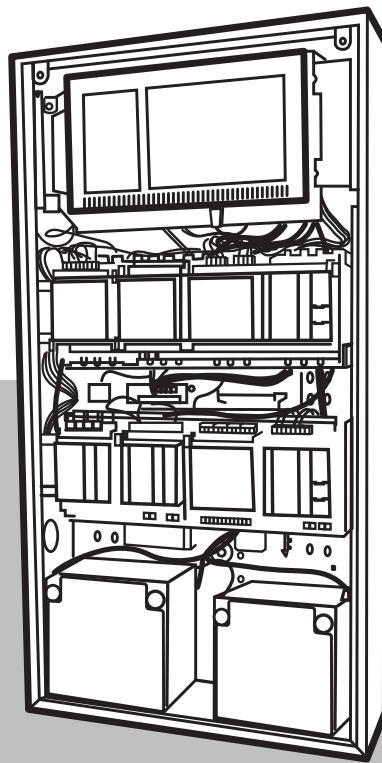


AVENAR panel series



hr

Upute za spajanje

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1 Obavijesti

1.1 Sadržaj

U ovom priručniku za spajanje električnih instalacija opisuje se princip spajanja perifernih uređaja na vatrodojavnu centralu. Nisu u obzir uzeti nacionalni i lokalni propisi. Nacionalnim i lokalnim propisima mogu biti određeni dodatni spojevi.

**Alarm obavijesti!**

Priključci navedeni u ovom dokumentu odnose se i na kontroler AVENAR panel 2000, pod uvjetom da je pojedinačne komponente odobrila tvrtka Bosch Sicherheitssysteme GmbH kao proširenja za kontroler AVENAR panel 2000.

**Alarm obavijesti!**

Priključci LSN 0300 A navedeni u ovom dokumentu odnose se i na modul LSN 1500 A. Za modul LSN 1500 A pri instalaciji u Njemačkoj, gdje je nužna sukladnost s normom VdS 2540, imajte na umu da AUX linija i LSN linija moraju biti u zasebnim kabelima.

1.2 Informacije o proizvodu

- U priloženom priručniku za instalaciju naći ćete upute za instaliranje pojedinačnih komponenti upravljačke ploče za dojavu požara.
- Više informacija (korisnički priručnici, upute za umrežavanje, priručnik za sustav) dostupno je na internetu na adresi: www.boschsecurity.com

1.3 Važne napomene

- Koristite isključivo materijale za instalaciju koje je preporučila tvrtka Bosch Security Systems.
- Preinake ili radove na postavljanju izvodite isključivo uz propisno uzemljenje pomoću zaštitne vodljive narukvice.
- Sastavljanje i postavljanje smije izvoditi samo stručno osoblje.
- Pridržavajte se lokalnih propisa i zakona o priključivanju.



Alarm opasnosti!

Dotirivanje komponenata pod naponom može imati smrtne posljedice.
Obavezno isključite napajanje prije izvođenja instalacije.

Oklopljeni kabel

Oklopljeni kabel nužan je za sve dvožilne spojeve s modulom CZM 0004 A te za povezivanje sljedećih proizvoda:

- FBF 100 LSN
- FMF-ADP, FMF-FAT, FMF-FBF-FAT, FMF-FIBS-A4, FMF-FIBS-A3

U sljedećem primjeru ožičenja prikazuje se kako postaviti oklopljeni kabel.

Alarm obavijesti!

Ako je potrebno spojiti oklopljeni kabel za kabel LSN-a, postupite u skladu sa specifikacijama LSN-a.

- Oklopljeni kabel LSN-a na strani centrale spojite na odgovarajući funkcionalni priključak uzemljenja:

dva spoja na početku i kraju petlje

jedan spoj na početku grane

- Provucite kroz oklopljeni kabel na svim perifernim uređajima LSN-a pomoću predviđenih priključaka

- Nije dopušteno nikakvo dodatno priključivanje oklopljenog kabela LSN-a na priključke uzemljenja na bilo kojoj lokaciji, kao ni na drugi električni potencijal



1.4 Napomene za korisnika

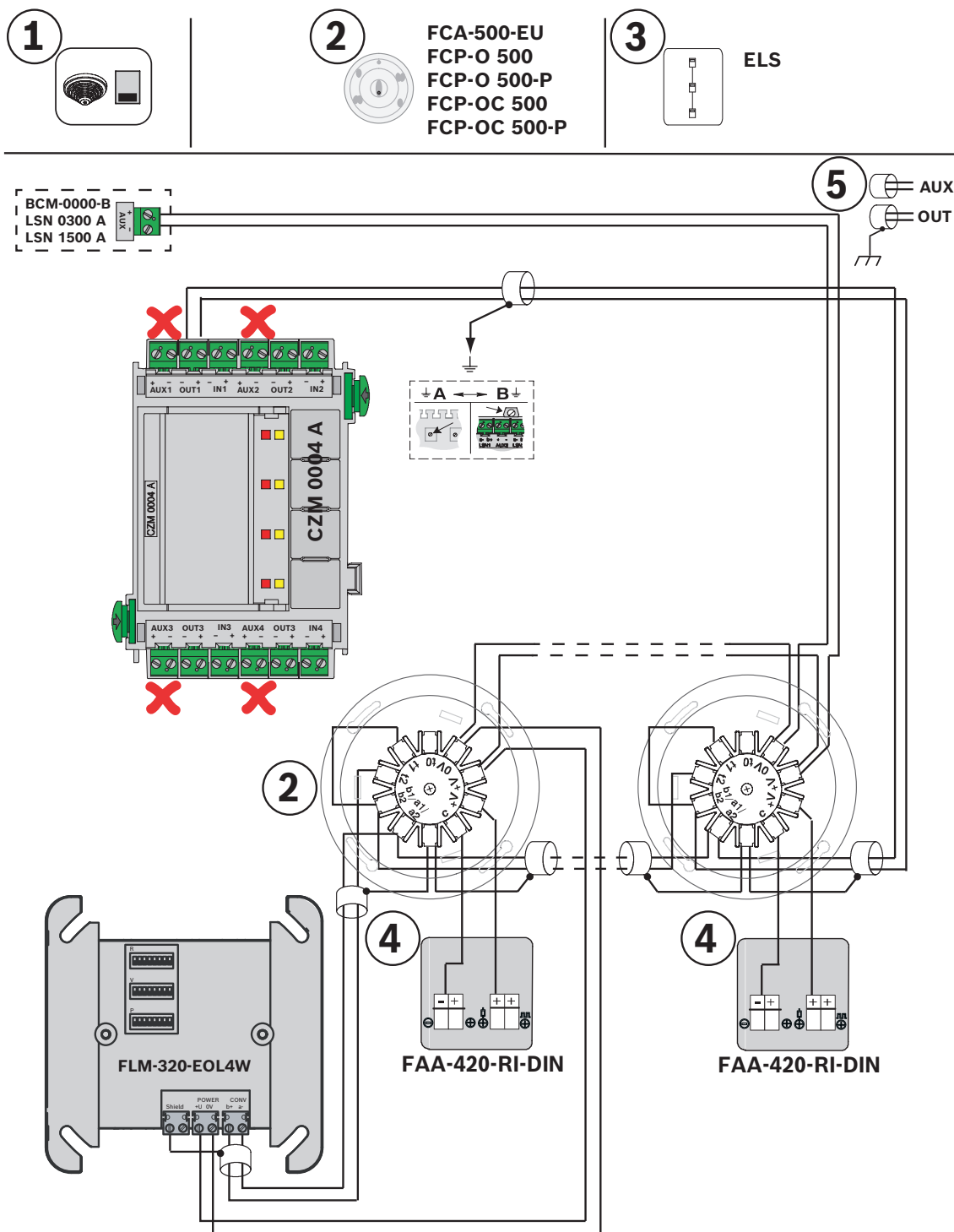
Upute za spajanje strukturirane su na sljedeći način:

- Poglavlje Ožičenje sortirano je prema uređajima na koje je periferni uređaj spojen. Spojna shema prikazuje izravne veze od jednog uređaja do drugog (nema kaskadnih veza).
- Pronađite sve spojne sheme s dodatnim modulima EOL za nadzor postupnog povećanja otpora voda u odjeljku EOL.

Da biste pronašli određenu spojnu shemu upotrijebite i sljedeće:













- sadržaj na početku poglavlja Ožičenje te na početku odjeljaka Moduli funkcija, Moduli sučelja i EOL.
- Index (jezično neutralan)
- i pretraživanje cijelog teksta.

Pogledajte sljedeći primjer spojne sheme:







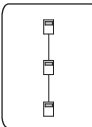
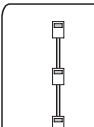
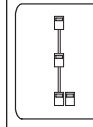
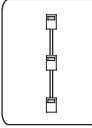
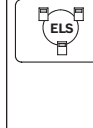








1	Simboli poglavlja (<i>Simboli poglavlja, stranica 7</i>)
2	Periferni uređaji koji se mogu spojiti
3	Simboli za spajanje (<i>Simboli za spajanje, stranica 7</i>)
4	Opcionalne komponente
5	Napajanje i ožičenje (<i>Napajanje i ožičenje, stranica 8</i>)

1.4.1 Simboli poglavlja



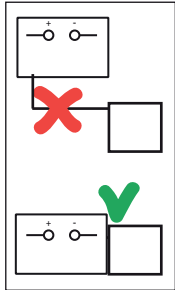
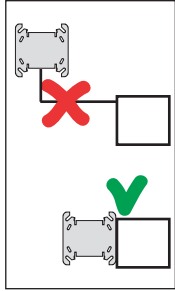

	Automatski detektori		Kontroleri za rukovanje sustavom i prikaz		Pisač
	Izvor napajanja		Funkcionalni moduli		Vatrogasna oprema
	Moduli sučelja		Sustavi za gašenje požara		Ručni javljači požara
	Signalni uređaji		Kontrole vrata		Uređaji za prijenos

1.4.2 Simboli za spajanje

	Obvezno ožičenje		Opcionalno ožičenje		Nije dopušteno
	Redundancija		Ožičenje petlje		Ožičenje petlje s redundantnim elementom
	Ožičenje mreže s jednim izlazom prema vanjskim mrežama		Ožičenje redundantne mreže s jednim izlazom prema vanjskim mrežama		Ožičenje mreže s jednim izlazom prema vanjskim mrežama s redundantnim elementom
	Ožičenje redundantne mreže s jednim izlazom prema vanjskim mrežama s redundantnim elementom	ELS	Ovo je ožičenje sukladno normi VdS 2489 / VdS 2540 / VdS 2541 / VdS 2543. ELS pokrata je za Extended Line Supervision, što označava nadzor postupnog kratkog spoja i postupnog povećanja otpora voda. Ovo ožičenje pruža funkciju ELS. Postupni kratki spoj otkrivaju sljedeći moduli: LSN 0300 A, LSN 1500 A i BCM-0000-B ako se koristi FPP-5000-TI13.		Ovo ožičenje petlje sukladno je standardu VdS 2489 / VdS 2540 / VdS 2541 / VdS 2543. Ono pruža funkciju ELS. Dodatni moduli EOL nisu nužni.
	Sinkronizacija		Potencijalno eksplozivna područja		Vatrodajavna centrala
	Samostalna vatrodajavna centrala		Samostalna vatrodajavna centrala s redundancijom		Za postolja detektora: spojna je shema valjana samo za postolja u kojima je instaliran detektor.

EN 54-2, DIBT itd.	U slučaju kada je nužno slaganje s ovim standardom, upotrijebite navedenu spojnu shemu.				
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1.4.3 Napajanje i ožičenje

	Potreban je dvožilni kabel.
	Potreban je oklopljeni 2-žilni kabel.
	Kućište proizvoda koje sadrži napajanje mora se postaviti u ravnini s elementom.
	Modul sučelja potrebno je ugraditi u ravnini.
 Reset action	Pogledajte ožičenje u ovom priručniku. Da bi se uređaj mogao automatski resetirati, morate implementirati radnju resetiranja.

1.5 Vrijednosti otpora

Sljedeća tablica sadrži prikaz kodiranja otpornika u boji. Otpornici obloženi metalom koji su isporučeni s proizvodom imaju 5 traka u boji koje označavaju vrijednost otpora.

Boja	1. traka	2. traka	3. traka	4. traka (multiplikator)	5. traka (tolerancija)
Srebrna				10^{-2}	$\pm 10\%$
Zlatna				10^{-1}	$\pm 5\%$
Crna		0	0	10^0	
Smeđa	1	1	1	10^1	$\pm 1\%$
Crvena	2	2	2	10^2	$\pm 2\%$
Narančasta	3	3	3	10^3	$\pm 0.05\%$
Žuta	4	4	4	10^4	$\pm 0.02\%$

Boja	1. traka	2. traka	3. traka	4. traka (multiplikator)	5. traka (tolerancija)
Zelena	5	5	5	10 ⁵	±0.5%
Plava	6	6	6	10 ⁶	±0.25%
Ljubičasta	7	7	7	10 ⁷	±0.1%
Siva	8	8	8	10 ⁸	±0.01%
Bijela	9	9	9	10 ⁹	

U skladu sa standardom DIN EN 60062:2017

Narančasta – bijela – crna – smeđa – smeđa: otpornik od 3,9 kilooma s 1 % tolerancije,

Crvena – crvena – crna – smeđa – smeđa: otpornik od 2,2 kilooma s 1 % tolerancije.

2 Wiring



FPP-5000 Power supply, stranica 11

FPP-3000 Power supply (ZSP135-DR-5A-3/ZSP135-OUT6), stranica 13

DIBT, stranica 15

Functional Modules, stranica 42

BCM-000-B, stranica 43

CZM 0004 A, stranica 45

ENO 0000 A/B, stranica 61

LSN 0300 A, stranica 68

NZM 0002 A, stranica 106

RMH 0002 A, stranica 119

IOS 0020 A, stranica 120

FPE-5000-UGM, stranica 122

Interface Modules, stranica 124

FLM-420-4/CON-D/S, stranica 125

FLM-420-I8R1-S, stranica 158

FLM-420-NAC-D/S, stranica 160

FLM-420-RHV, stranica 172

FLM-420-RLE-S, stranica 184

FLM-420-RLV1-E, stranica 185

FLM-420-RLV8-S, stranica 186

FMF-ADP-FBF/FMF-ADP-TTY, stranica 187

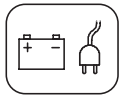
EOL, stranica 188

CZM 0004 A, stranica 189

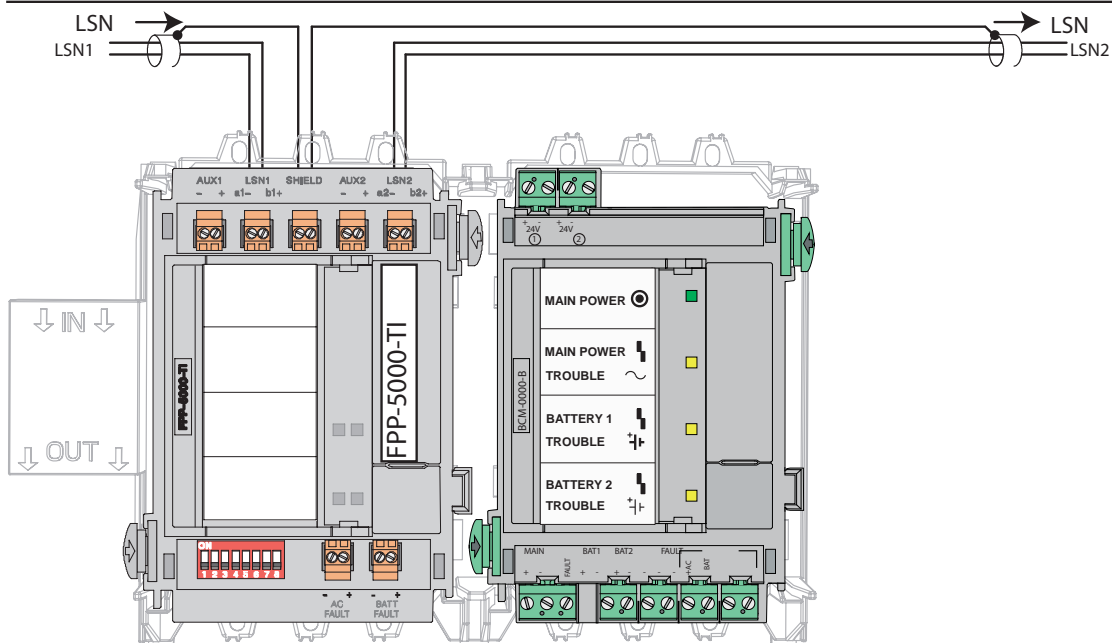
LSN 0300 A, stranica 201

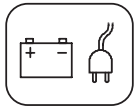
FLM-420/4-CON-S/D, stranica 246

2.1 FPP-5000 Power supply



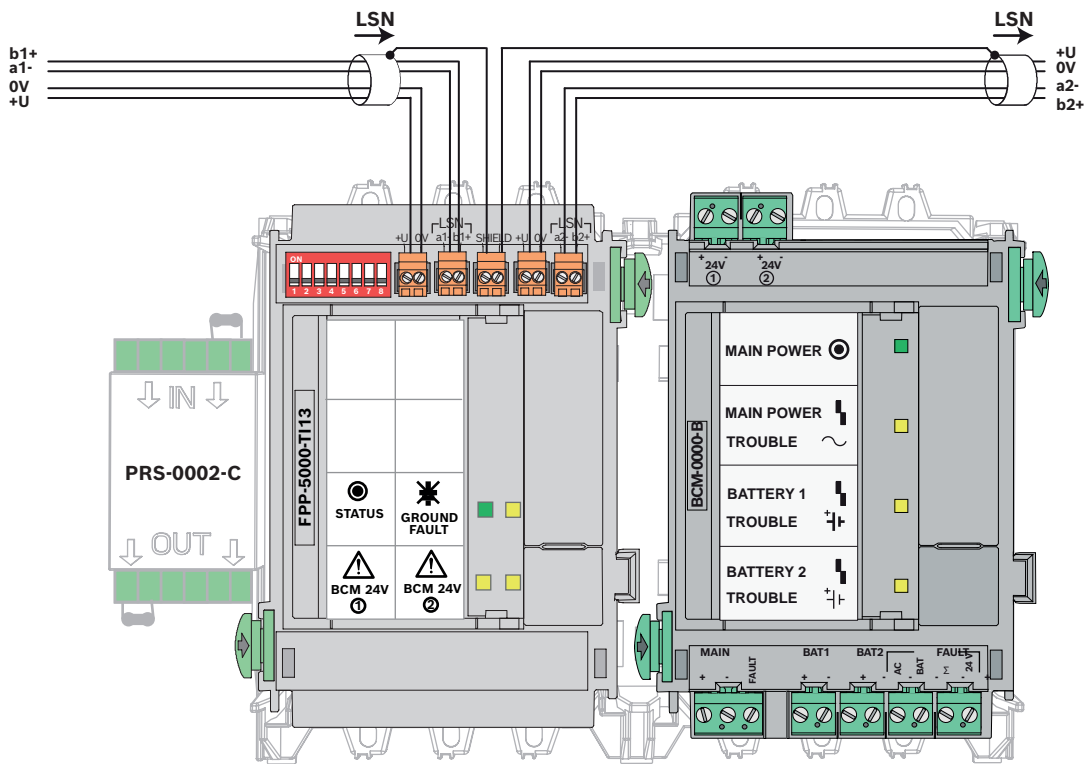
FPP-5000-TI



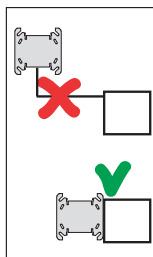
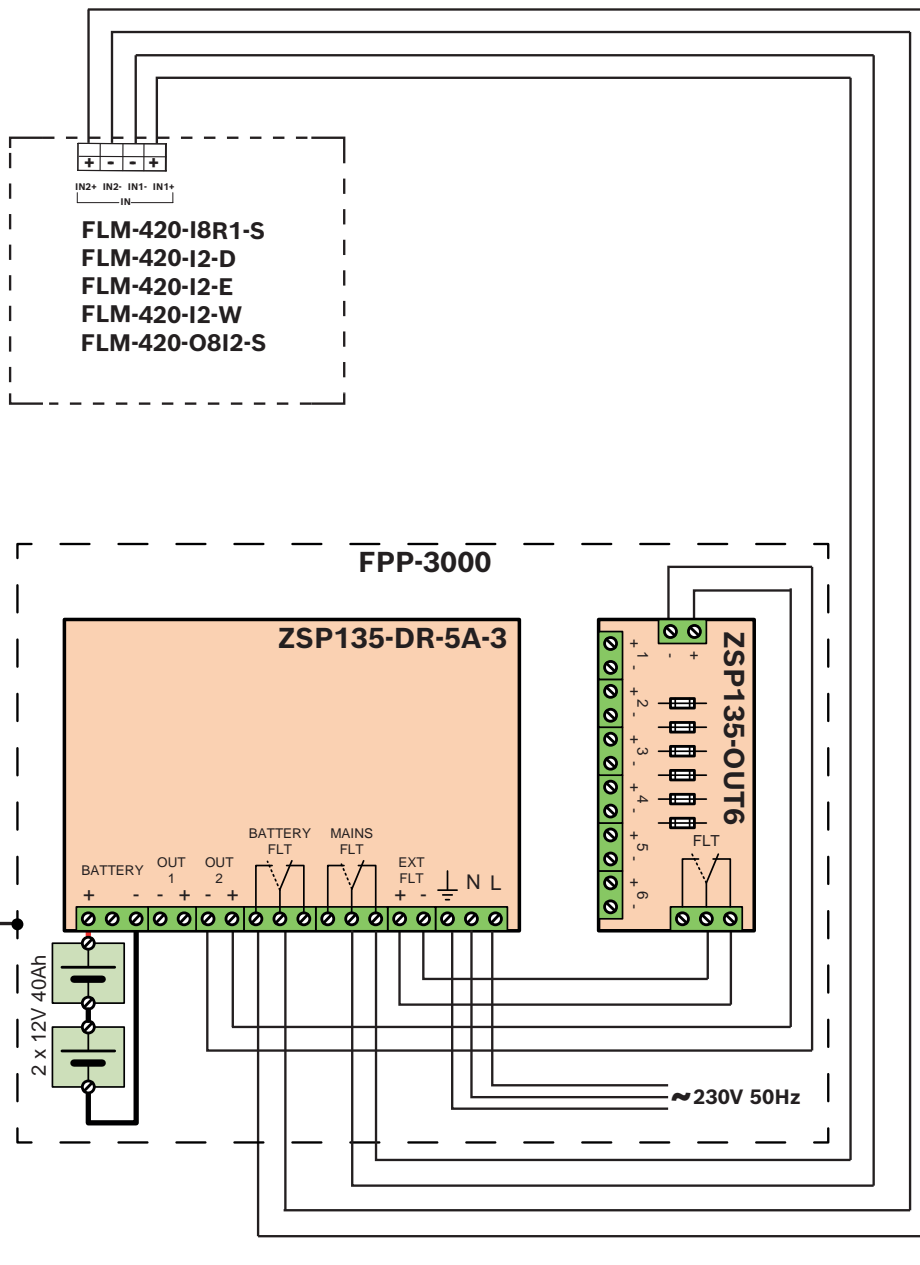
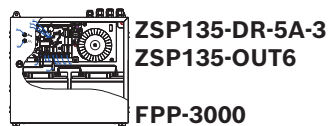
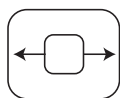


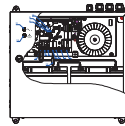
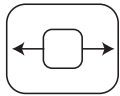
FPP-5000-TI13

ELS

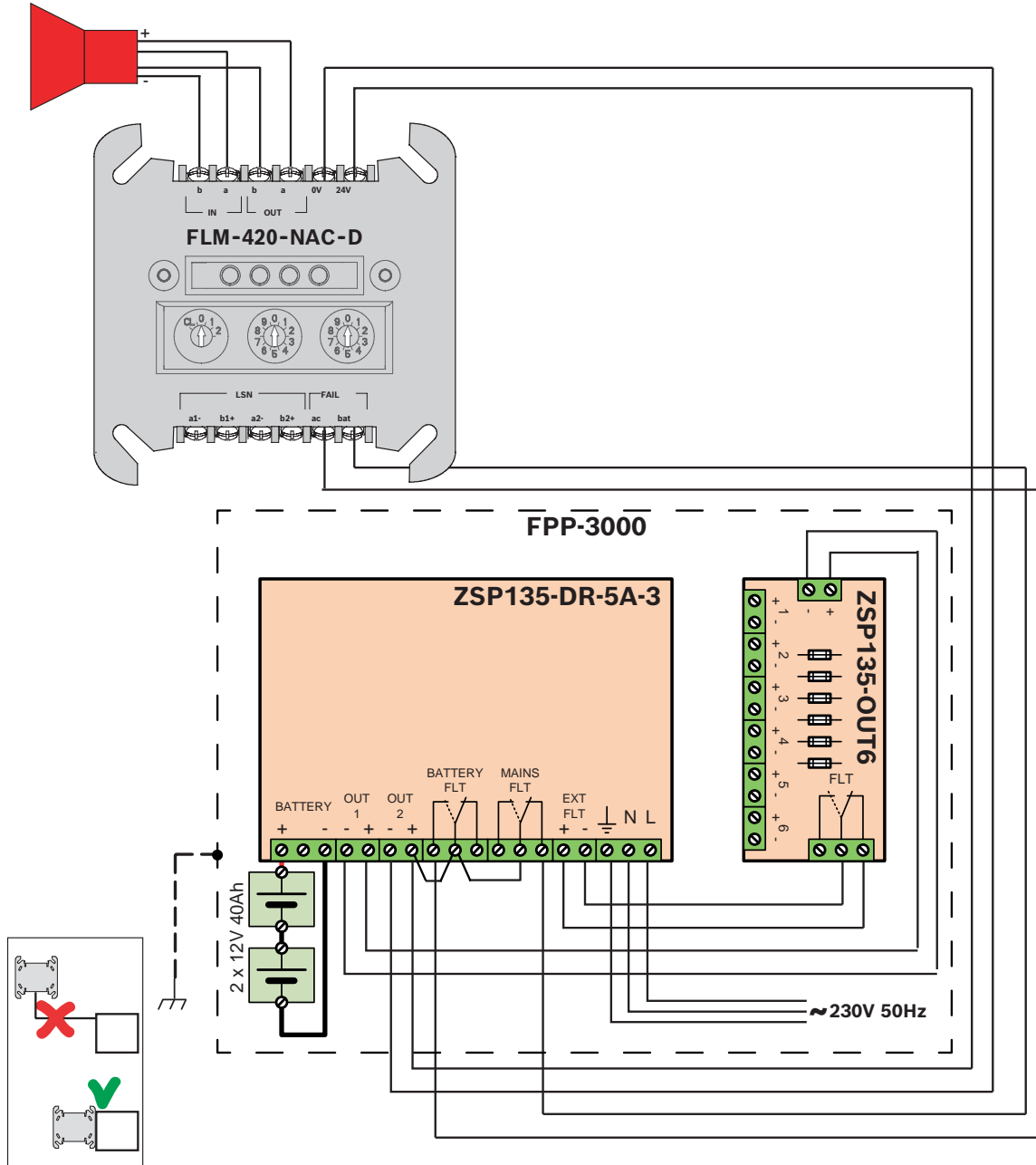


2.2 FPP-3000 Power supply (ZSP135-DR-5A-3/ZSP135-OUT6)





ZSP135-DR-5A-3
ZSP135-OUT6
FPP-3000

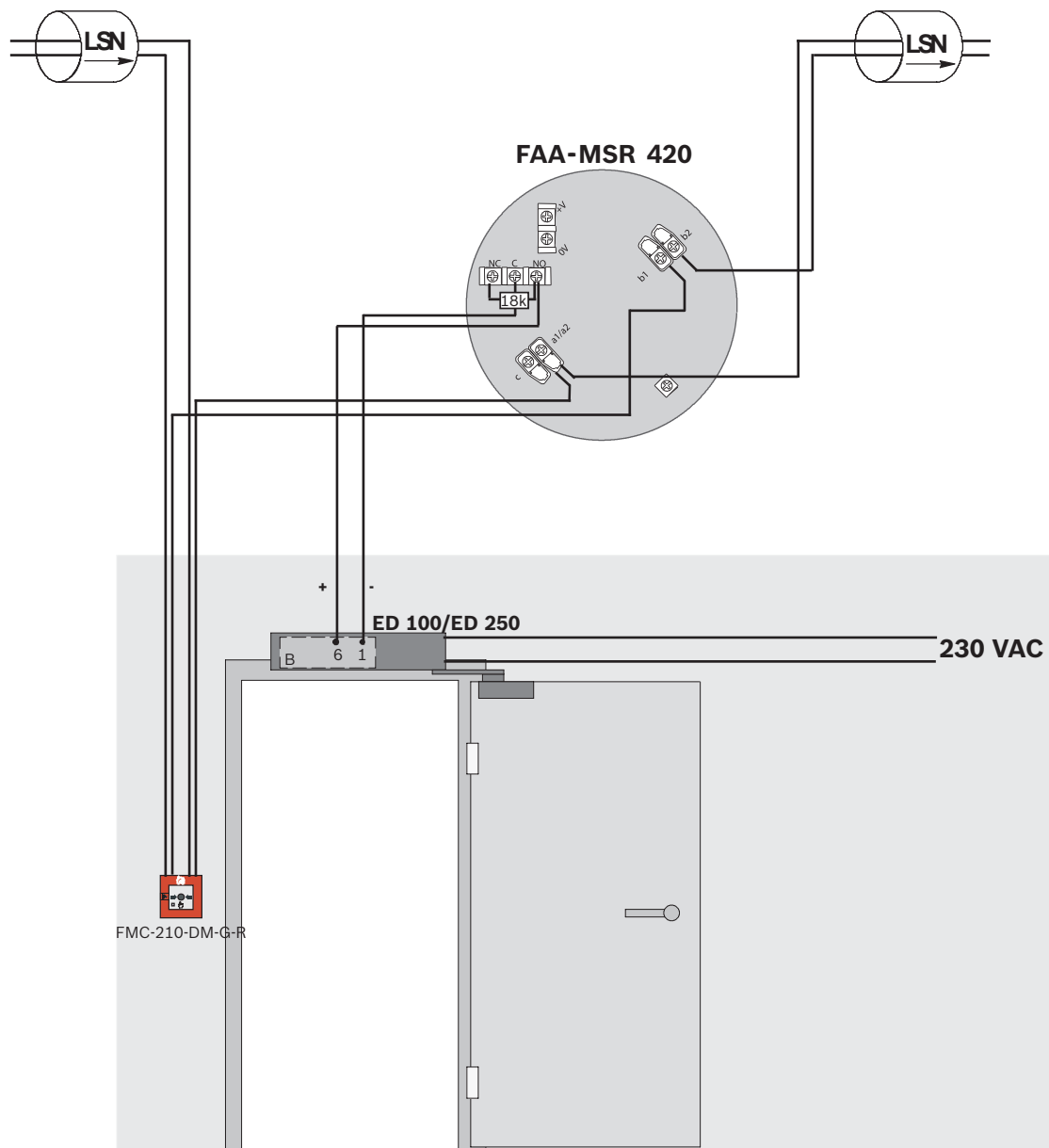


2.3 DIBT



**ED 100
ED 250
(+Upgrade Card B)**

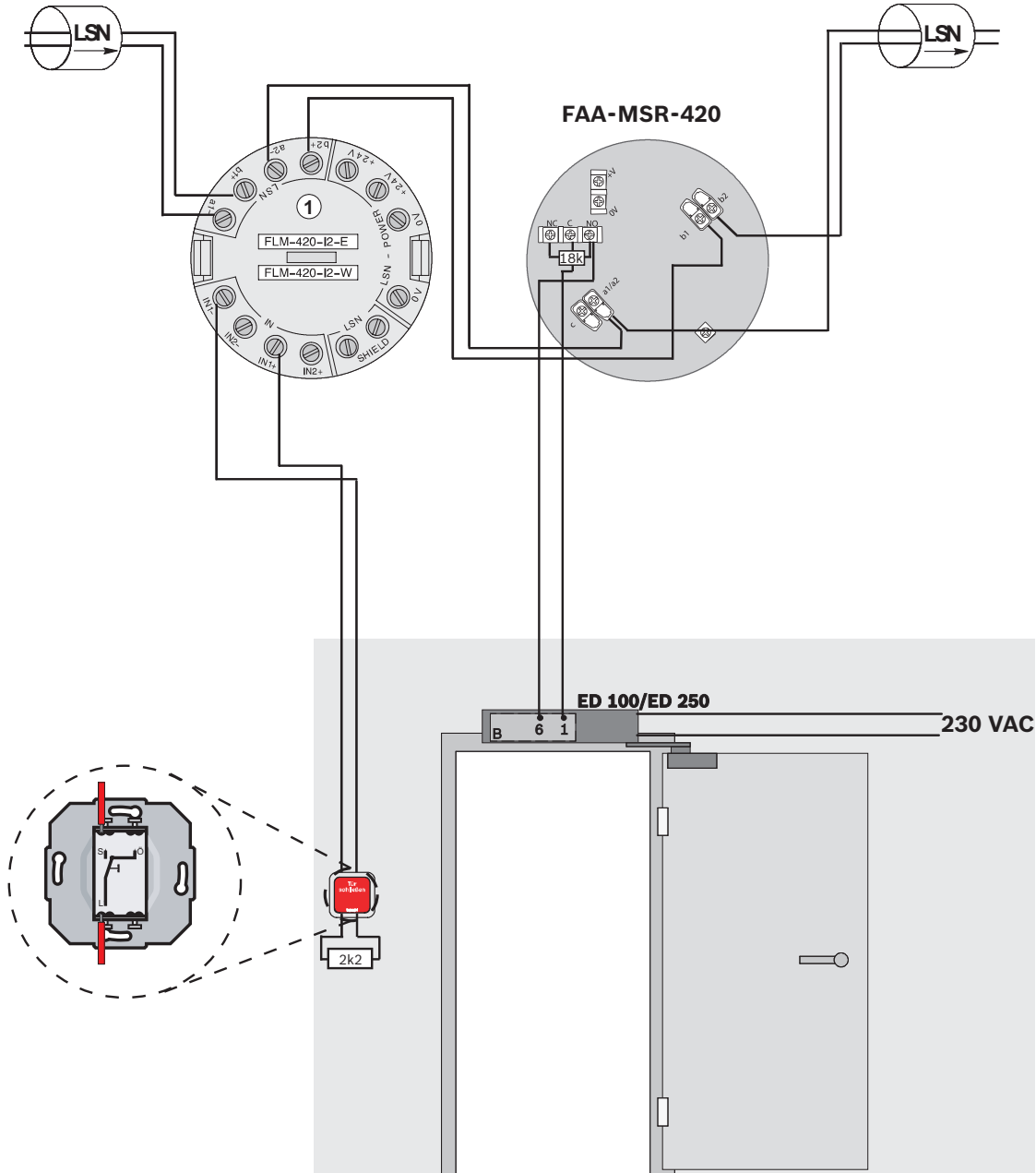
DIBT

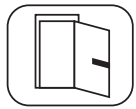




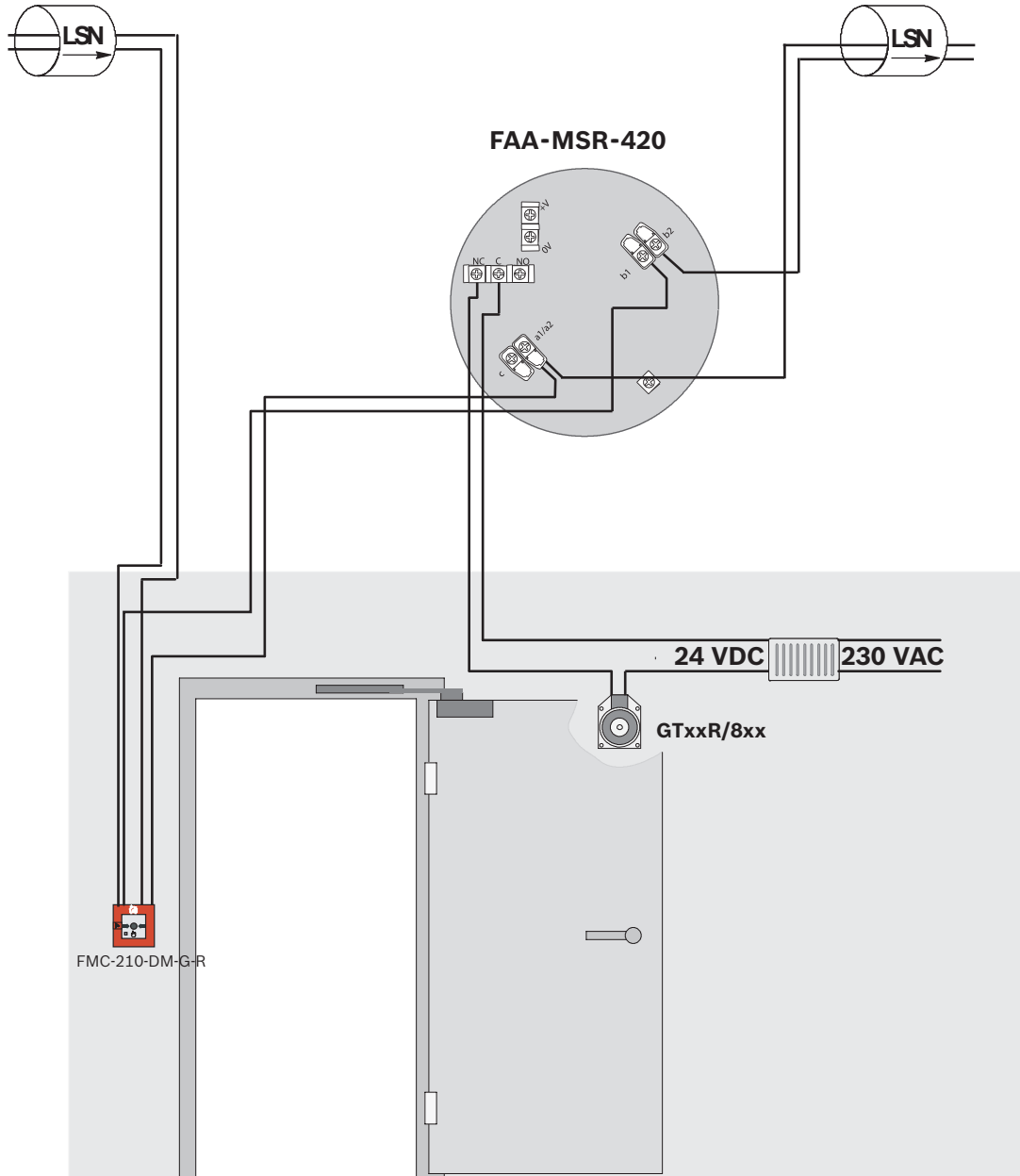
ED 100
ED 250
(+Upgrade Card B)

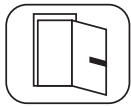
DIBT



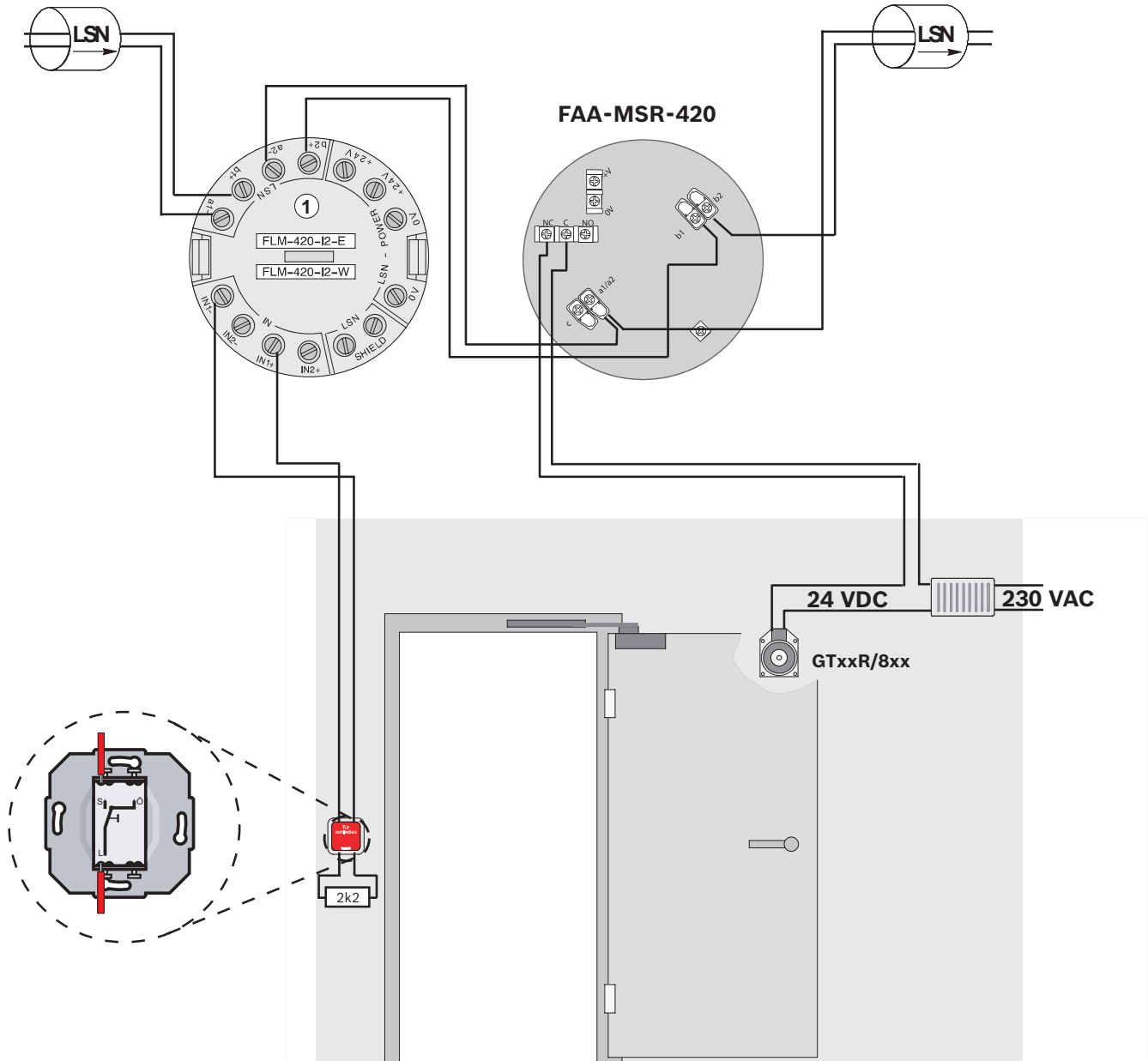


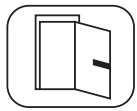
DIBT





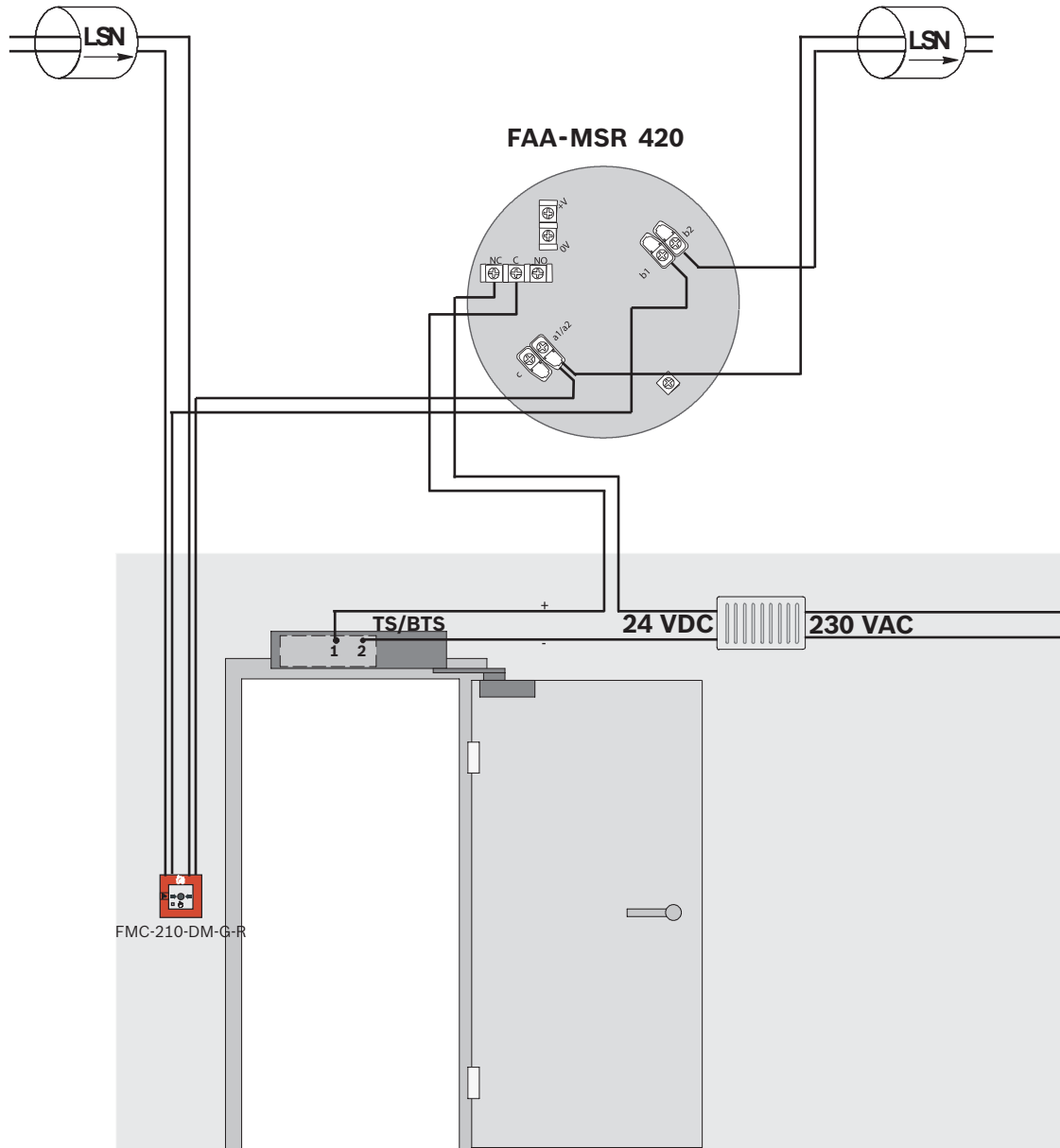
DIBT

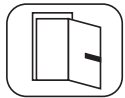




TS 73 EMF
 TS 93 EMF
 TS 93 GSR
 BTS 80 EMB
 BTS 80 FLB

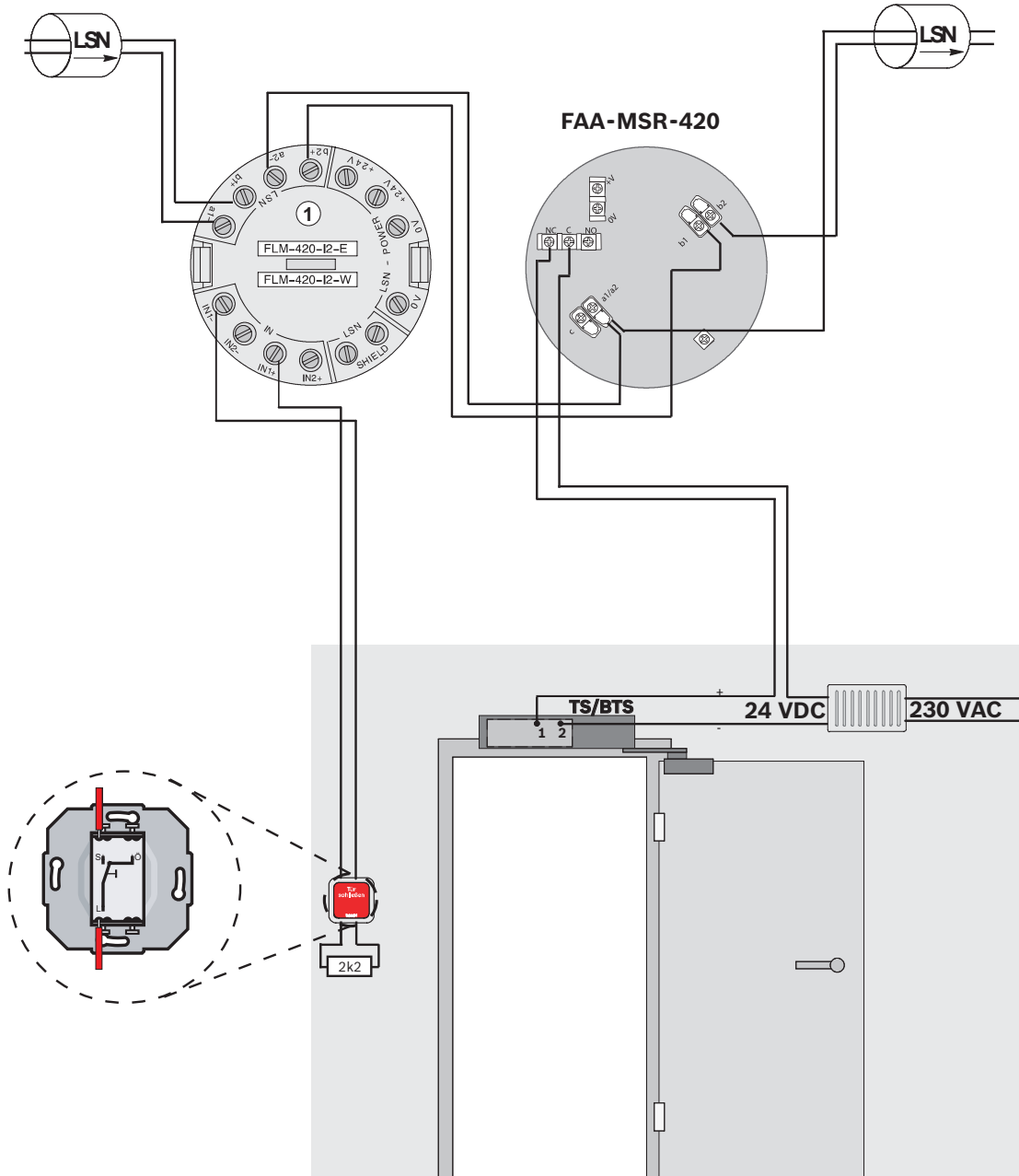
DIBT

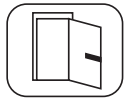




TS 73 EMF
 TS 93 EMF
 TS 93 GSR
 BTS 80 EMB
 BTS 80 FLB

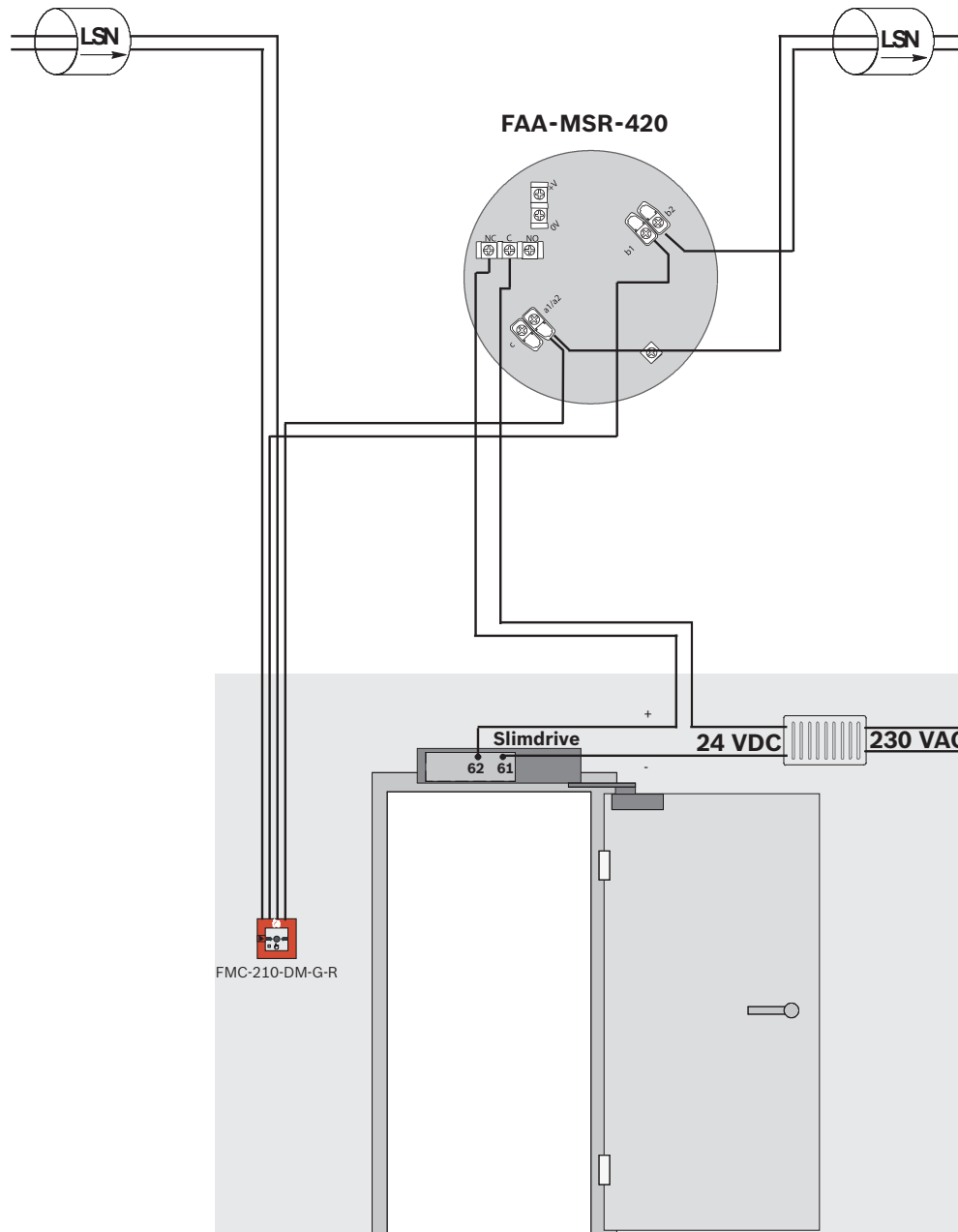
DIBT

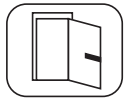




Slimdrive EMD-F/EMD F-IS

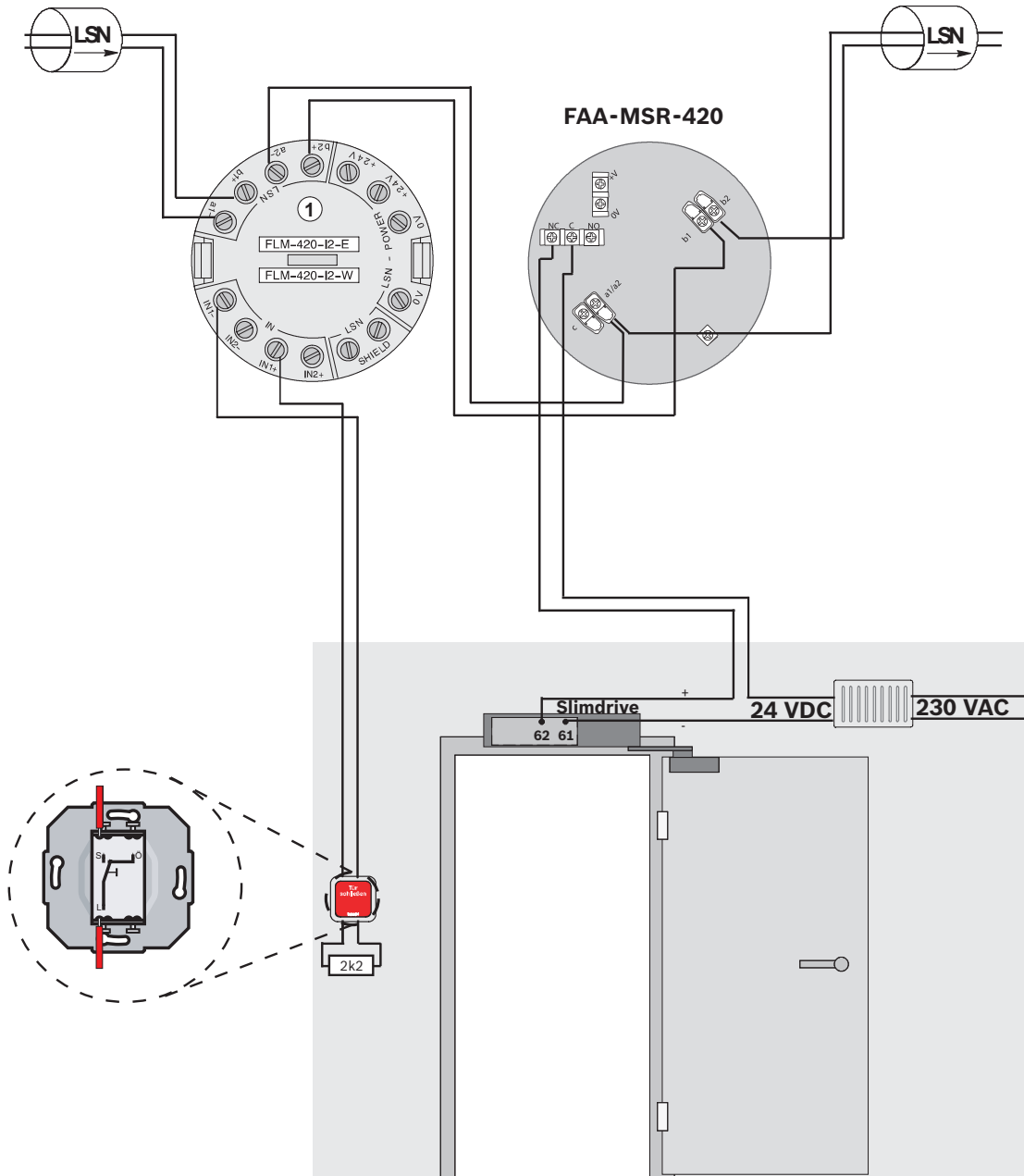
DIBT

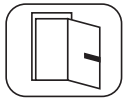




Slimdrive EMD-F/EMD F-IS

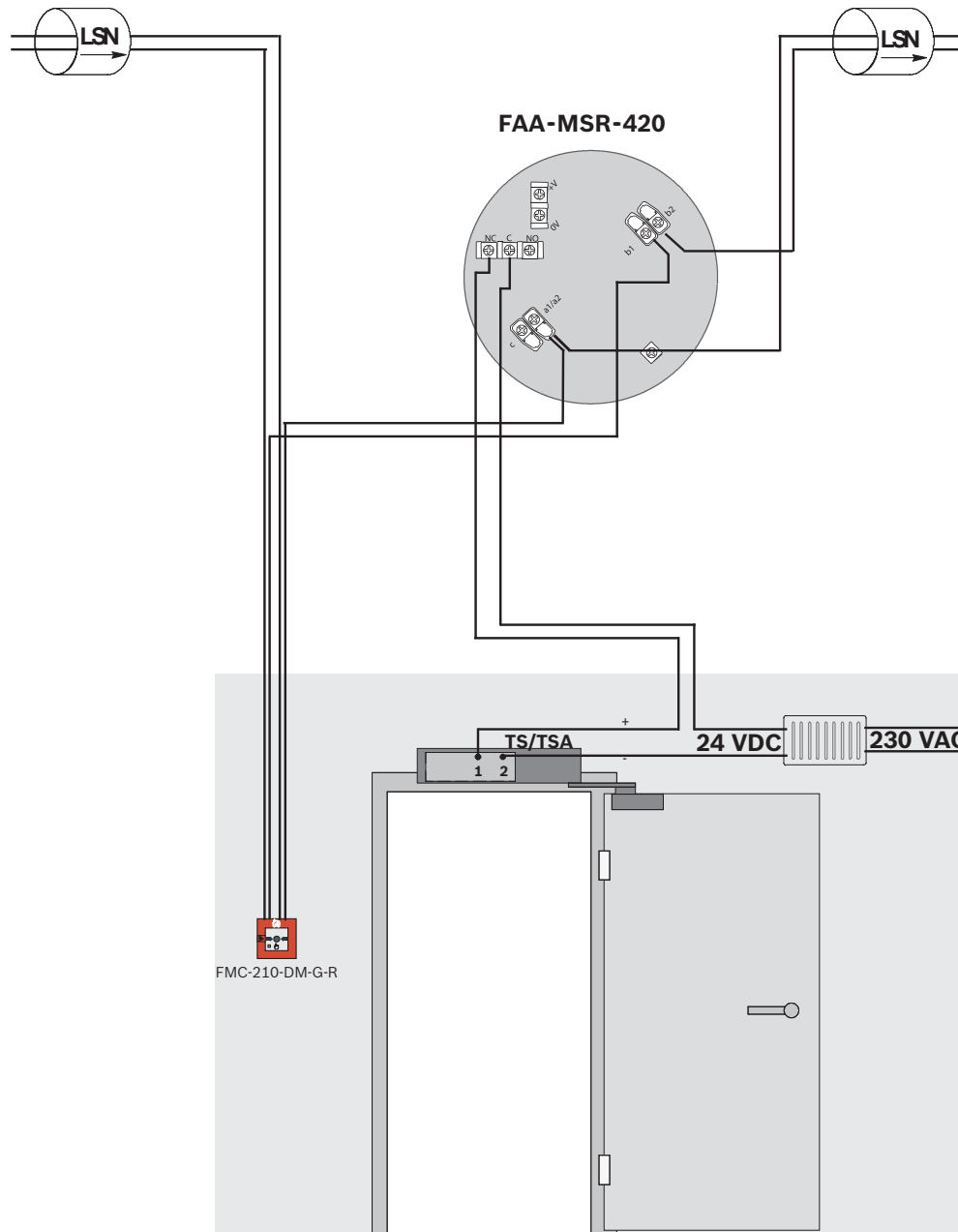
DIBT

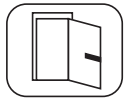




TS 4000 E/E-IS/EFS
 TS 5000 E/E-IS/E-ISM
 TS 550 E
 TSA 160 NT F/F-IS/F-IS/TS

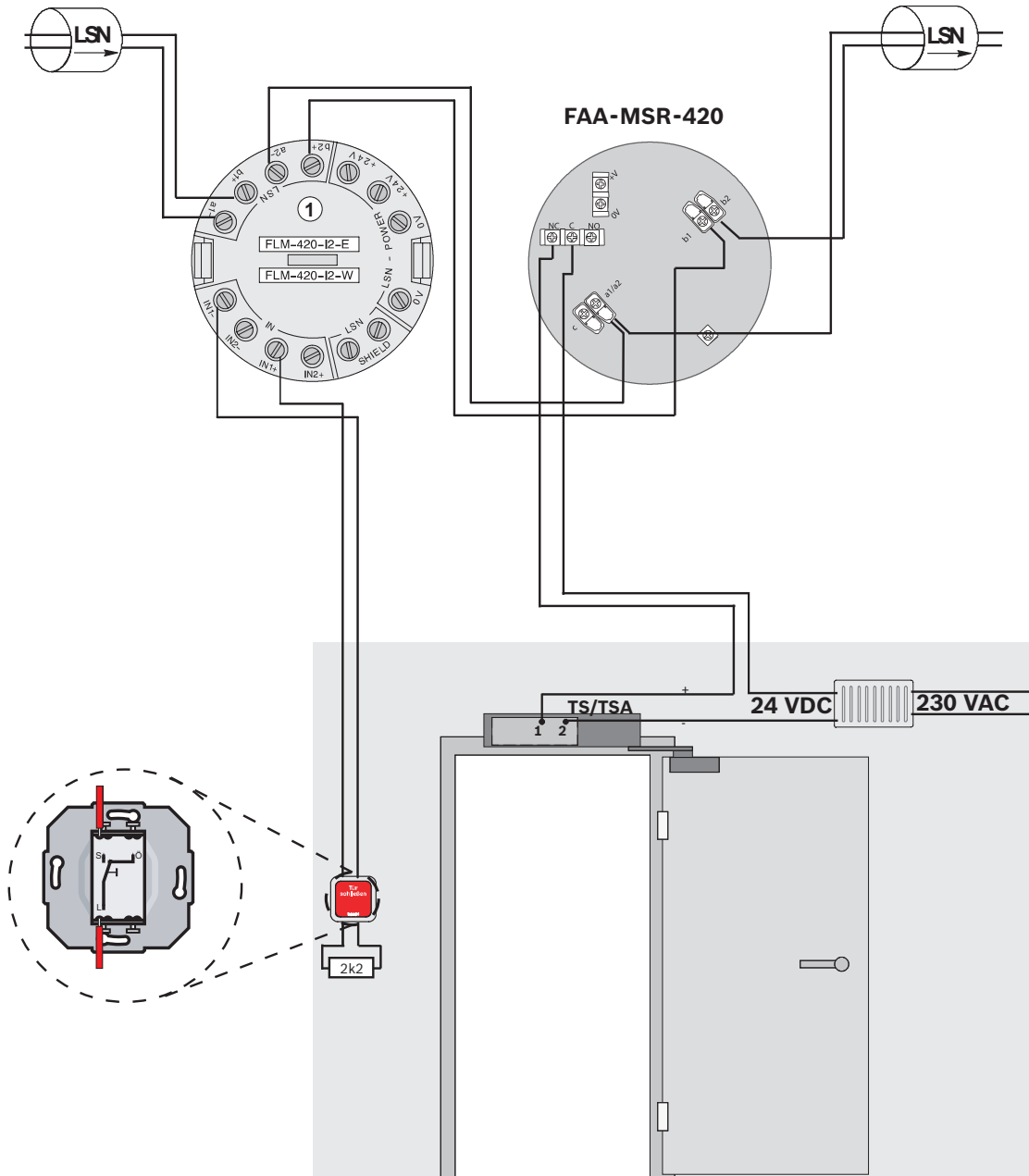
DIBT

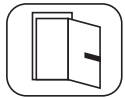




TS 4000 E/E-IS/EFS
 TS 5000 E/E-IS/E-ISM
 TS 550 E
 TSA 160 NT F/F-IS/F-IS/TS

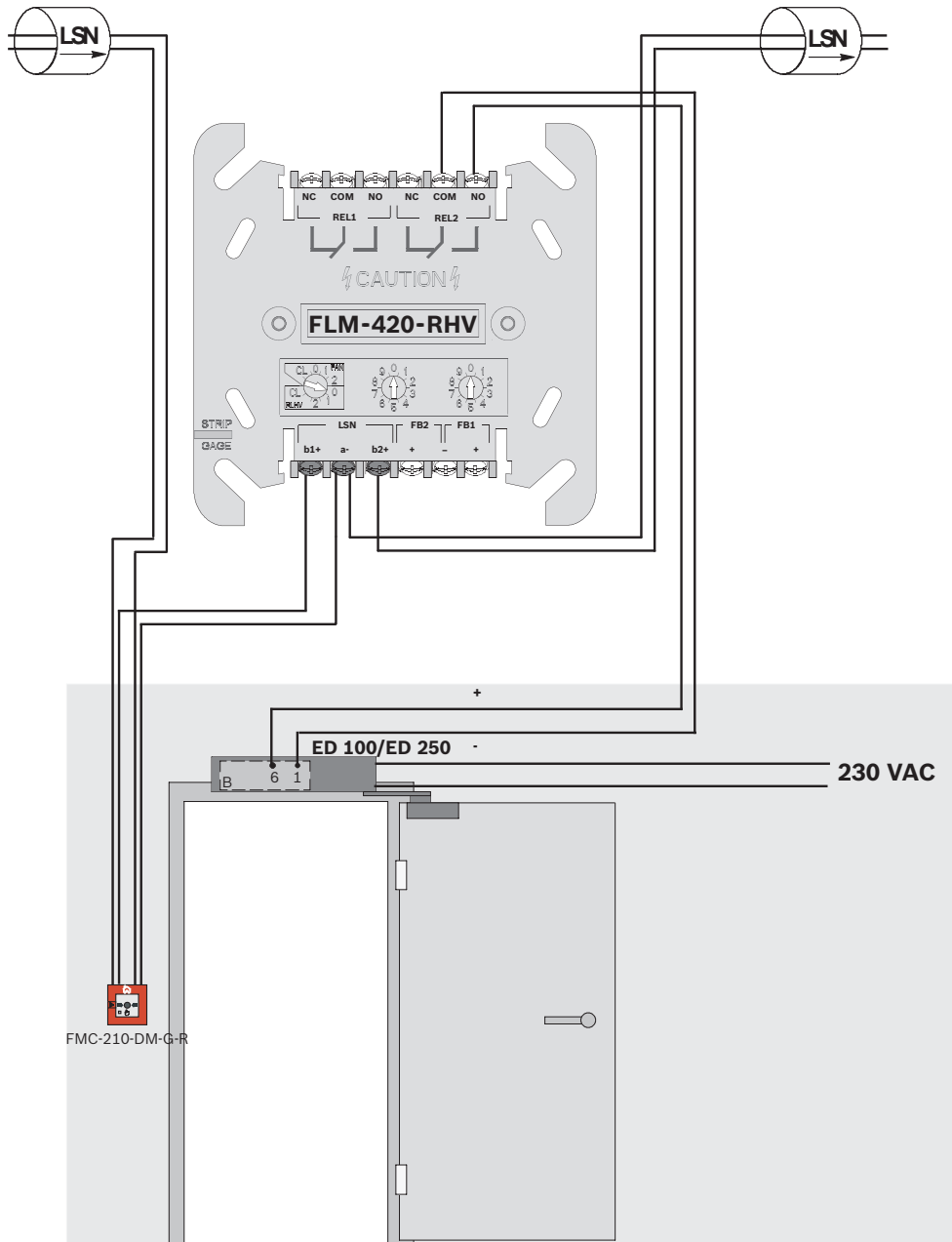
DIBT

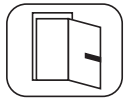




**ED 100
ED 250
(+Upgrade Card B**

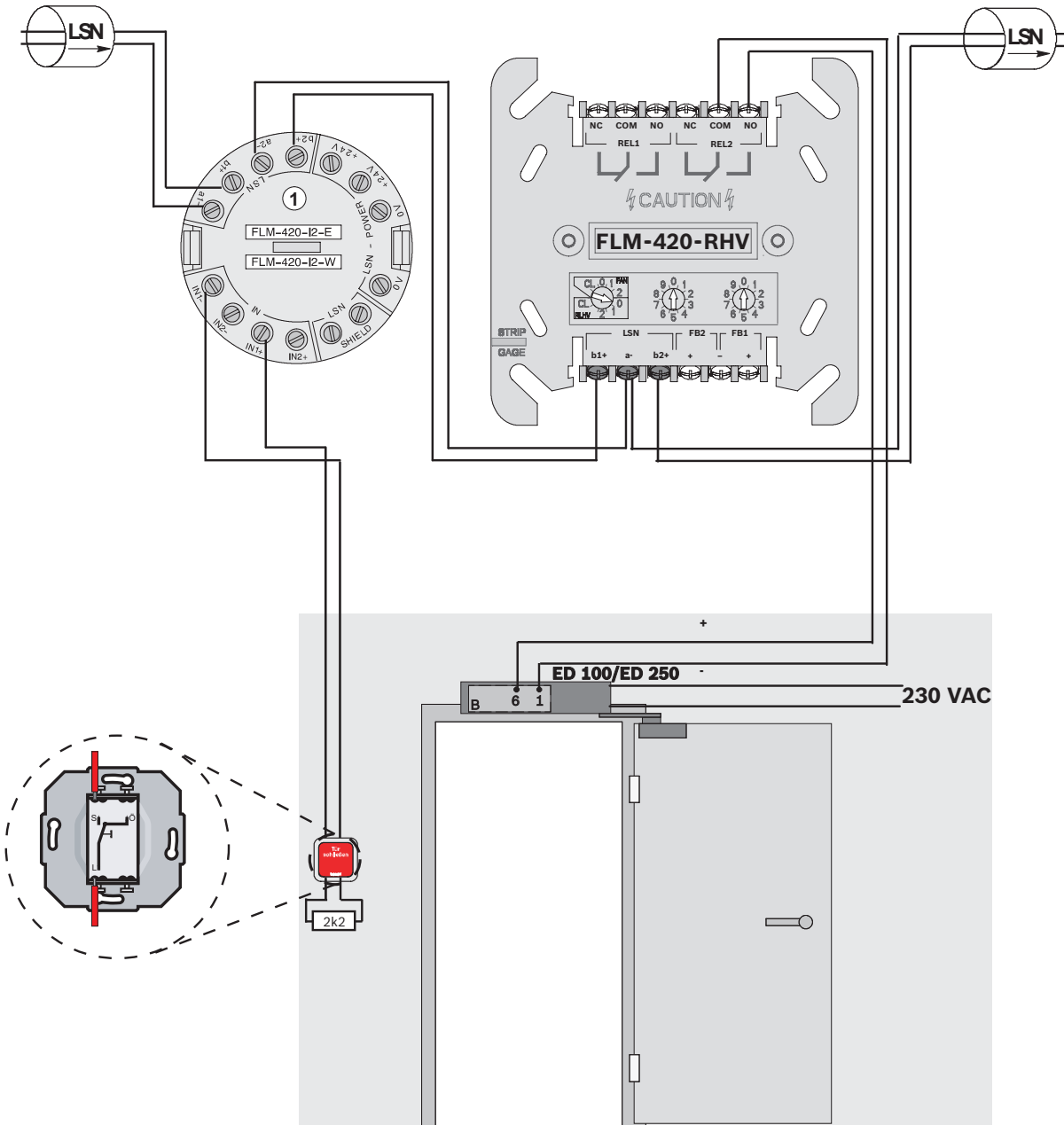
DIBT

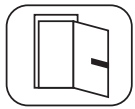




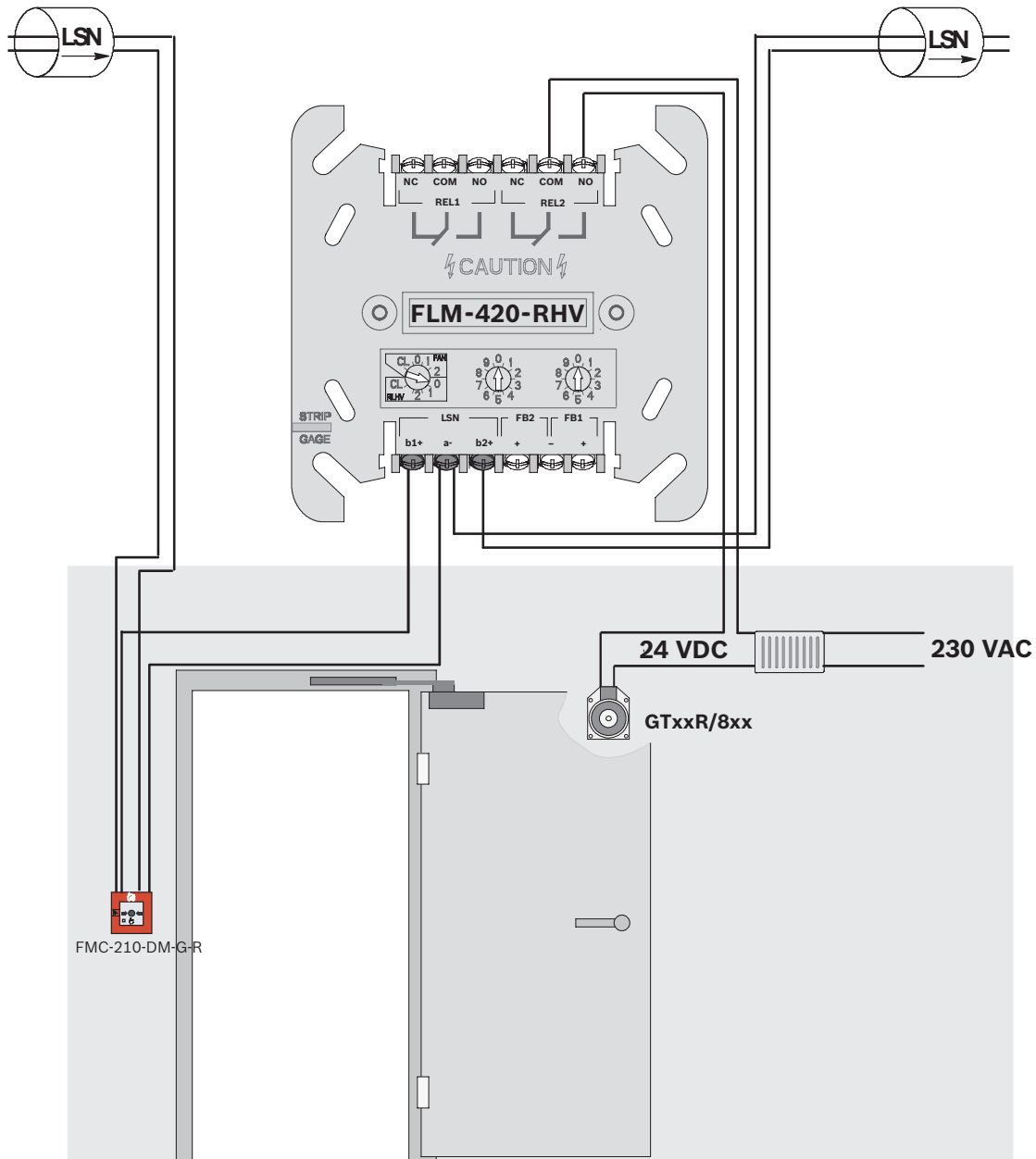
**ED 100
ED 250
(+Upgrade Card B)**

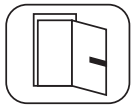
DIBT



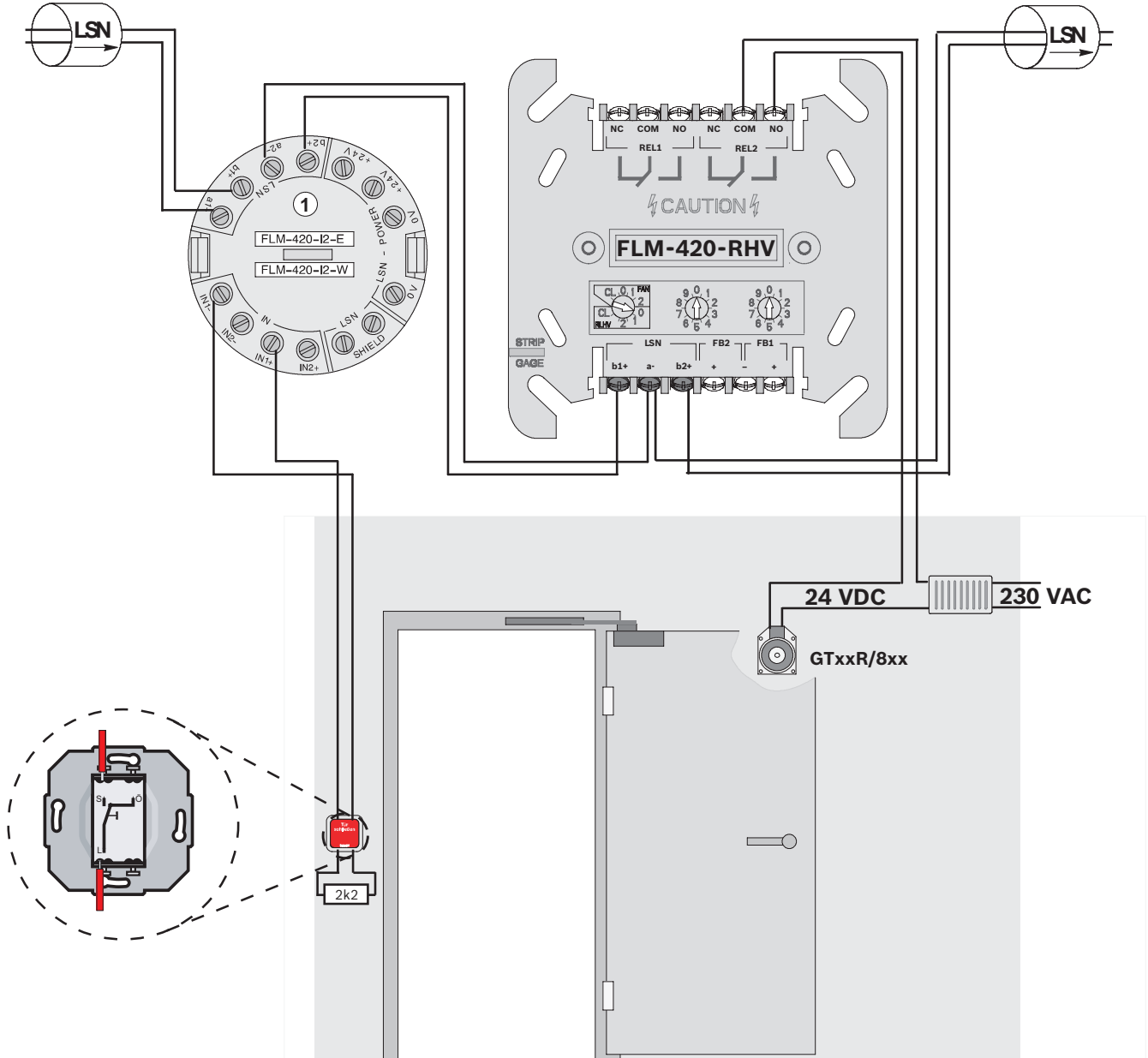


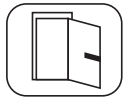
DIBT





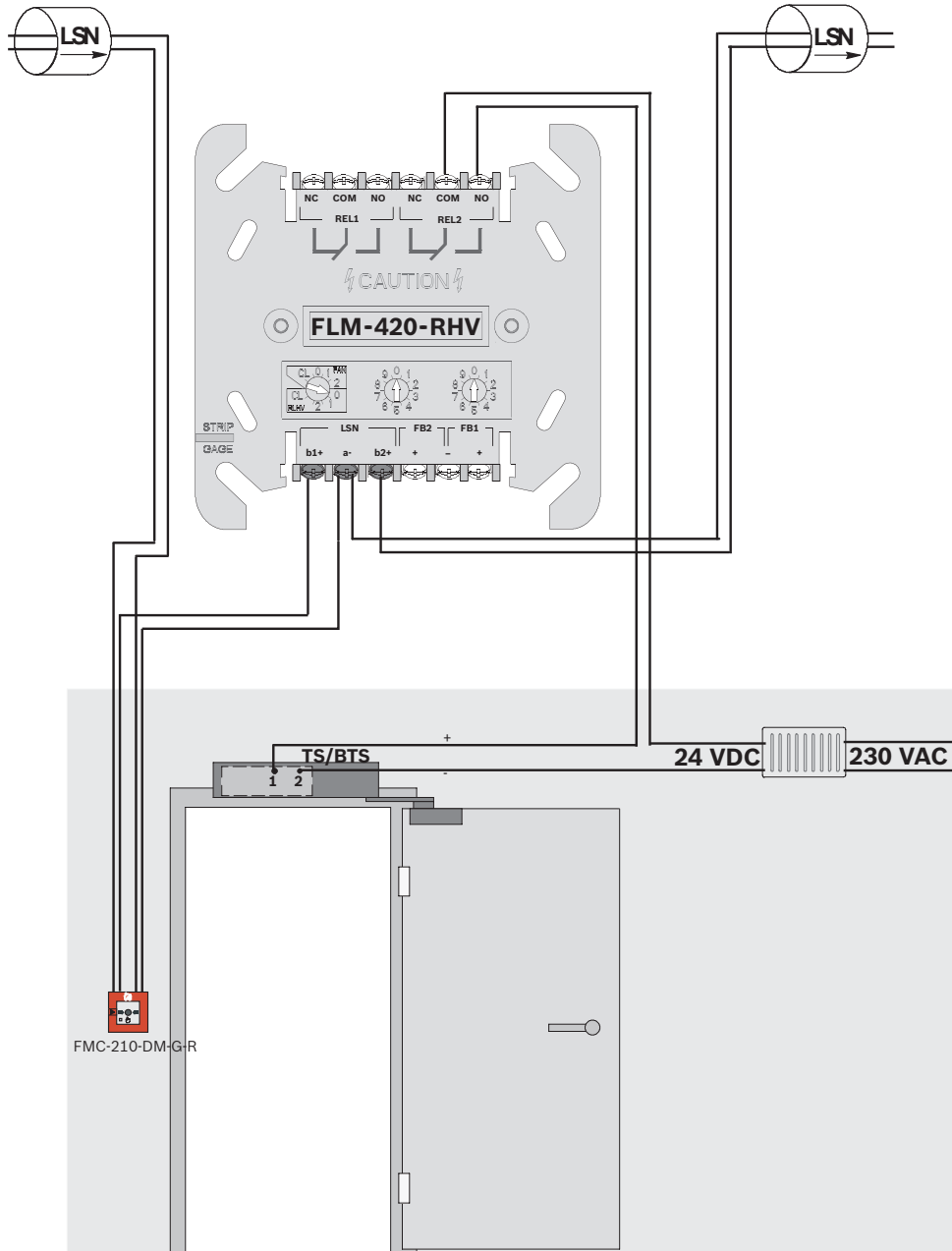
DIBT

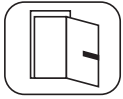




TS 73 EMF
 TS 93 EMF
 TS 93 GSR
 BTS 80 EMB
 BTS 80 FLB

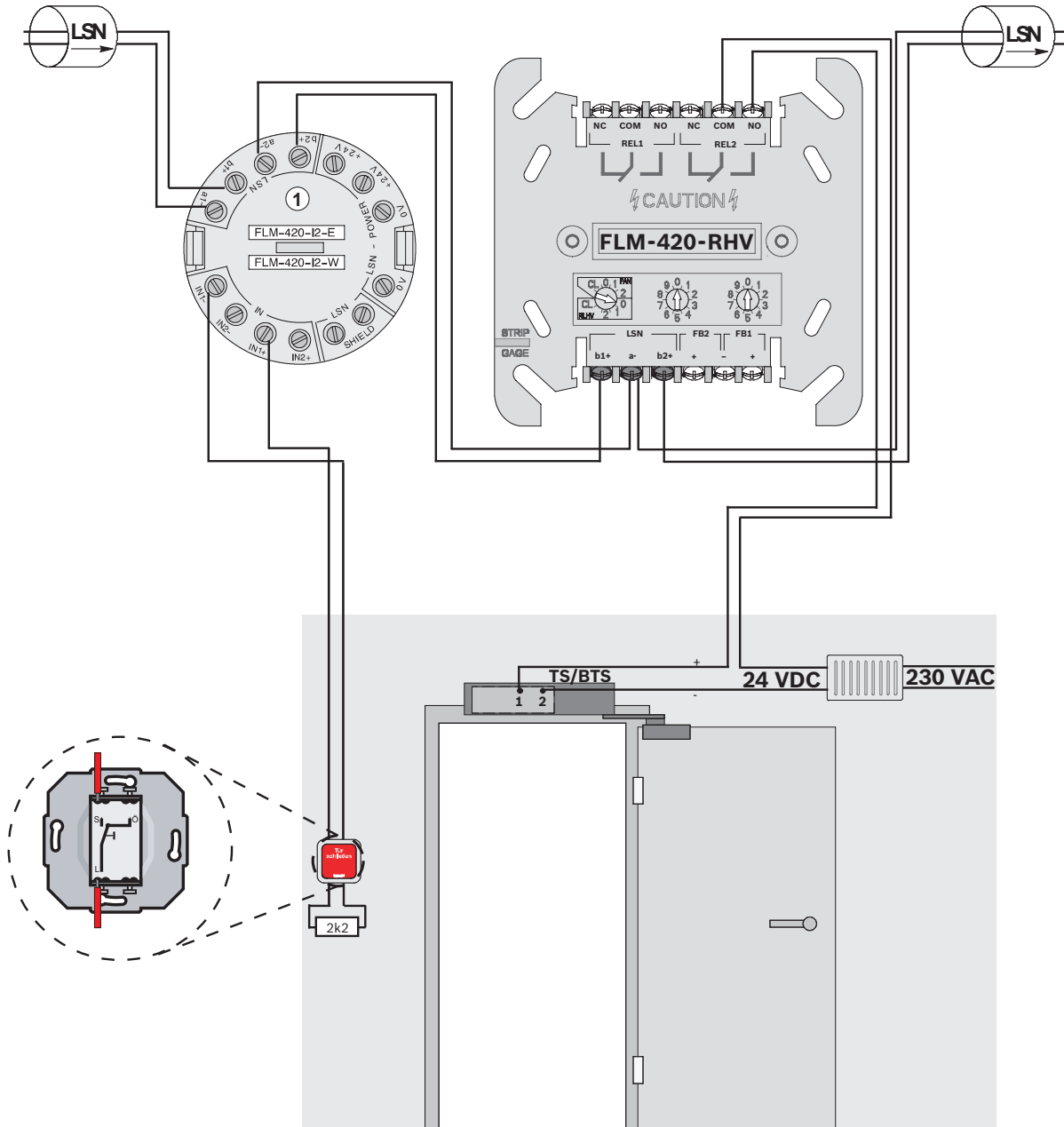
DIBT





TS 73 EMF
 TS 93 EMF
 TS 93 GSR
 BTS 80 EMB
 BTS 80 FLB

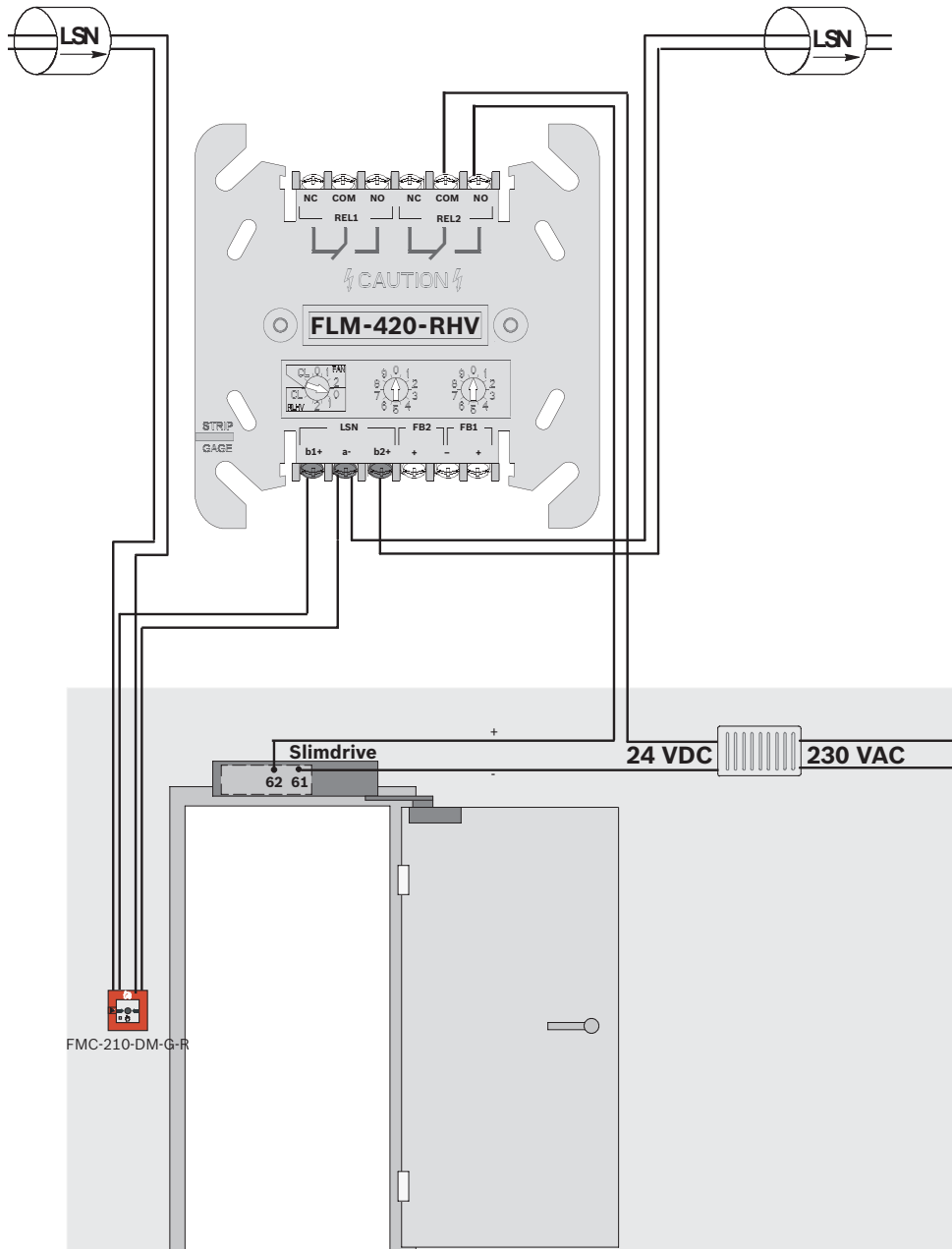
DIBT





Slimdrive EMD-F/EMD F-IS

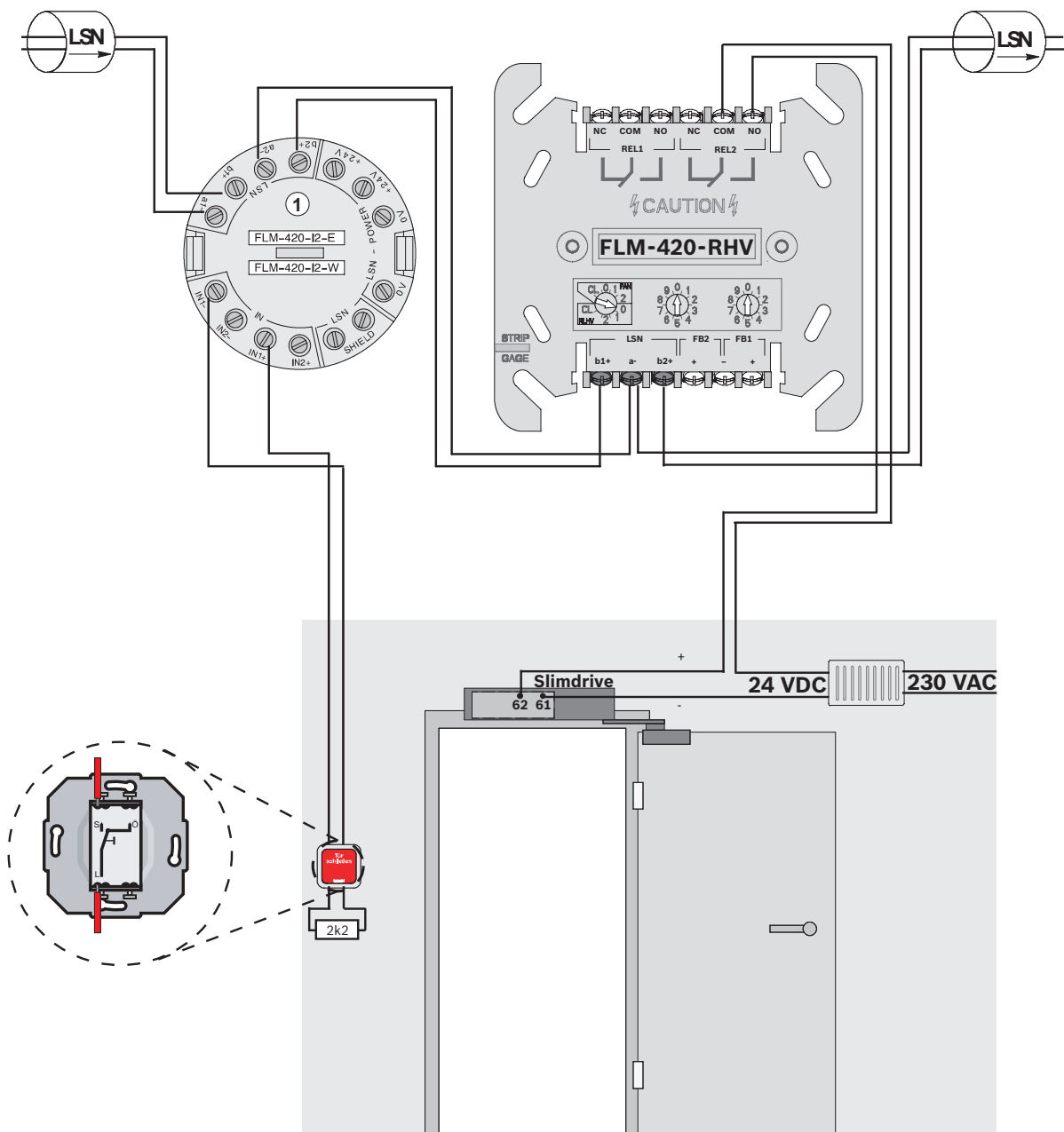
DIBT





Slimdrive EMD-F/EMD F-IS

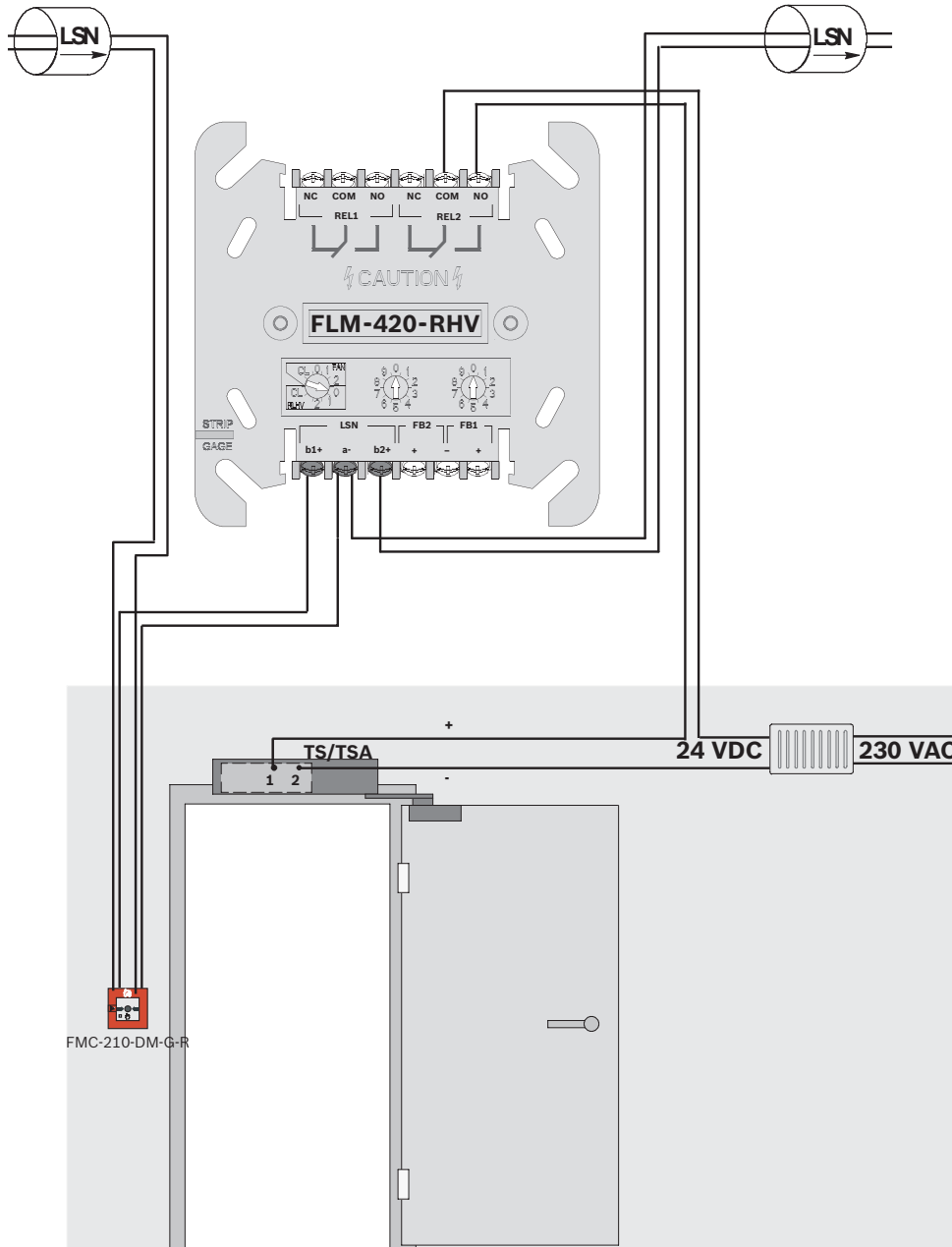
DIBT

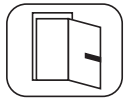




TS 4000 E/E-IS/EFS
 TS 5000 E/E-IS/E-ISM
 TS 550 E
 TSA 160 NT F/F-IS/F-IS/TS

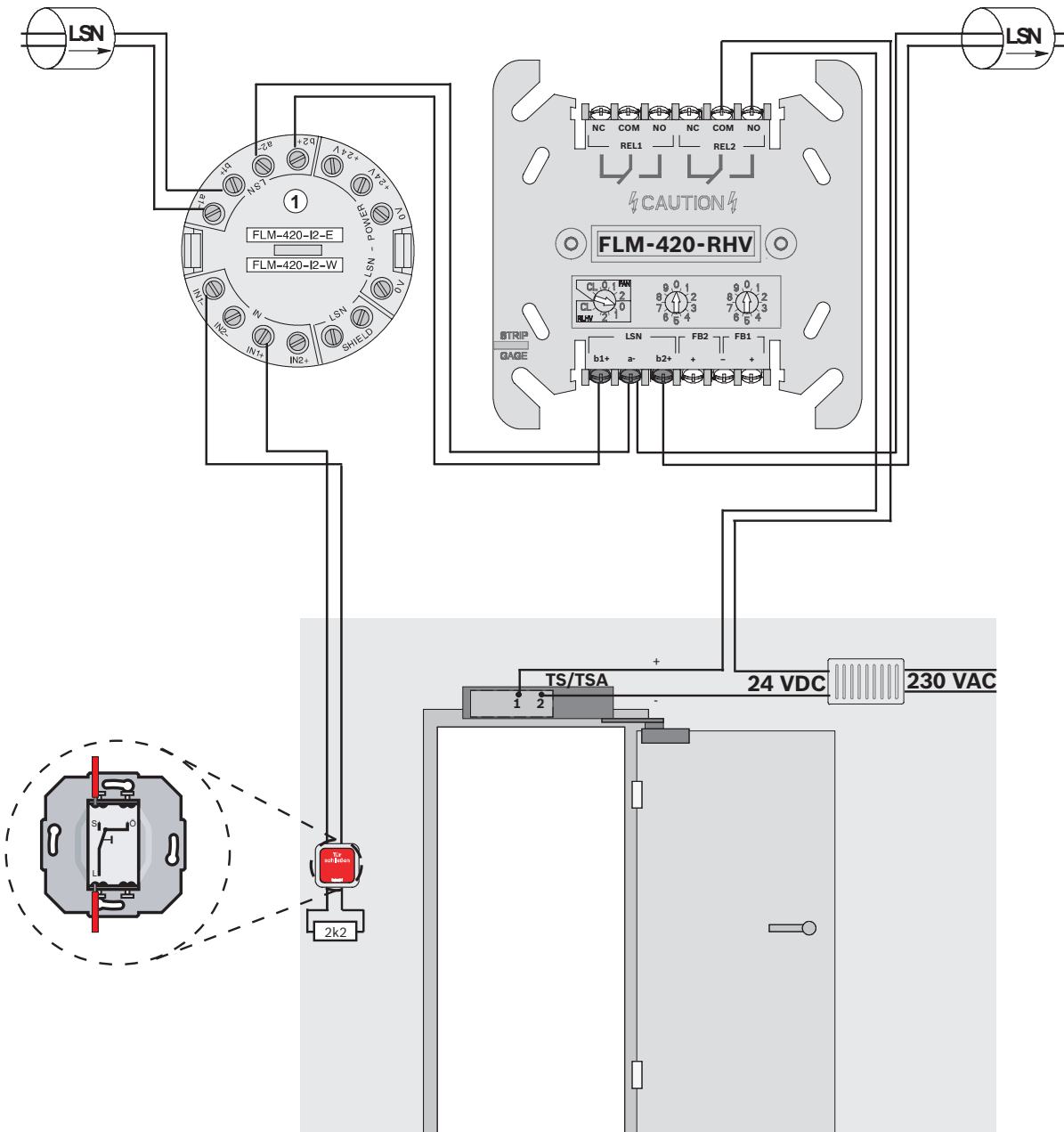
DIBT

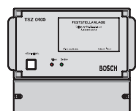




TS 4000 E/E-IS/EFS
TS 5000 E/E-IS/E-ISM
TS 550 E
TSA 160 NT F/F-IS/F-IS/TS

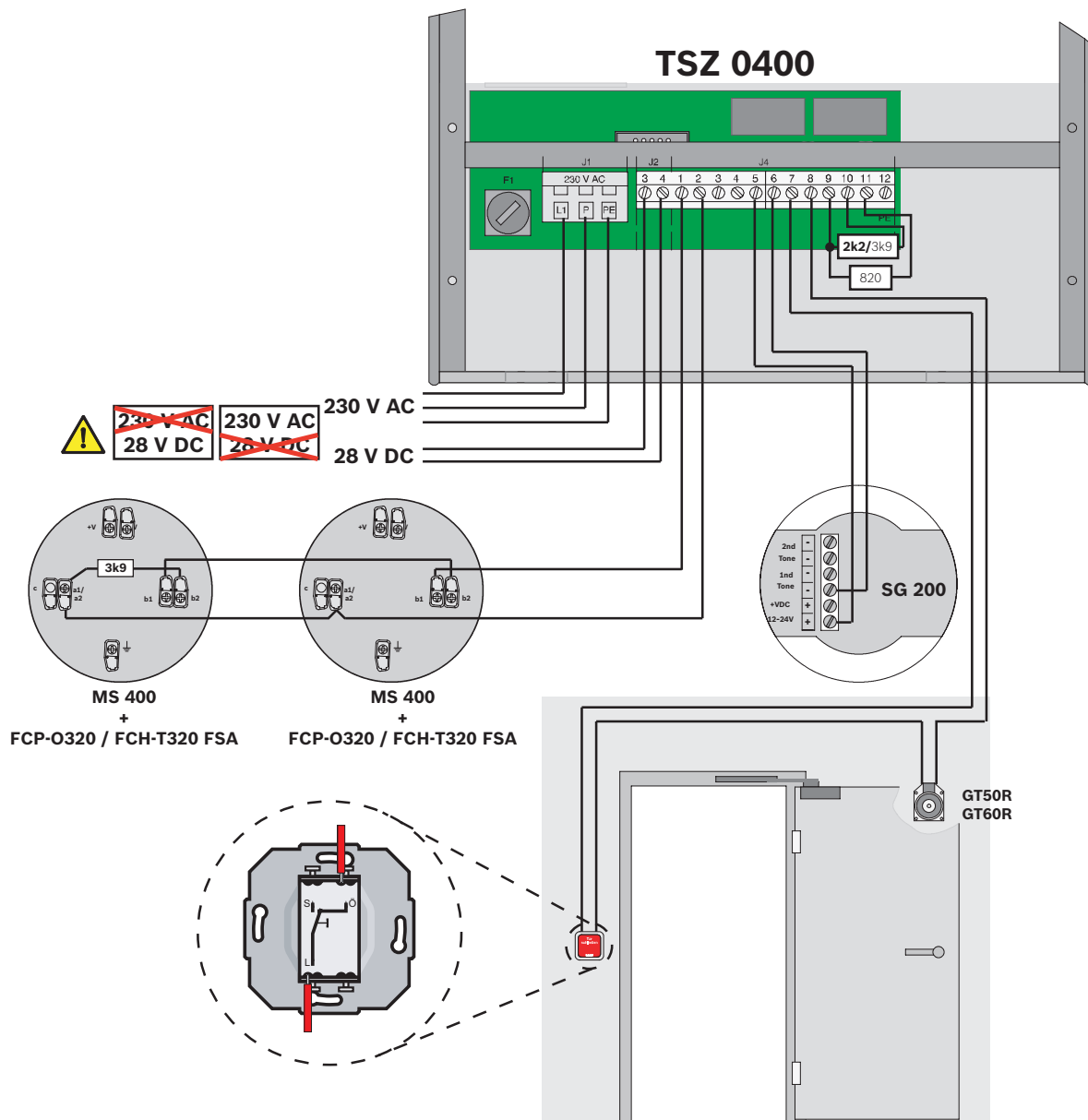
DIBT

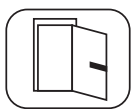




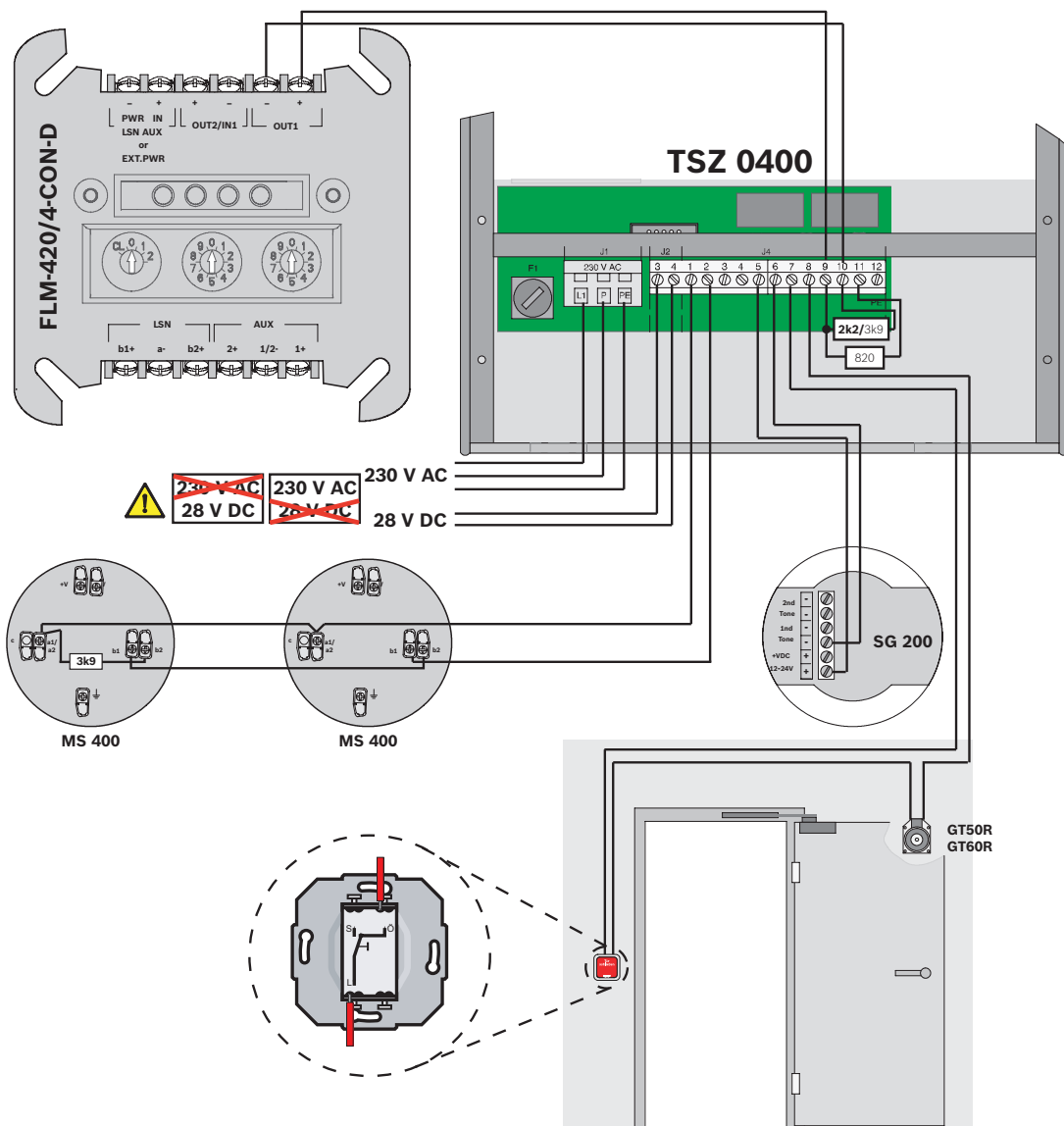
TSZ 0400

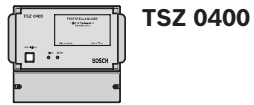
DIBT



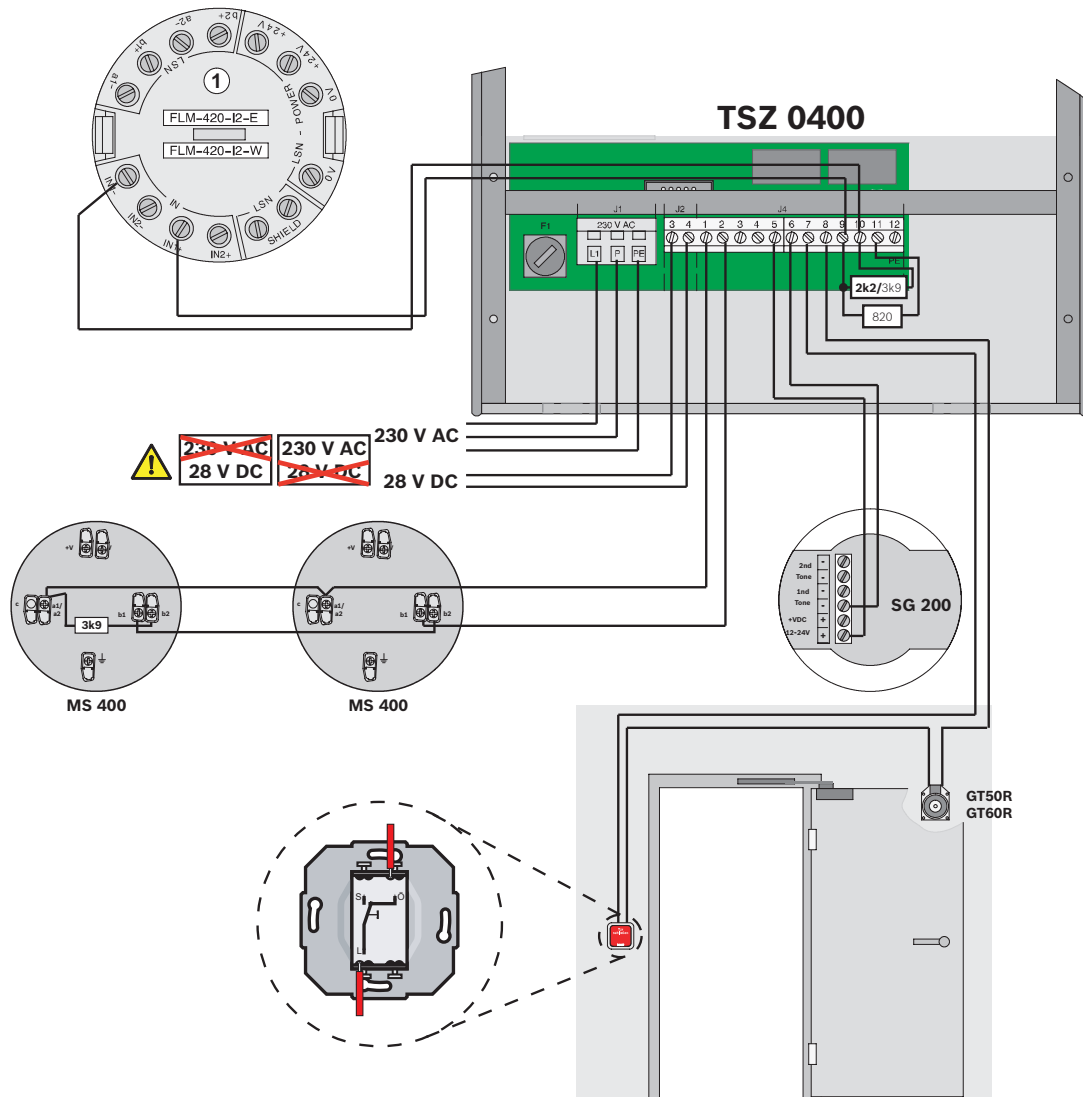


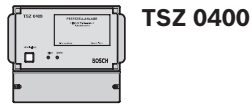
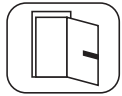
DIBT



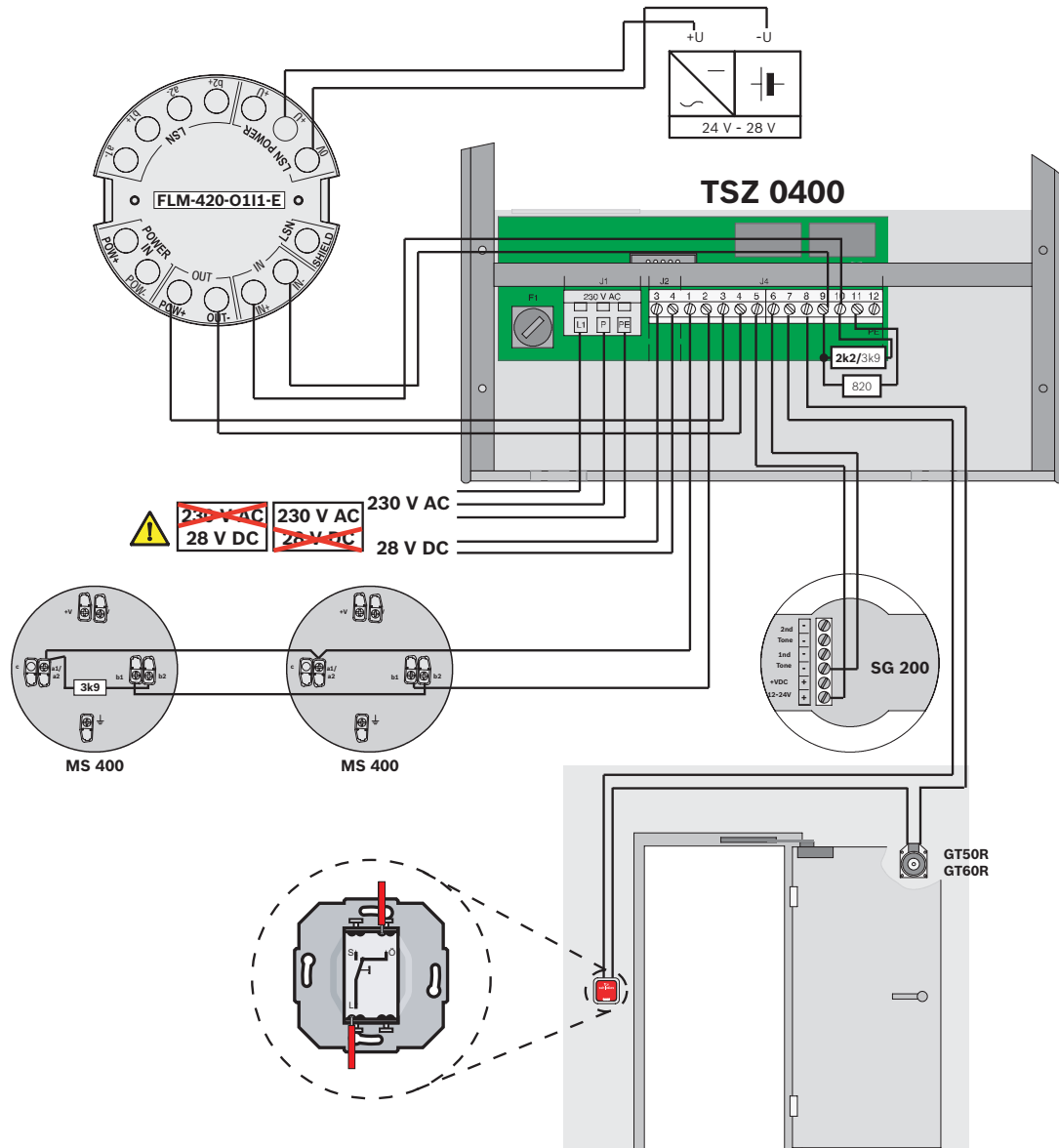


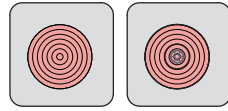
DIBT



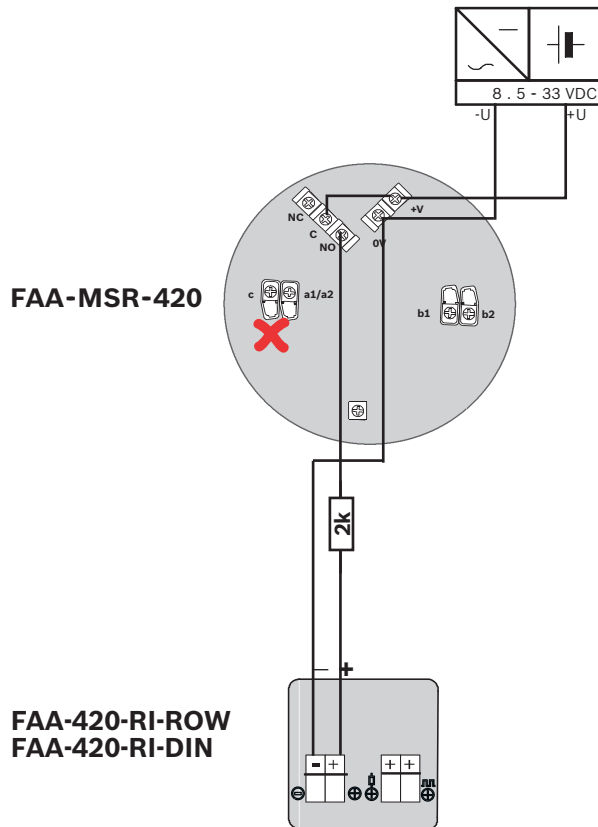
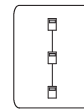


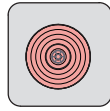
DIBT



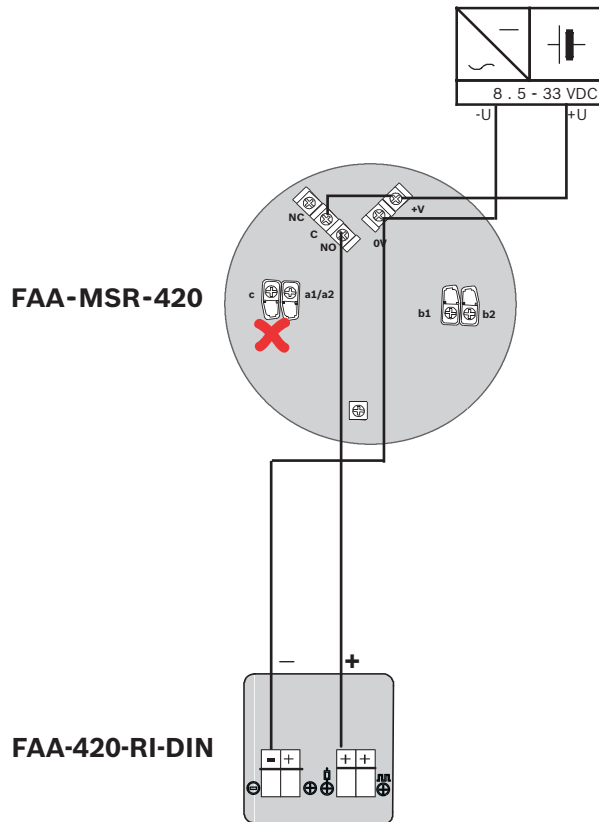
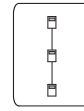


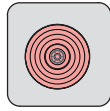
FAA-420-RI-ROW
FAA-420-RI-DIN



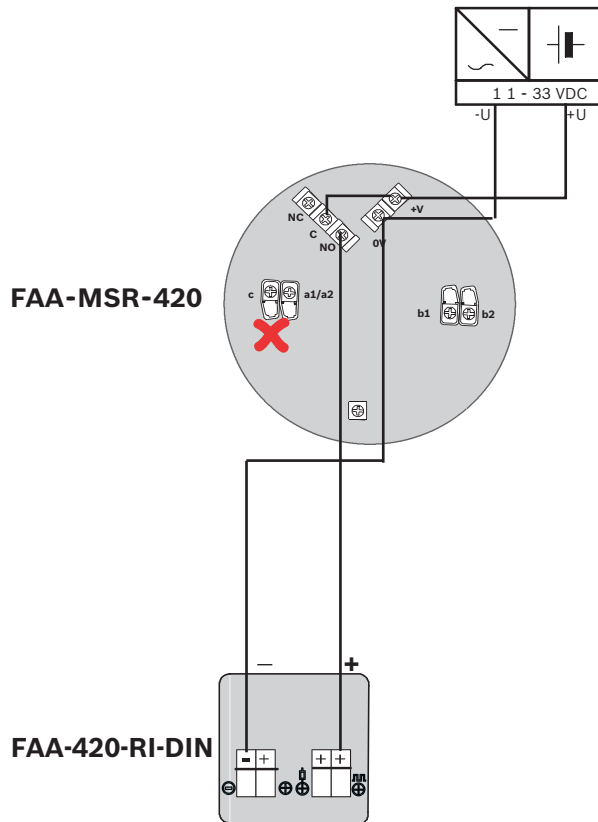
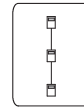


FAA-420-RI-DIN





FAA-420-RI-DIN



2.4

Functional Modules



BCM-000-B, stranica 43

CZM 0004 A, stranica 45

ENO 0000 A/B, stranica 61

LSN 0300 A, stranica 68

NZM 0002 A, stranica 106

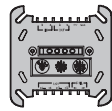
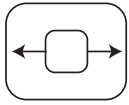
RMH 0002 A, stranica 119

IOS 0020 A, stranica 120

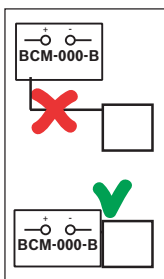
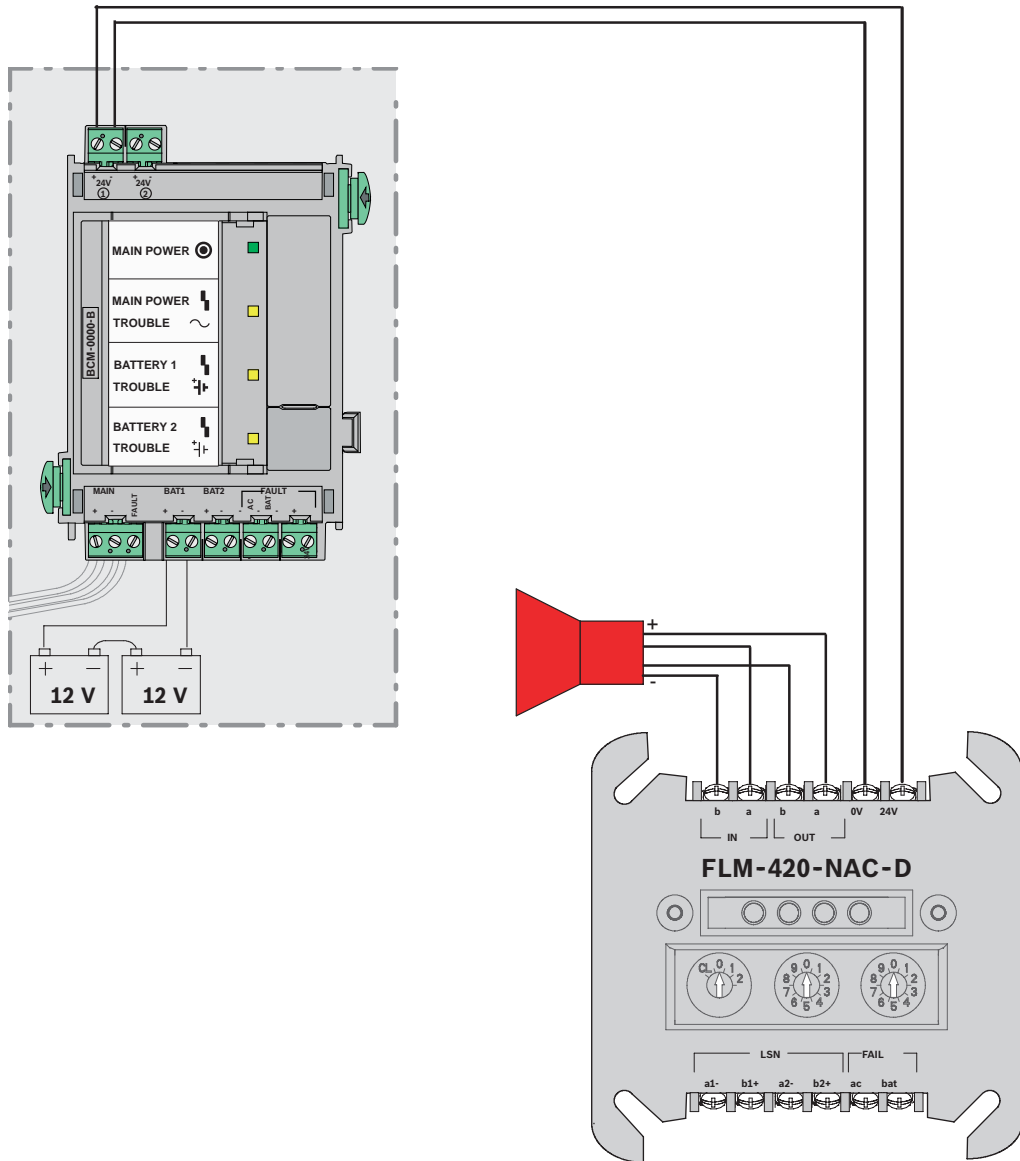
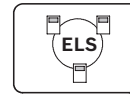
FPE-5000-UGM, stranica 122

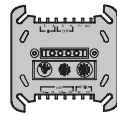
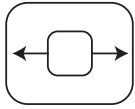
2.4.1

BCM-000-B

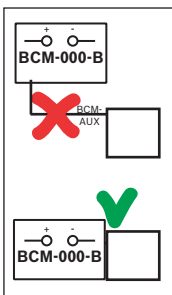
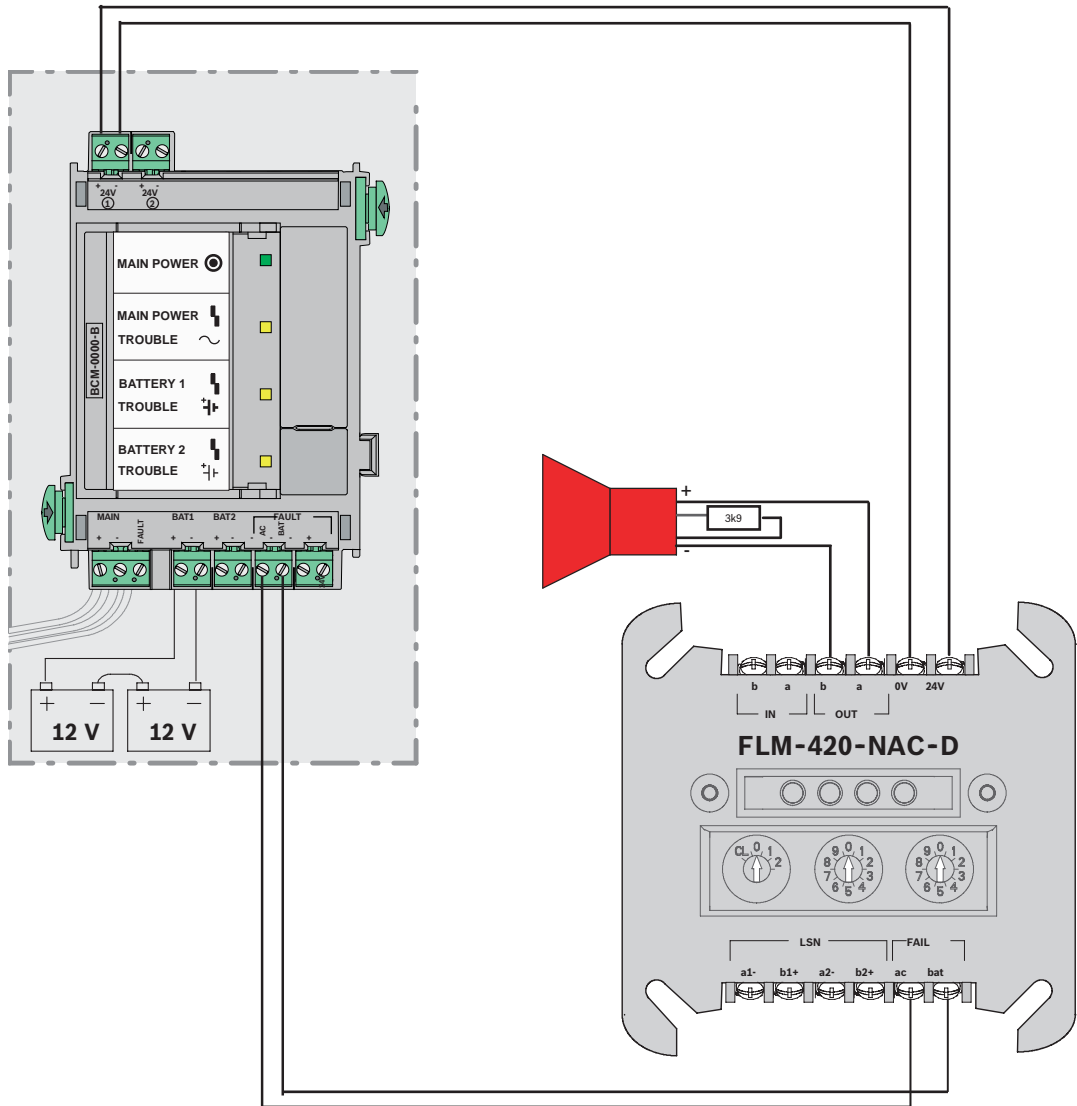
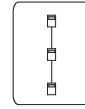


FLM-420-NAC-D





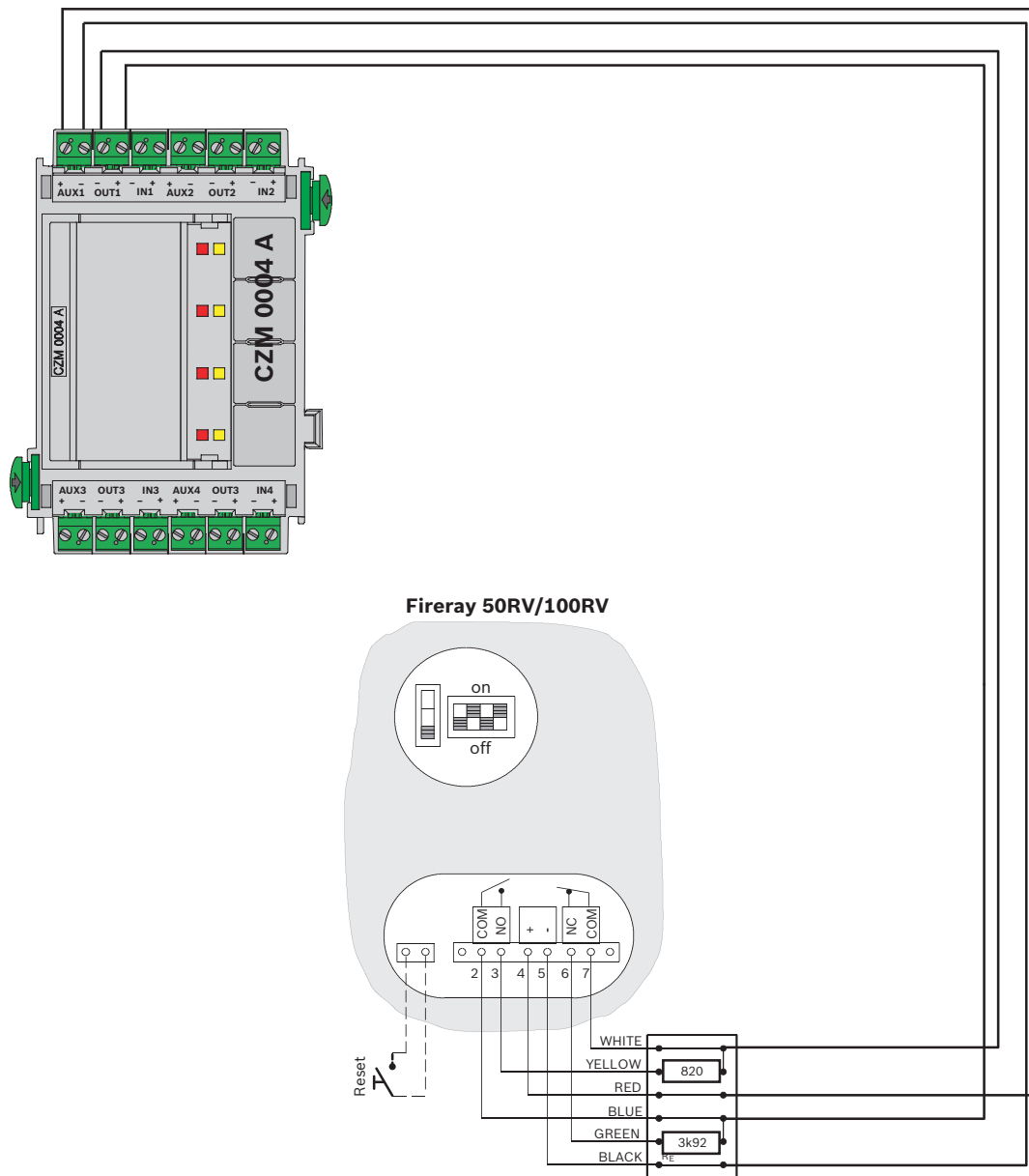
FLM-420-NAC-D

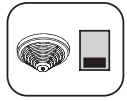


2.4.2 CZM 0004 A



Fireray 50RV
Fireray 100RV



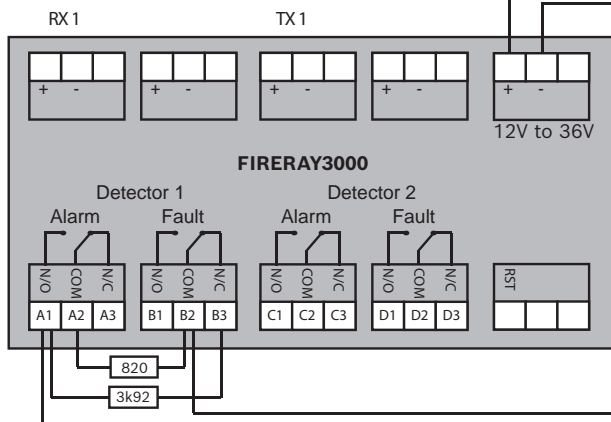
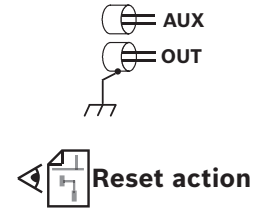
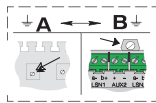
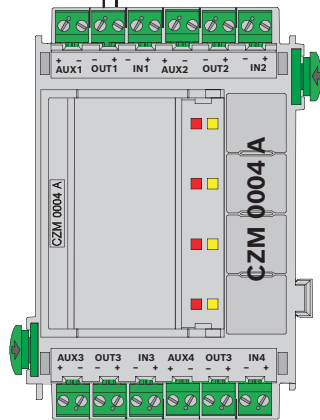


FIRERAY3000

1 x



BCM-0000-B
LSN 0300 A
LSN 1500 A

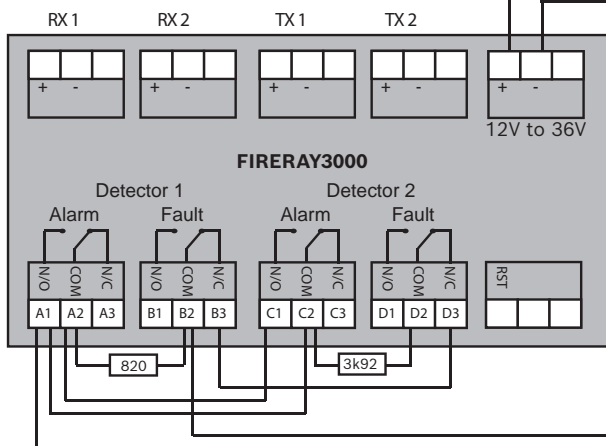
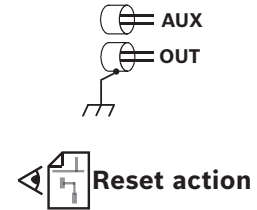
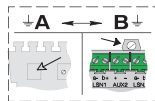
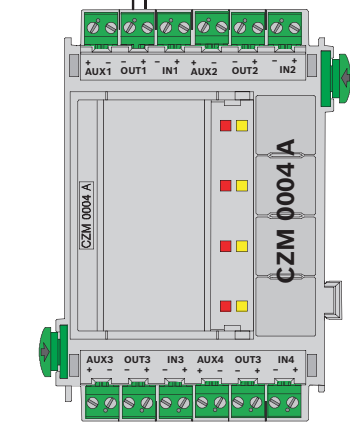




FIRERAY3000
2 x  **OUT1**



BCM-0000-B
LSN 0300 A
LSN 1500 A

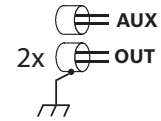
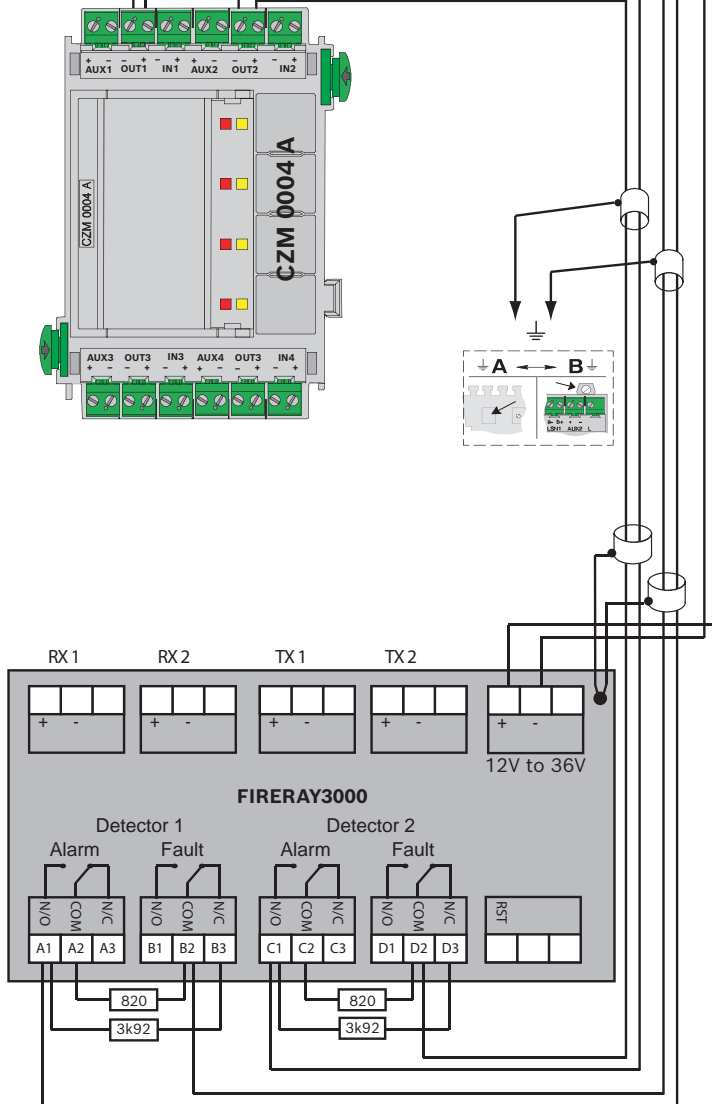




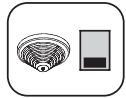
FIRERAY3000
2 x **OUT1+2**



BCM-0000-B
LSN 0300 A
LSN 1500 A



Reset action

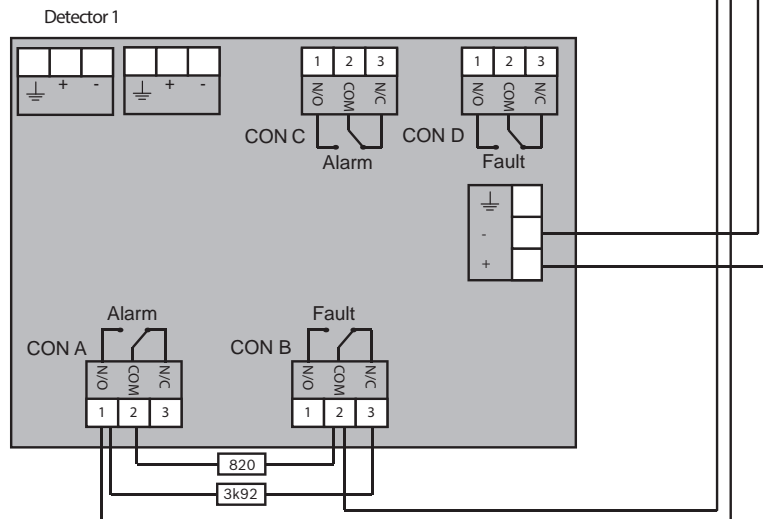
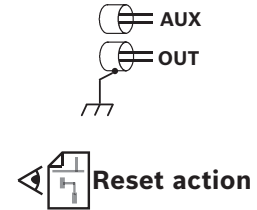
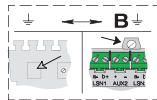
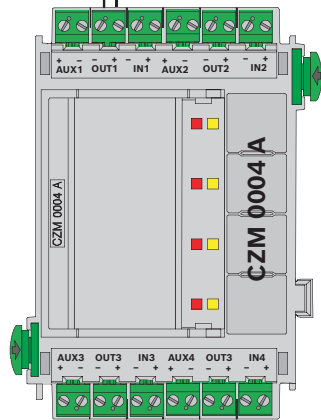


FIRERAY5000

1 x



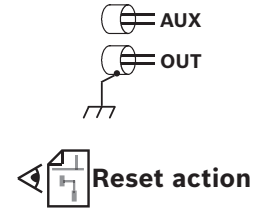
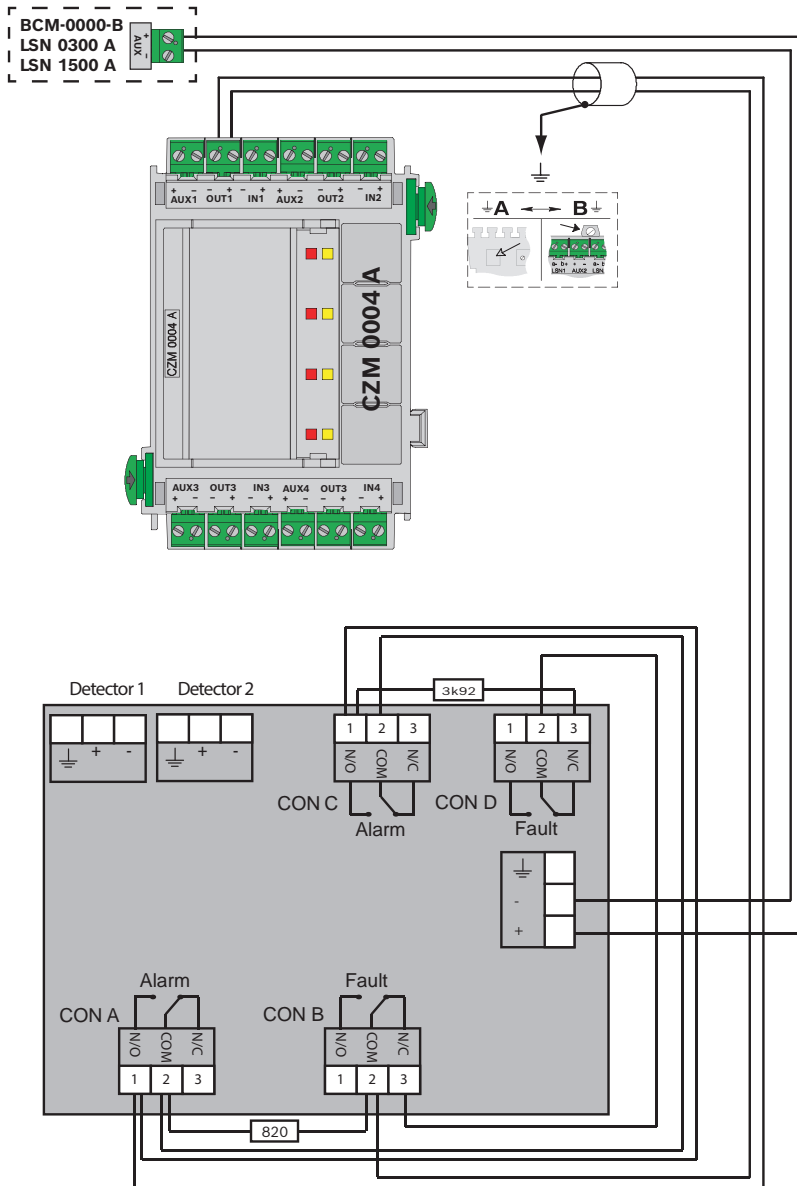
BCM-0000-B
LSN 0300 A
LSN 1500 A

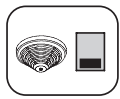




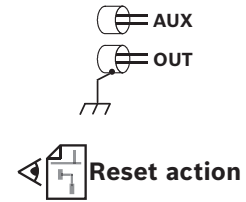
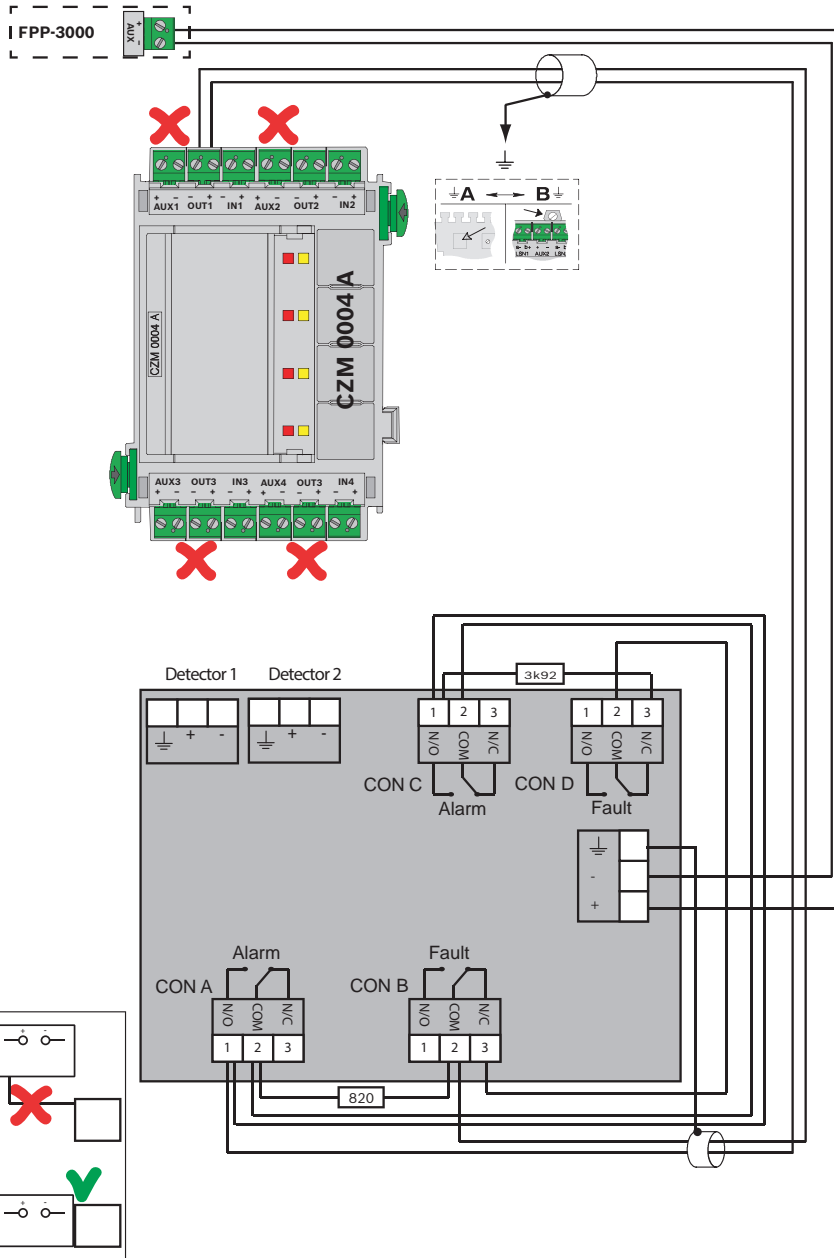
FIRERAY5000

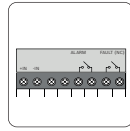
2 x OUT1



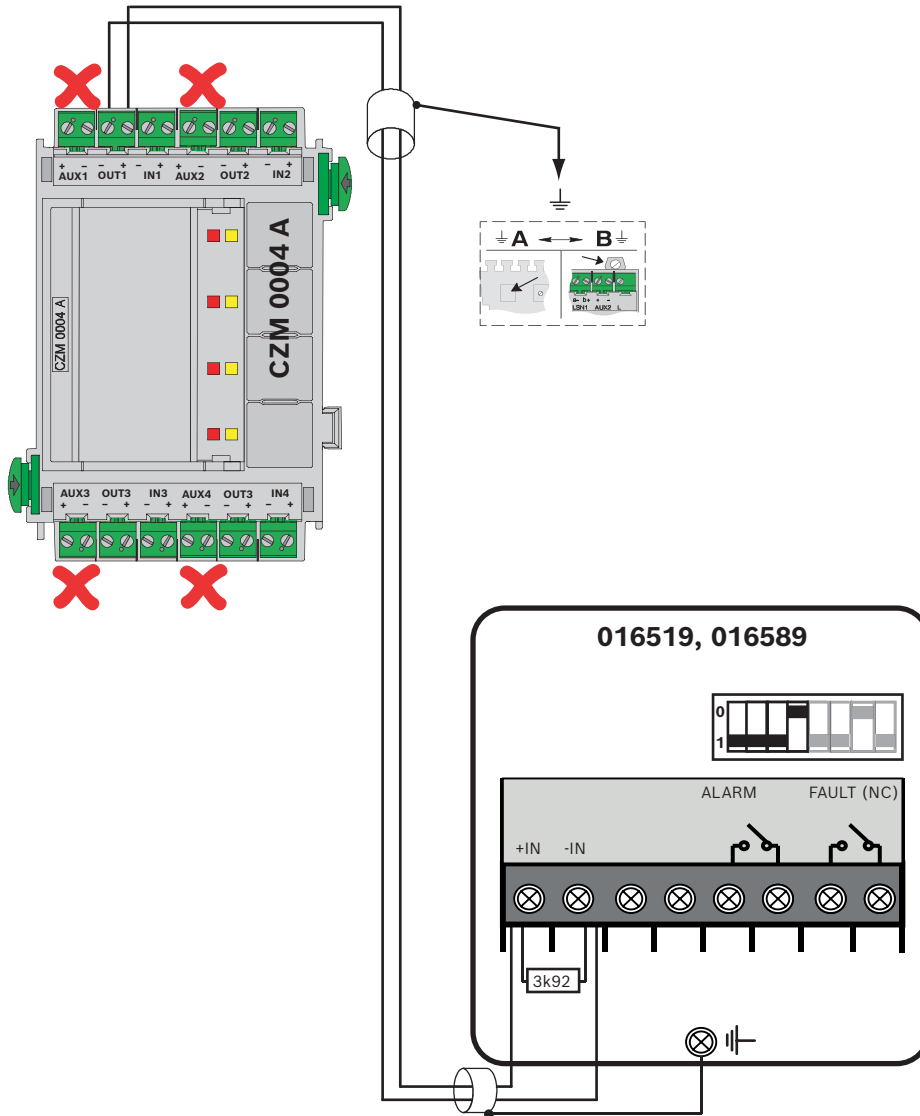
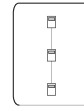


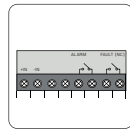
FIRERAY5000
2 x  **OUT1**



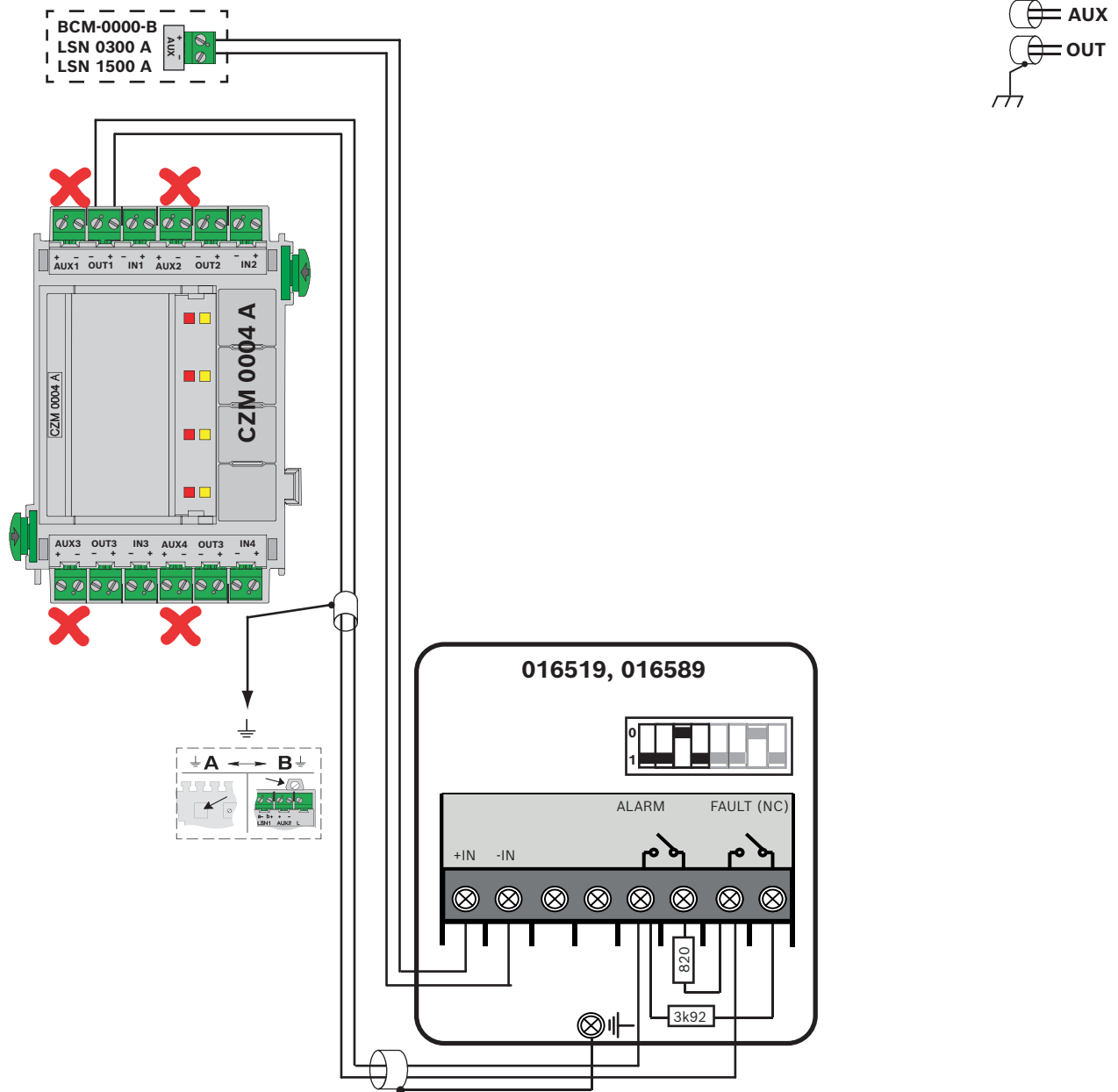
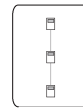


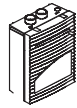
**016519, 016589
IR3 Flame Detector**



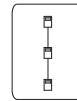


**016519, 016589
IR3 Flame Detector**

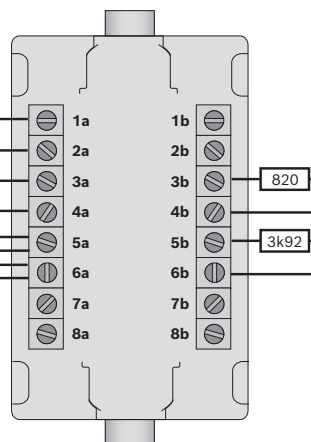
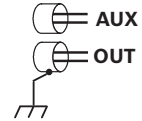
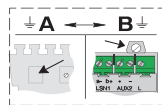
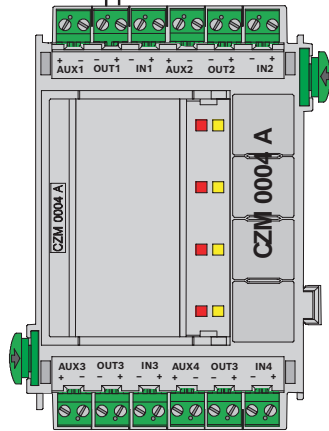


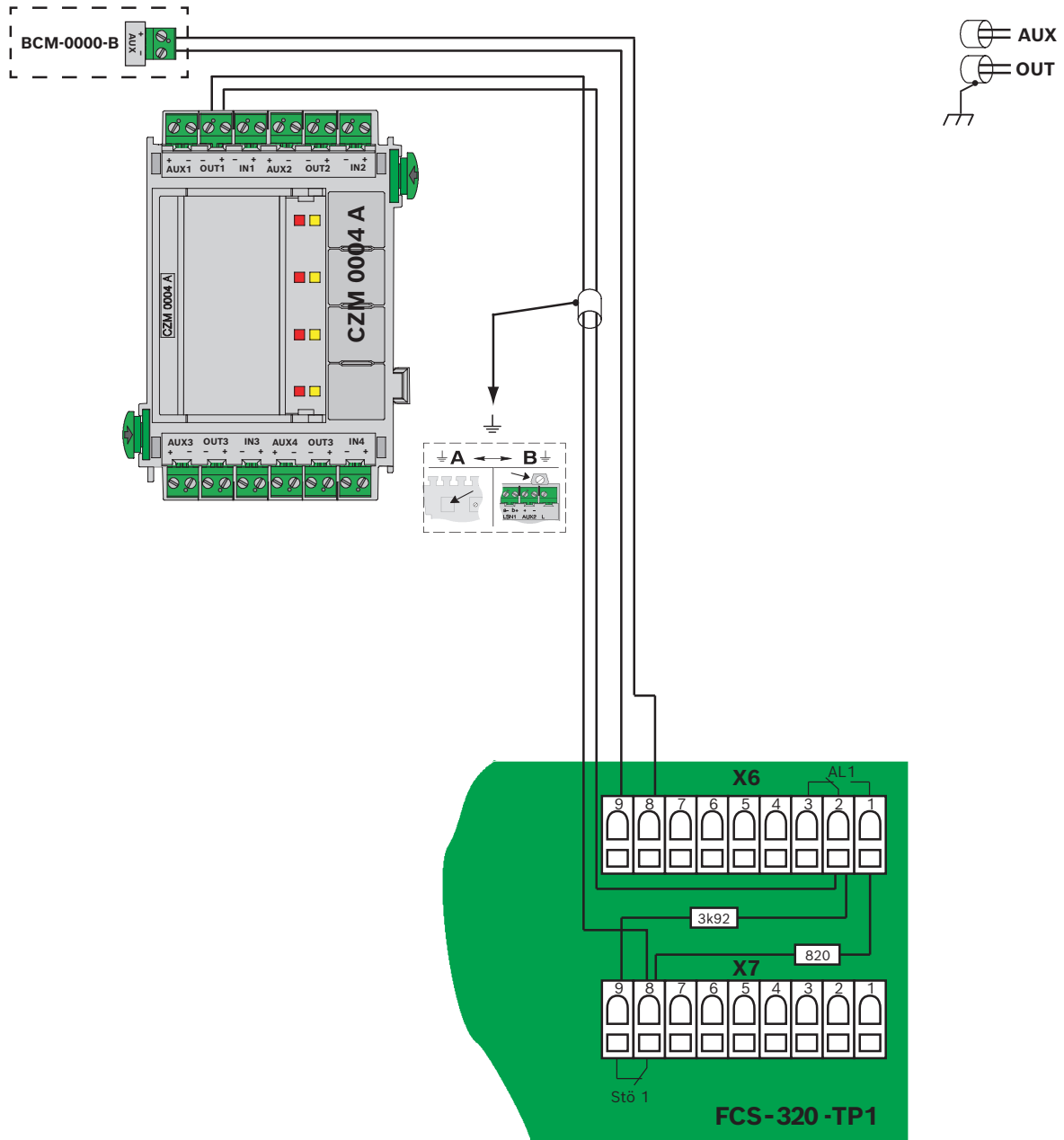
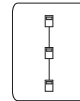
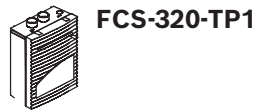


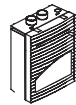
FCS-320-TM Series



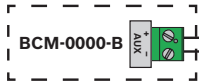
BCM-0000-B
LSN 0300 A
LSN 1500 A



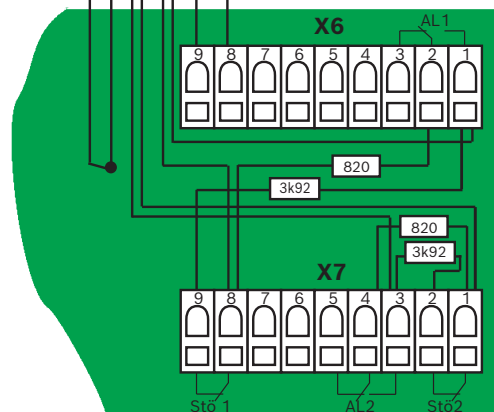
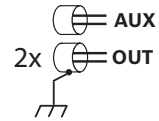
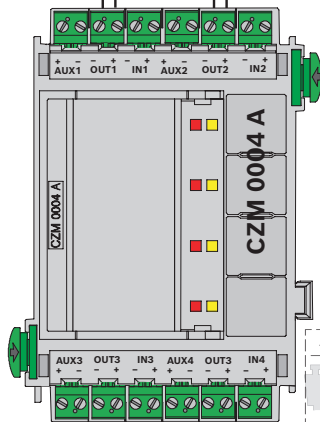




FCS-320-TP2



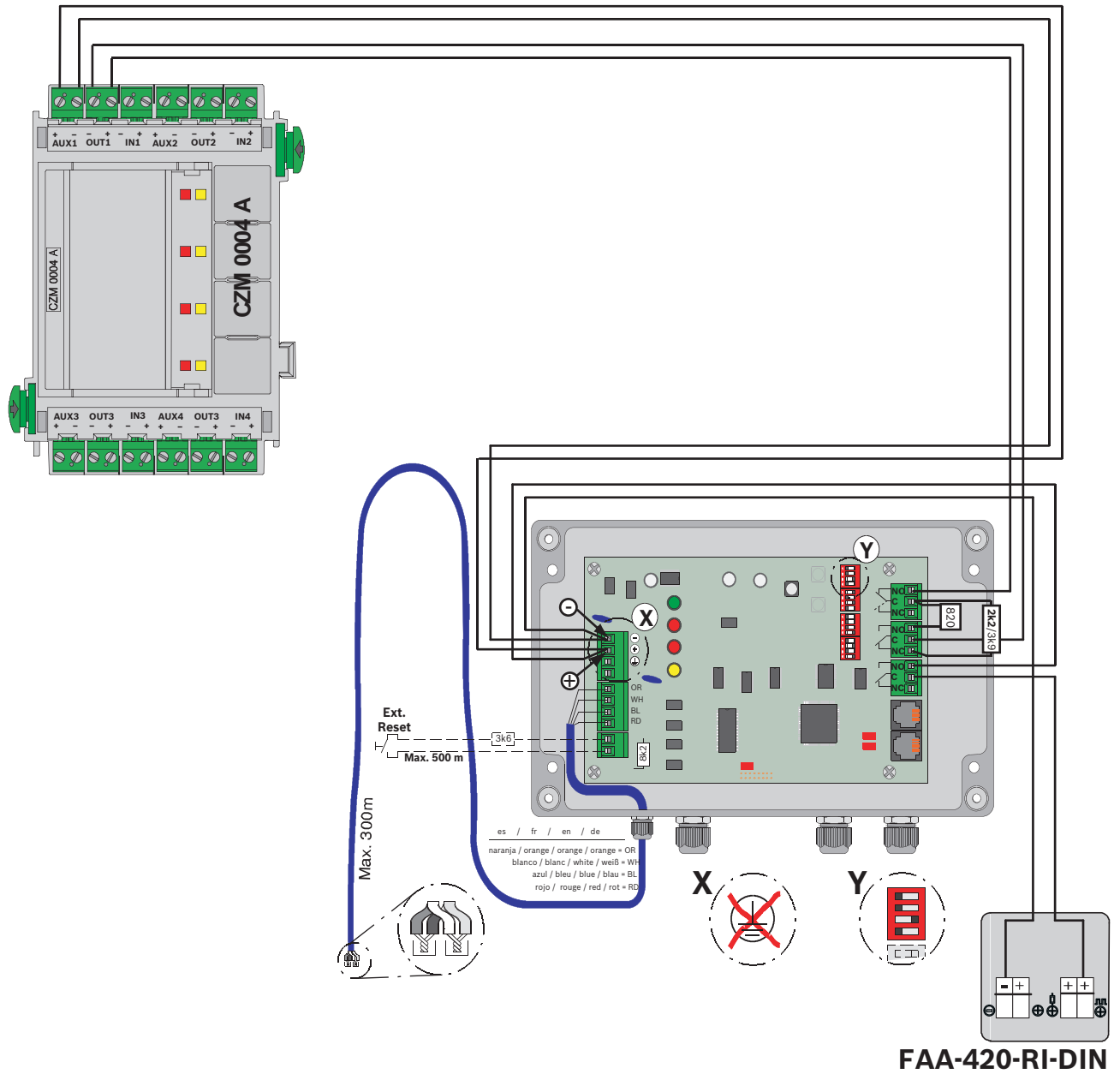
BCM-0000-B



FCS-320-TP2

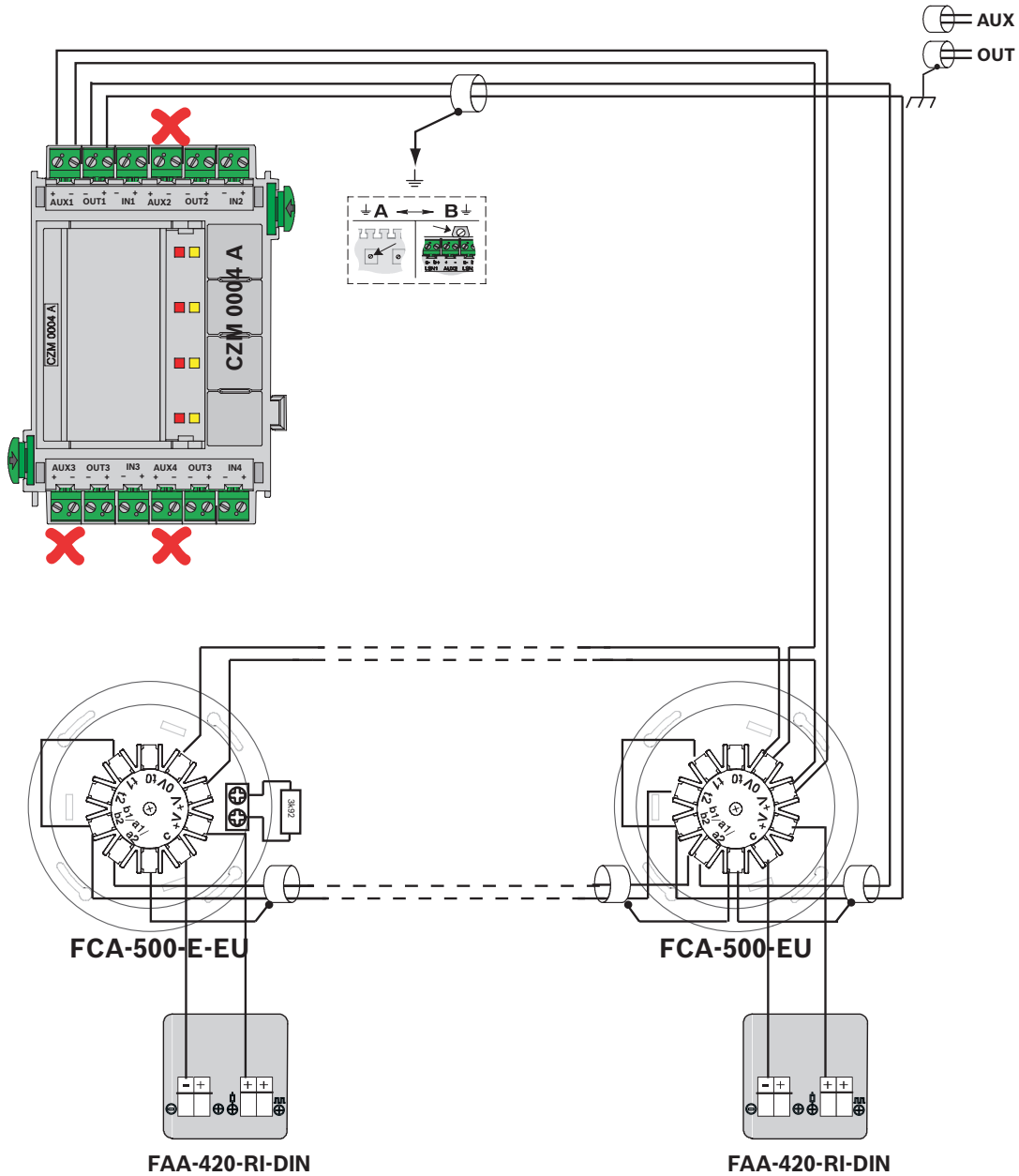


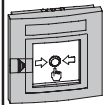
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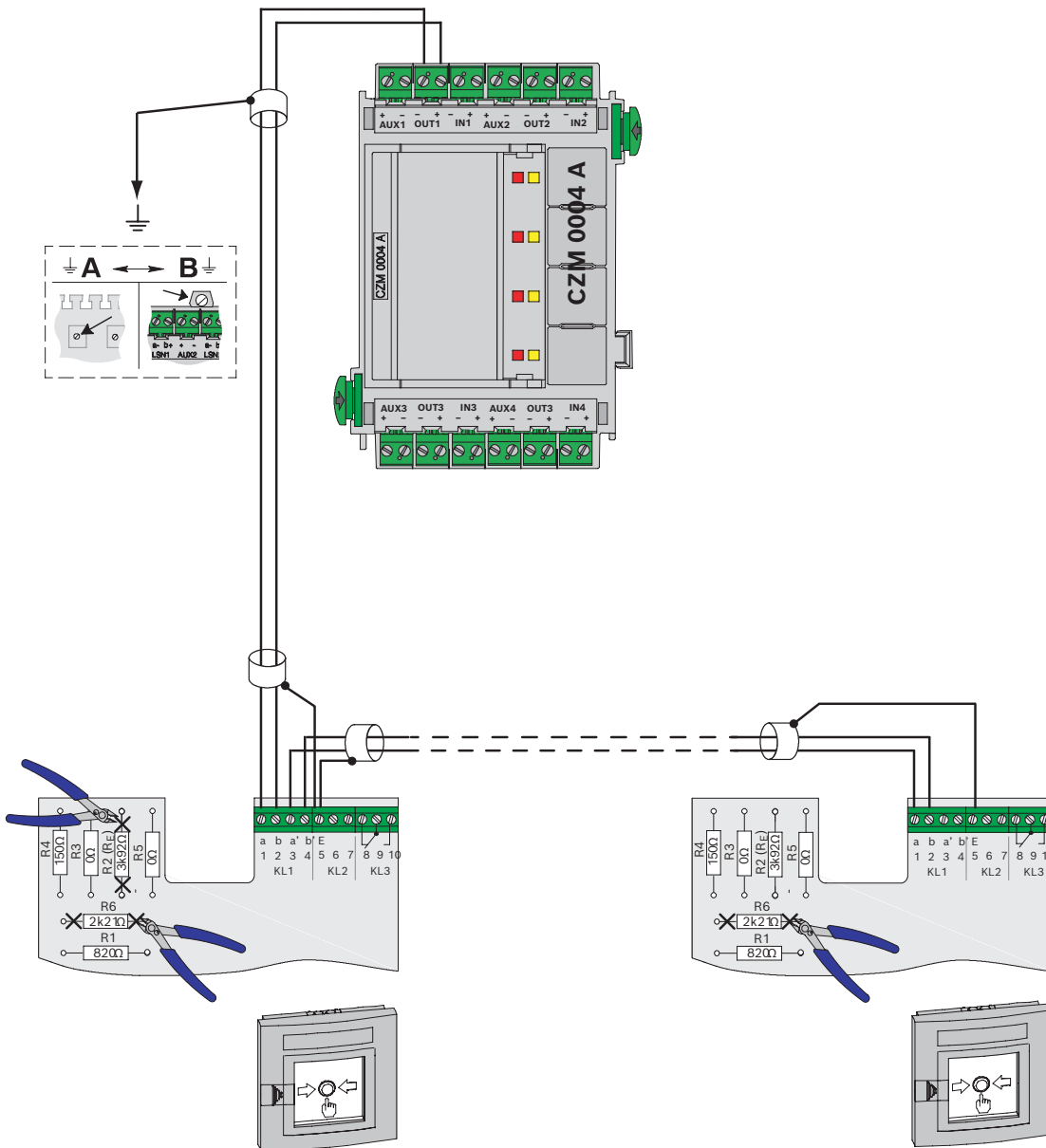
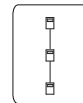


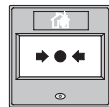
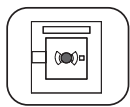
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 FCP-O 500
 FCP-O 500-P
 FCP-OC 500
 FCP-OC 500-P



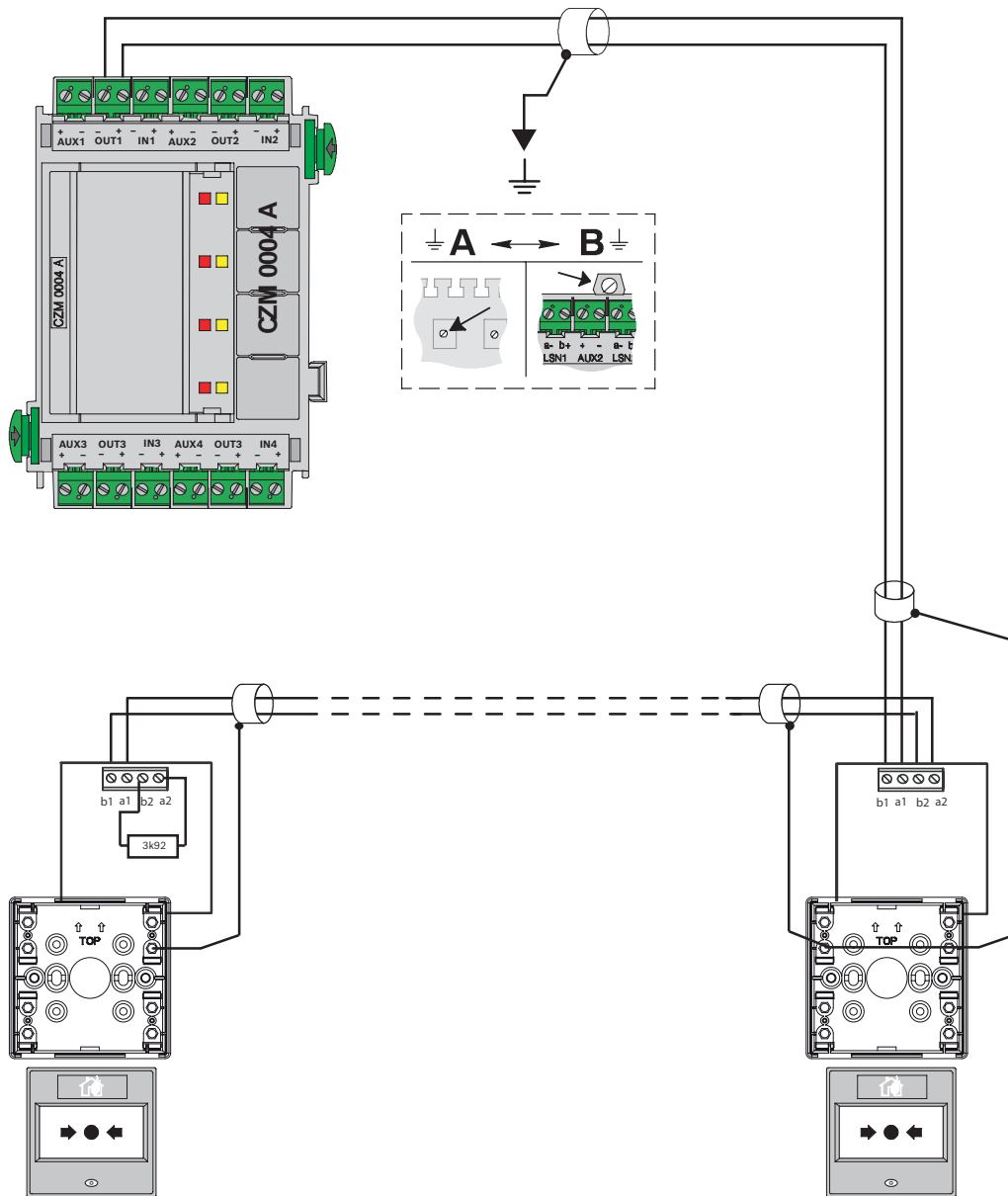
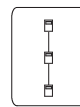


FMC-120-DKM-G-R
FMC-120-DKM-H-R
FMC-120-DKM-G-B
FMC-120-DKM-H-B
FMC-120-DKM-G-Y





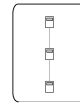
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FMC-300RW-GSRBU
FMC-300RW-GSGRD
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FMC-300RW-GSRYE



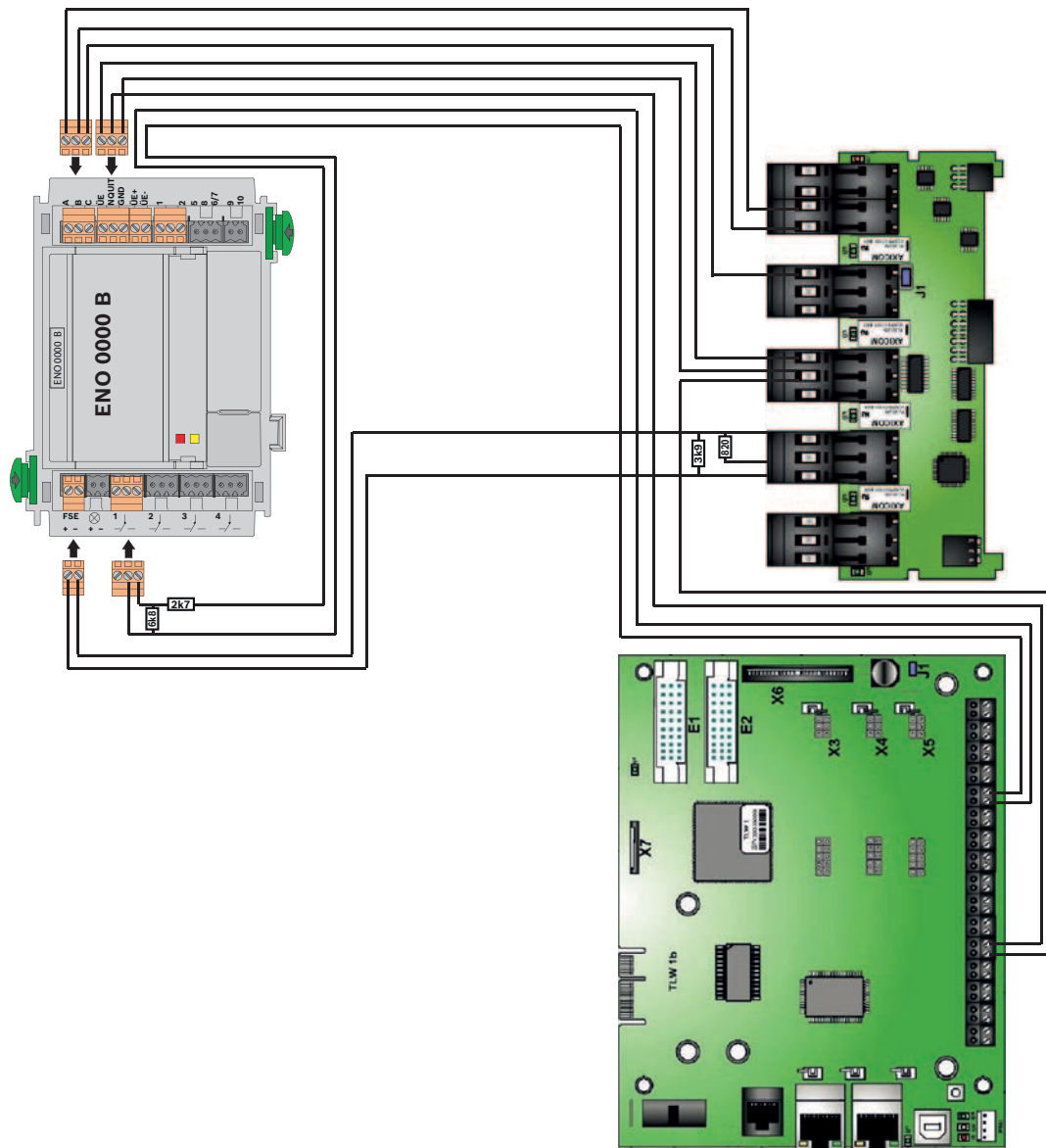
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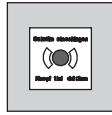
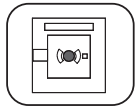


AT5000 IP/GPRS

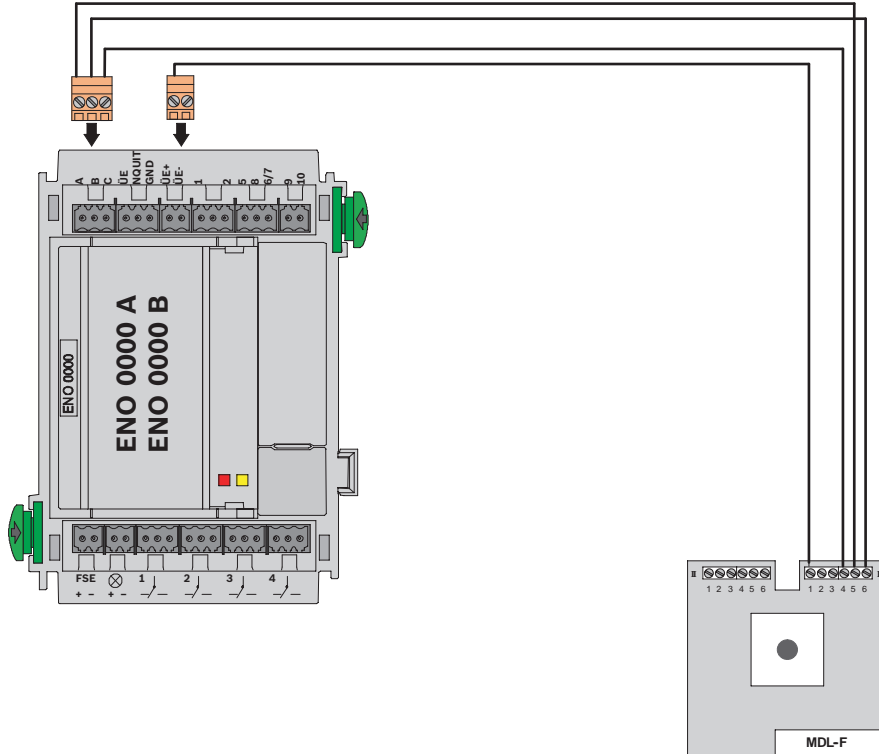


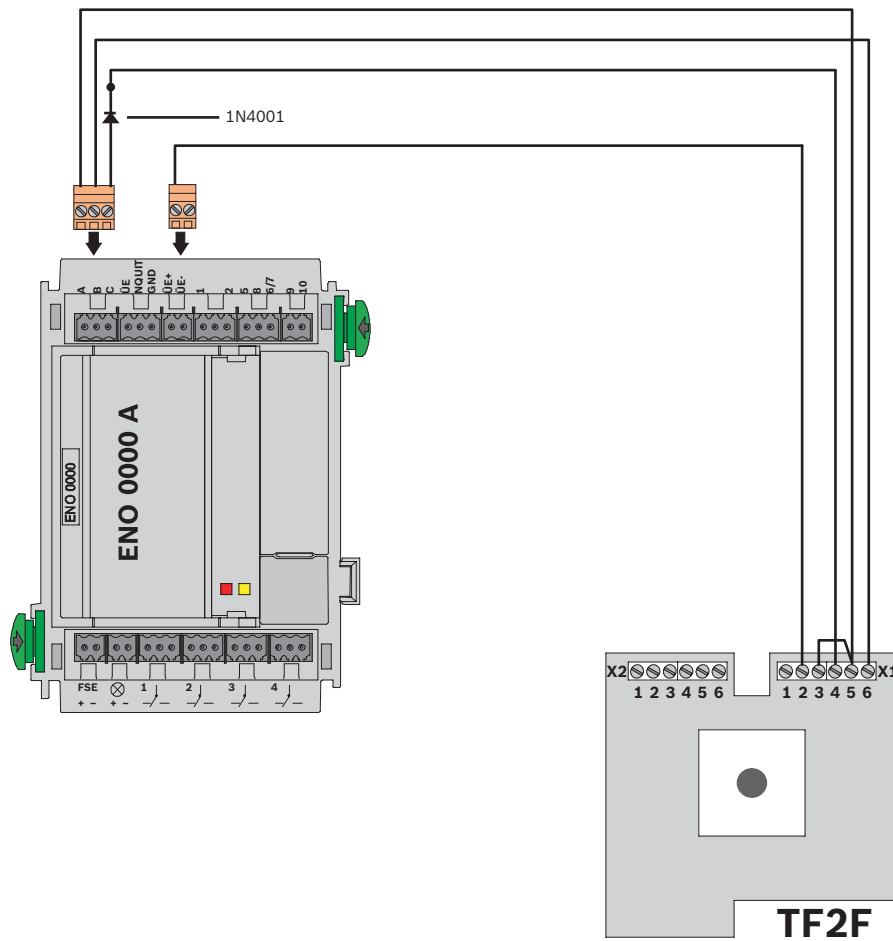
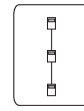
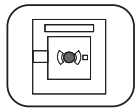
EN 54-2

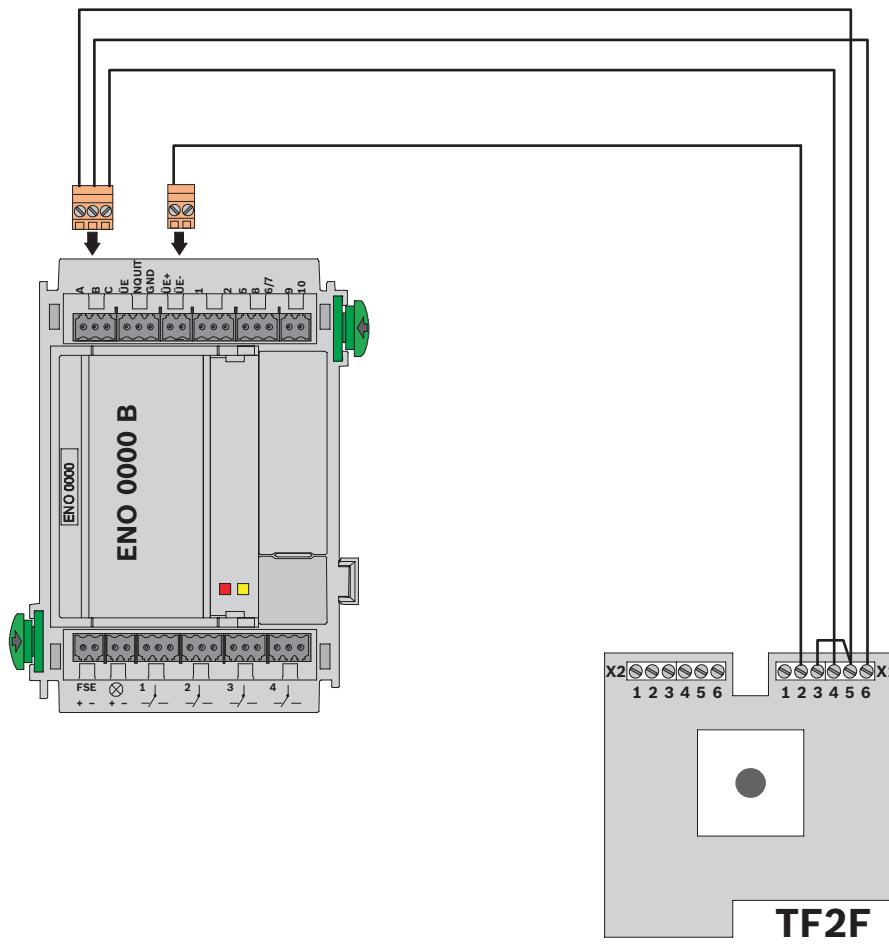
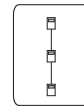
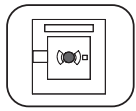


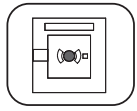


MDL-F

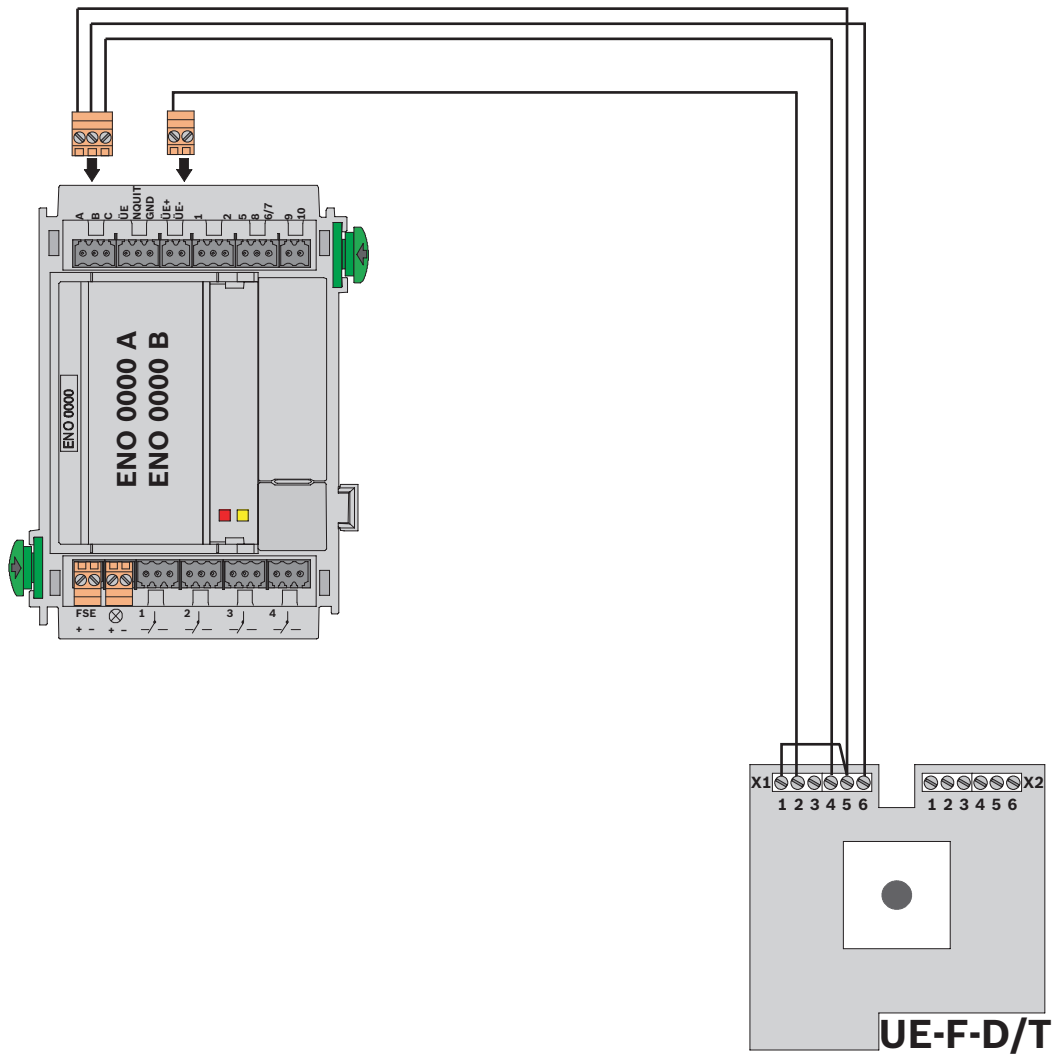


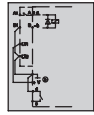




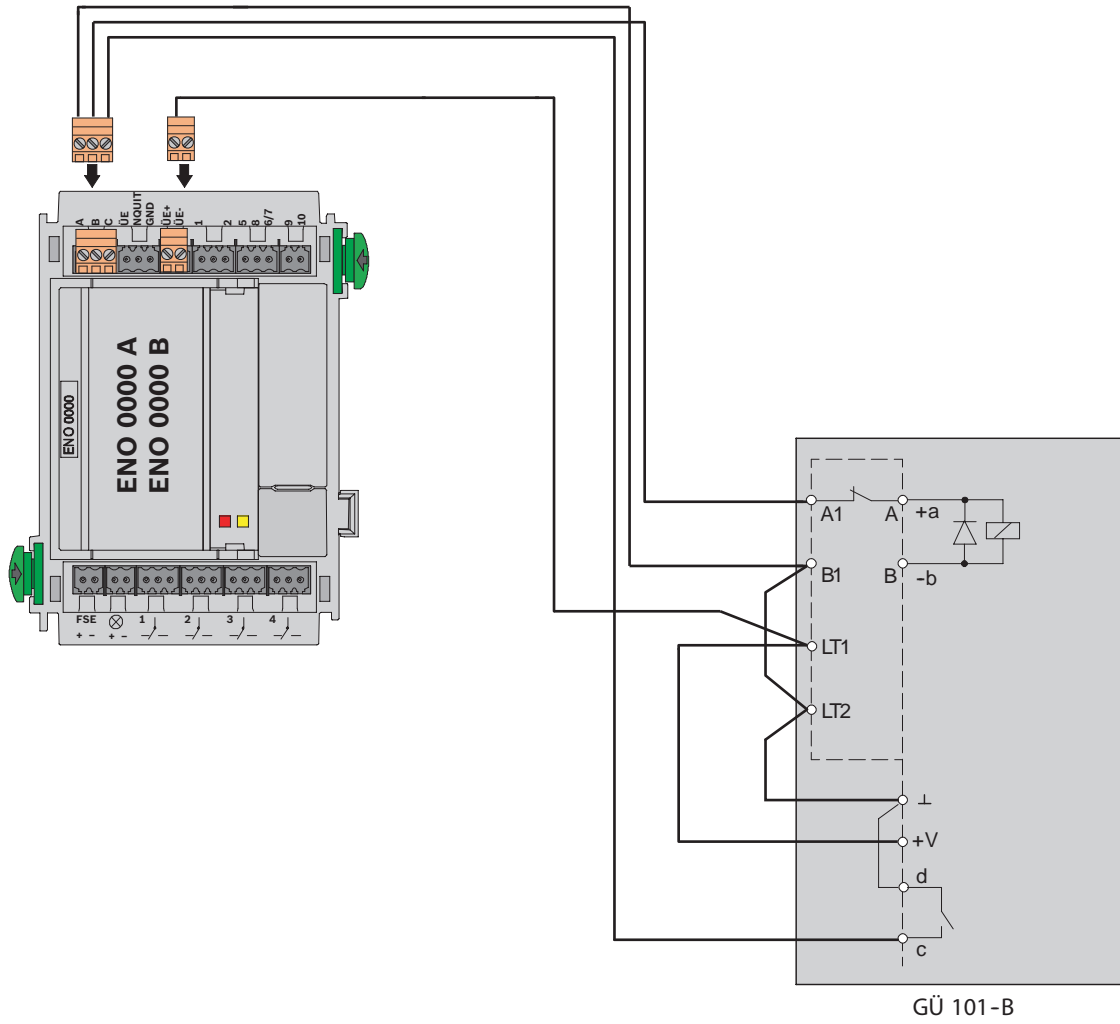
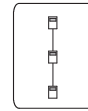


UE-F-D/T

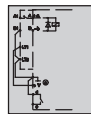




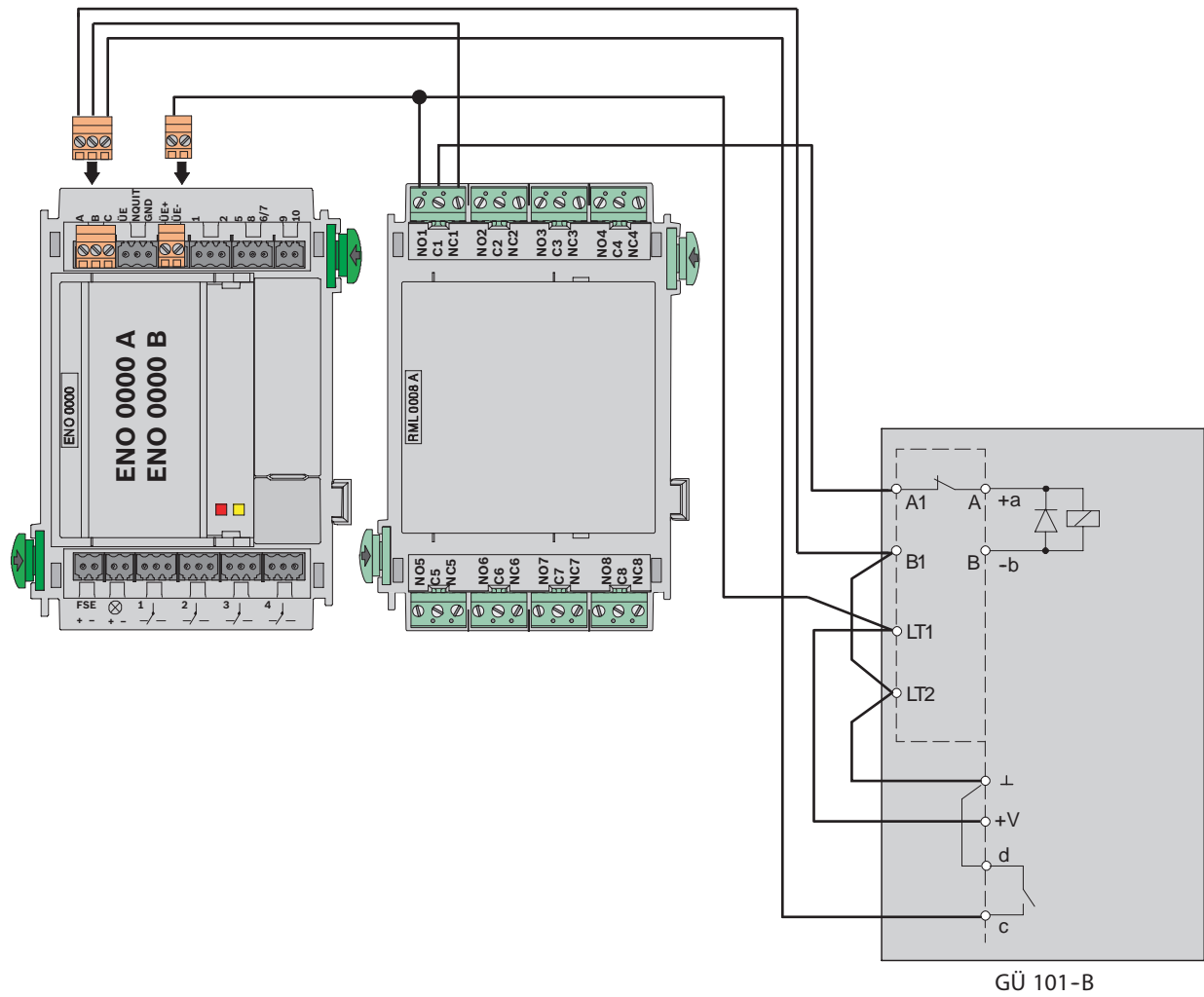
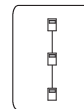
GÜ 101-B



GÜ 101-B

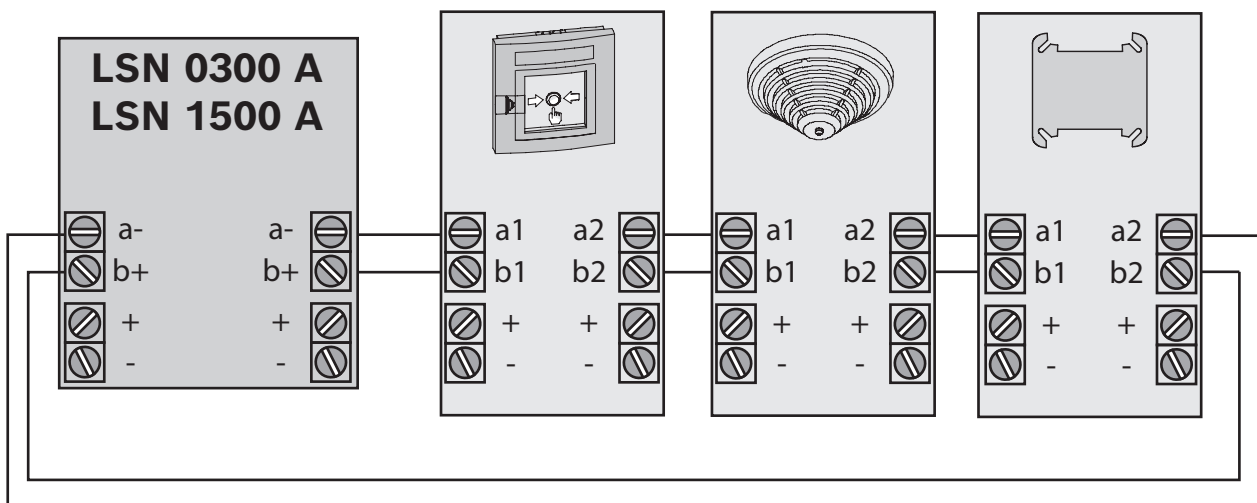
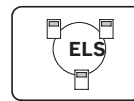


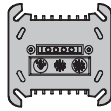
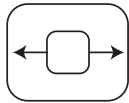
GÜ 101-B



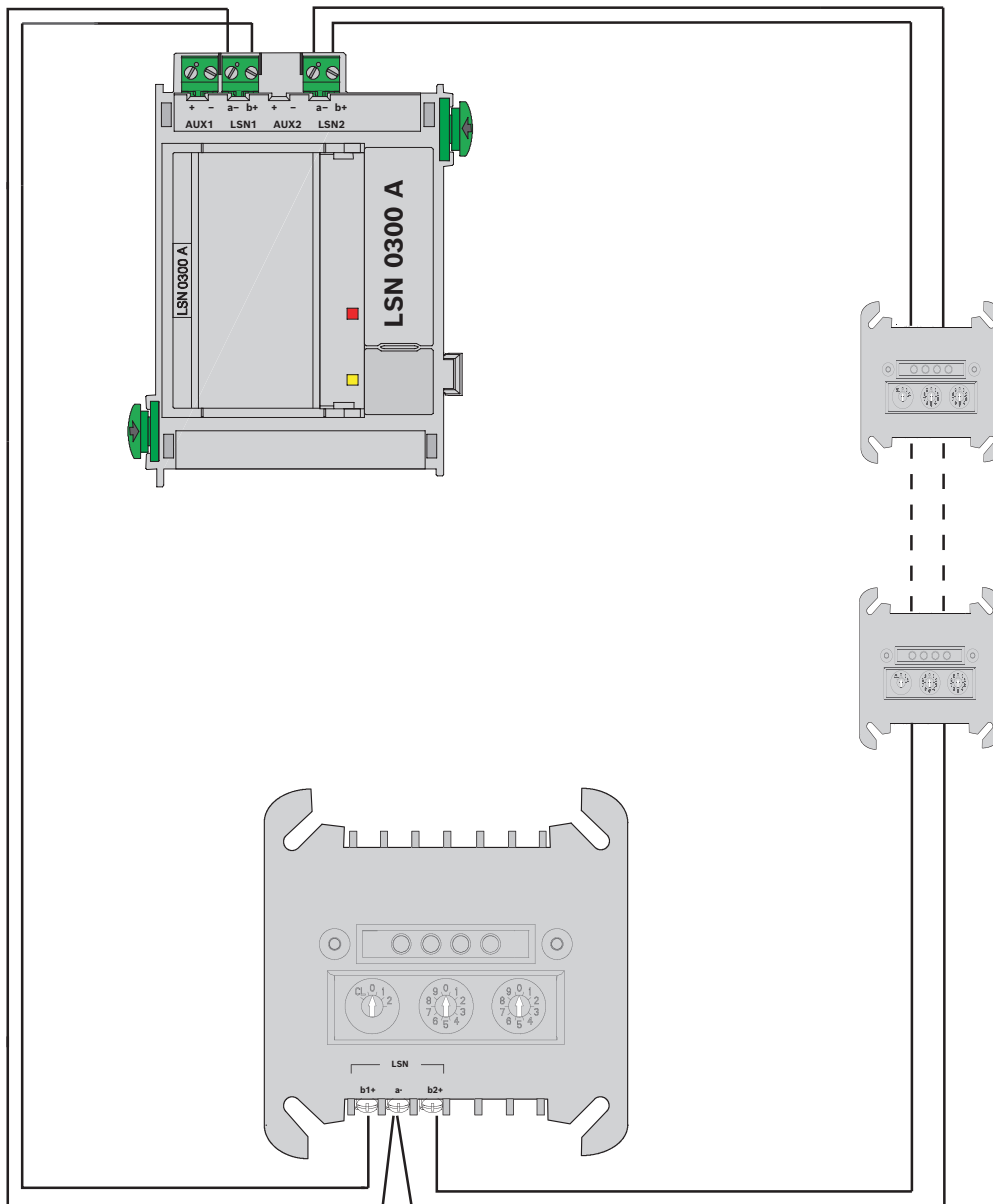
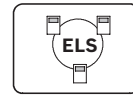
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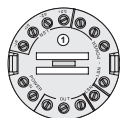
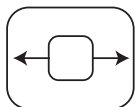
LSN 0300 A



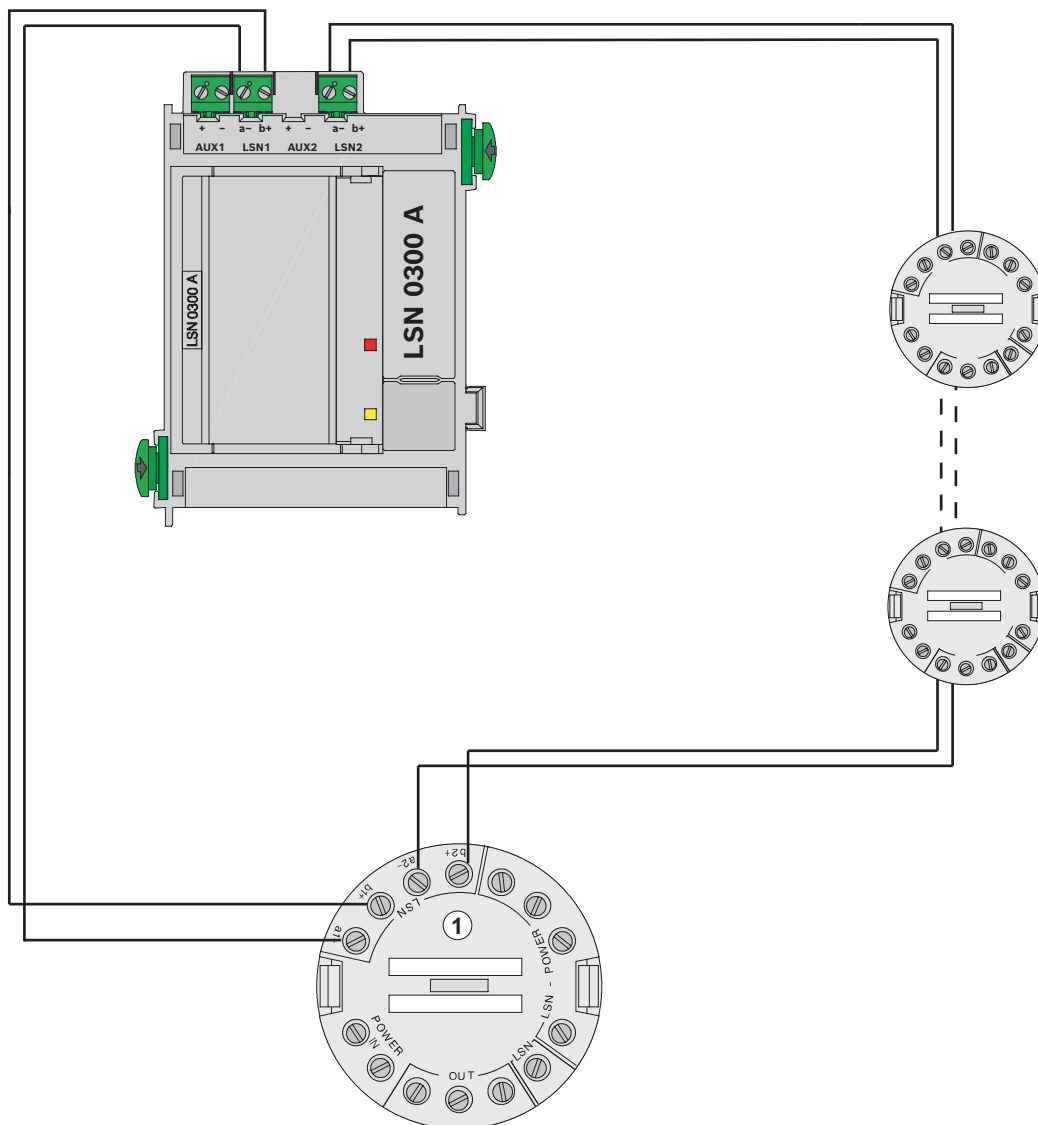
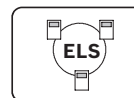


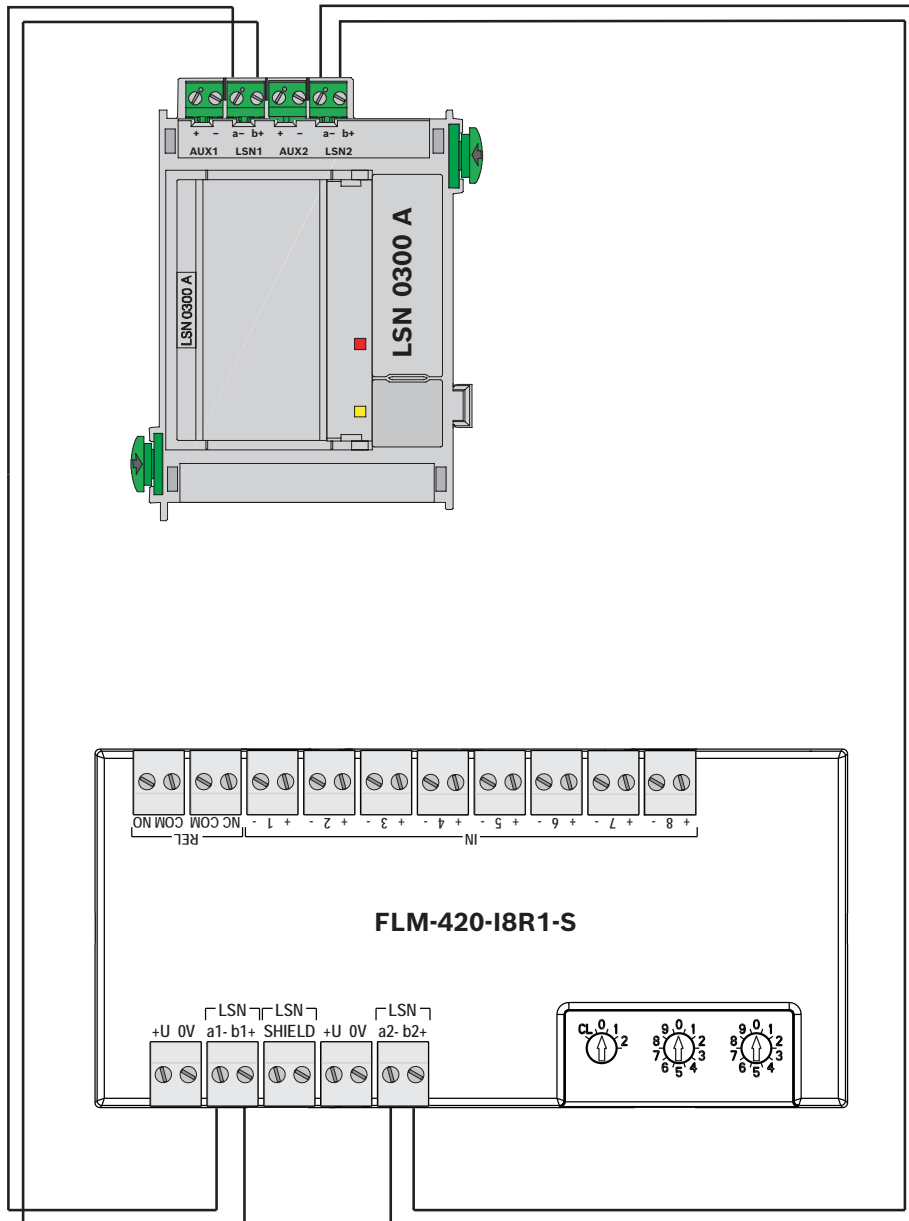
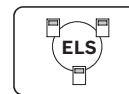
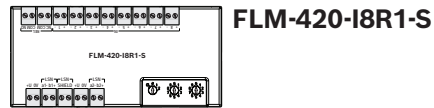
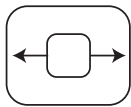
FLM-I 420-S
 FLM-420-I2-D
 FLM-420-O1I1-D
 FLM-420-RHV-D/S
 FLM-420-RLV1-D

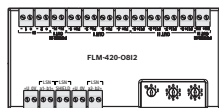
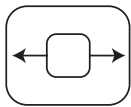




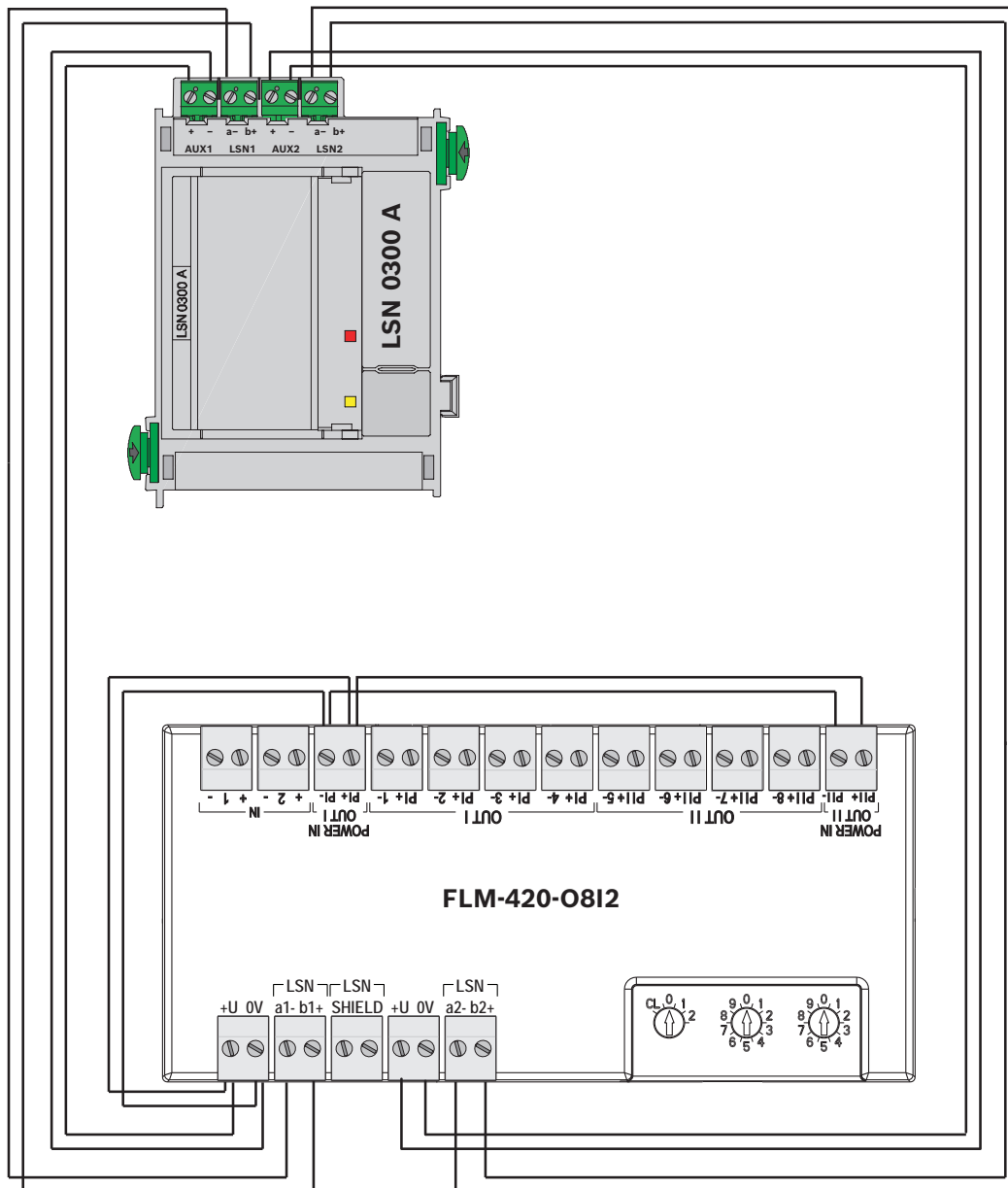
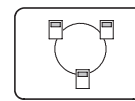
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FLM-420-RLV1-E

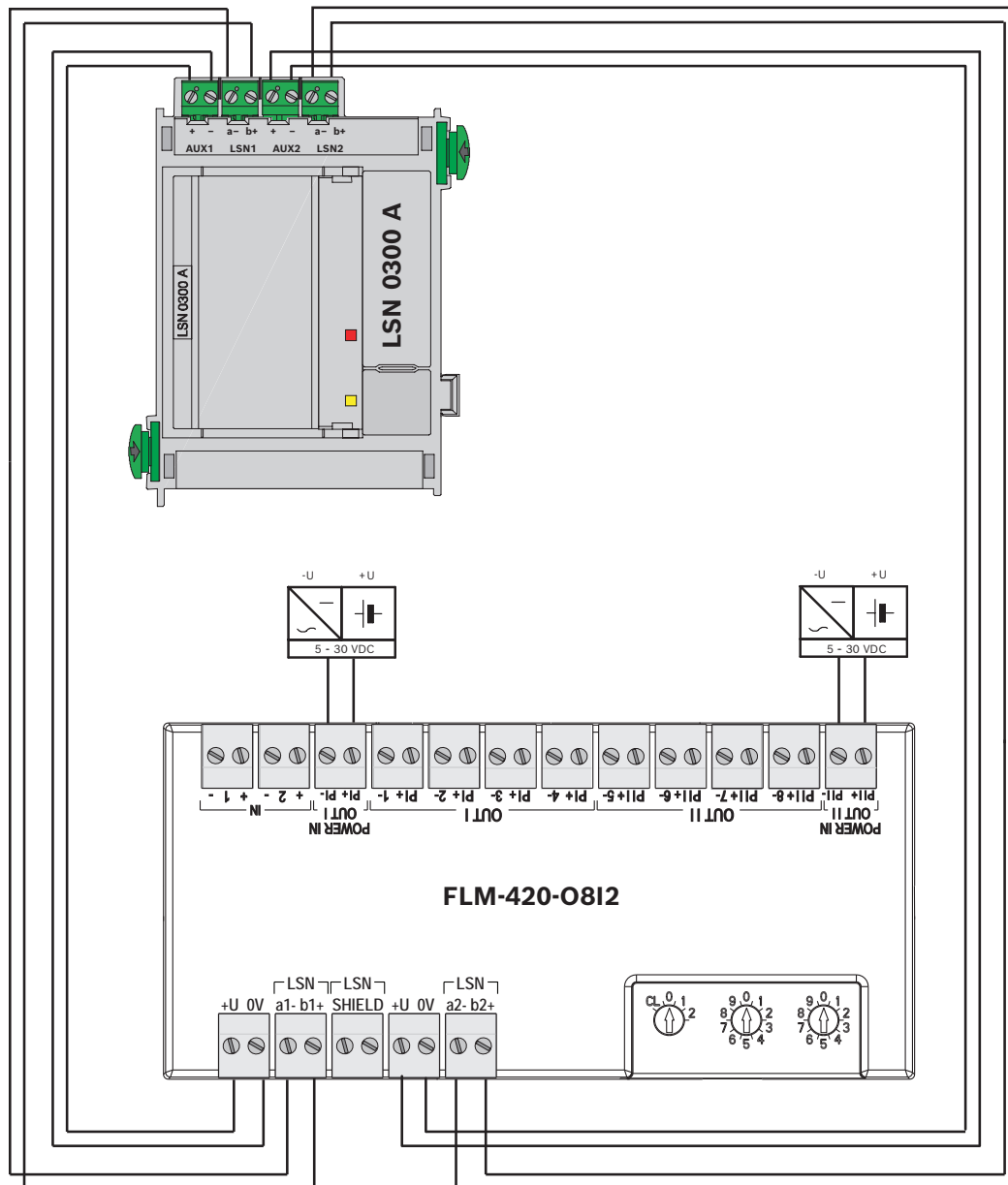
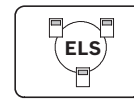
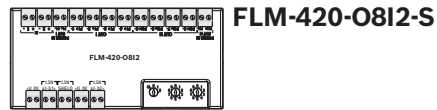
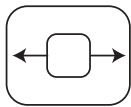


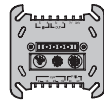
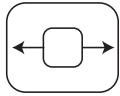




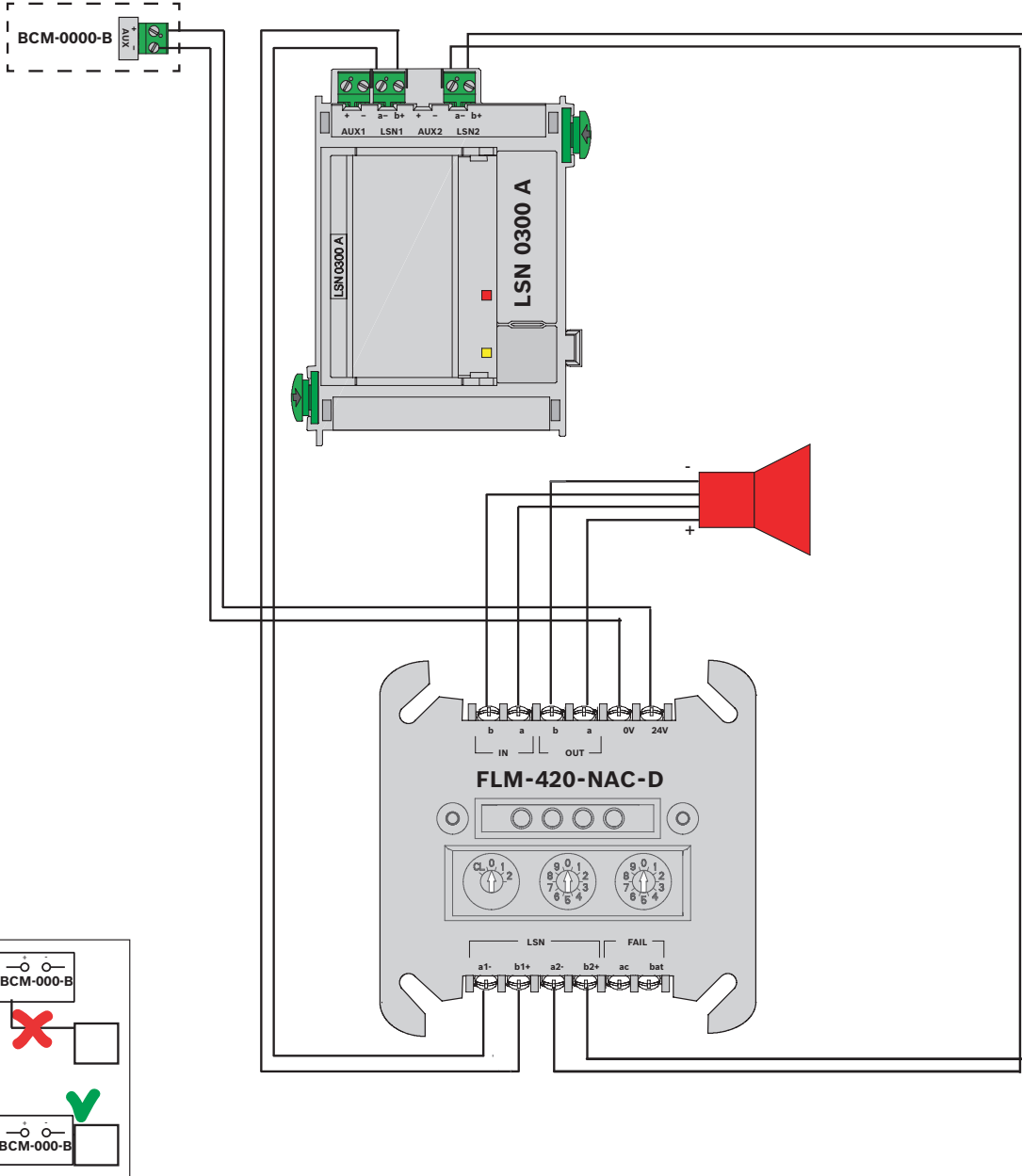
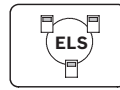
FLM-420-0812-S

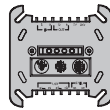
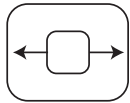




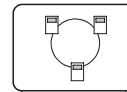


FLM-420-NAC-D/S

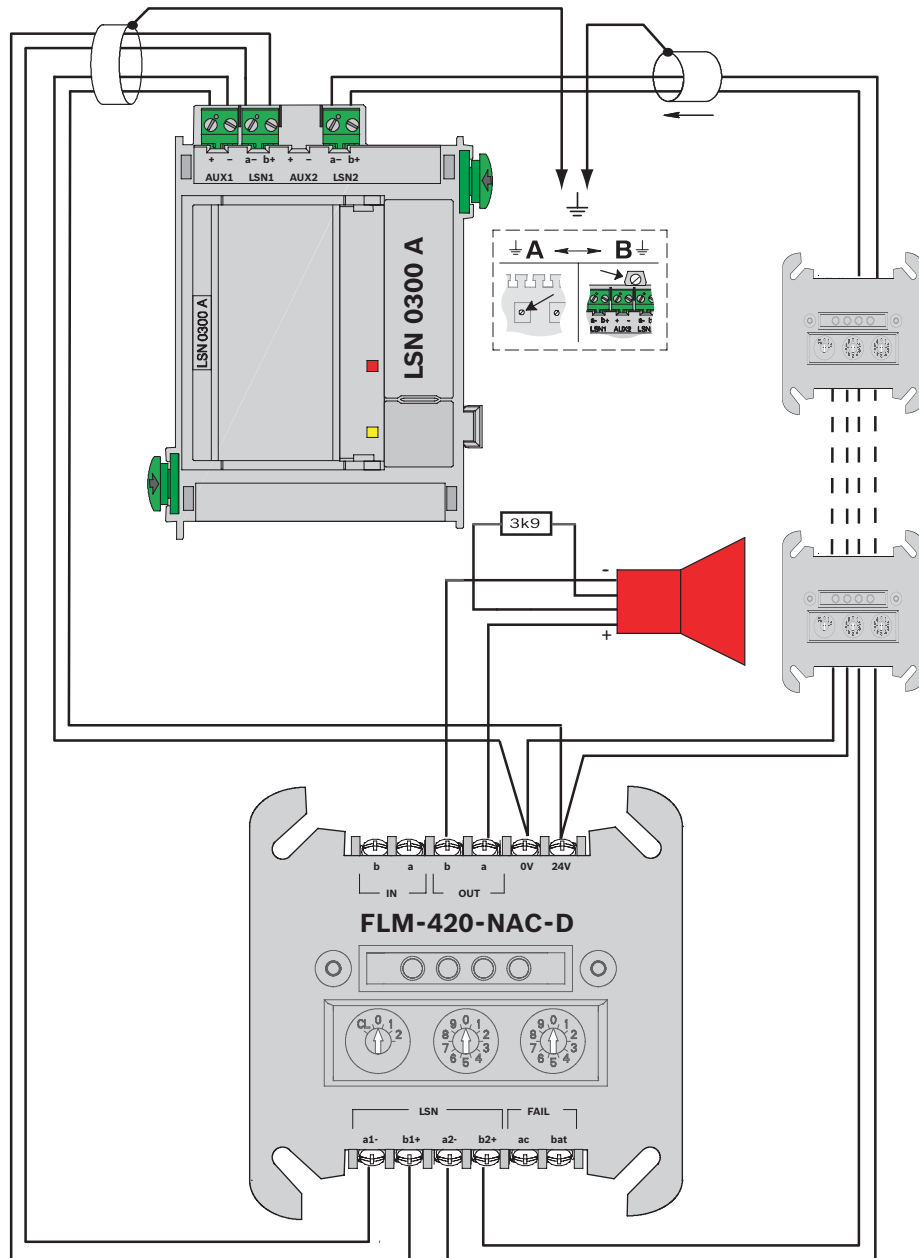


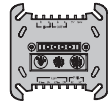
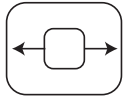


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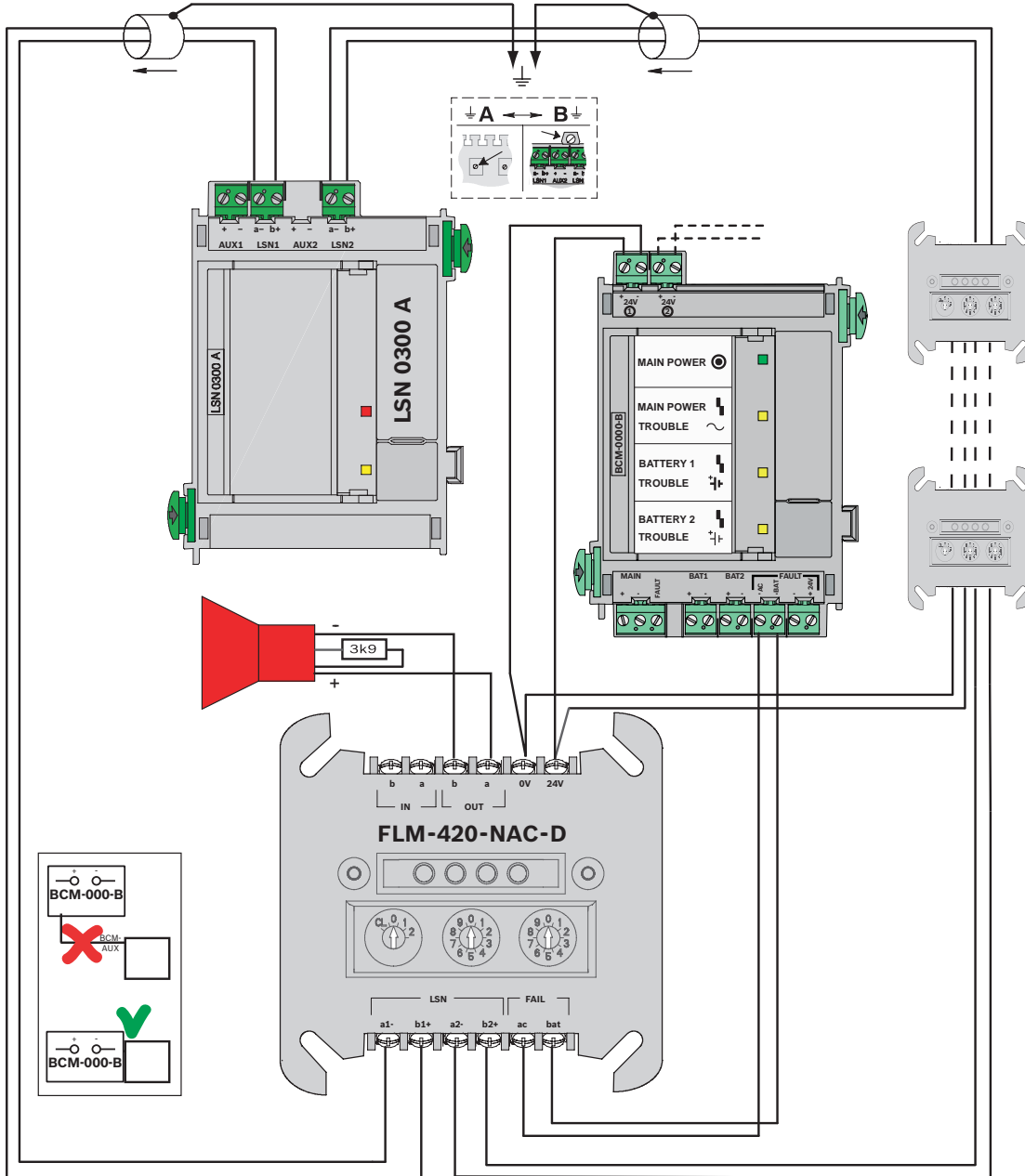
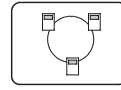


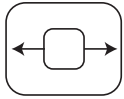
EN 54-2



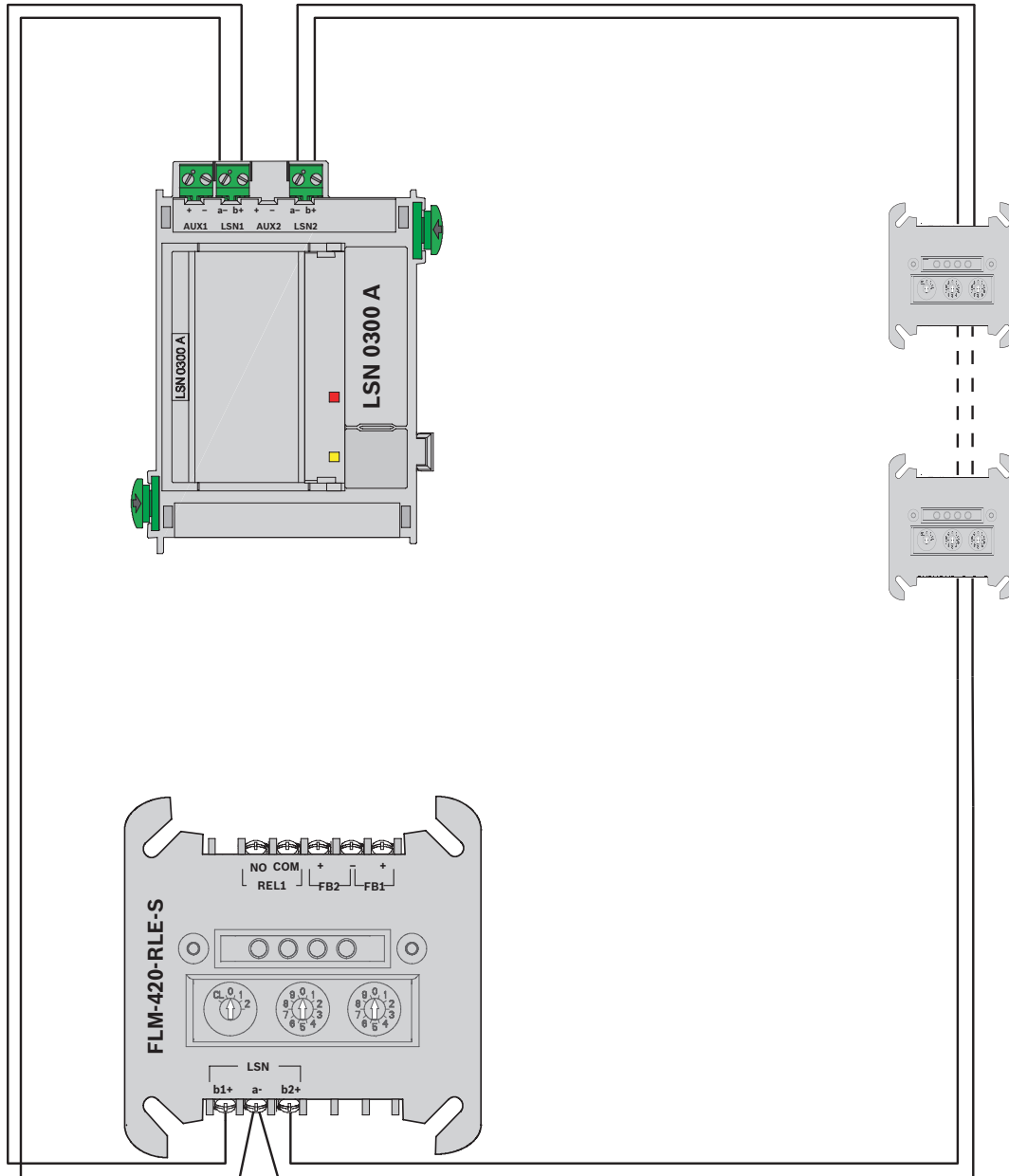
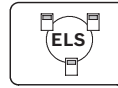


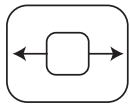
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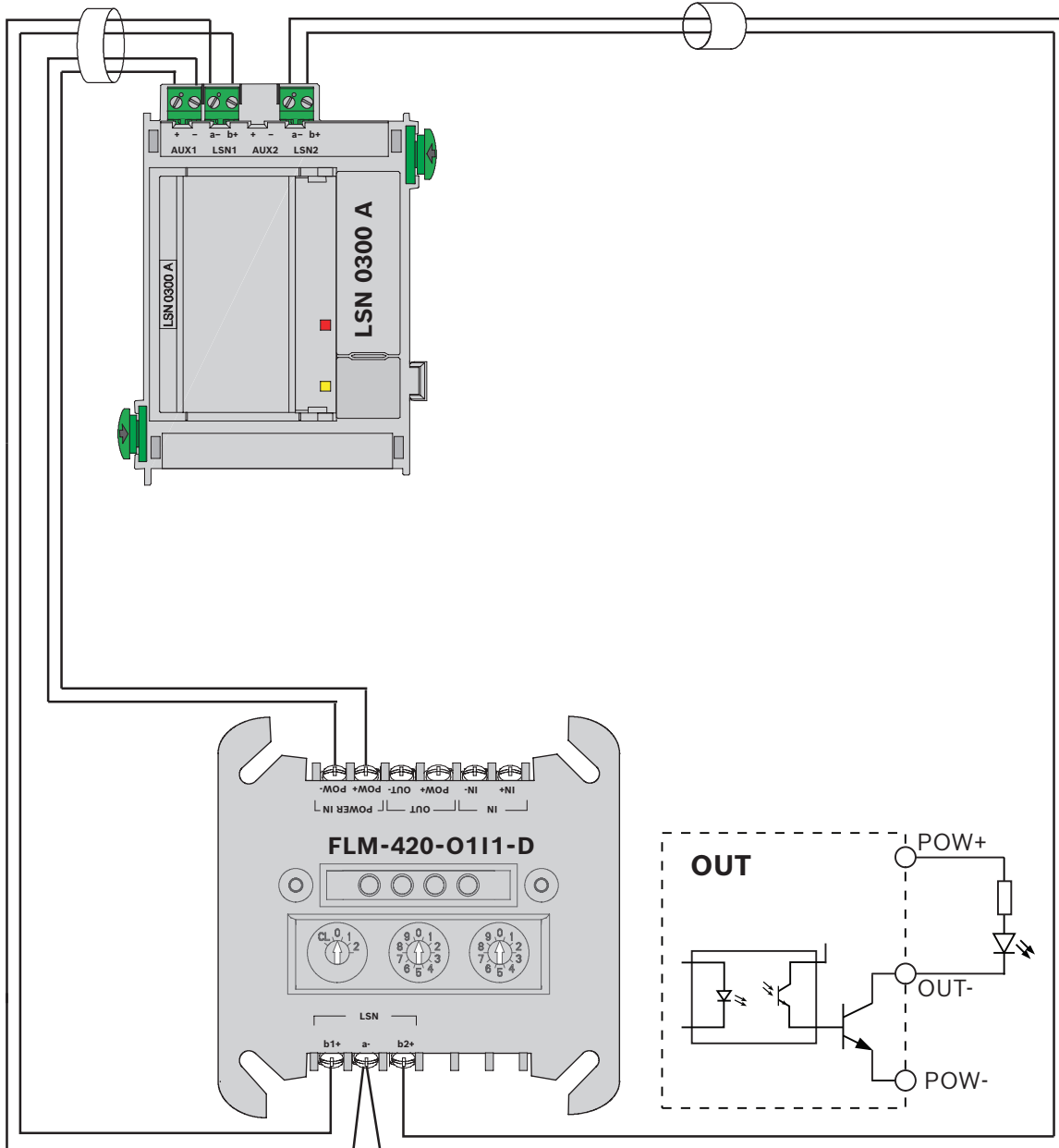
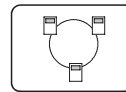


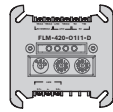
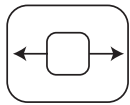
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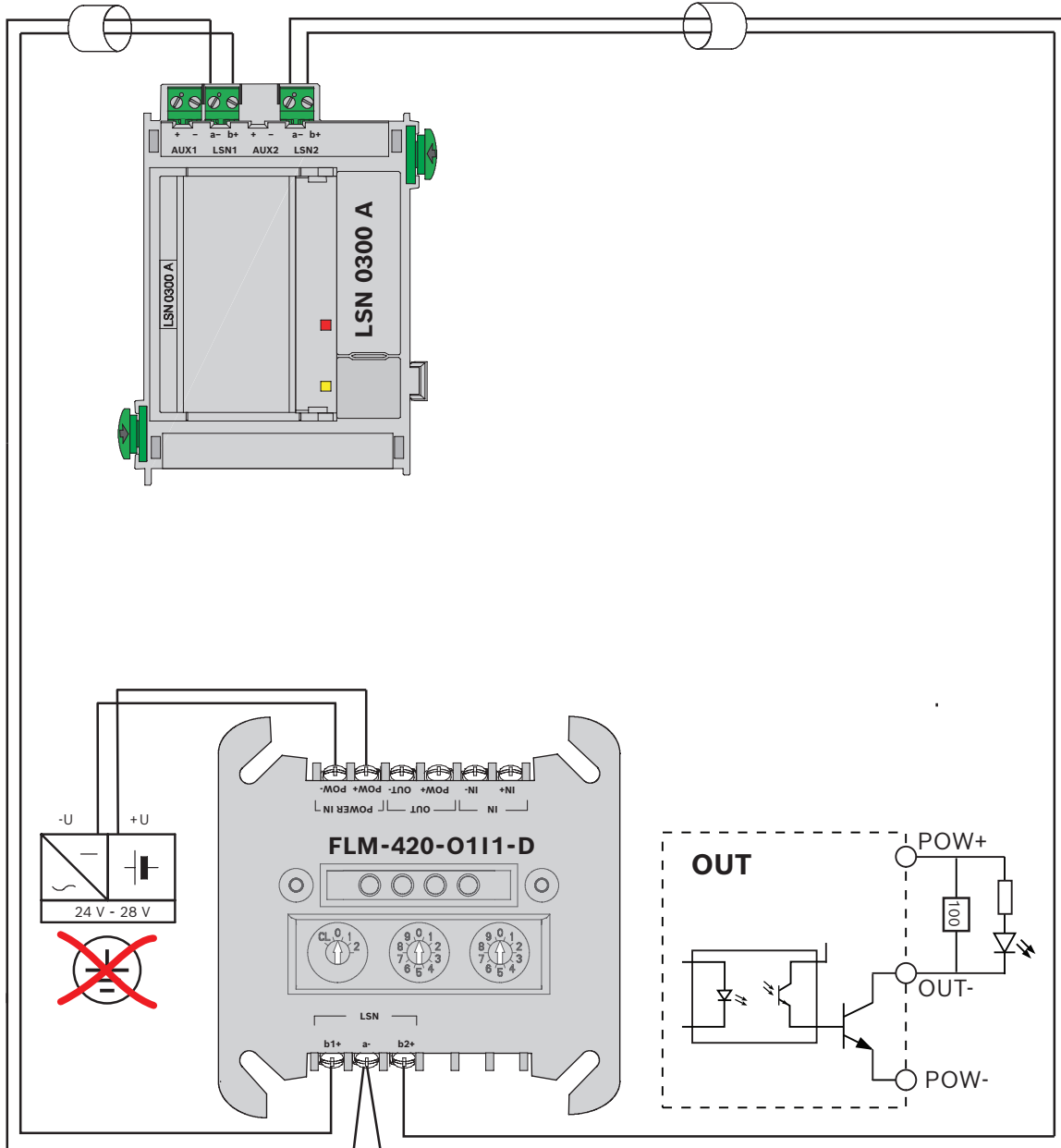
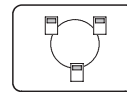


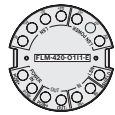
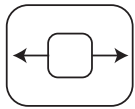
FLM-420-O111-D



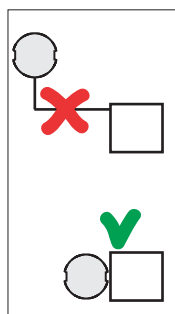
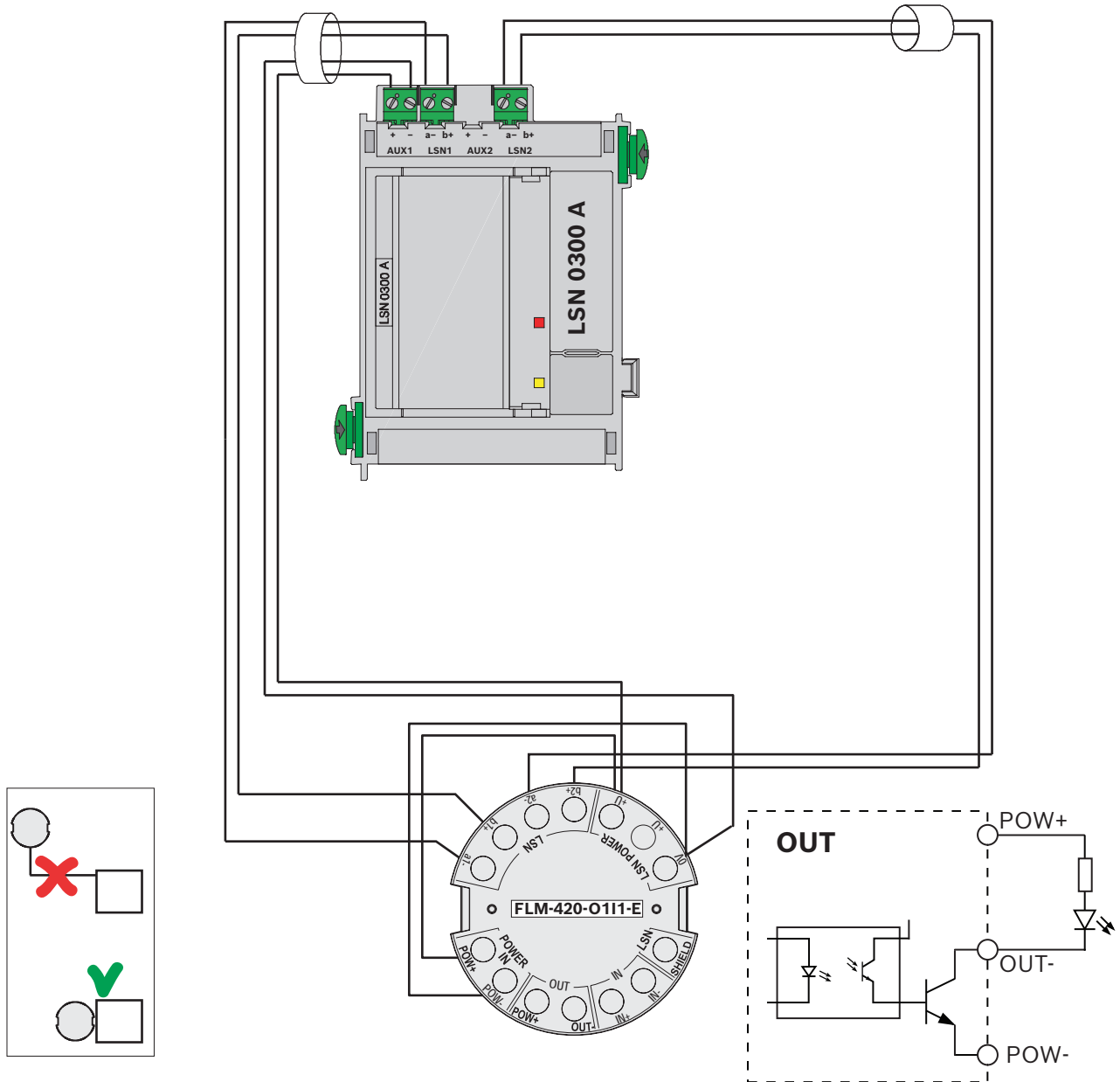
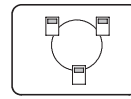


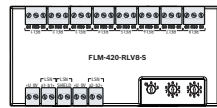
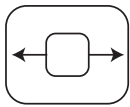
FLM-420-O111-D



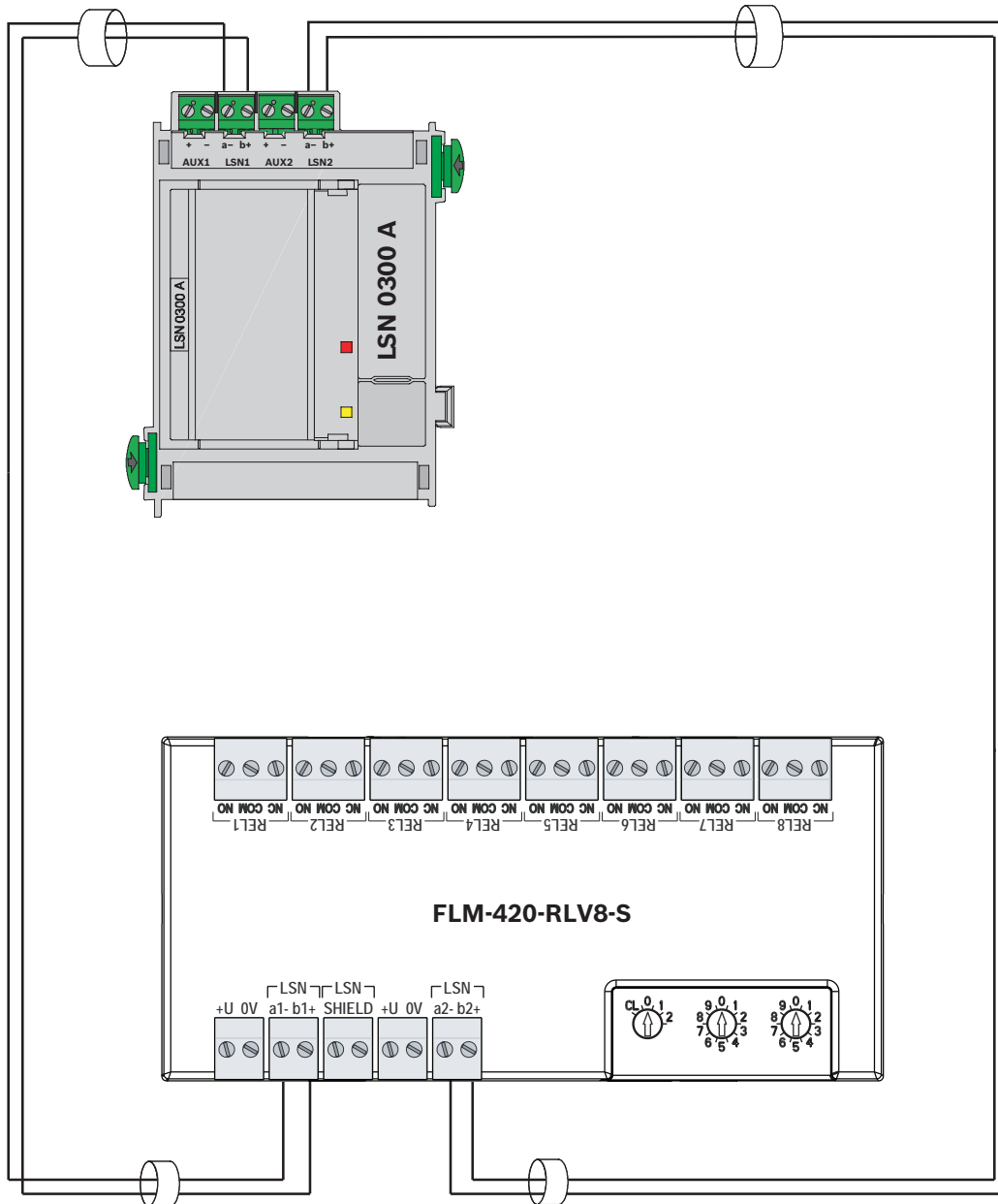
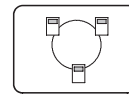


FLM-420-O111-E



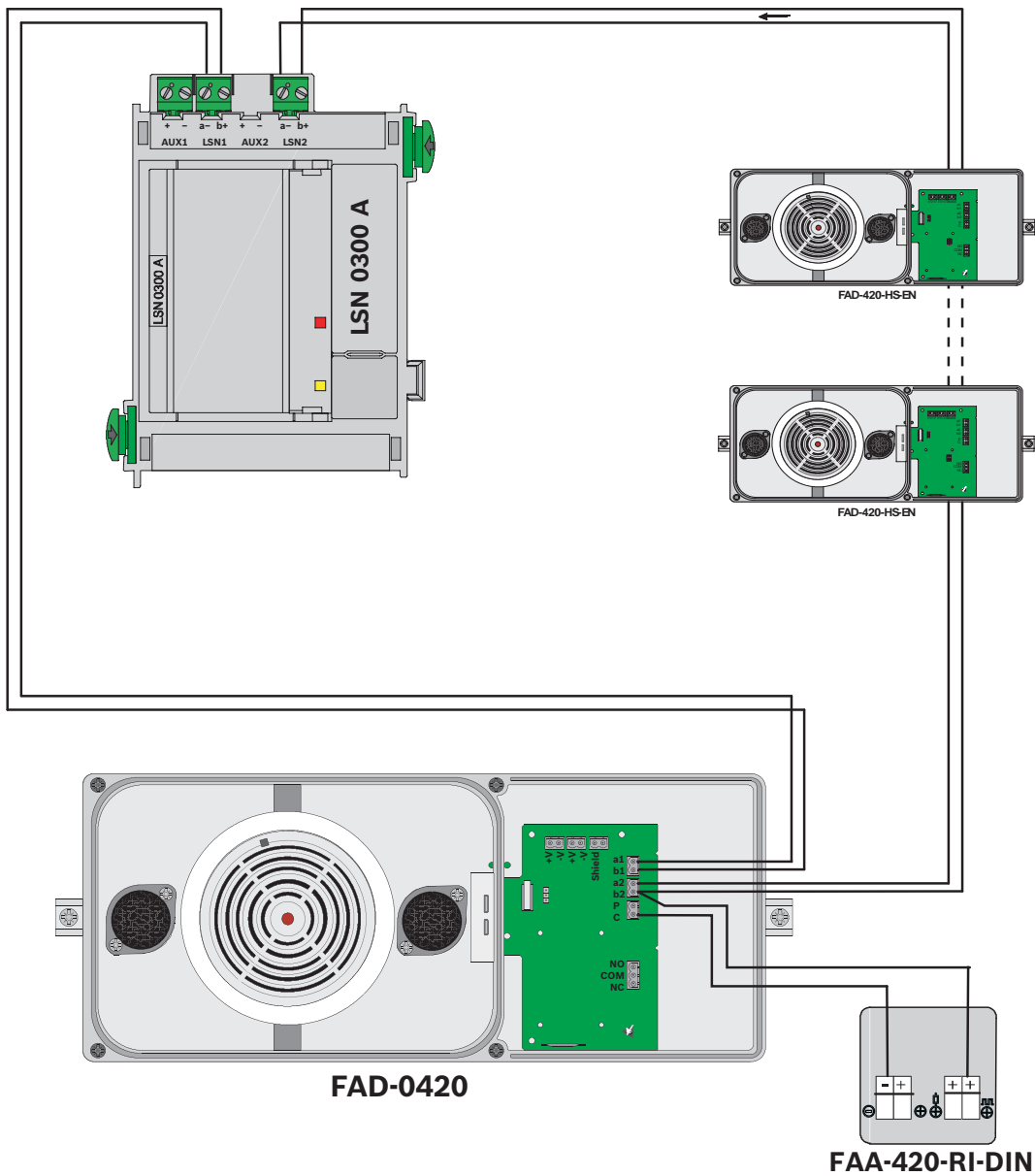


FLM-420-RLV8-S



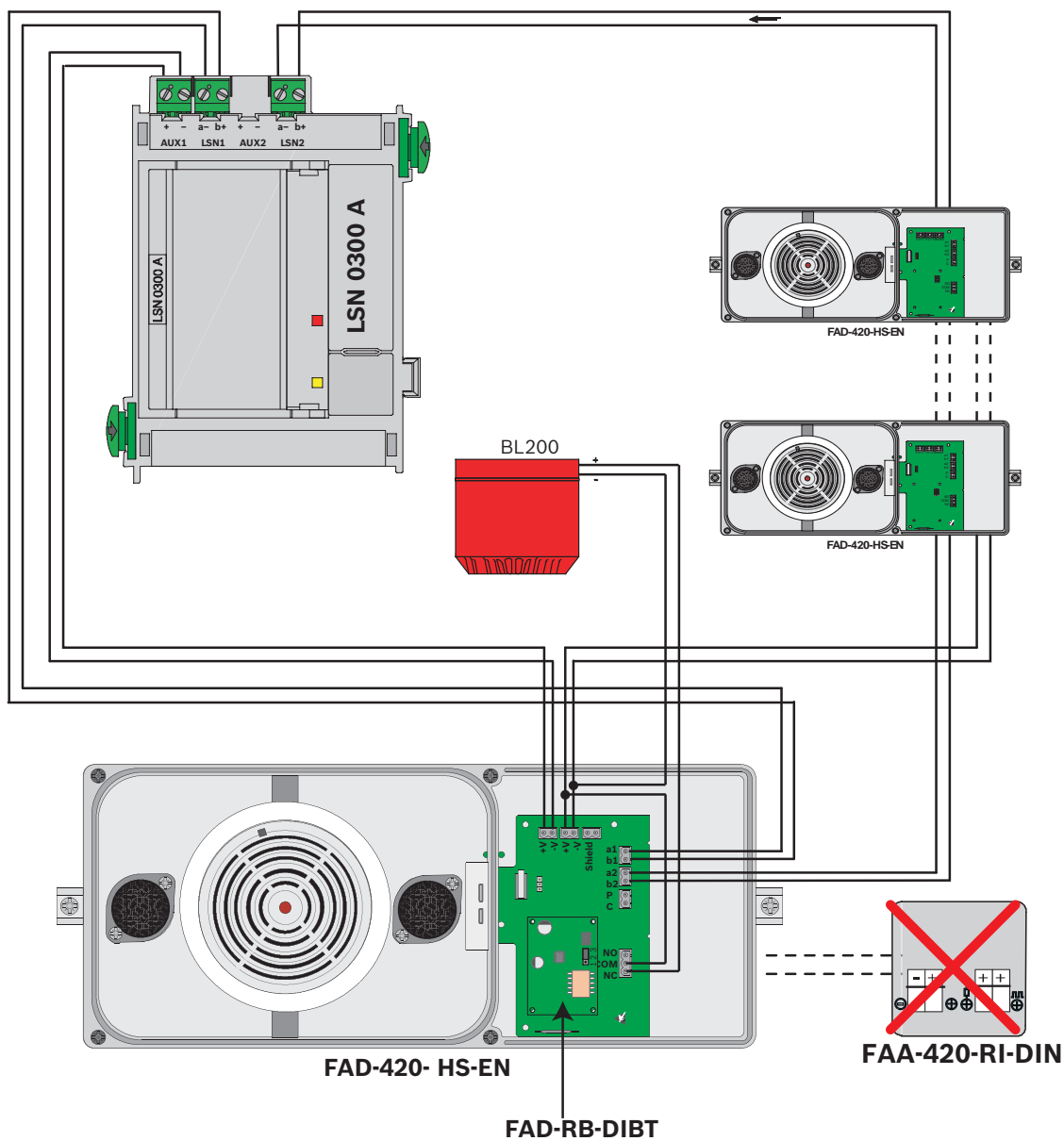


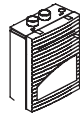
FAD-0420



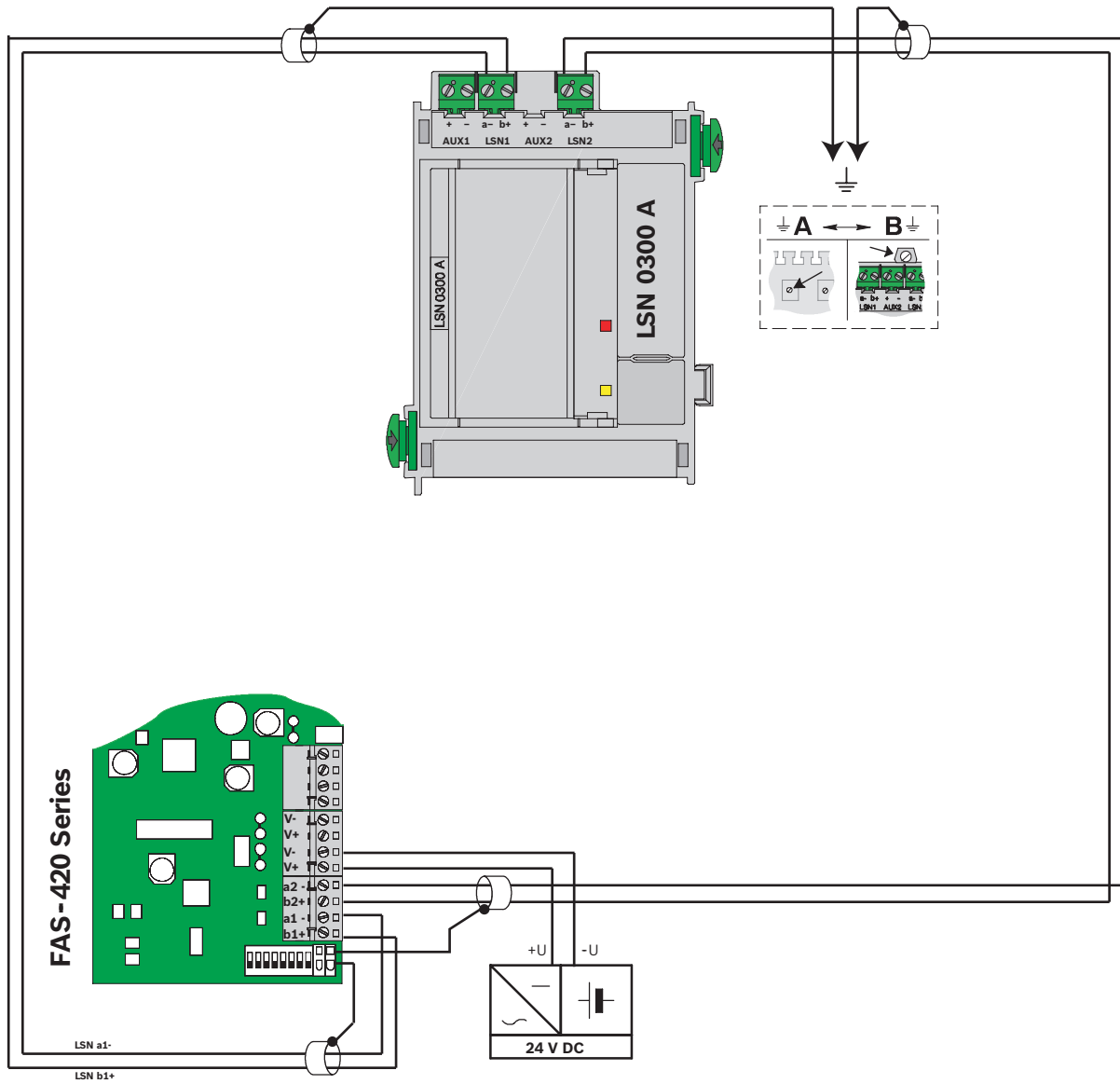


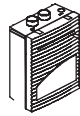
FAD-420-HS-EN



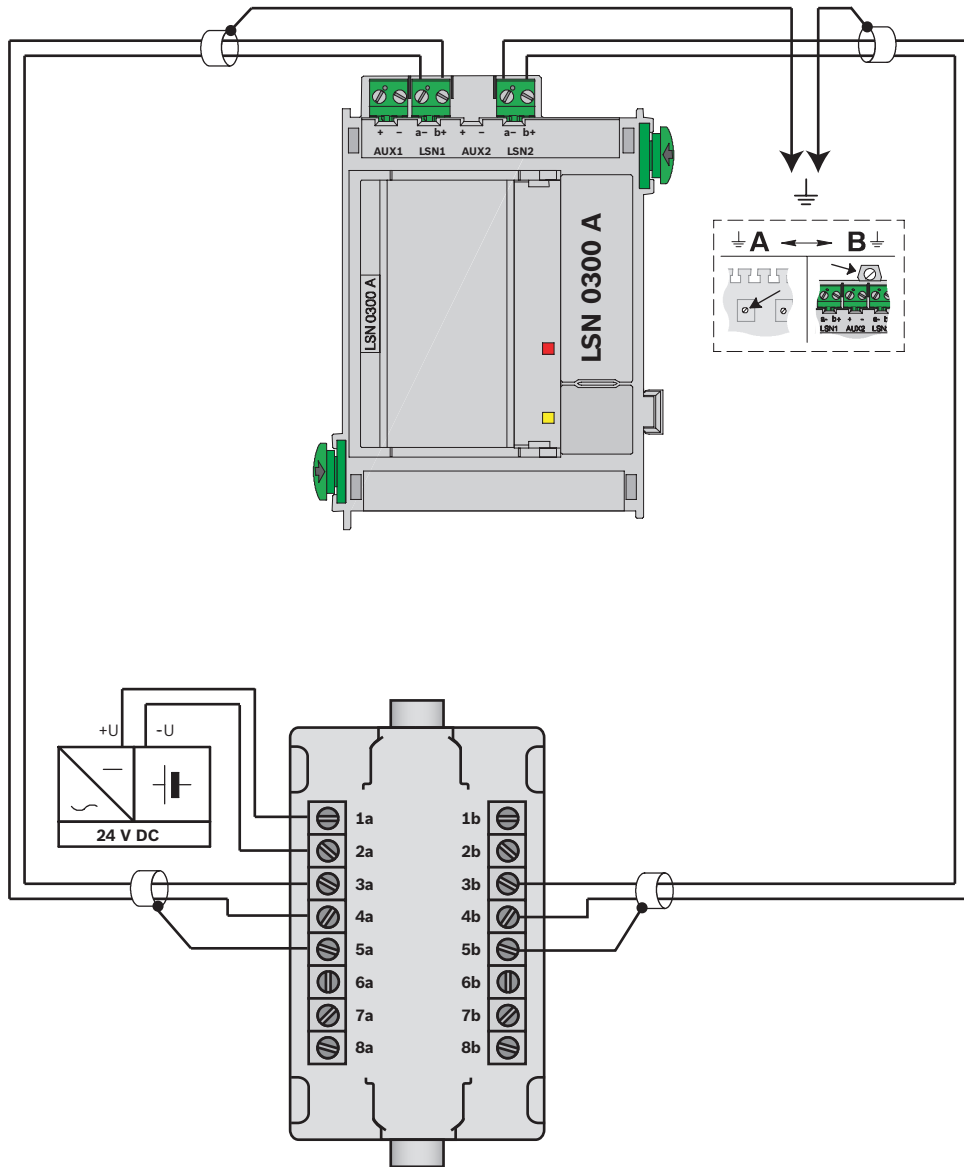


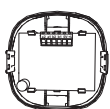
FAS-420 Series



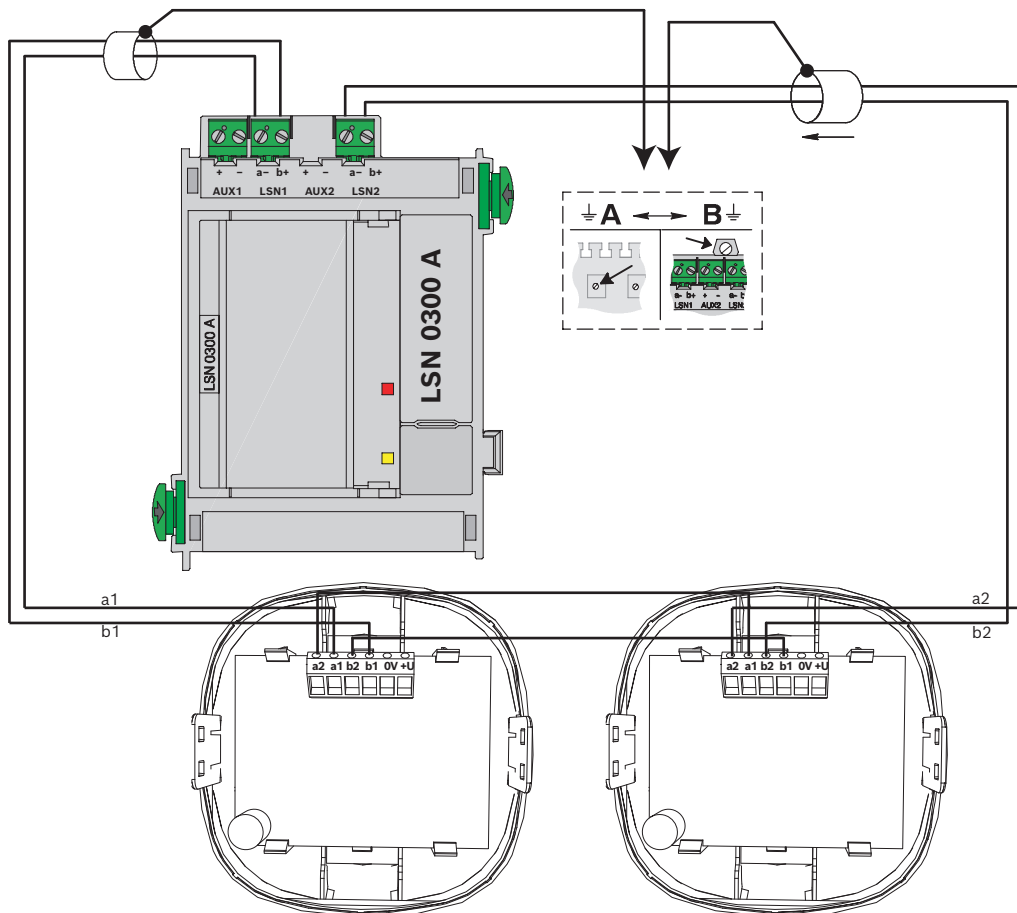
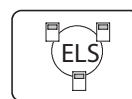


FAS-420-TM Series





FNM-420-A / -B
FNM-420U-A / -B
FNM-420V-A

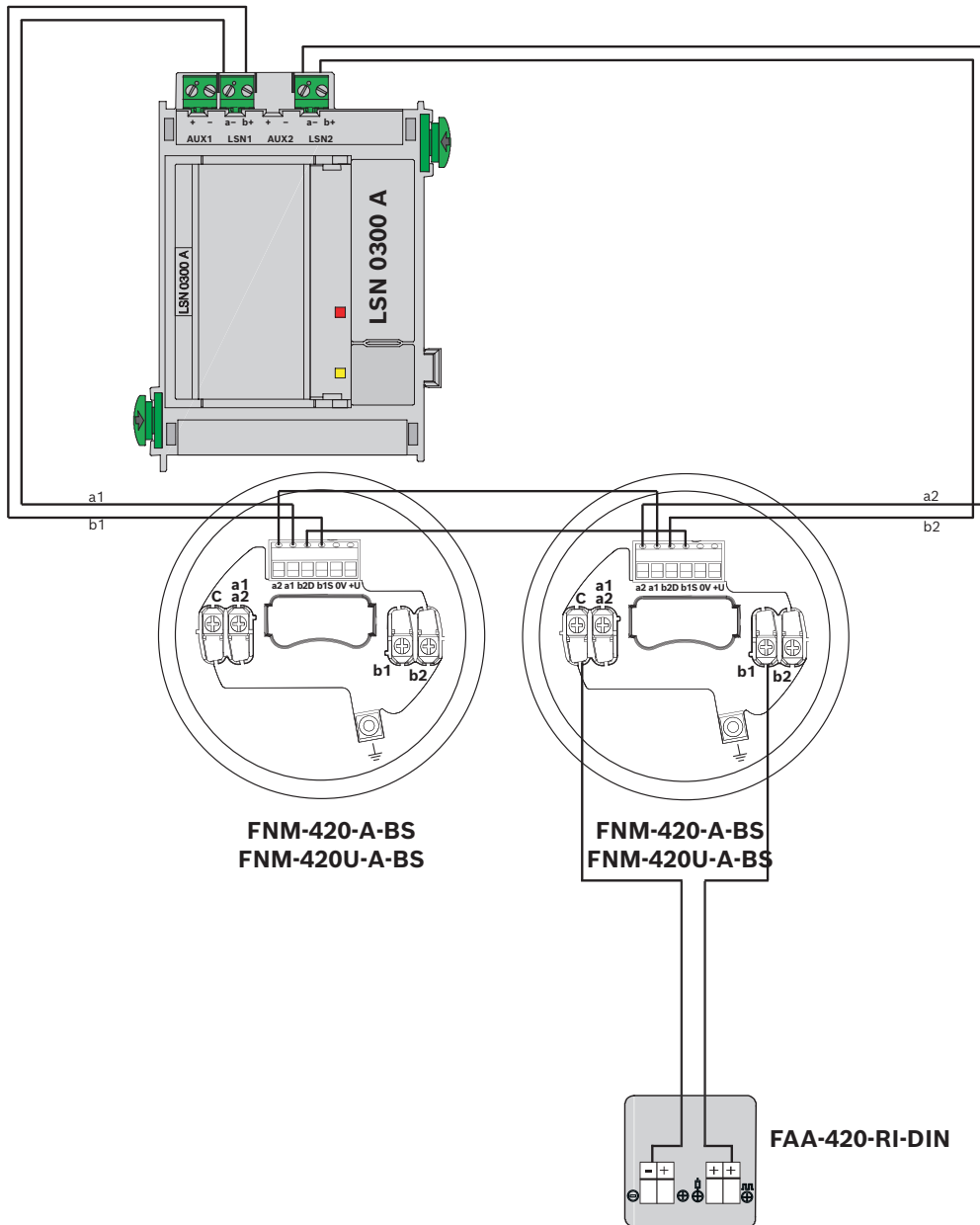
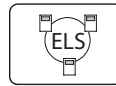


FNM-420-A/-B
FNM-420U-A/-B
FNM-420V-A

FNM-420-A/-B
FNM-420U-A/B
FNM-420V-A



FNM-420-A-BS
FNM-420U-A-BS



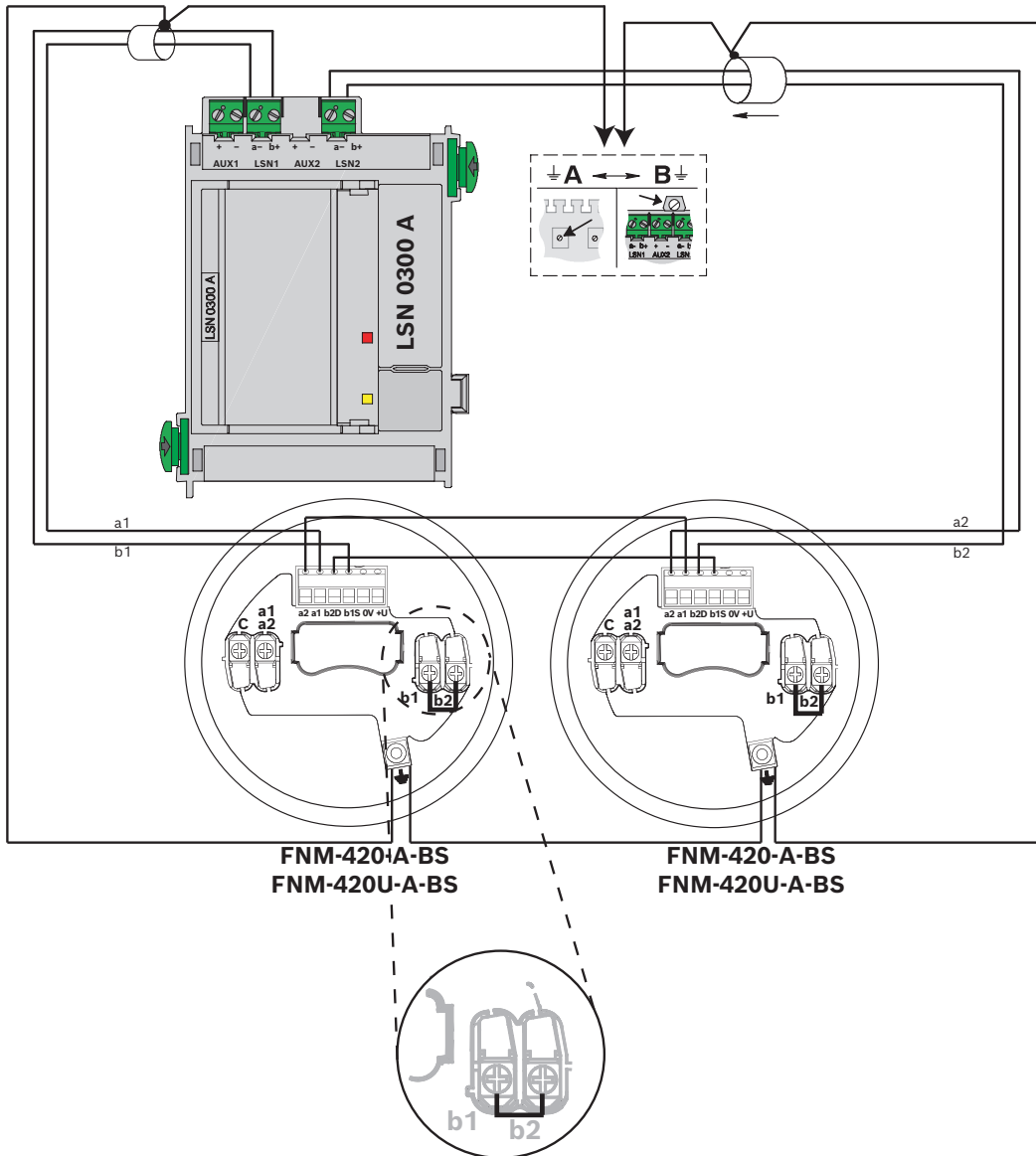
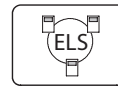
FNM-420-A-BS
FNM-420U-A-BS

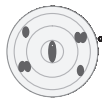
FNM-420-A-BS
FNM-420U-A-BS

FAA-420-RI-DIN

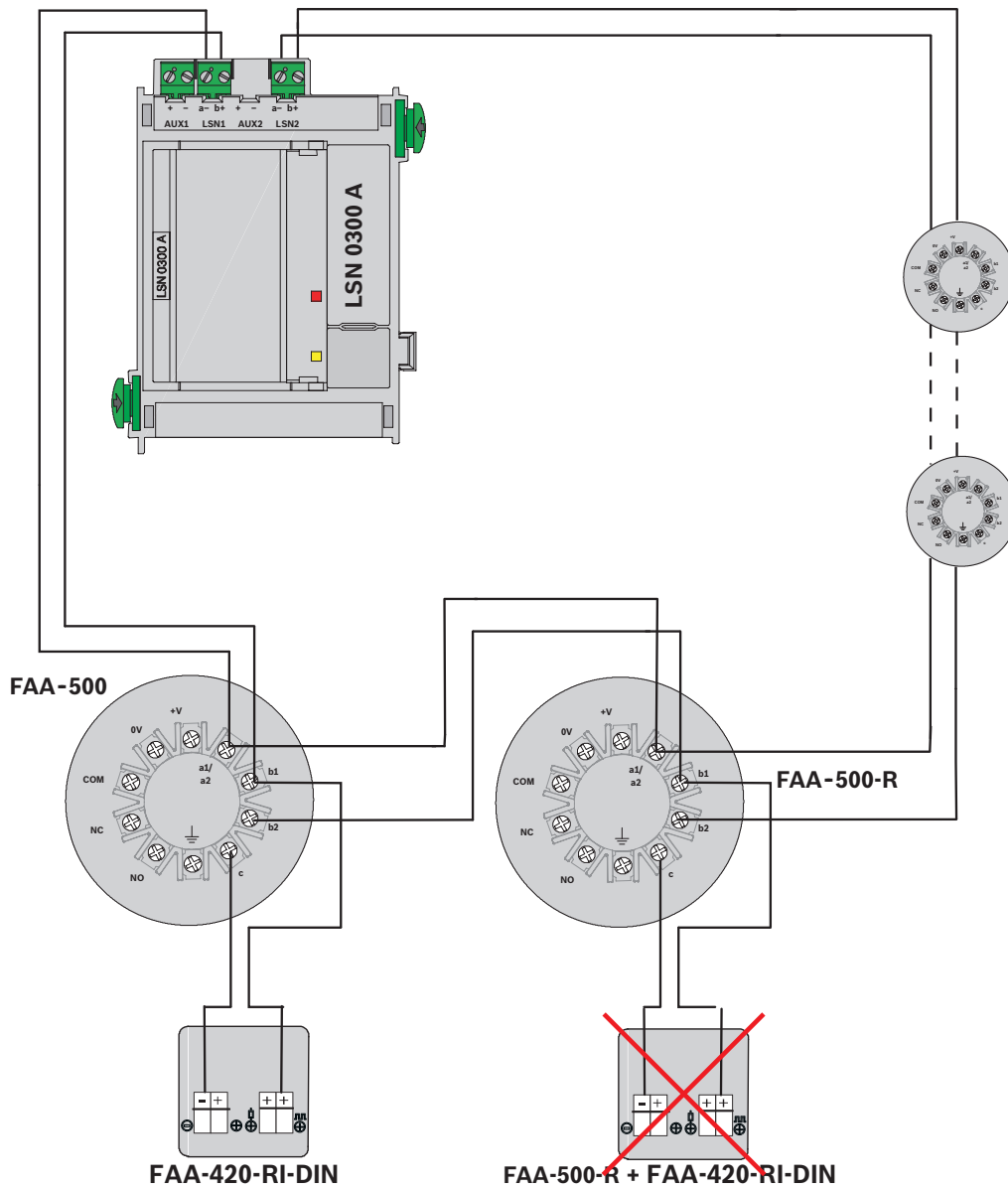
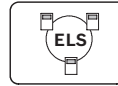


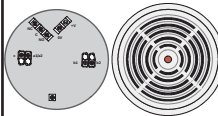
FNM-420-A-BS
FNM-420U-A-BS



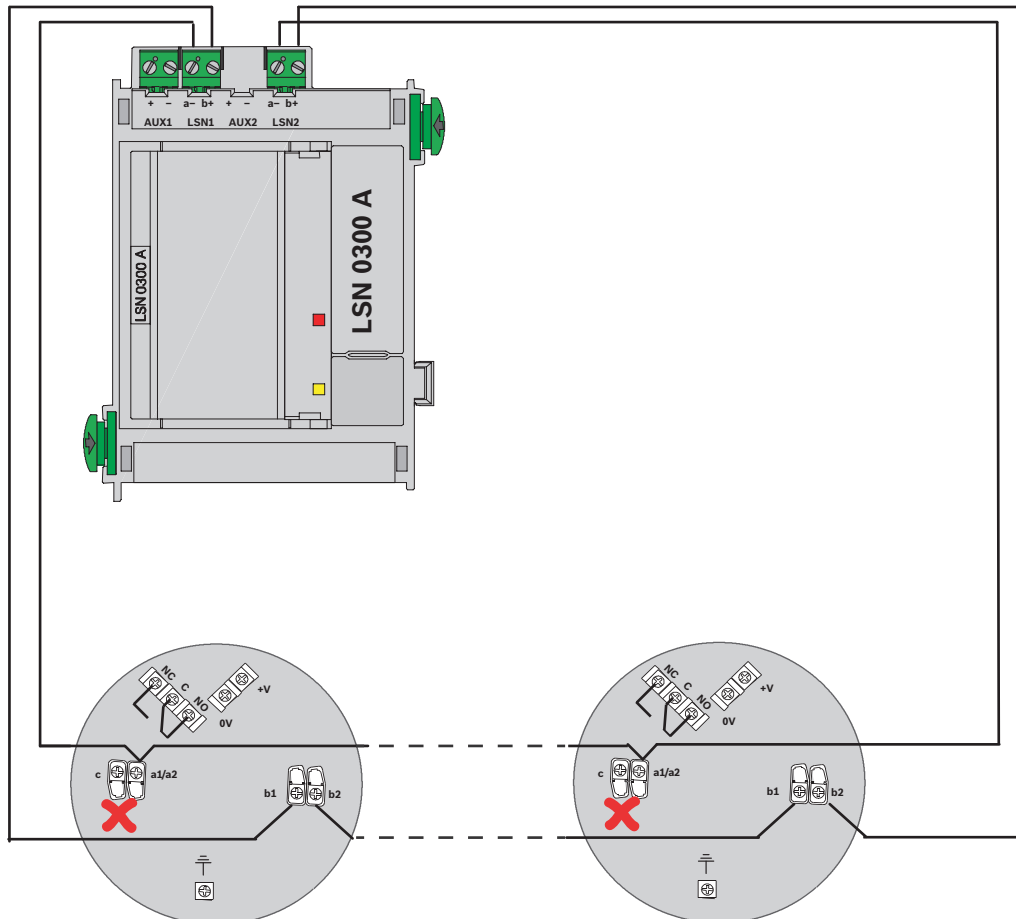
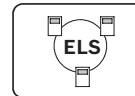


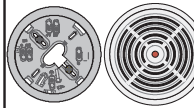
FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P



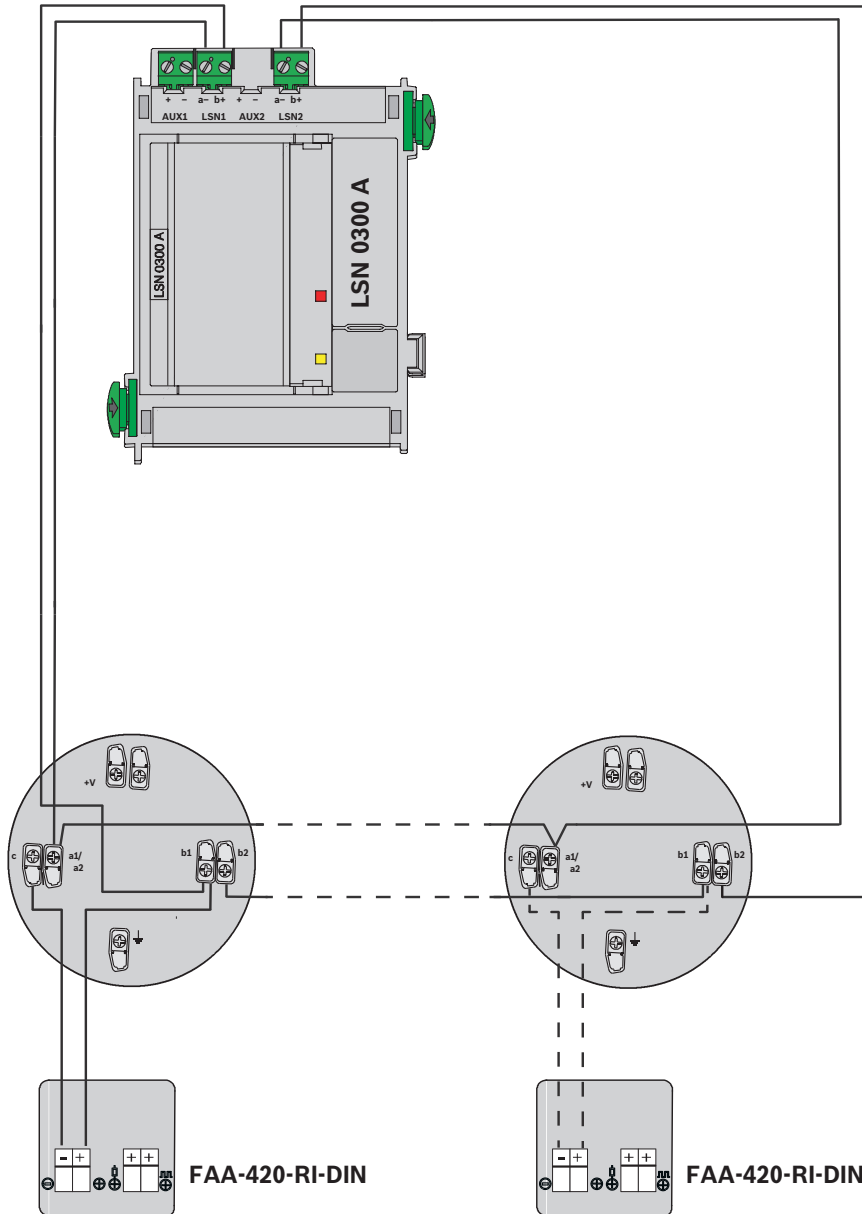
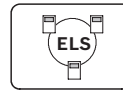


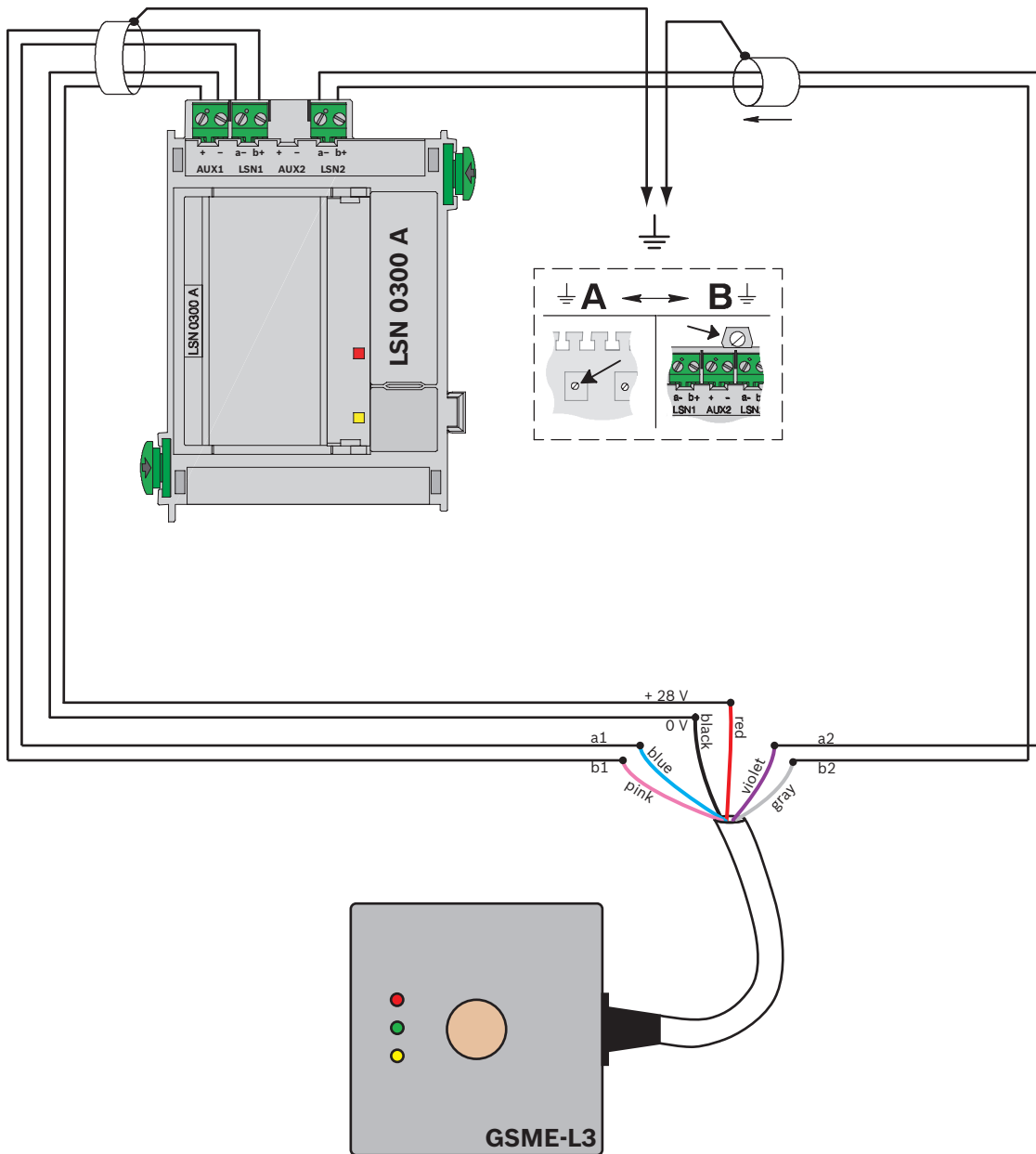
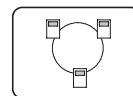
FAA-MSR-420
FAP-425-O, FAP-425-O-R
FAP-425-OT, FAP-425-OT-R
FAP-425-T-R
FAP-425-DO-R, FAP-425-DOT-R
FAP-425-DOTC-R, FAP-425-DOTCO-R

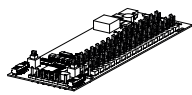




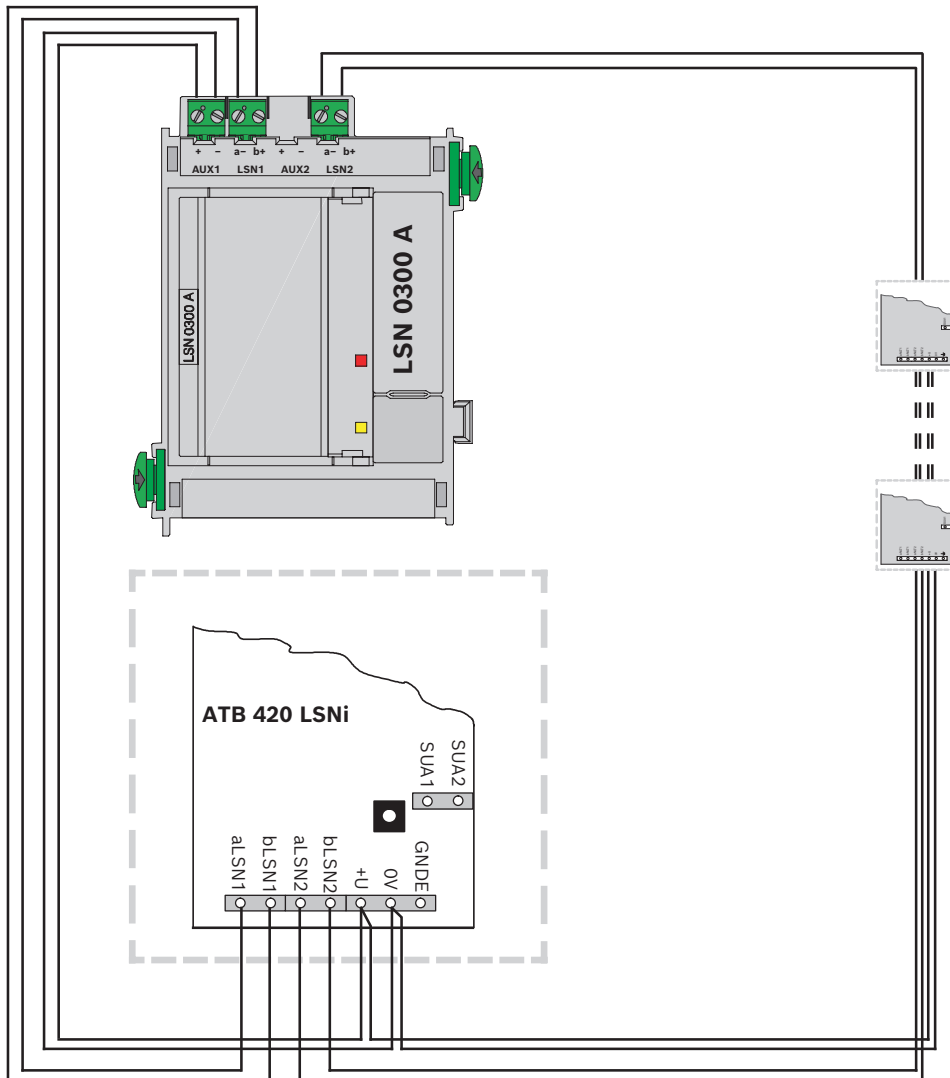
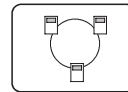
MS 400, MS 400 B
 FAP-425-O, FAP-425-O-R
 FAP-425-OT, FAP-425-OT-R
 FAP-425-T-R
 FAP-425-DO-R, FAP-425-DOT-R
 FAP-425-DOTC-R, FAP-425-DOTCO-R





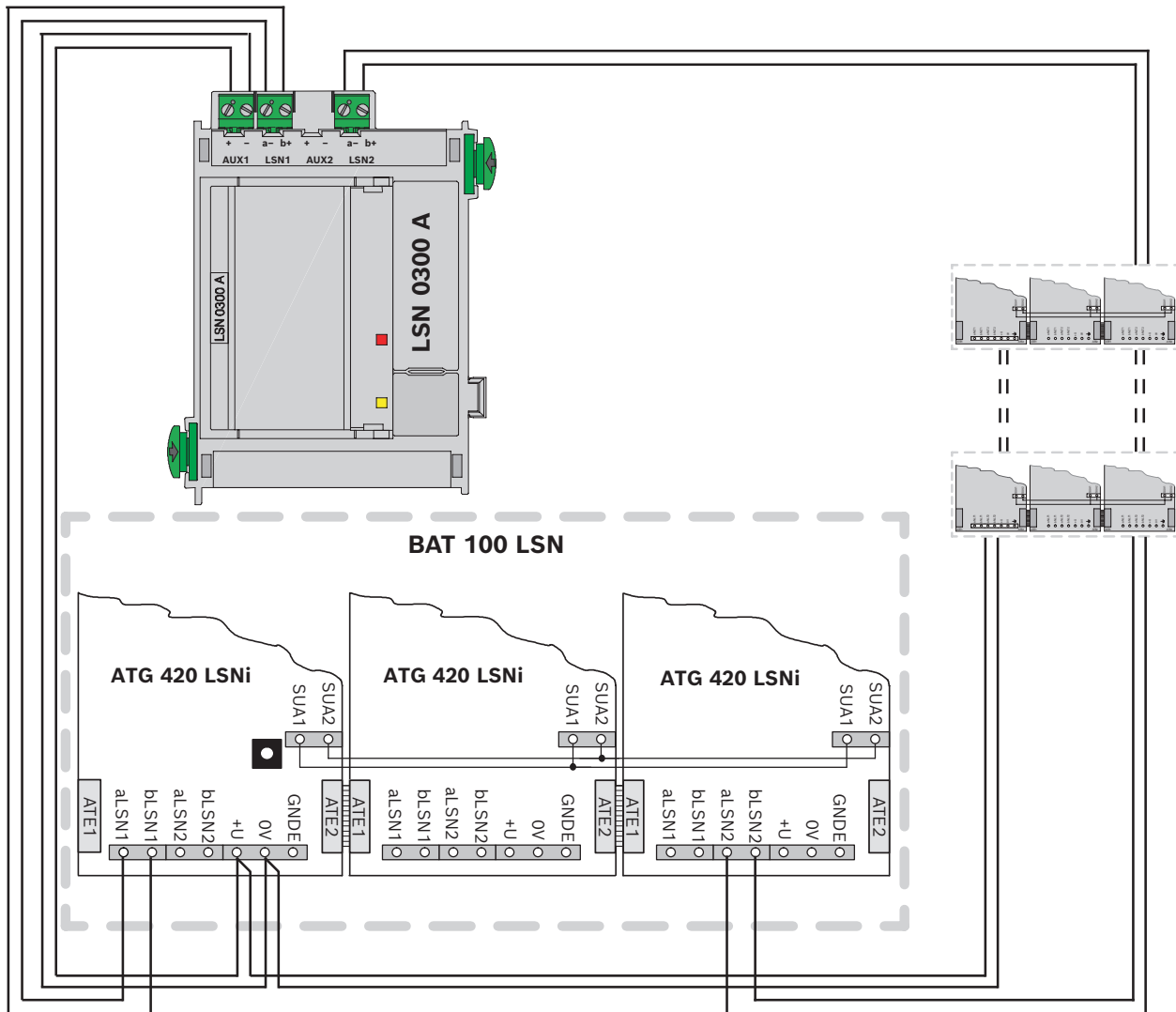
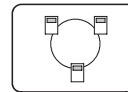


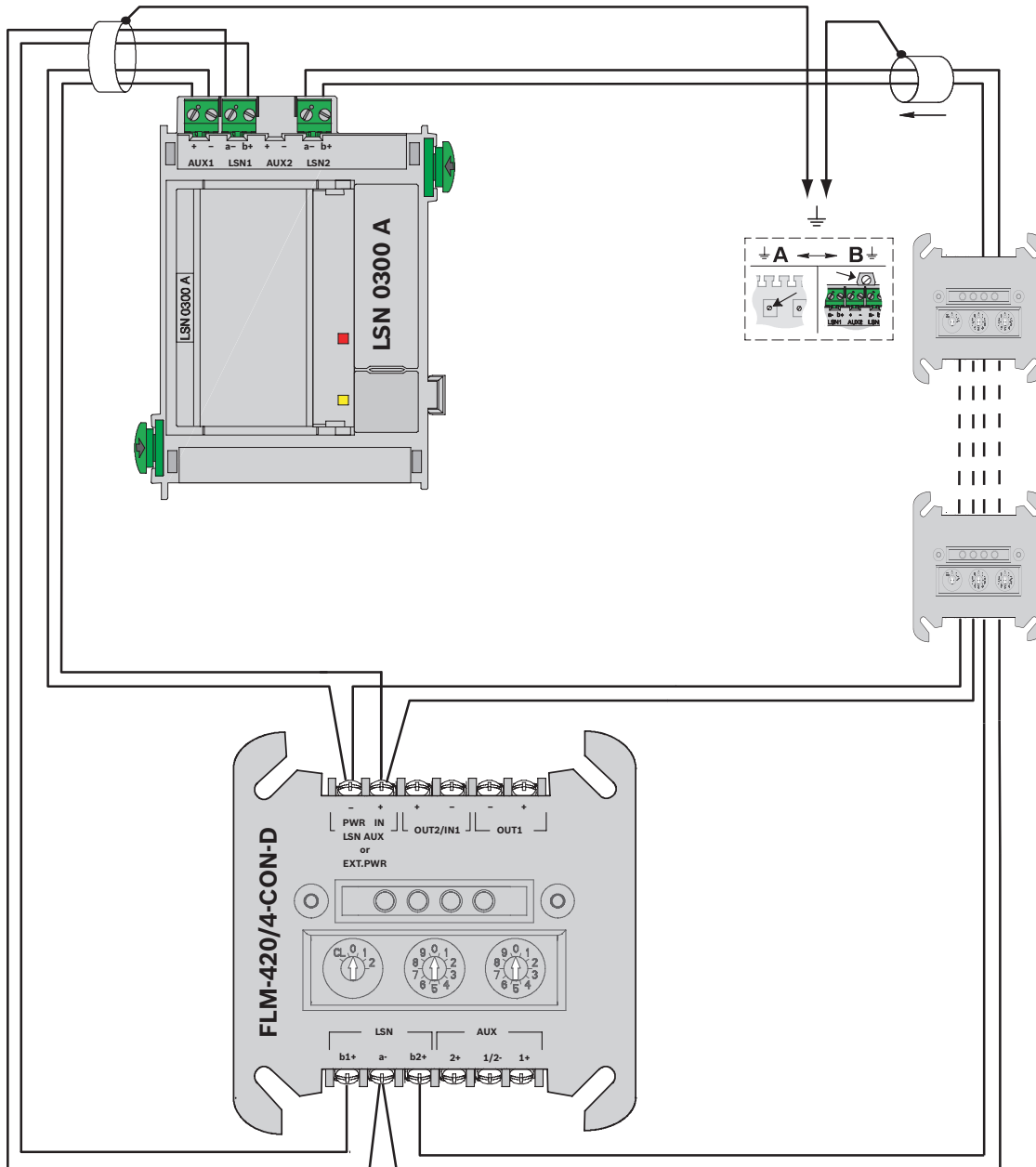
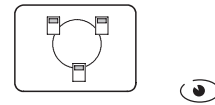
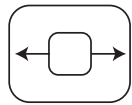
ATB 420 LSNi





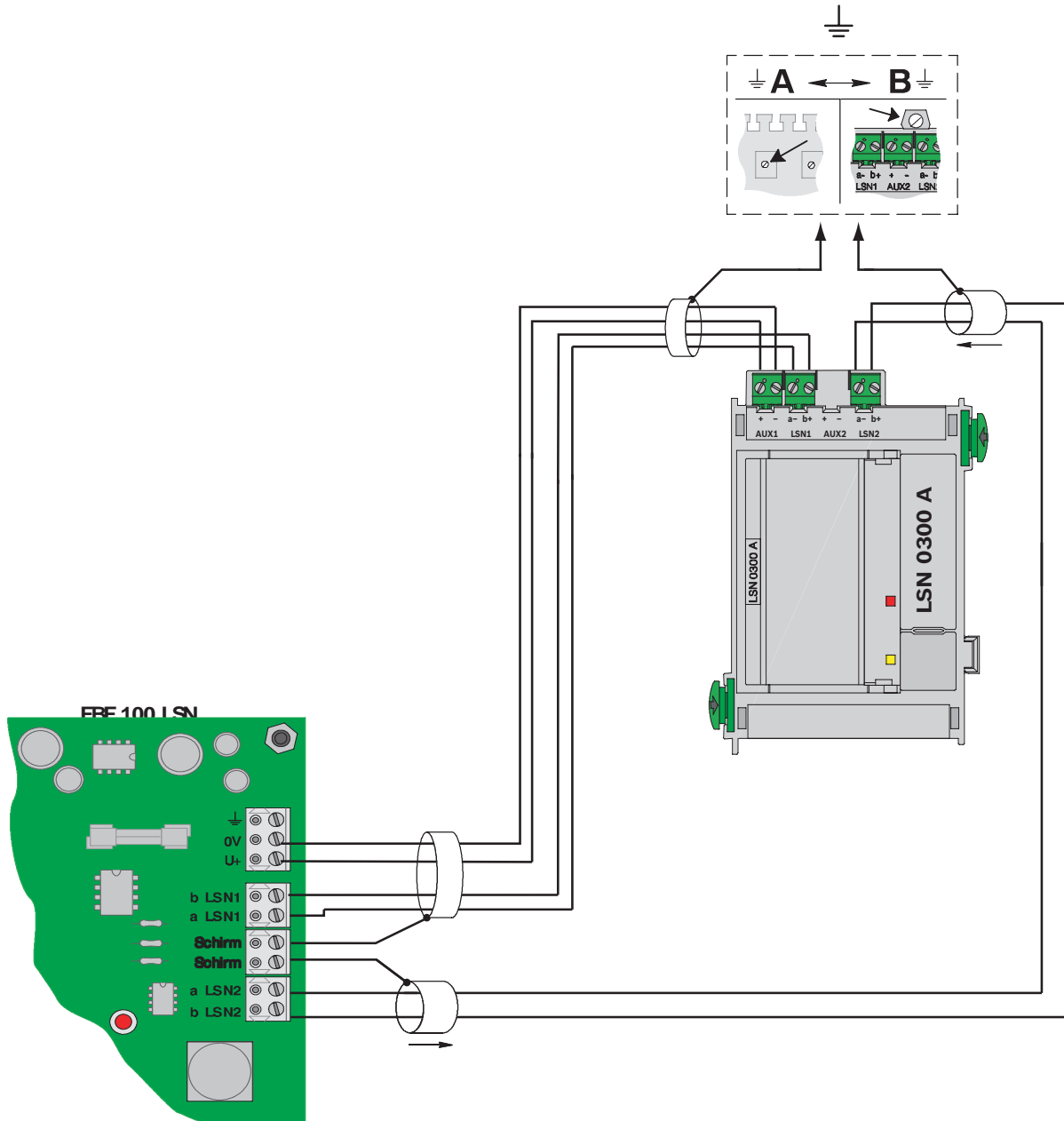
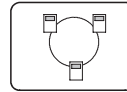
BAT 100 LSN
ATG 420 LSNi

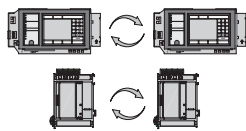




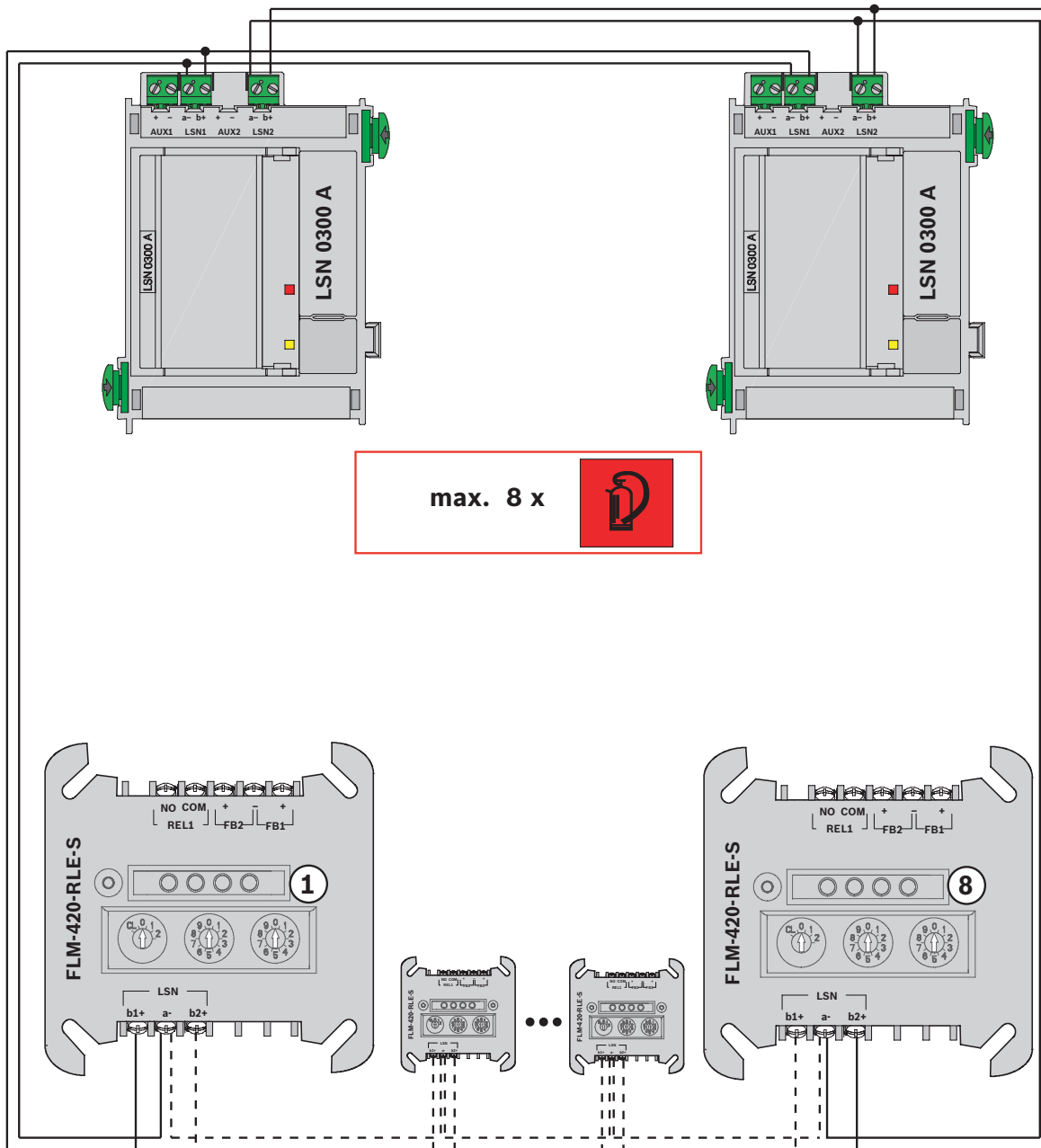
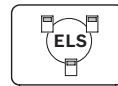


FBF 100 LSN



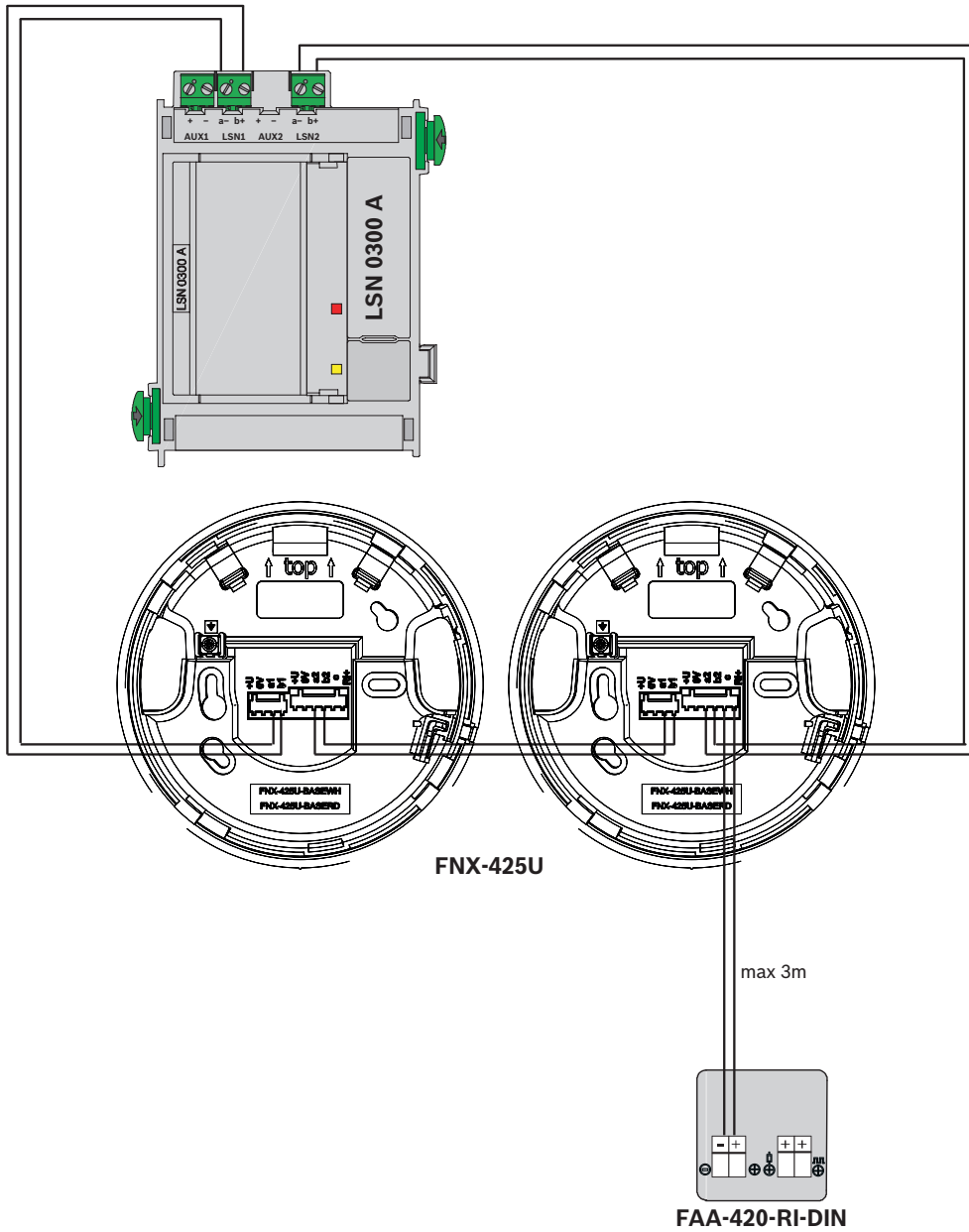
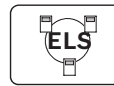


FLM-420-RLE-S





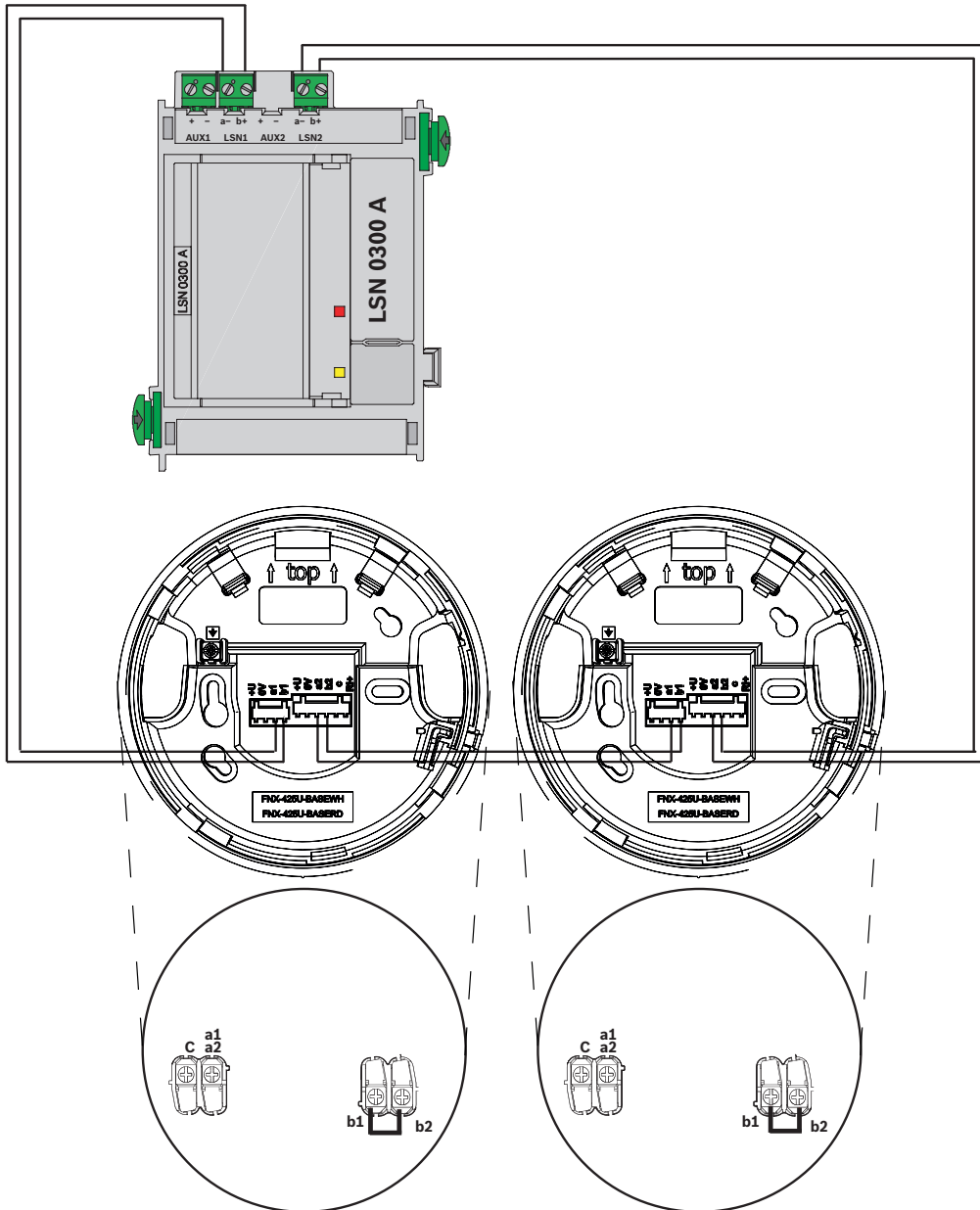
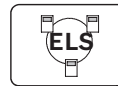
FNX-425U-WFWH
FNX-425U-RFWH
FNX-425U-WFRD
FNX-425U-RFRD

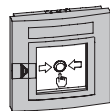
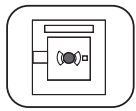




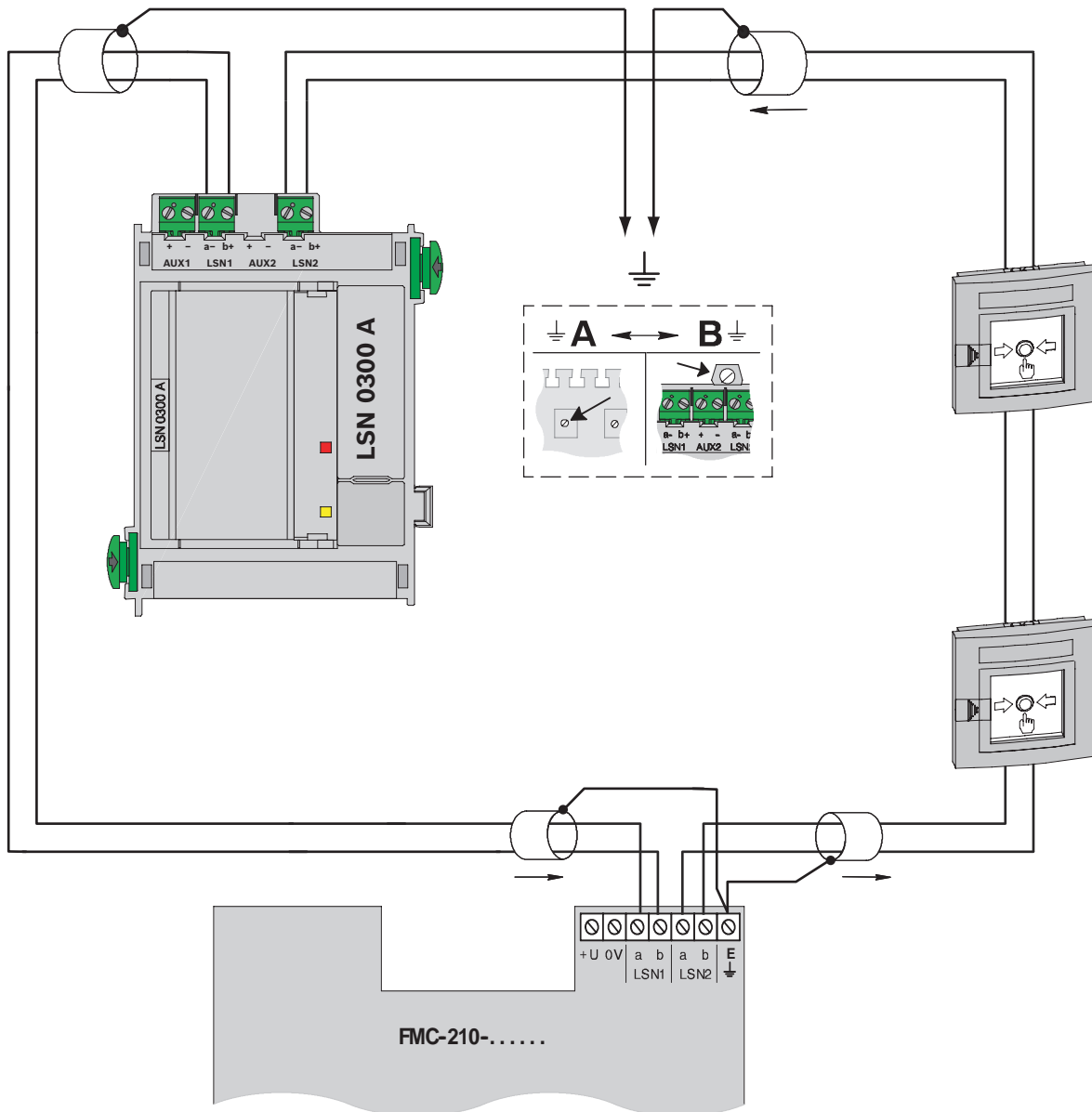
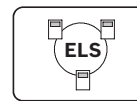
FNX-425U-WFWH
 FNX-425U-RFWH
 FNX-425U-WFRD
 FNX-425U-RFRD

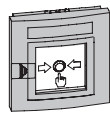
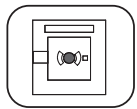
+ FNX-425U-COVWH
 + FNX-425U-COVRD



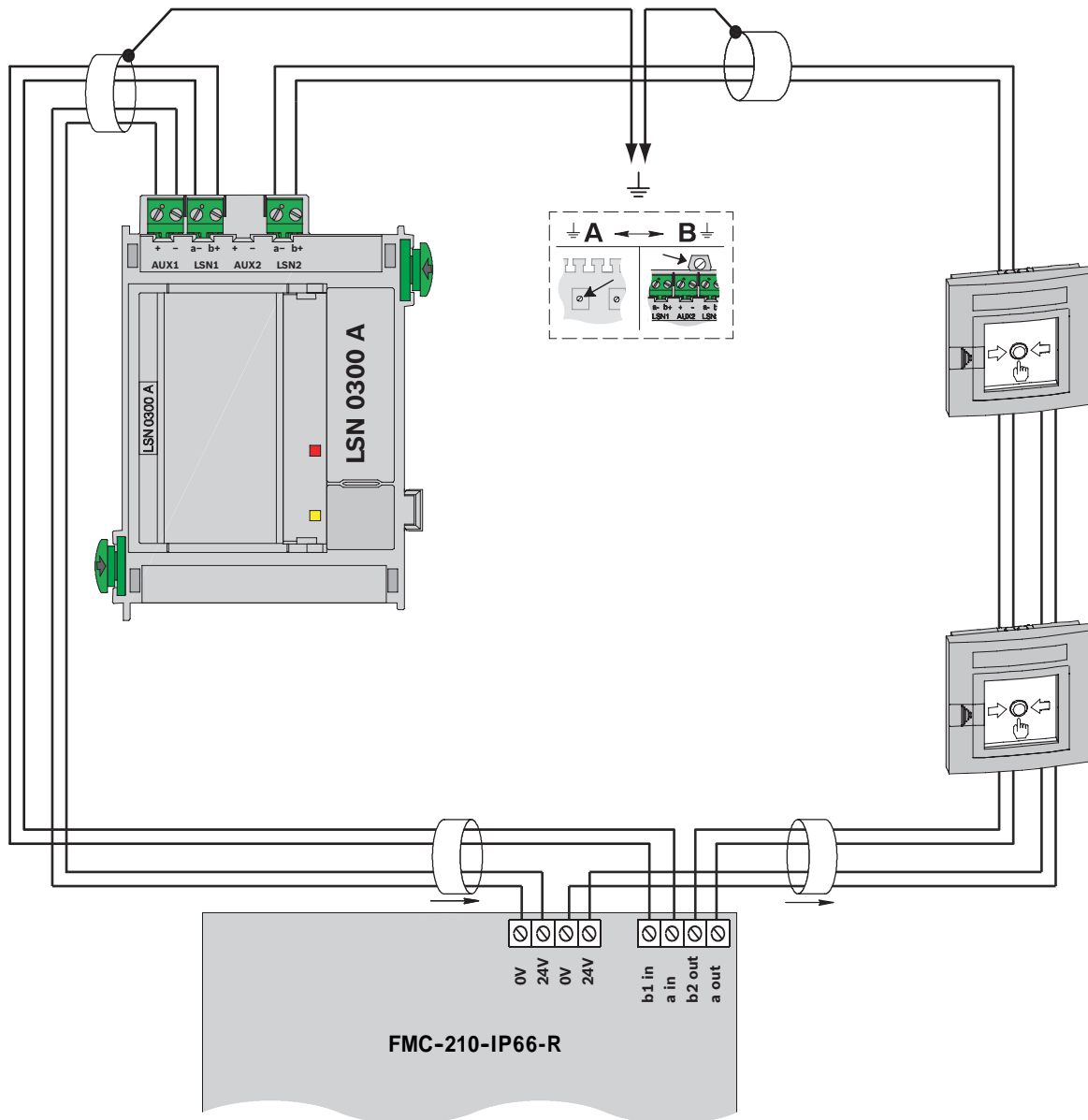
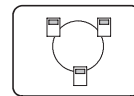


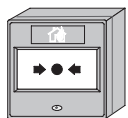
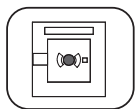
FMC-210...



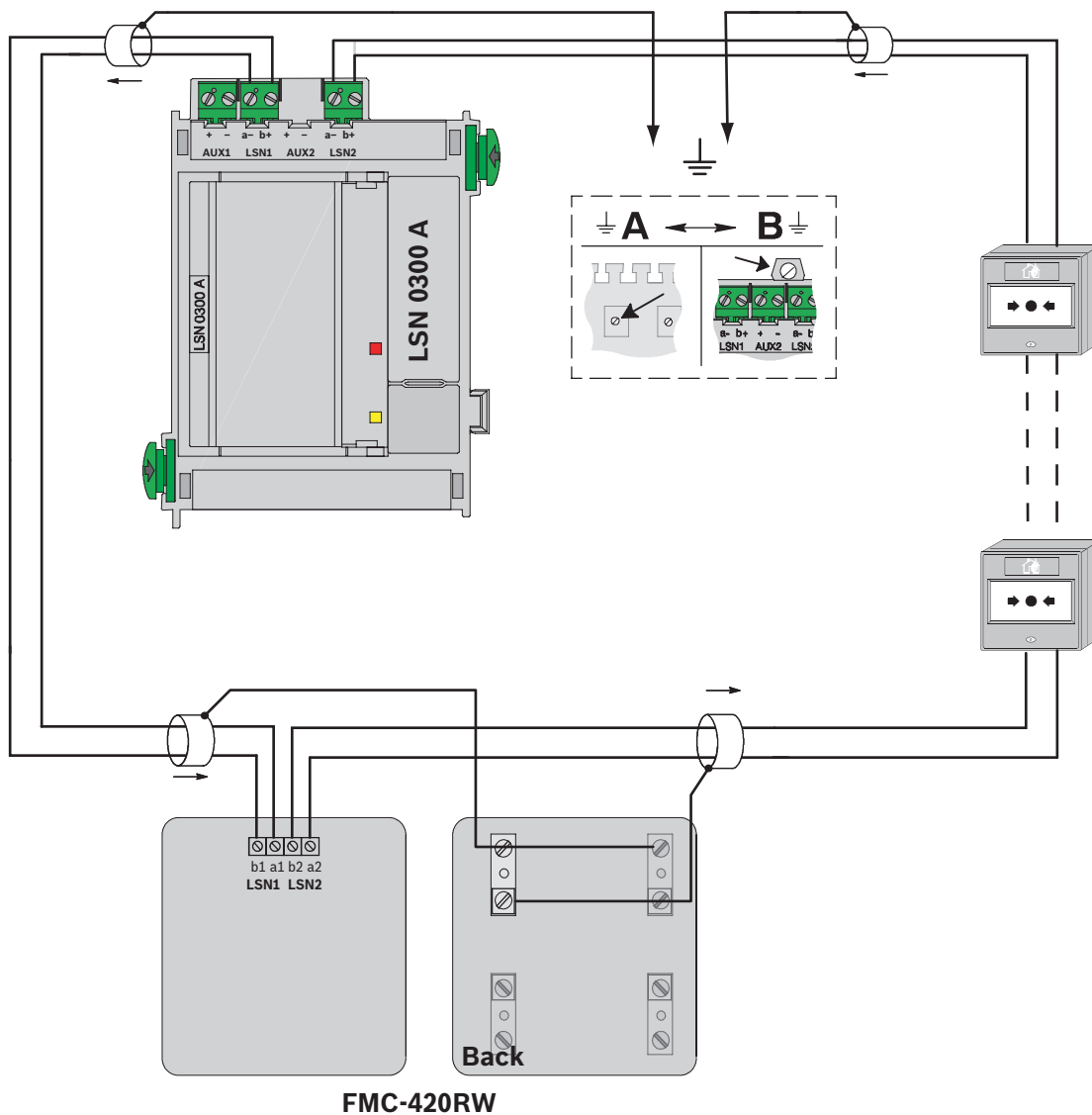
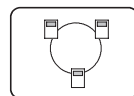


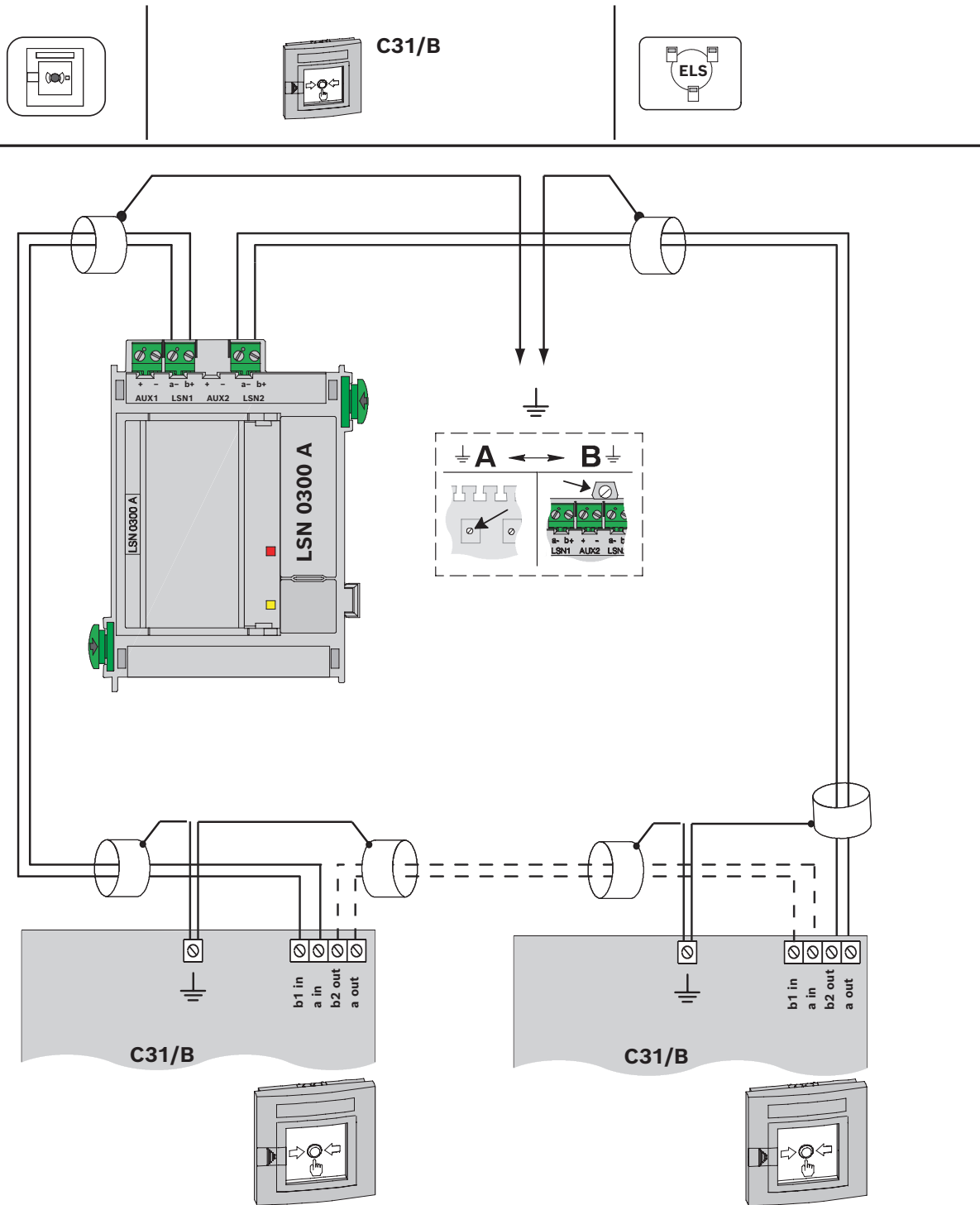
FMC-210-IP66-R

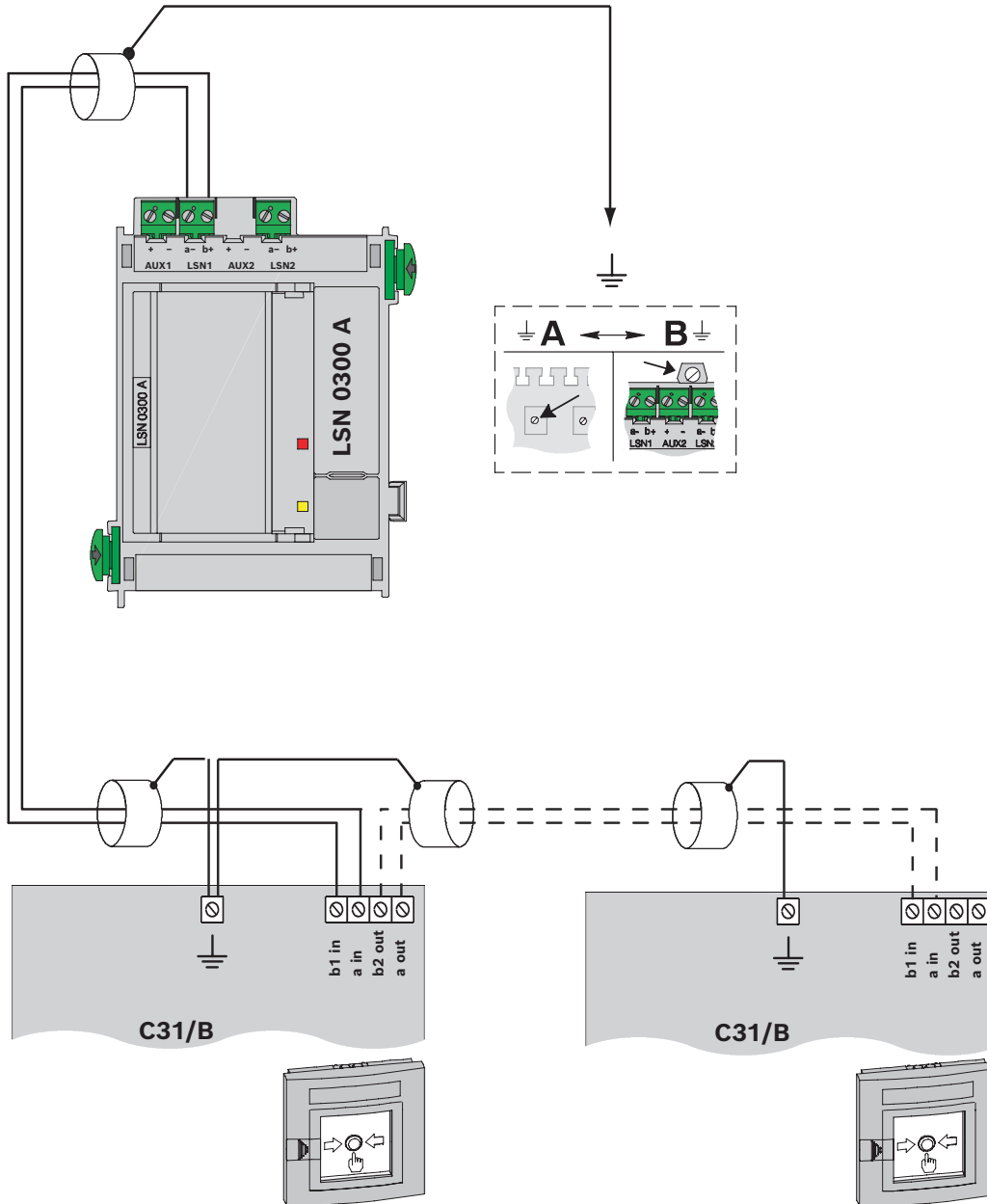
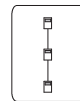
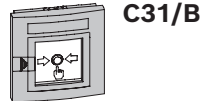
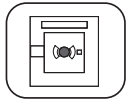


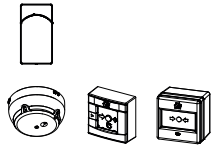


FMC-420RW-HSGRD
 FMC-420RW-HSRRD
 FMC-420RW-GFGRD
 FMC-420RW-GFRRD
 FMC-420RW-GSGRD
 FMC-420RW-GSRRD



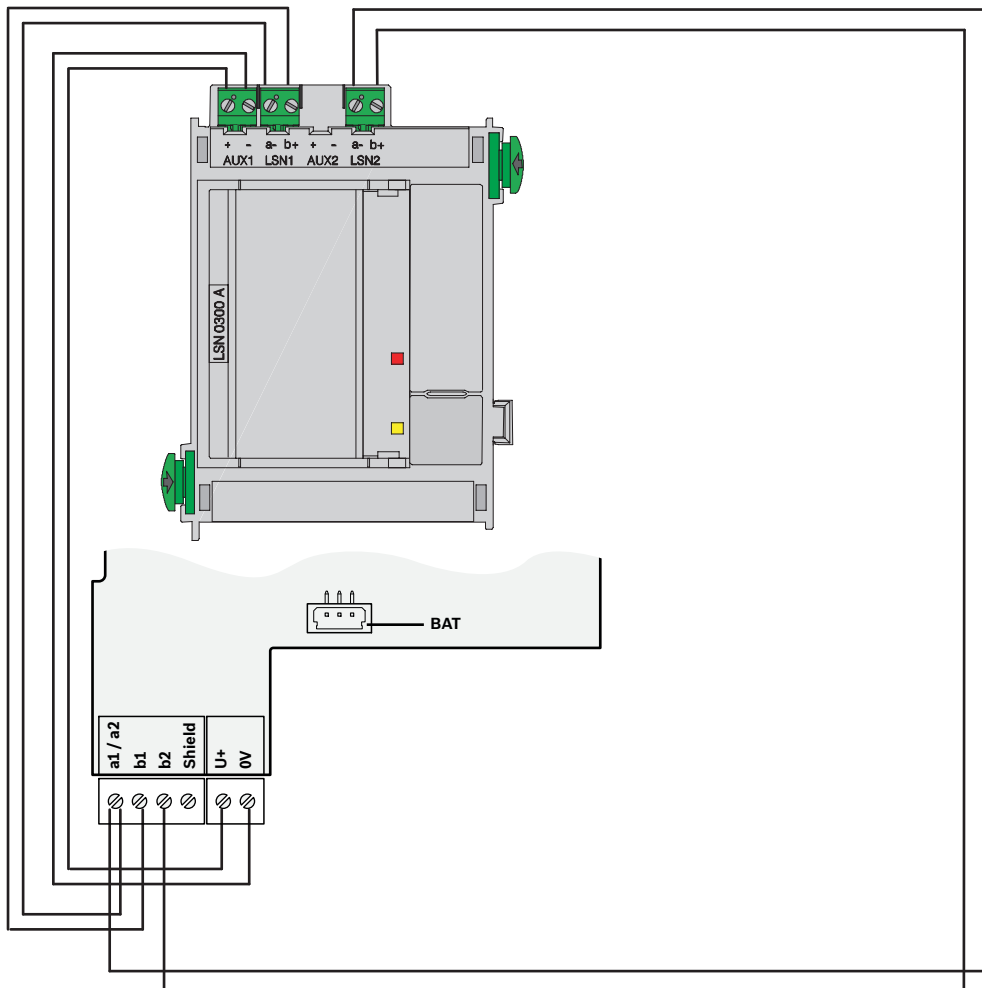
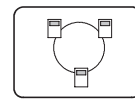






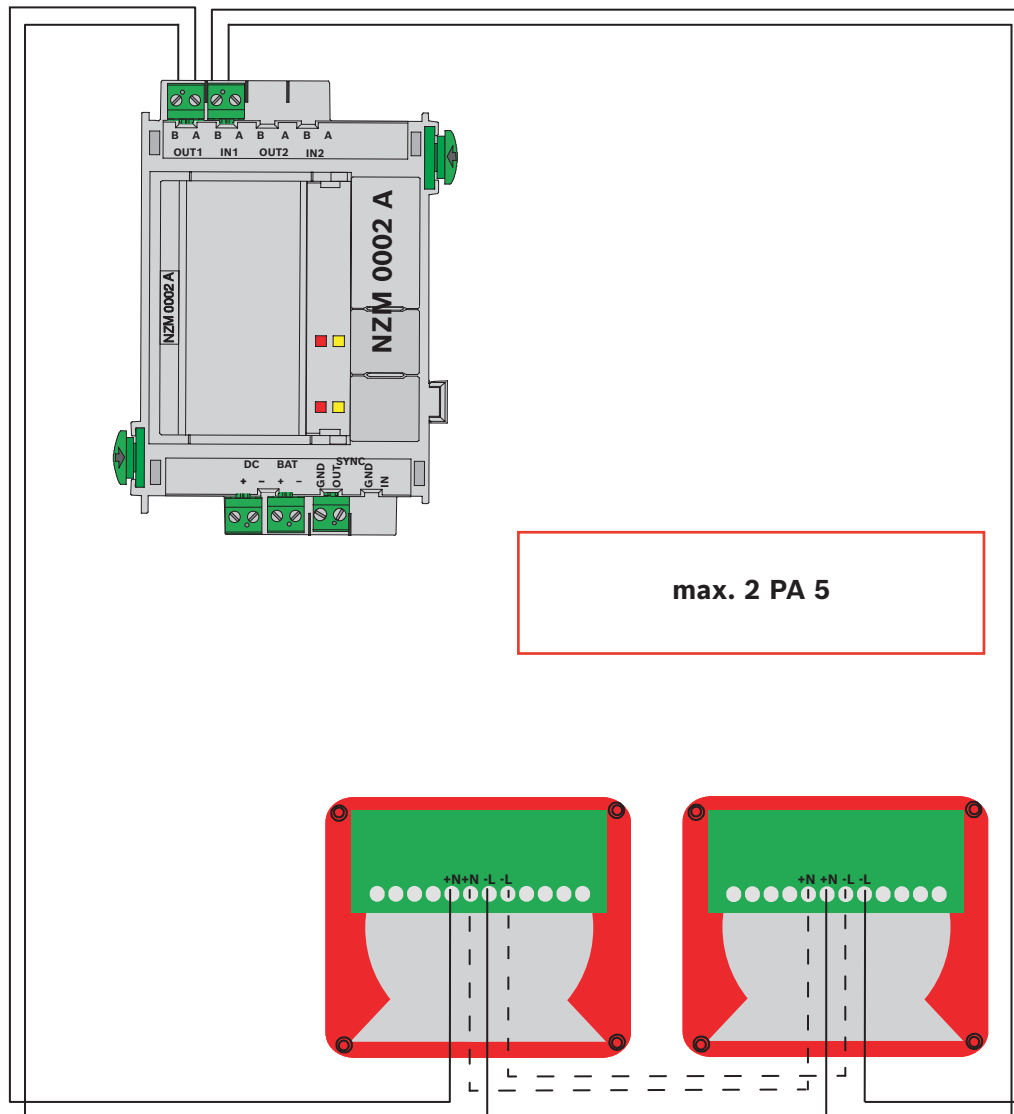
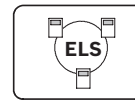
FWI-270

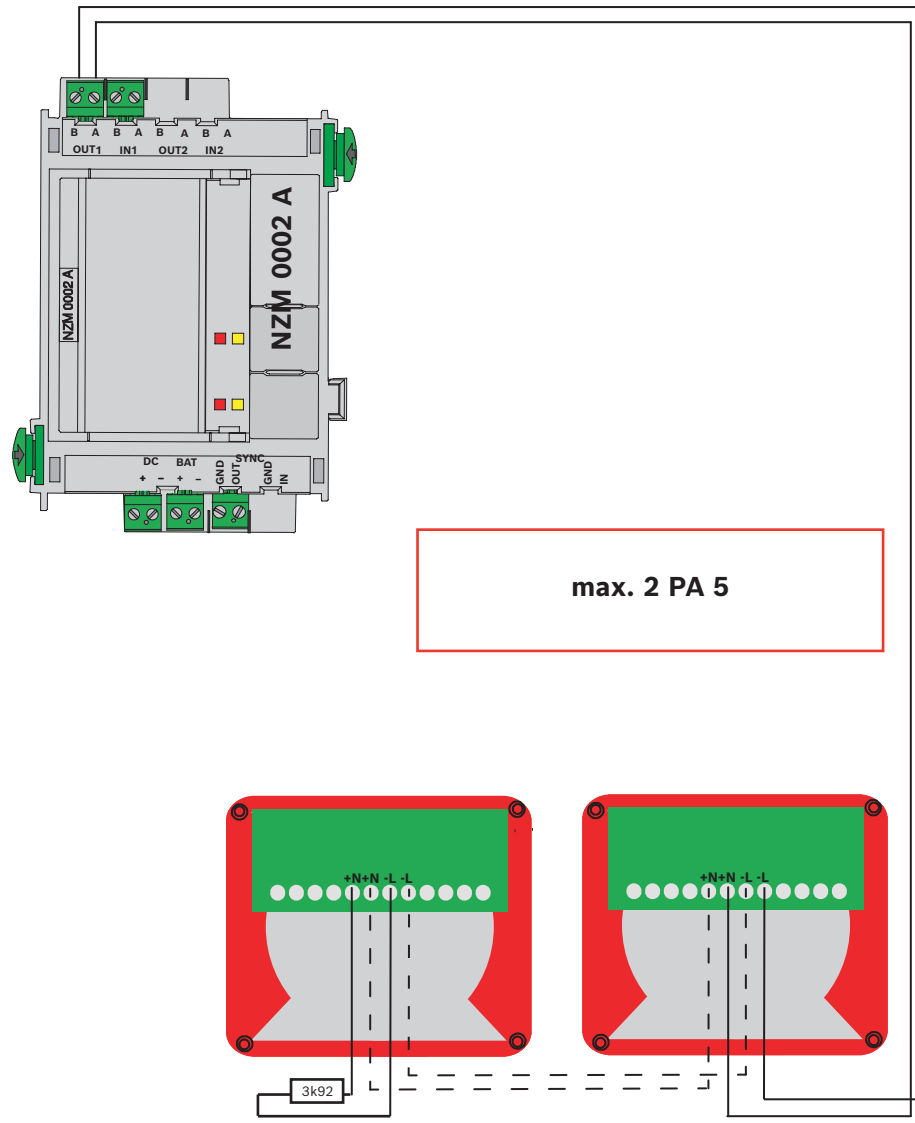
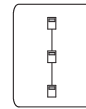
FDOOT271-O
FDM275-O
FDM273-O

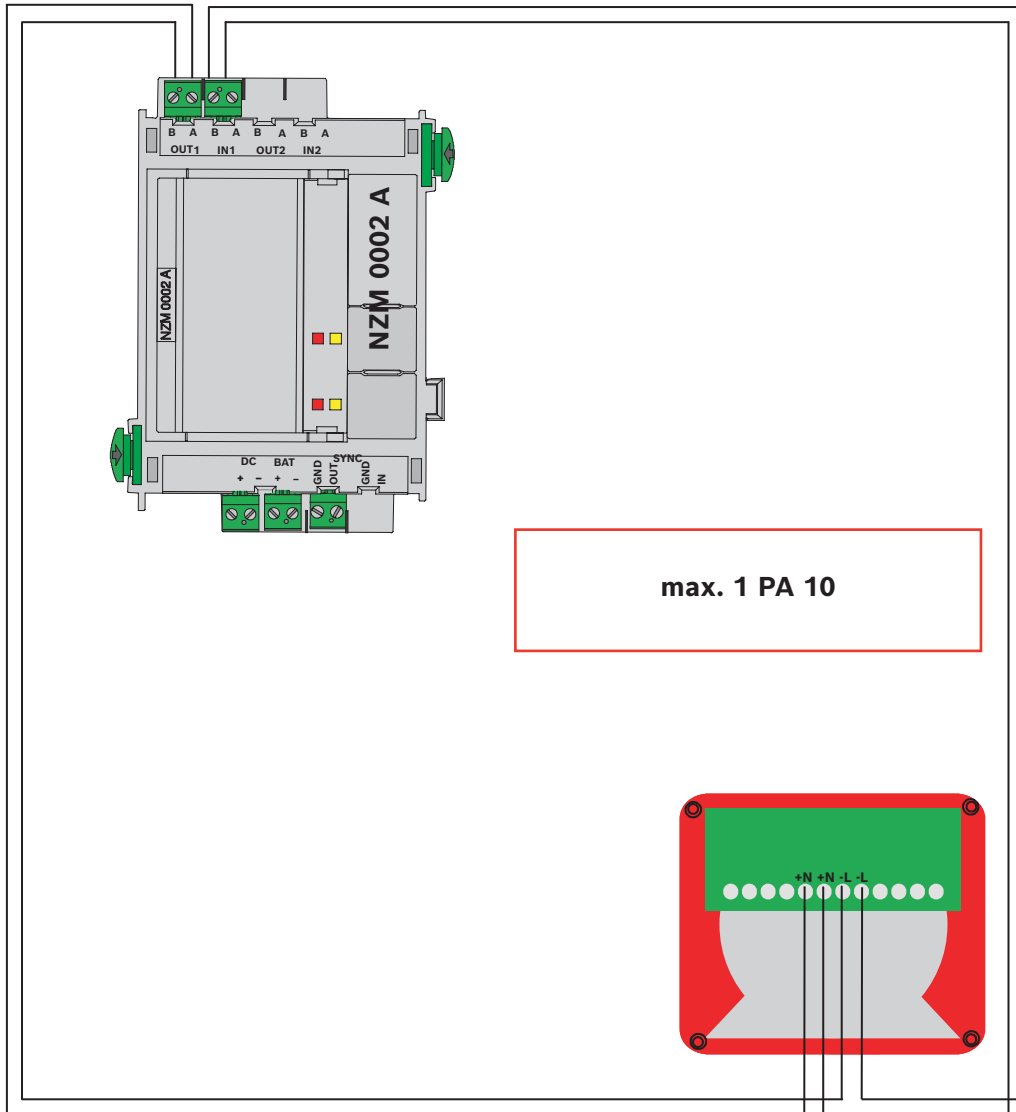
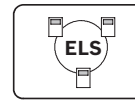


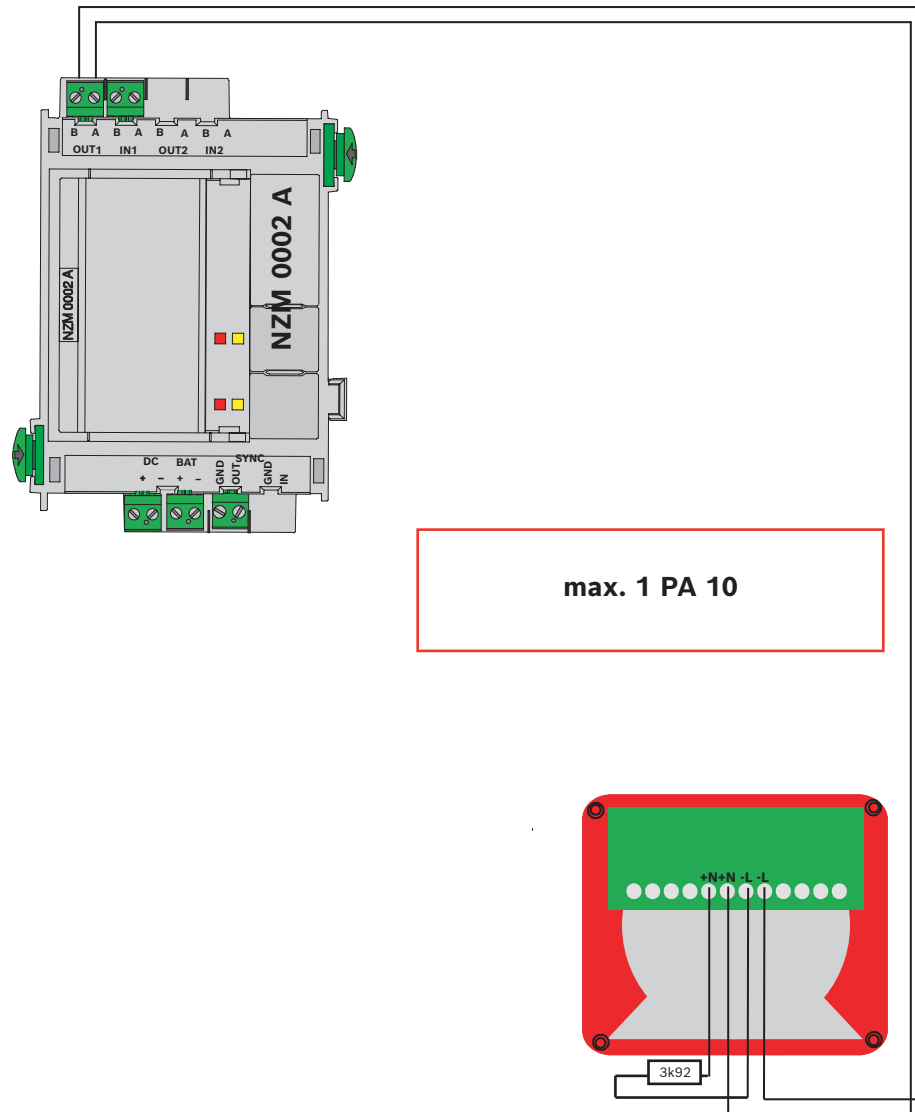
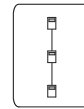
2.4.5

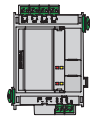
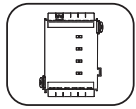
NZM 0002 A



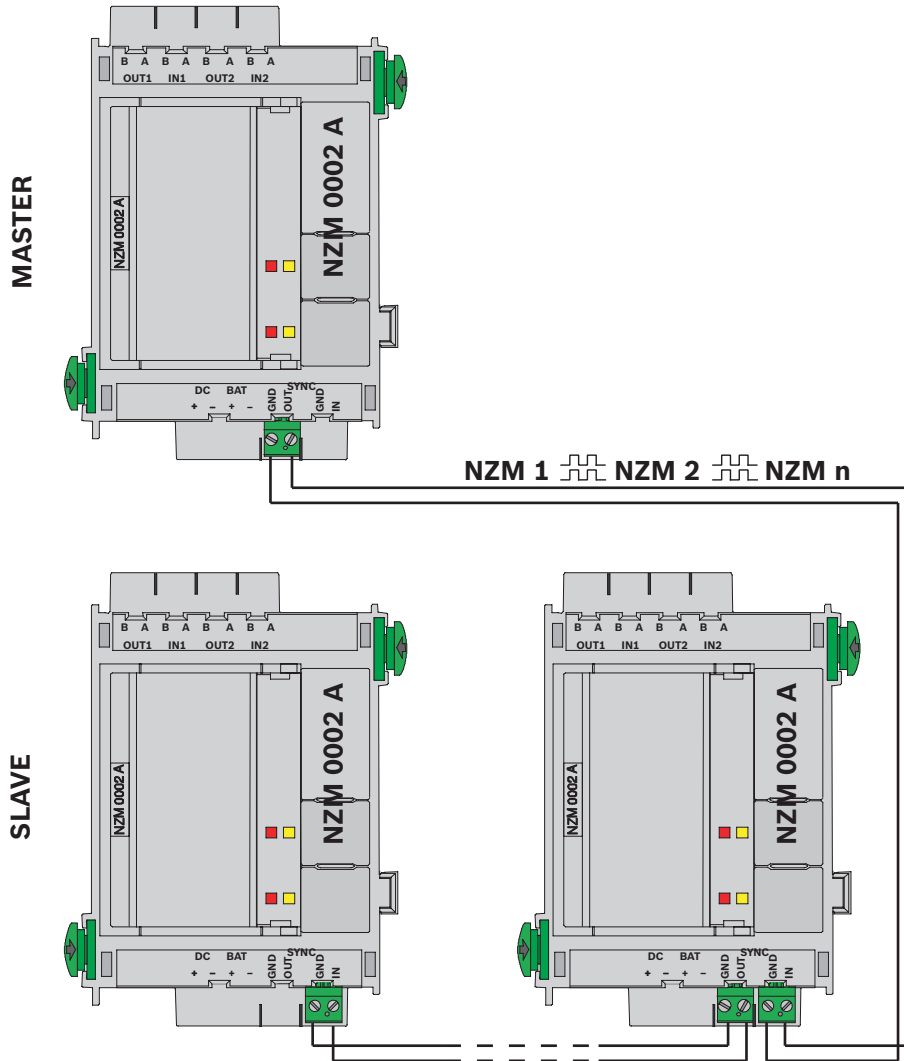


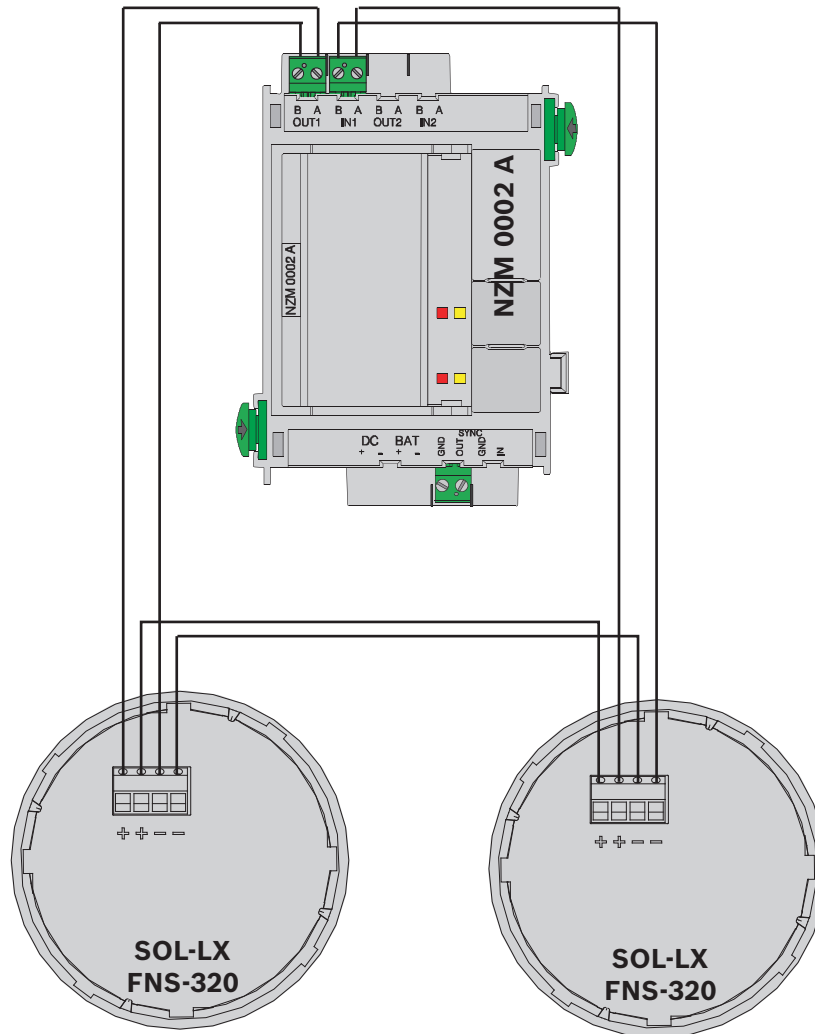
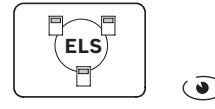


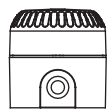




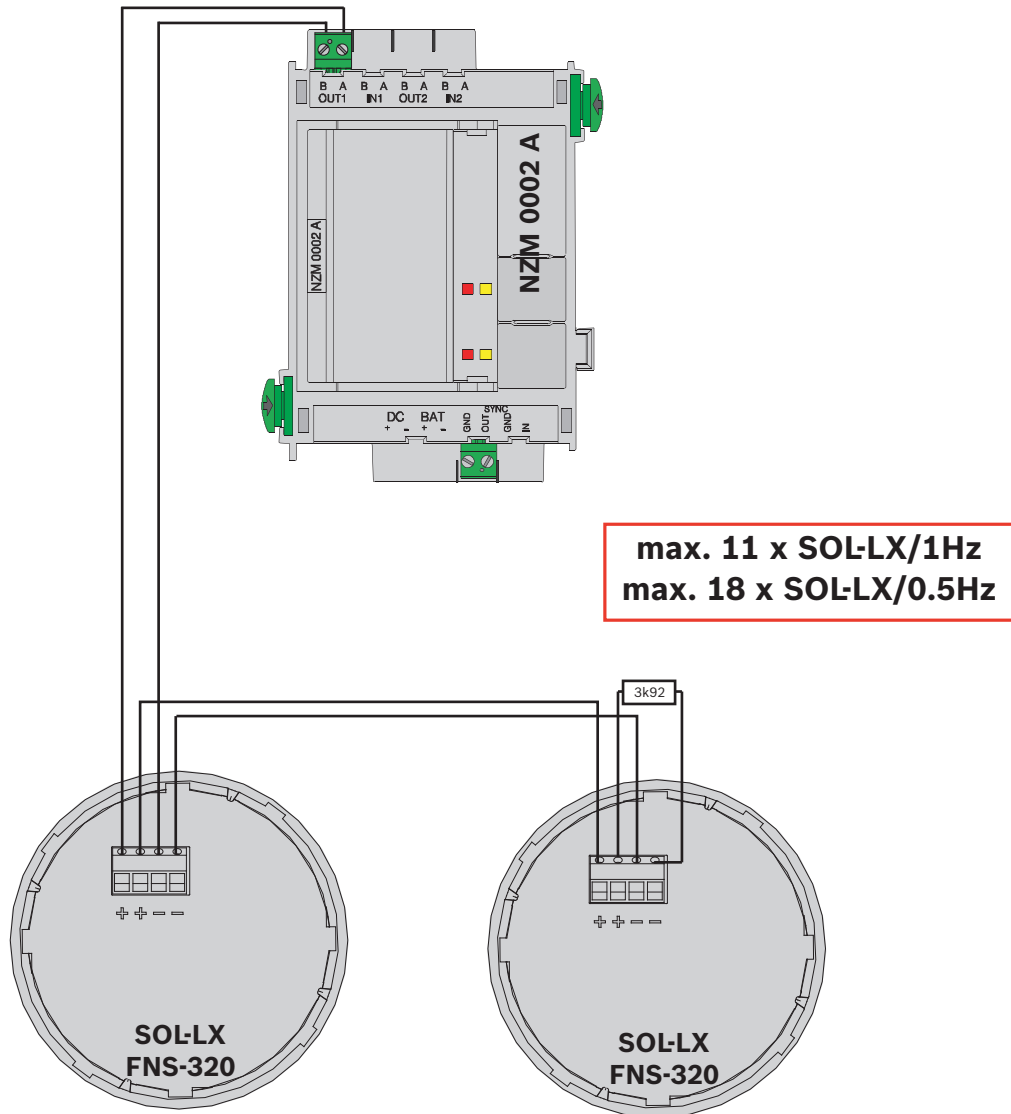
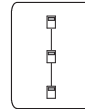
NZM 0002 A

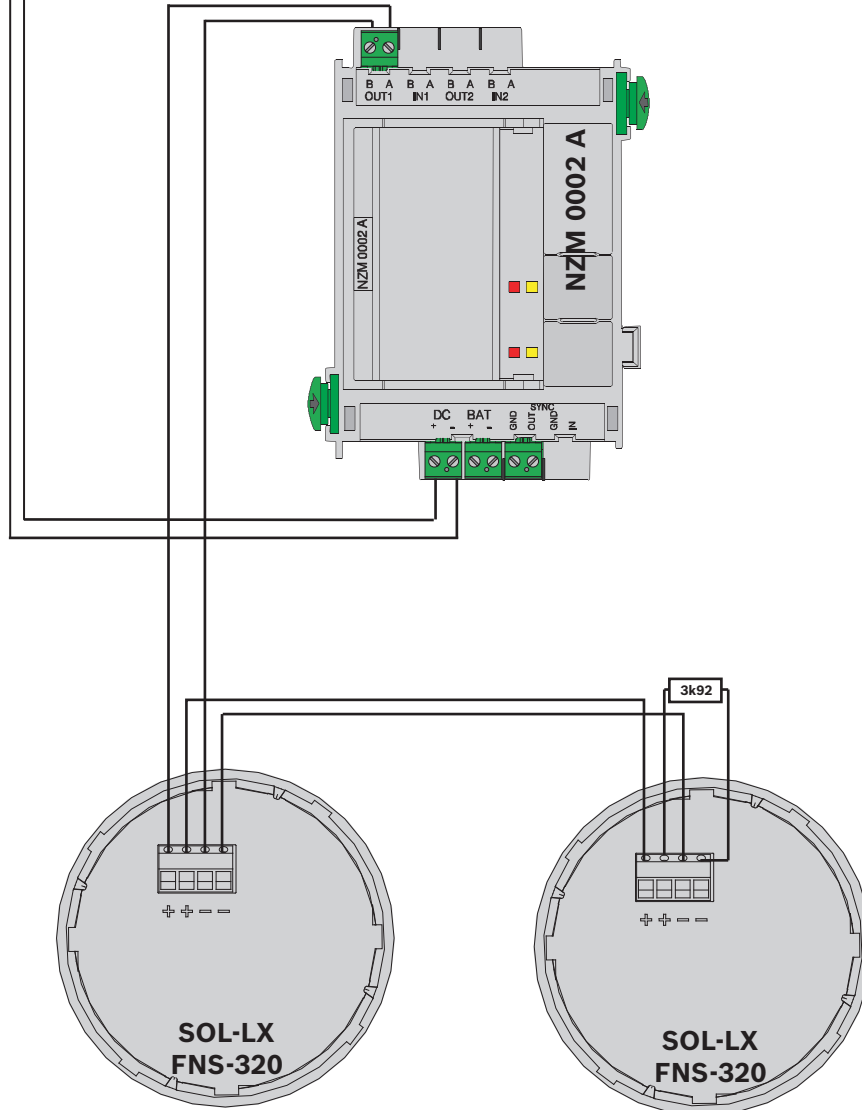
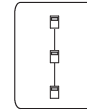


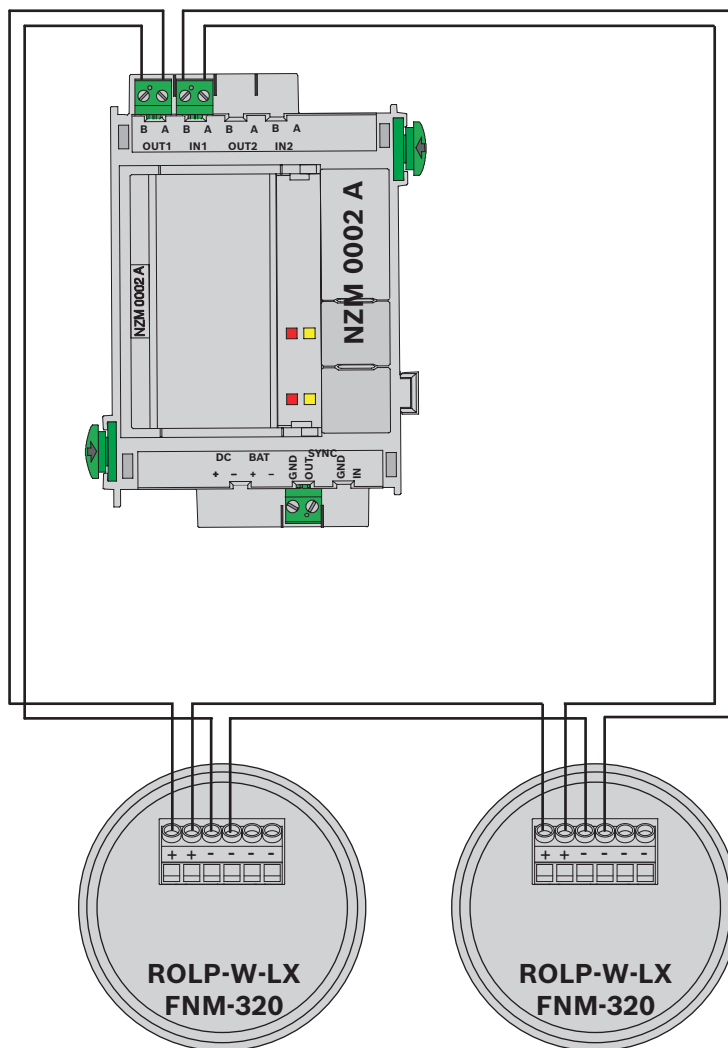
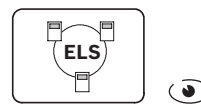


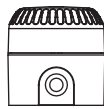


**SOL-LX
FNS-320**

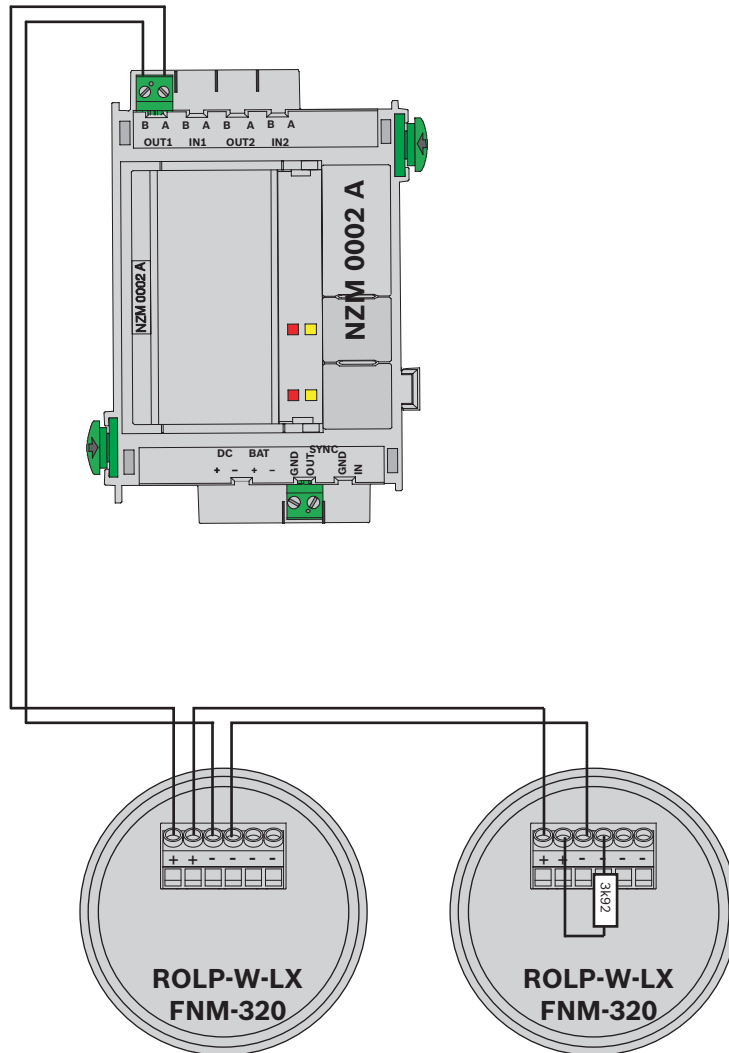
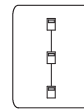






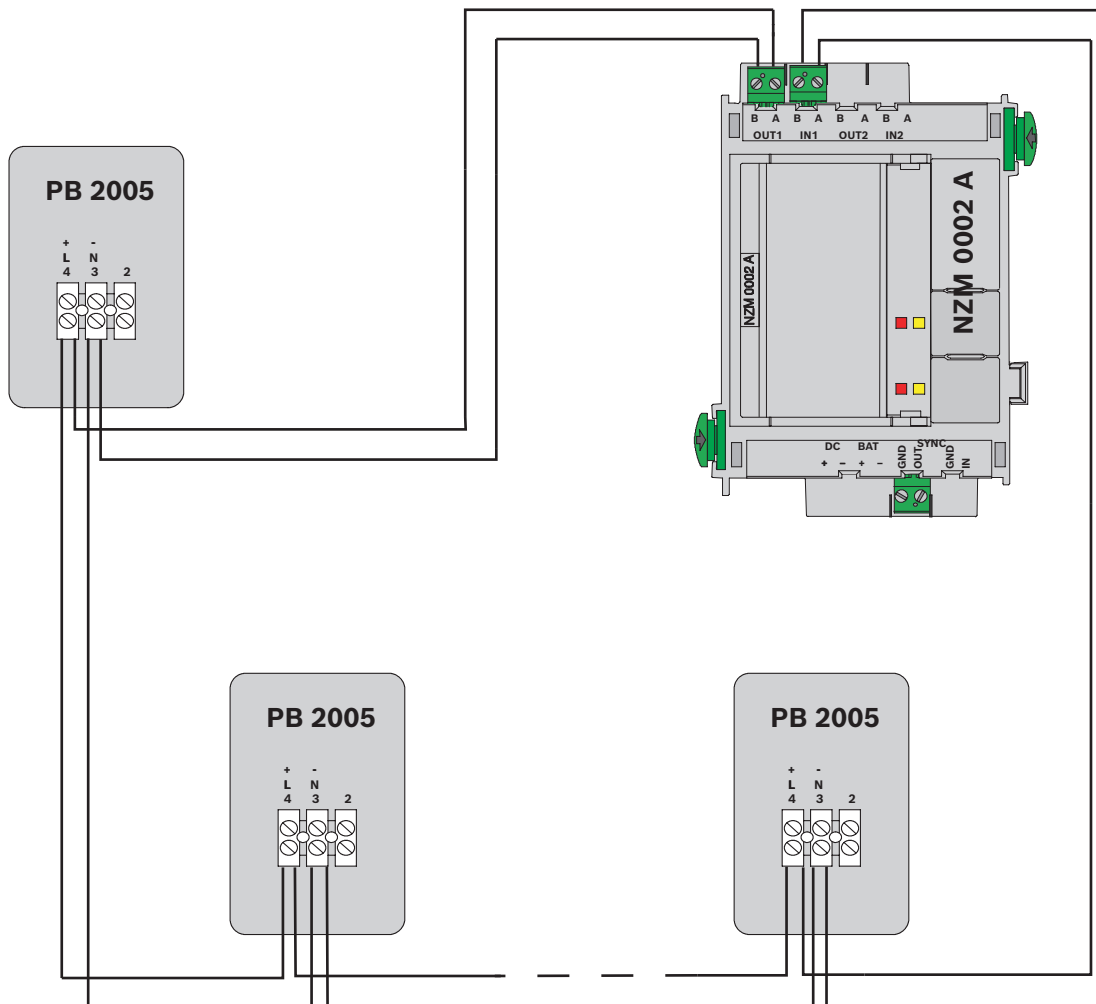
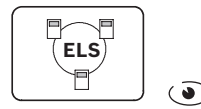


**ROLP-W-LX
FNM-320**



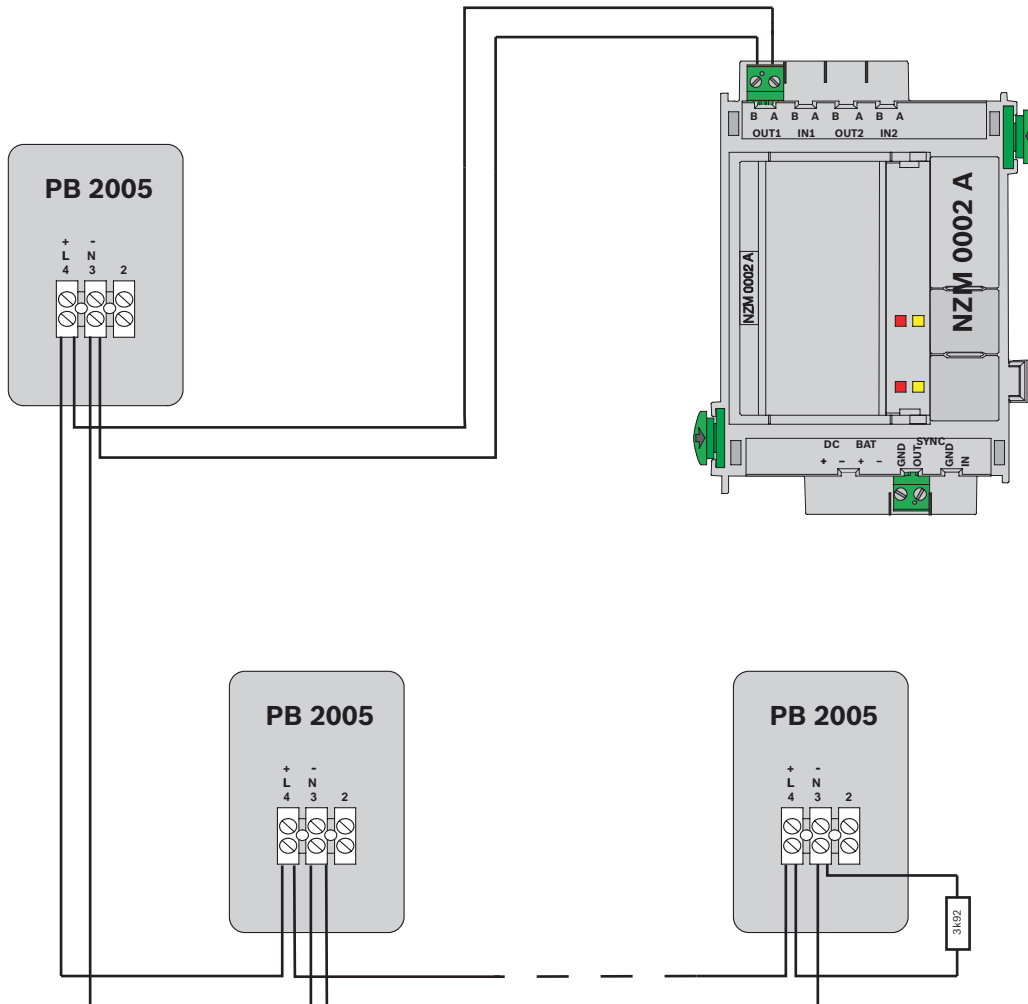
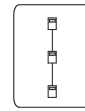


PB 2005



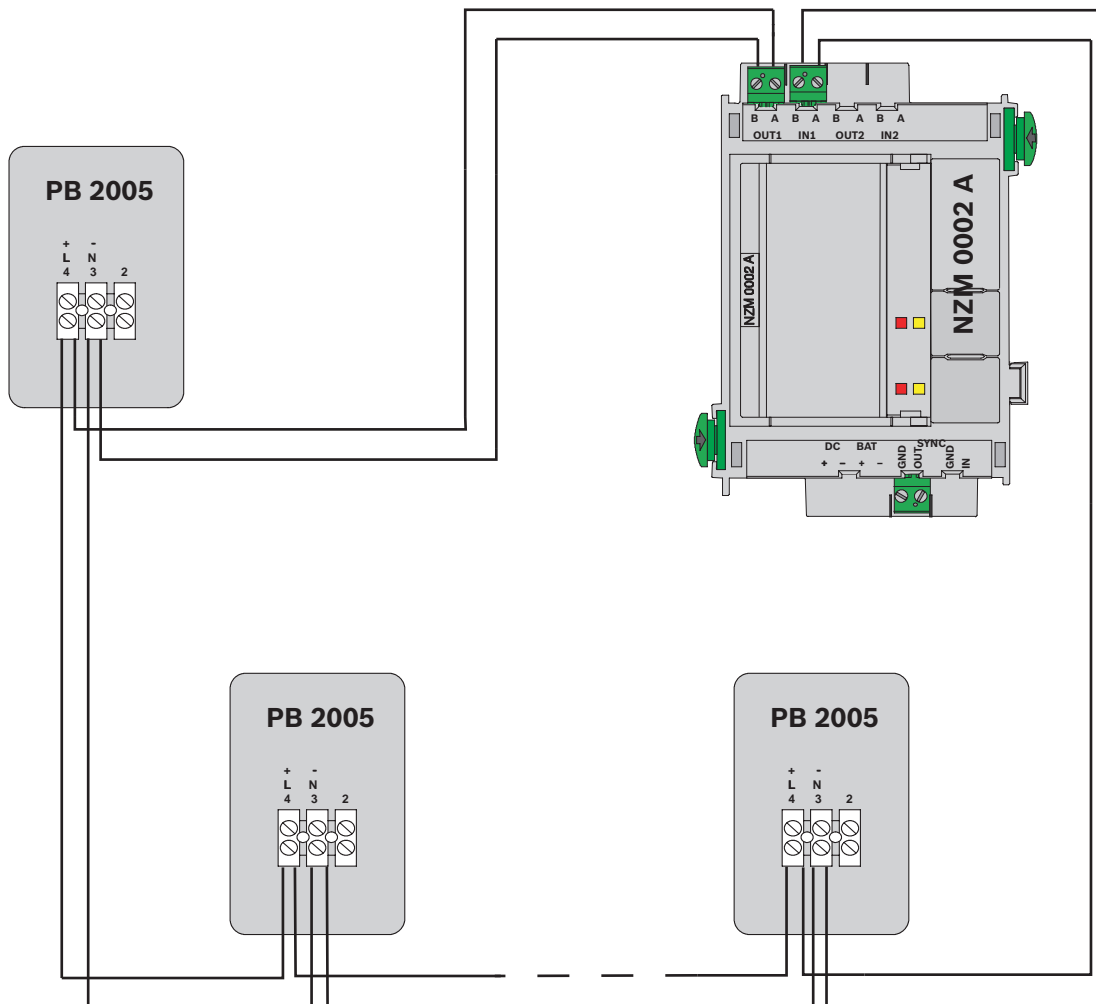
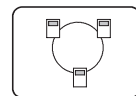


PB 2005



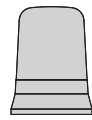


PB 2005

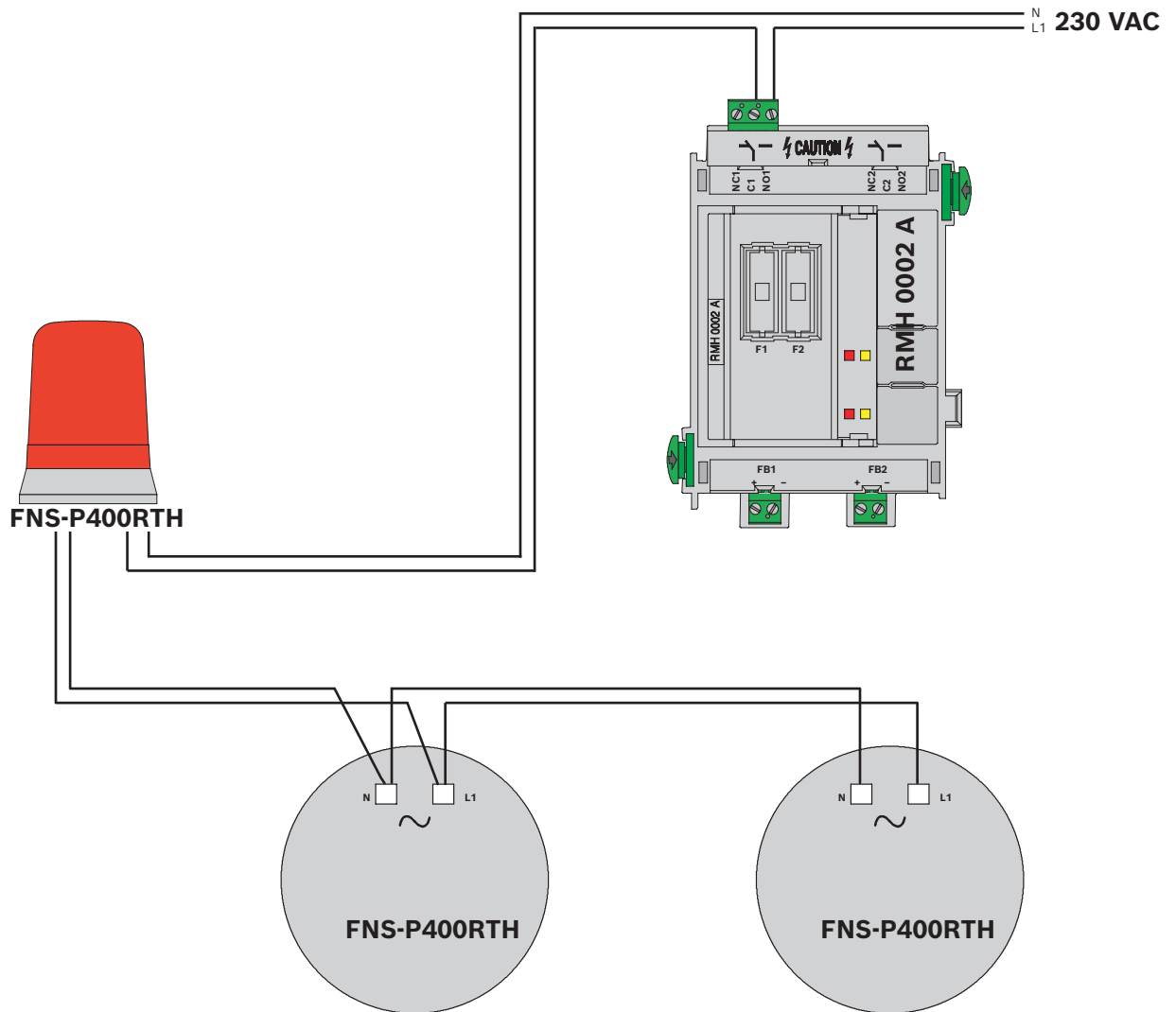
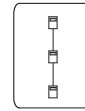


2.4.6

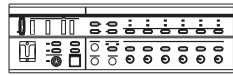
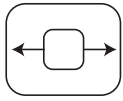
RMH 0002 A



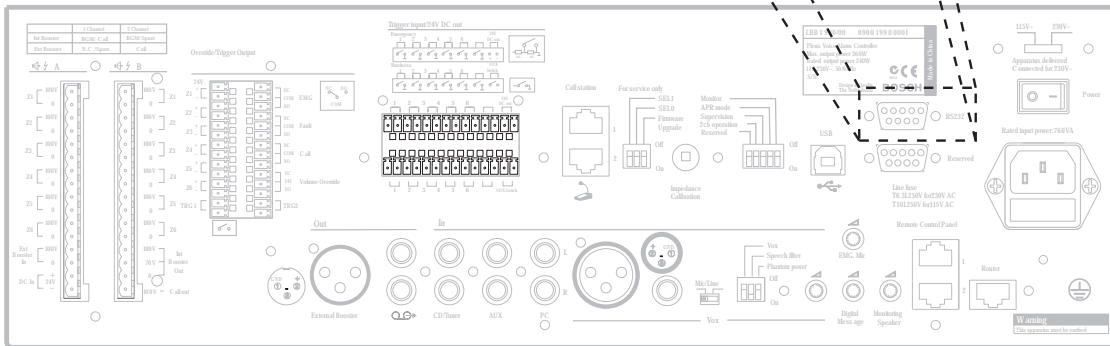
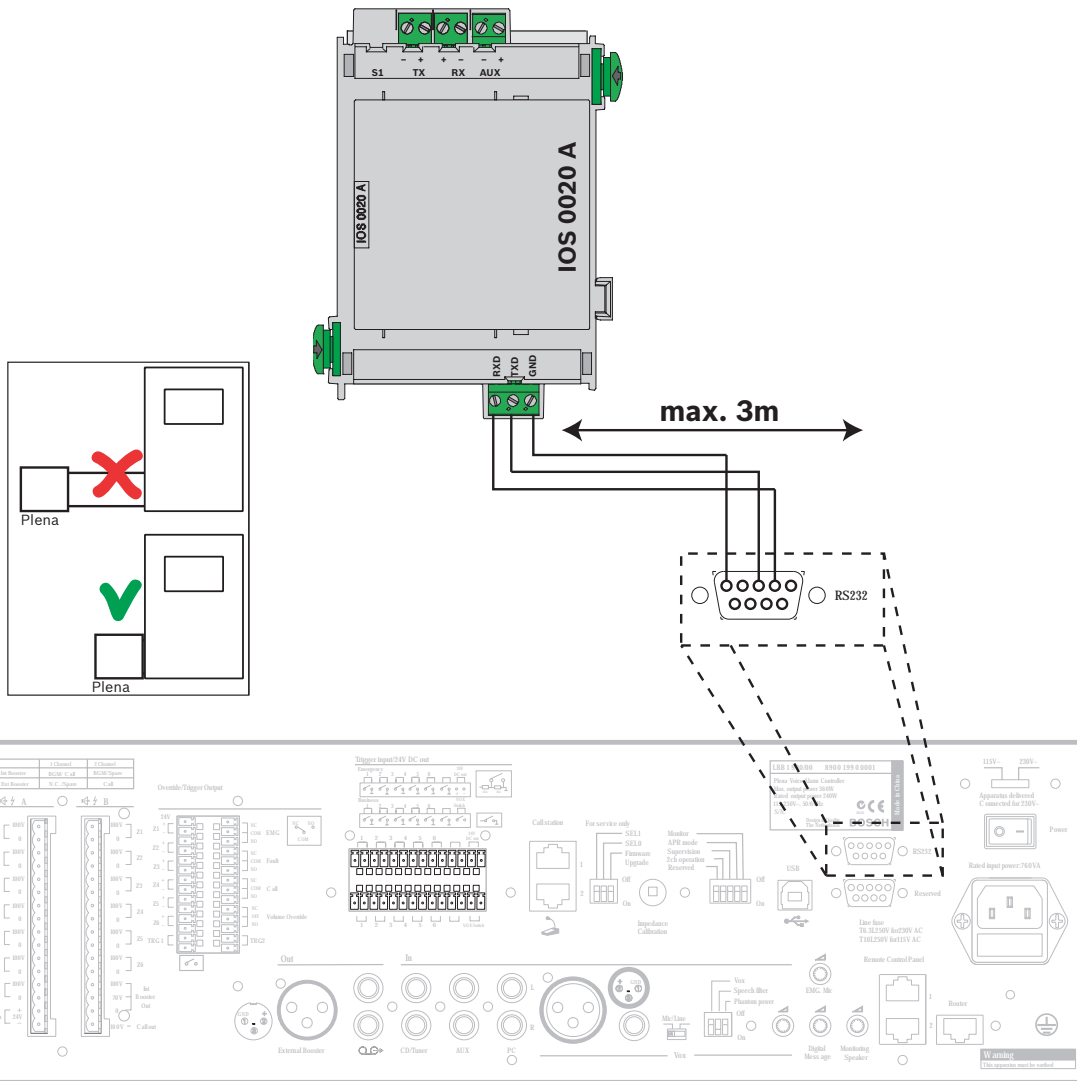
FNS-P400RTH



2.4.7 IOS 0020 A



Plena

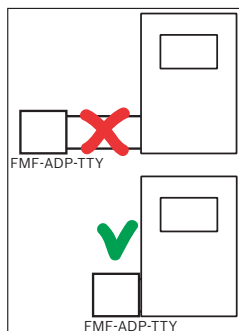
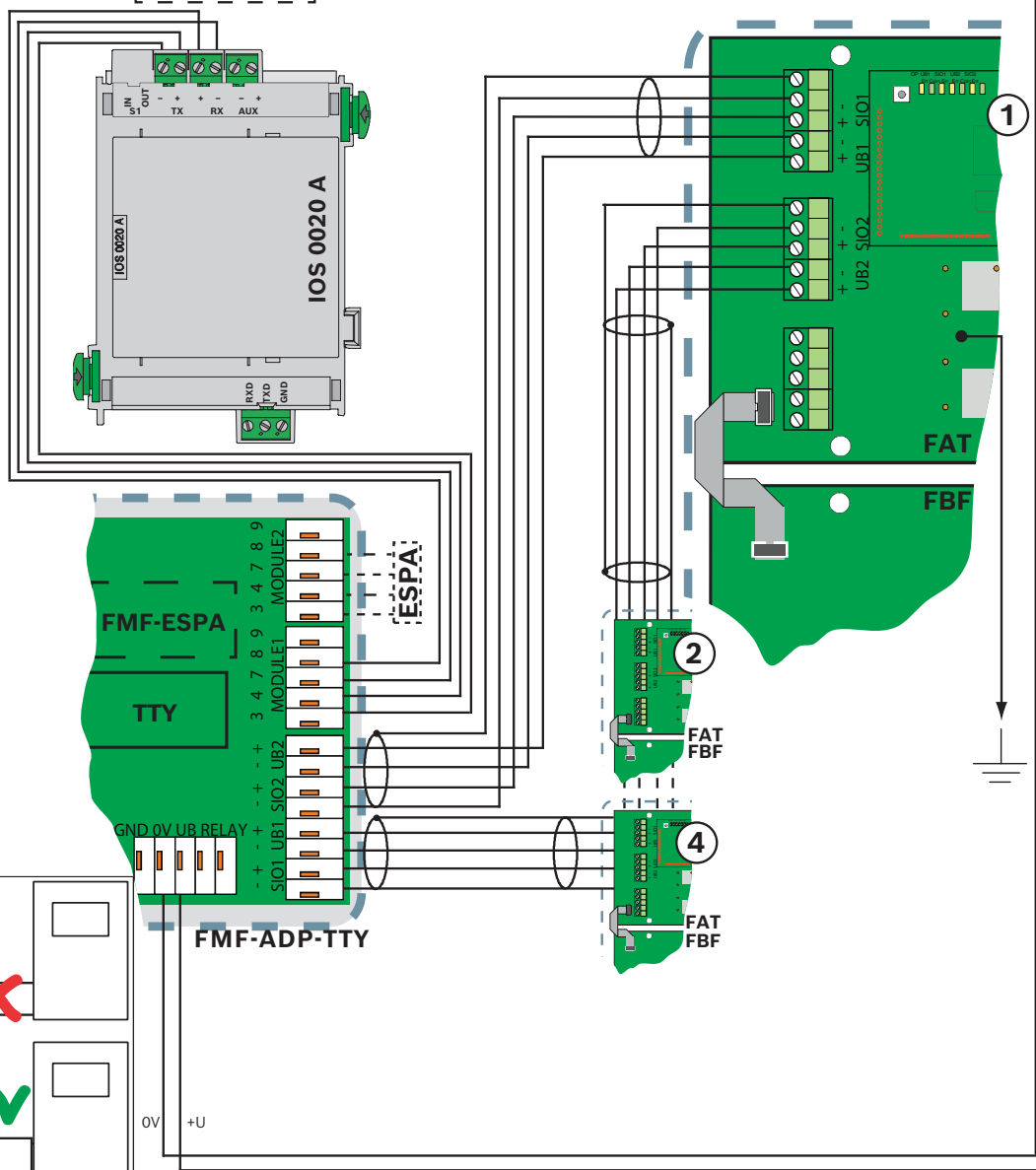
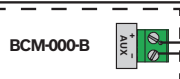




FAT4000 FBF4000 ADP4000

FMF-FAT FMF-FBF-FAT
FMF-FIBS-A4/-A3
FMF-ADP

ELS

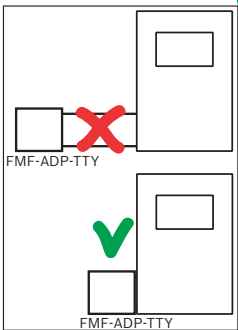
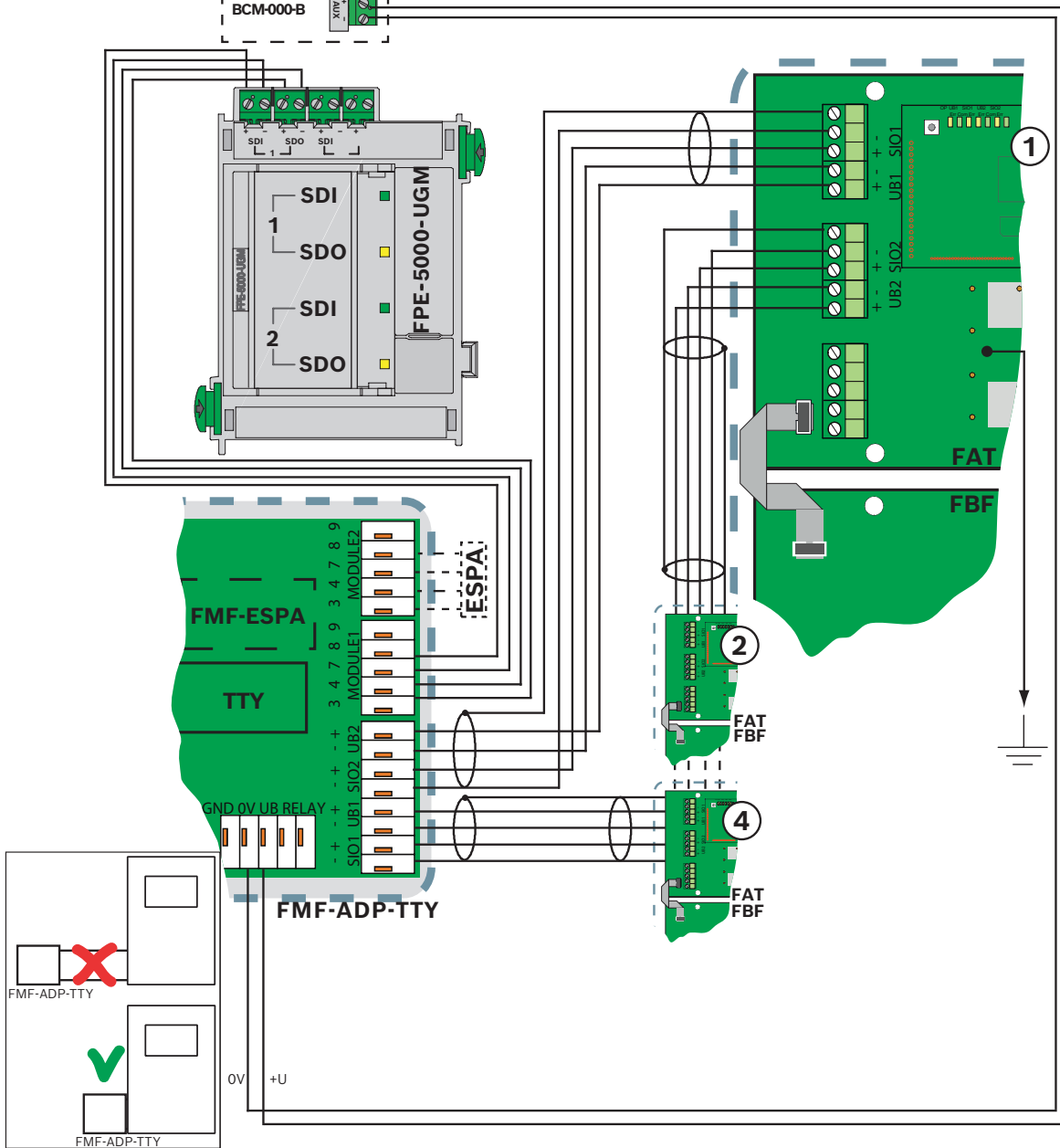


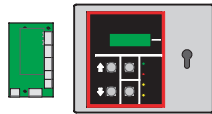
2.4.8 FPE-5000-UGM



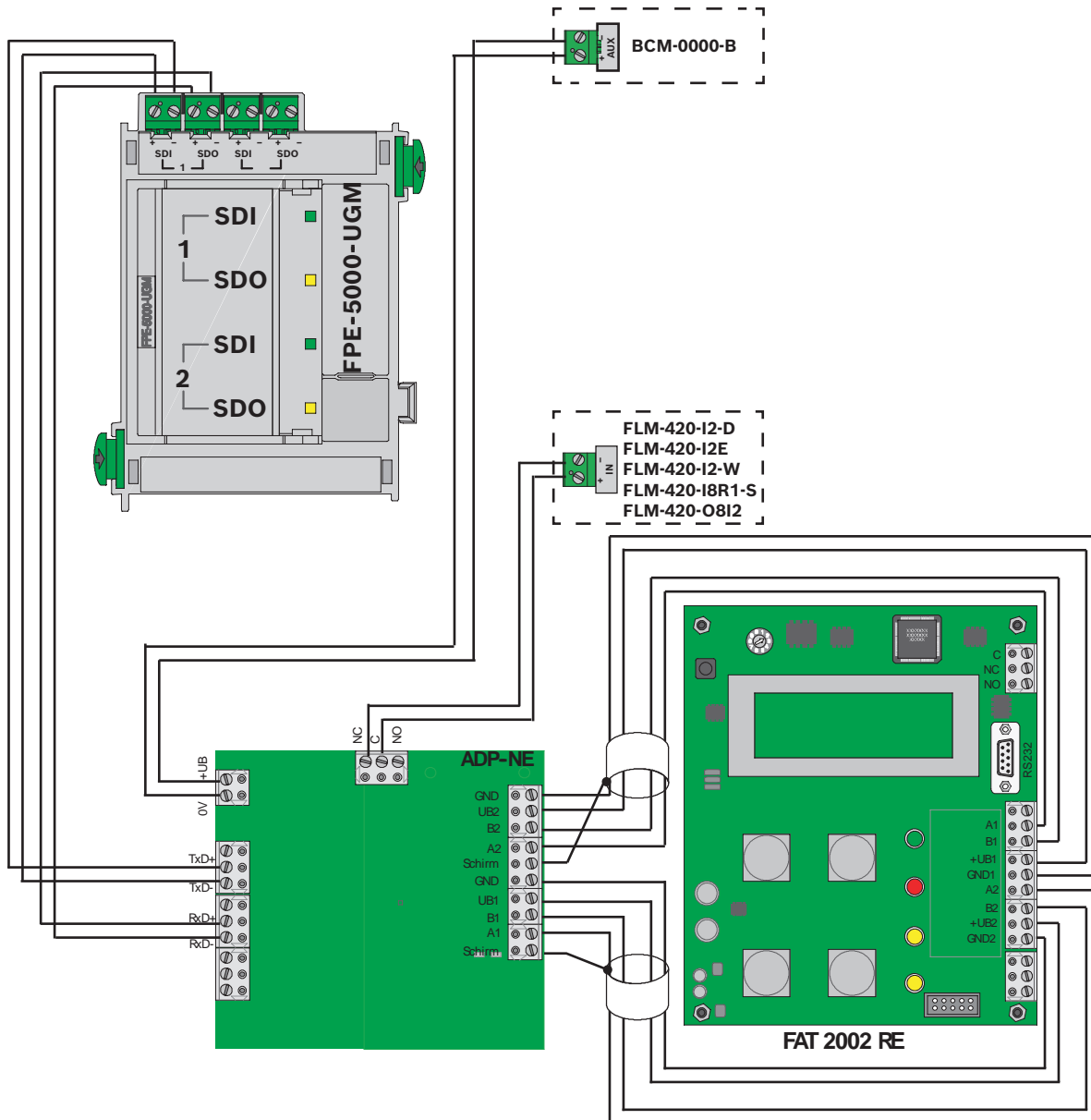
FAT4000 FBF4000 ADP4000
 FMF-FAT FMF-FBF-FAT
 FMF-FIBS-A4/-A3
 FMF-ADP

ELS





FAT2002RE
ADP-NE



2.5

Interface Modules



FLM-420-4/CON-D/S, stranica 125

FLM-420-I8R1-S, stranica 158

FLM-420-NAC-D/S, stranica 160

FLM-420-RHV, stranica 172

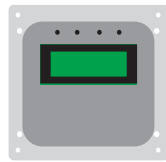
FLM-420-RLE-S, stranica 184

FLM-420-RLV1-E, stranica 185

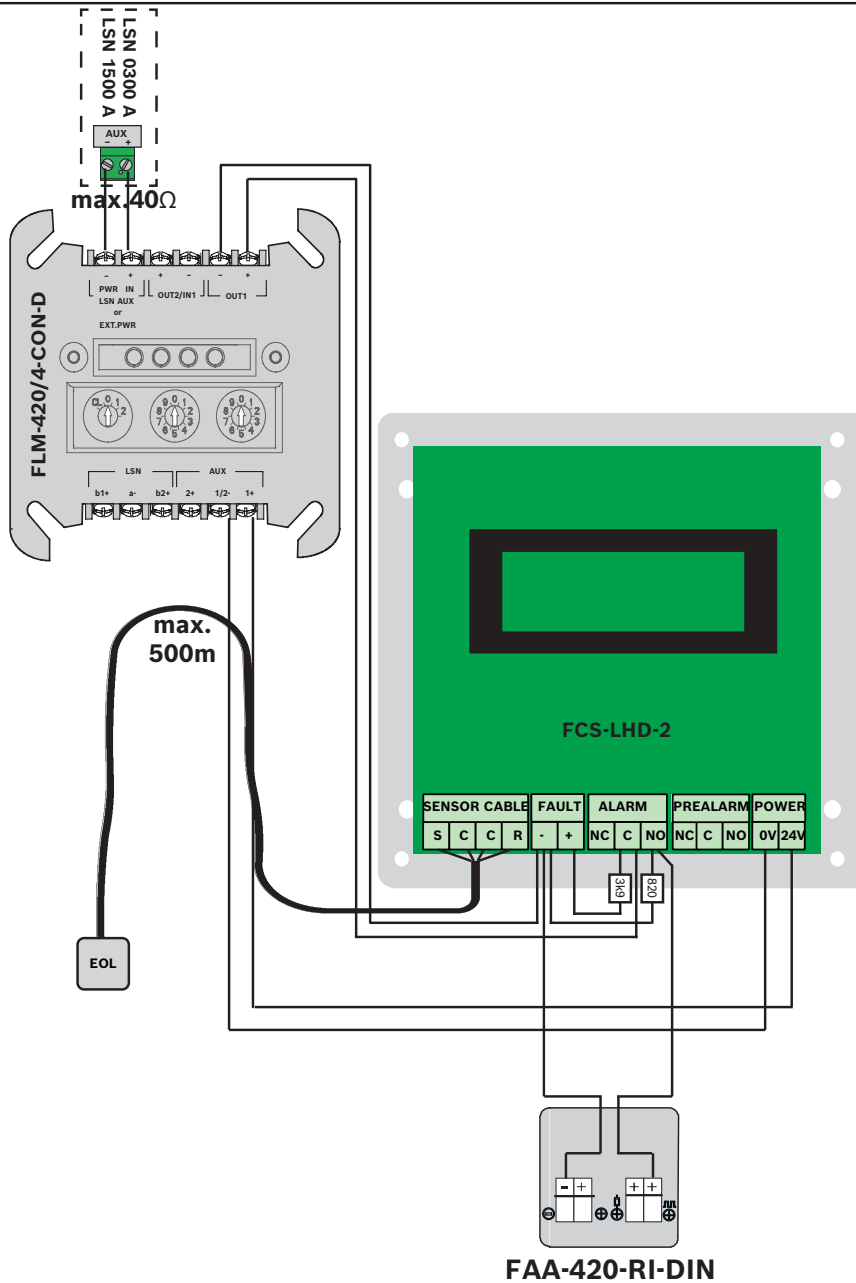
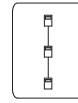
FLM-420-RLV8-S, stranica 186

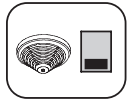
FMF-ADP-FBF/FMF-ADP-TTY, stranica 187

2.5.1 FLM-420-4/CON-D/S

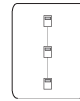


ALARMLINE II



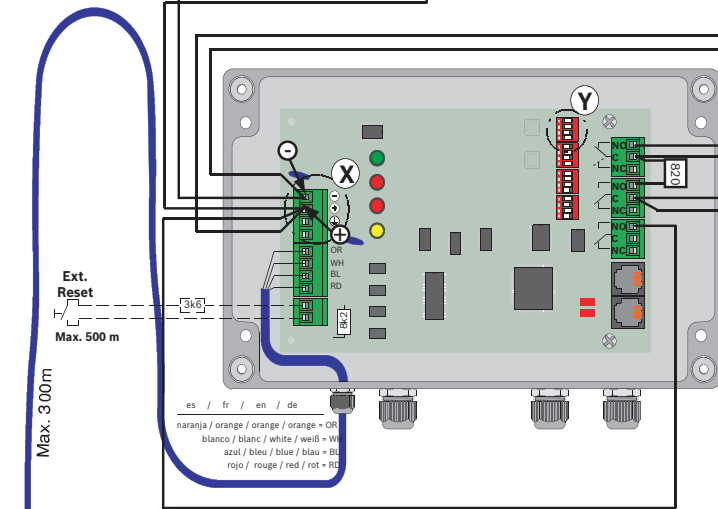
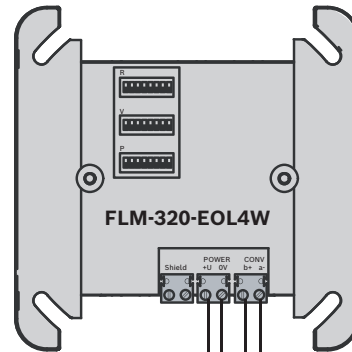
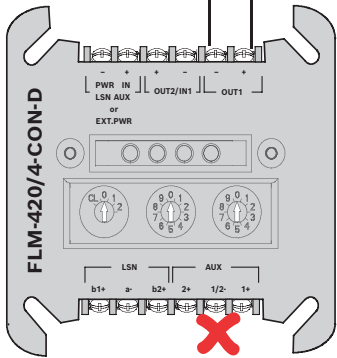


FCS-LWM-1



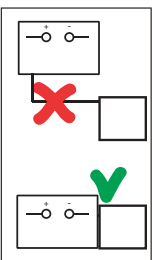
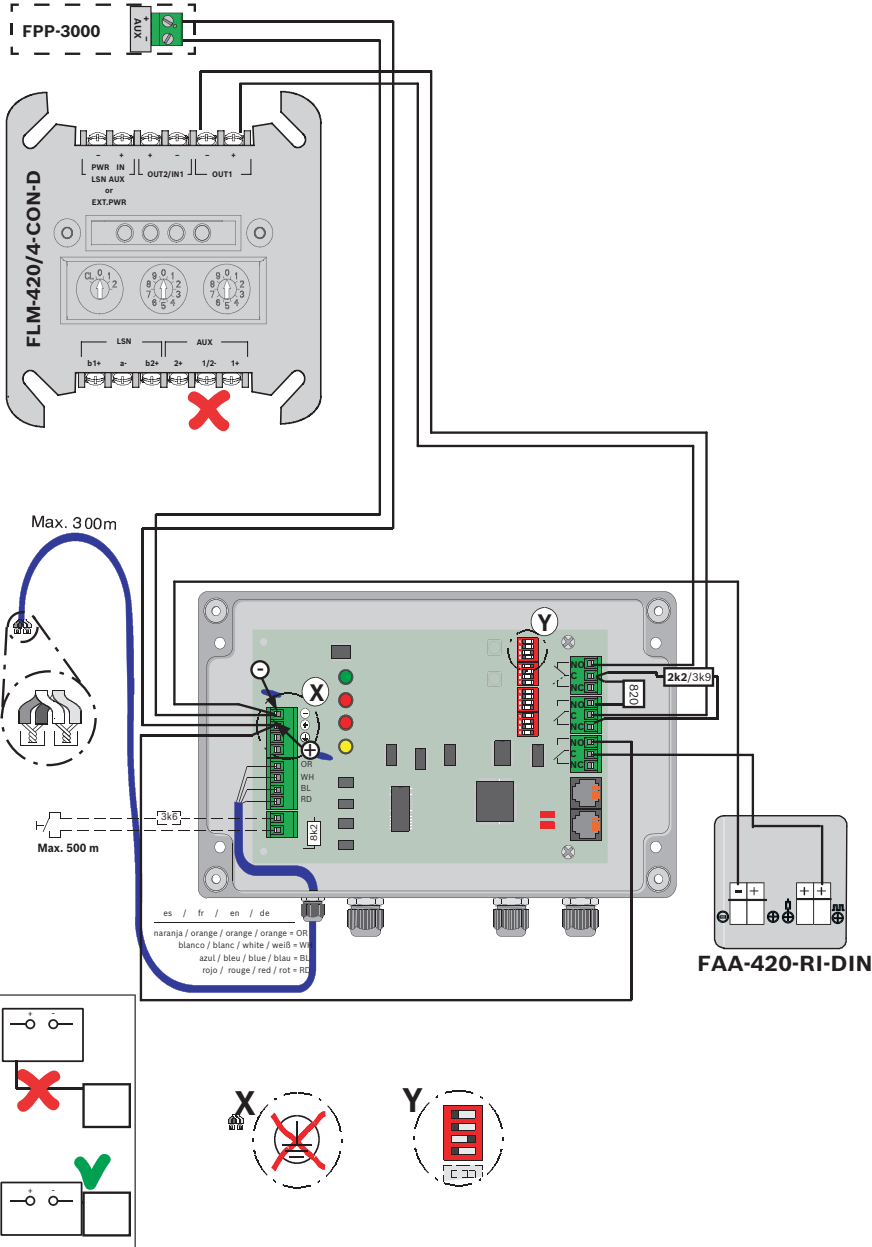
ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A



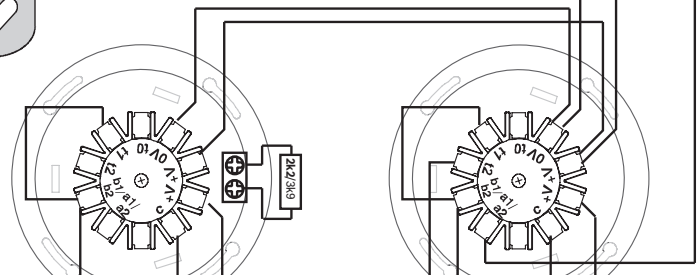
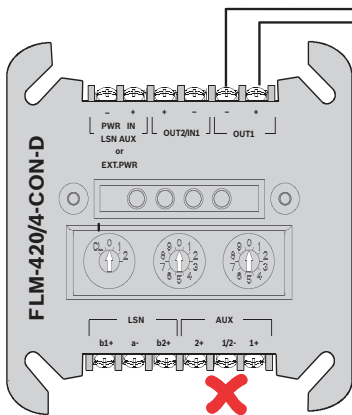


FCS-LWM-1



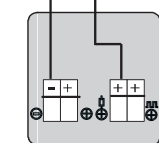


FCA-500-EU
 FCP-O 500
 FCP-O 500-P
 FCP-OC 500
 FCP-OC 500-P

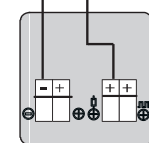


FCA-500-E-EU

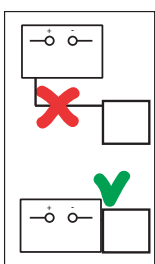
FCA-500-EU

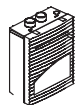


FAA-420-RI-DIN



FAA-420-RI-DIN

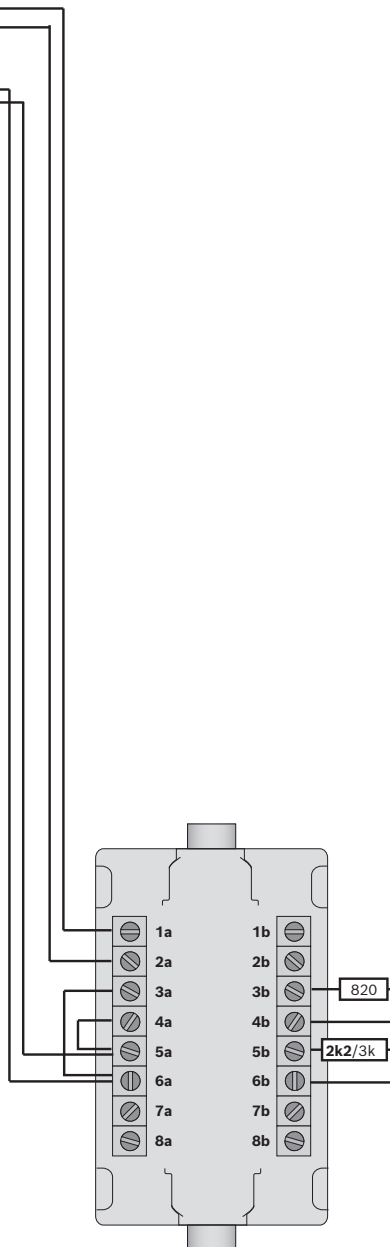
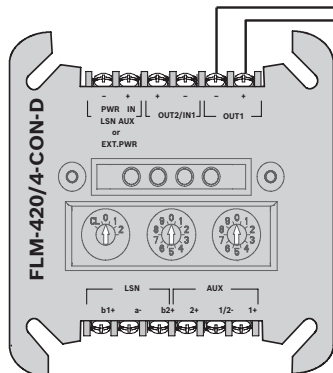


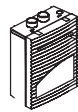


FCS-320-TM Series

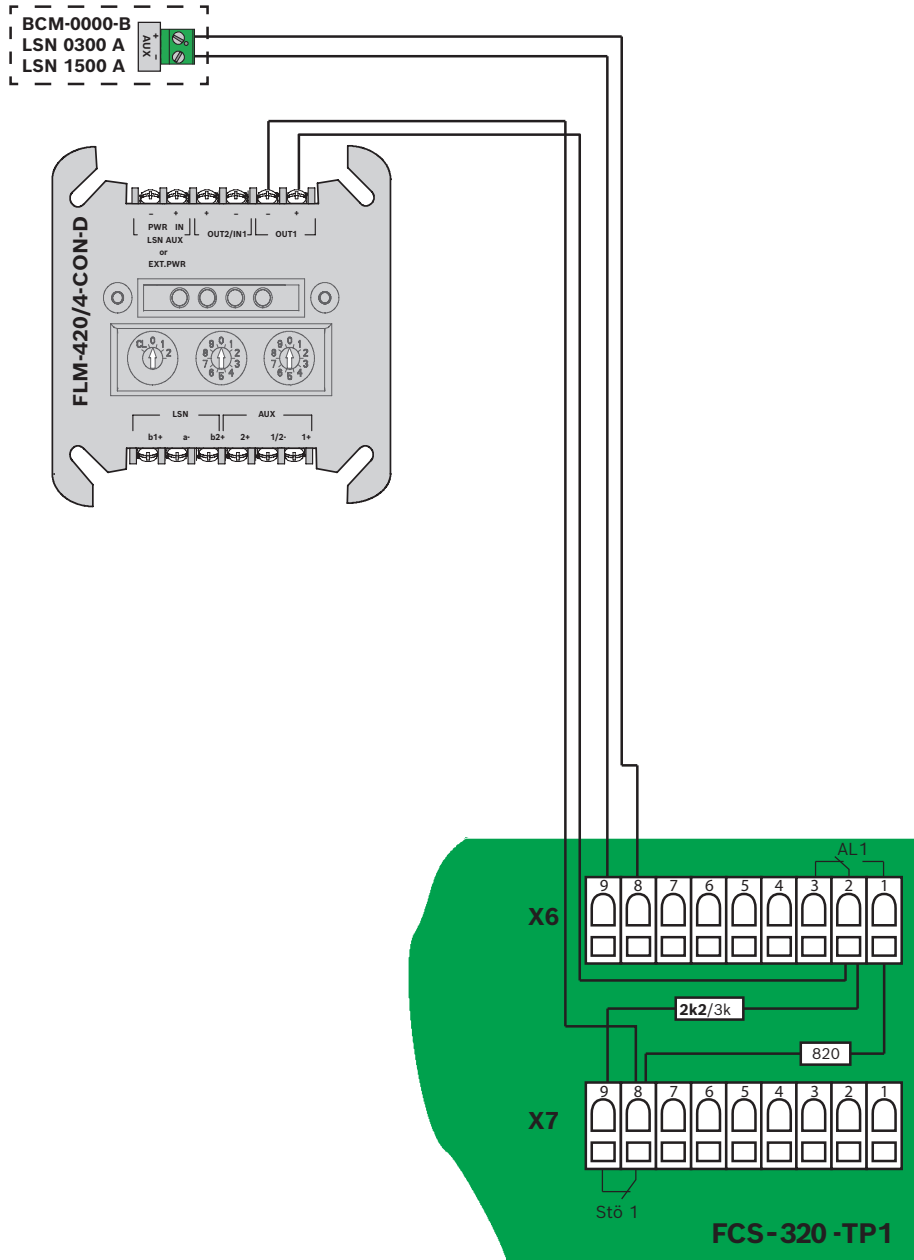
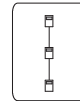


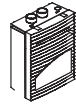
BCM-0000-B
LSN 0300 A
LSN 1500 A



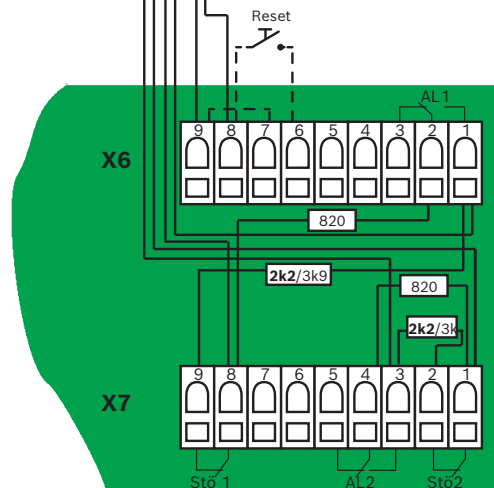
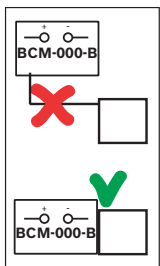
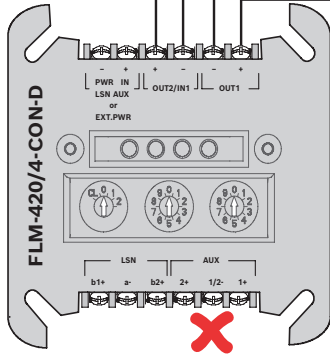
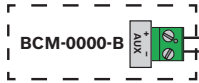


FCS-320-TP Series

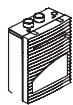




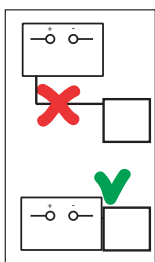
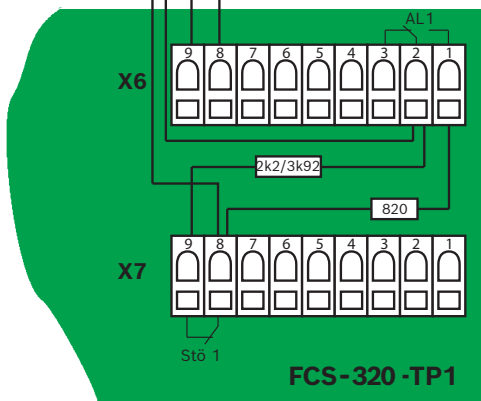
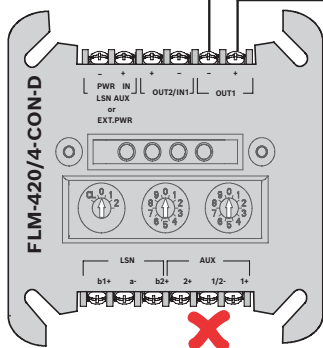
FCS-320-TP Series

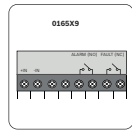


FCS-320-TP2

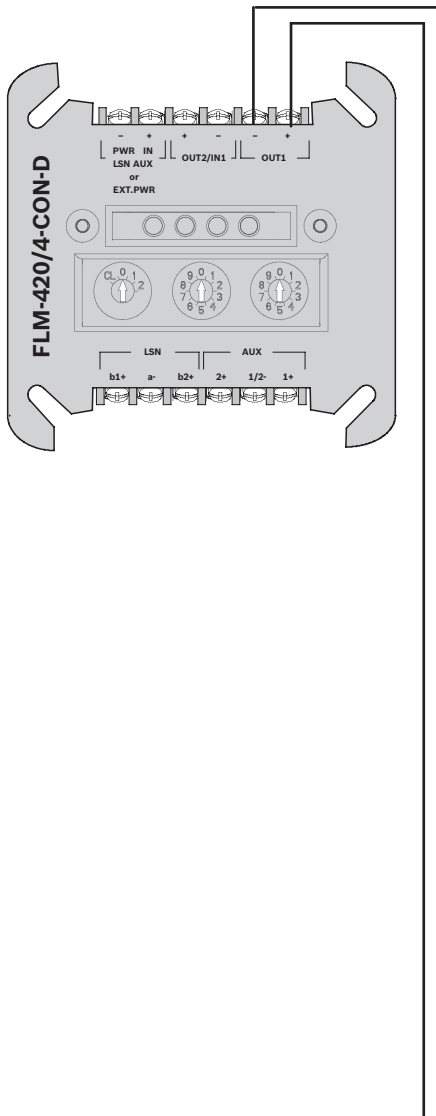
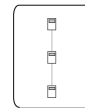


FCS-320-TP1

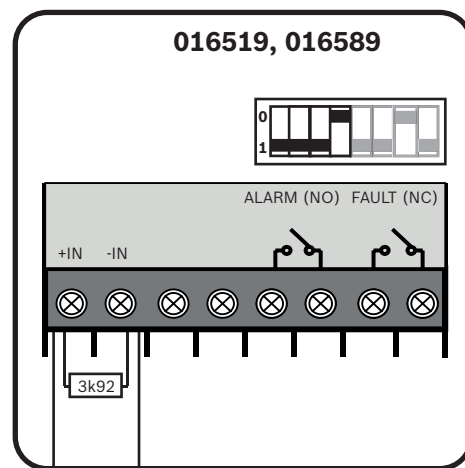


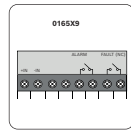


**016519, 016589
IR3 Flame Detector**

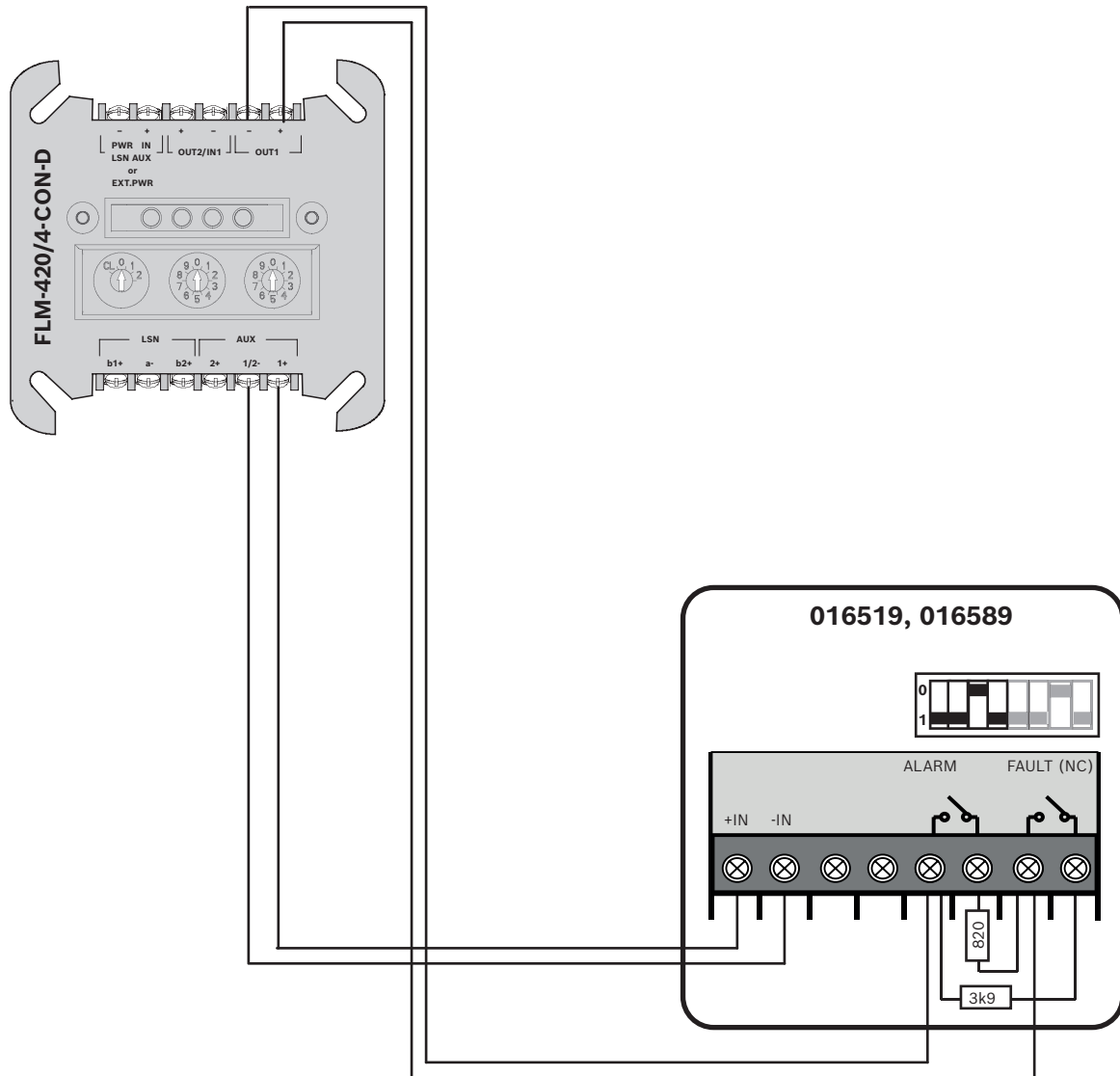
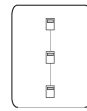


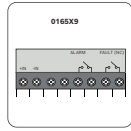
max. 1 x 0165X9



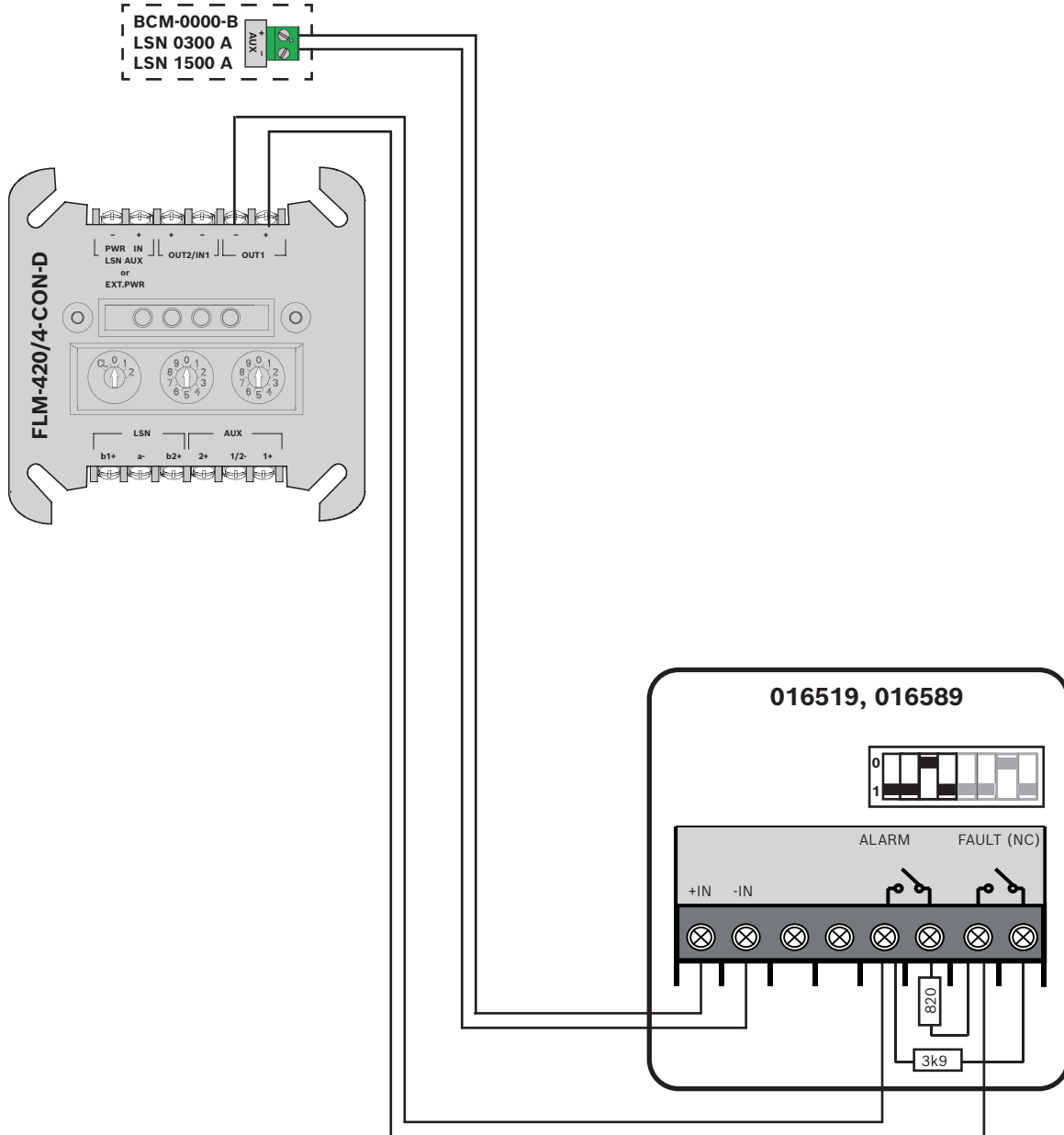
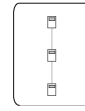


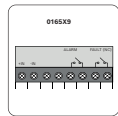
016519, 016589
IR3 Flame Detector



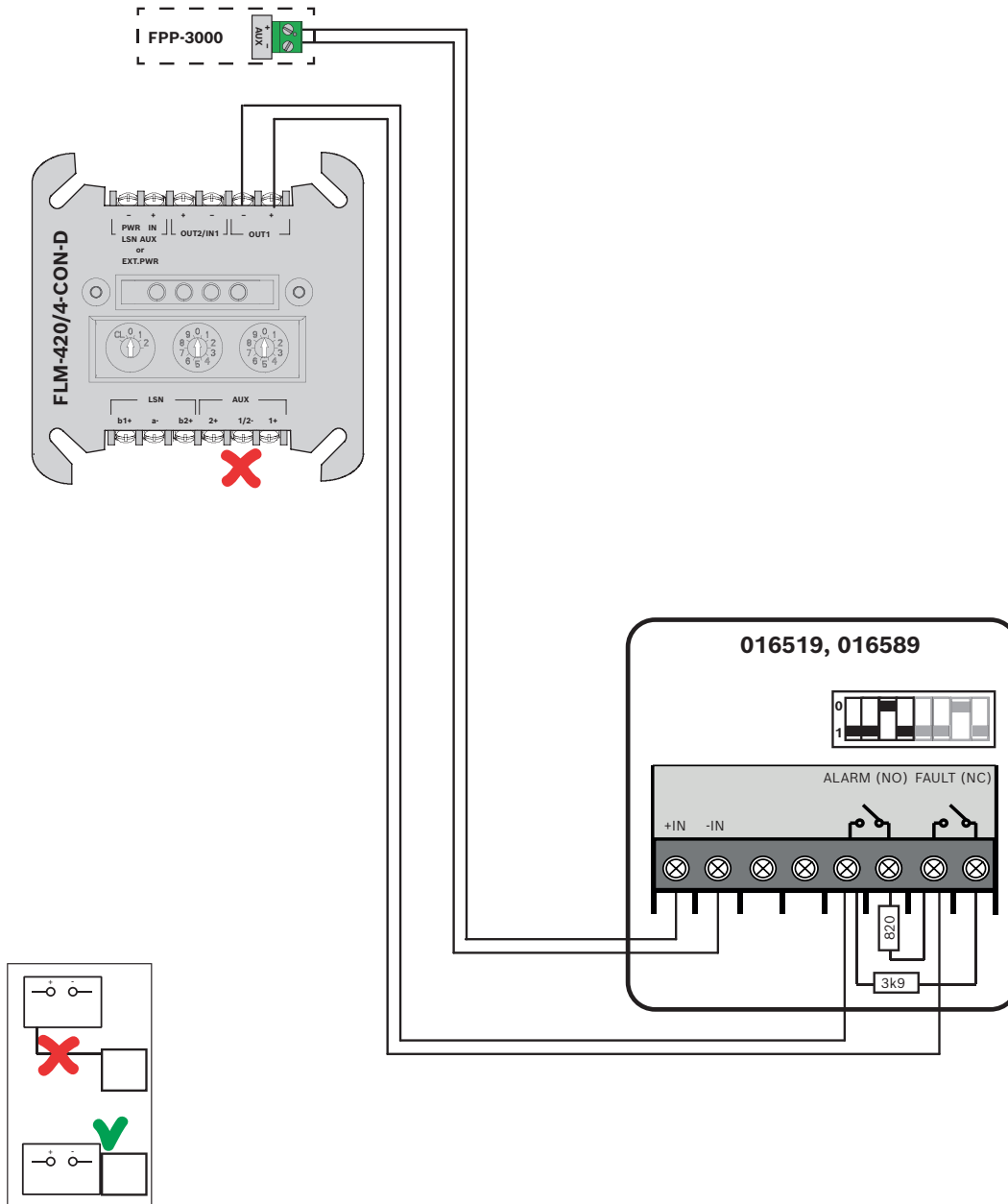


016519, 016589 IR3 Flame Detector



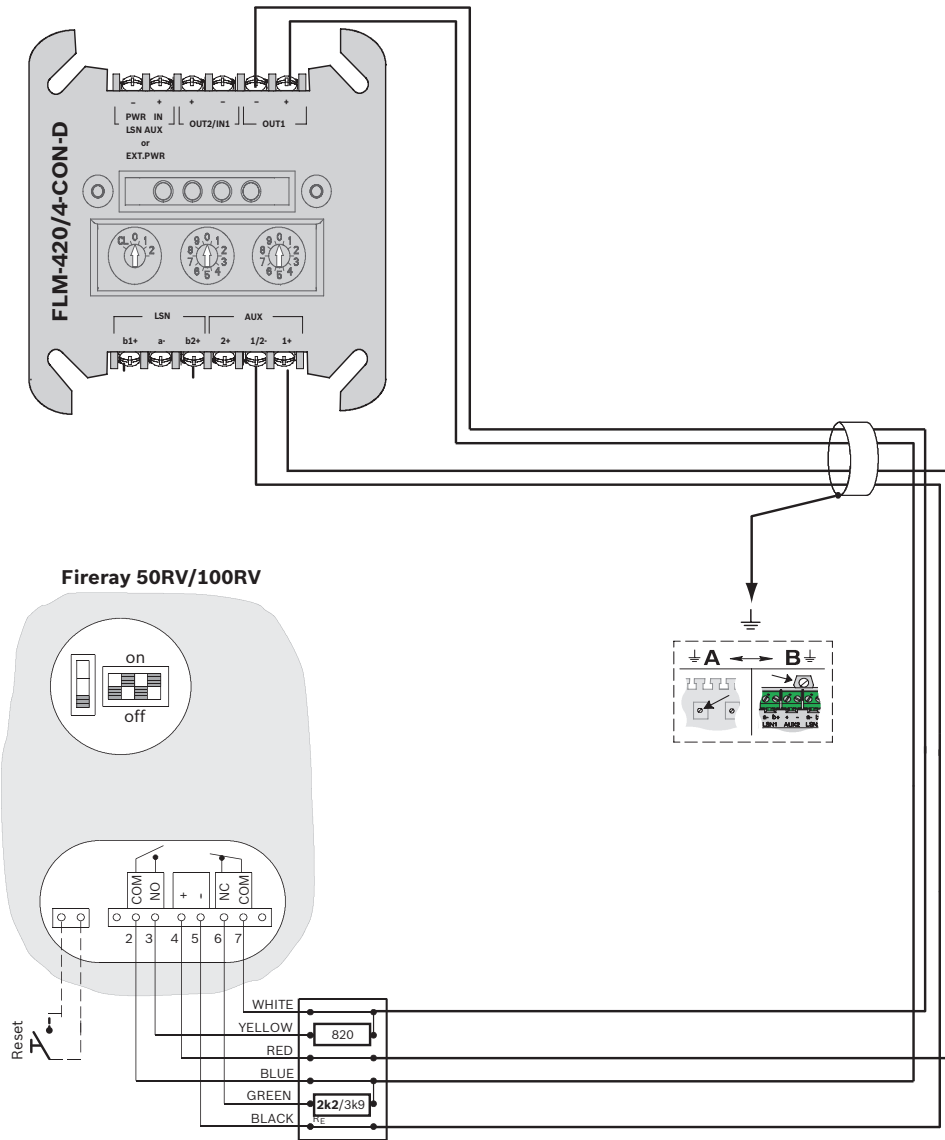


**016519, 016589
IR3 Flame Detector**





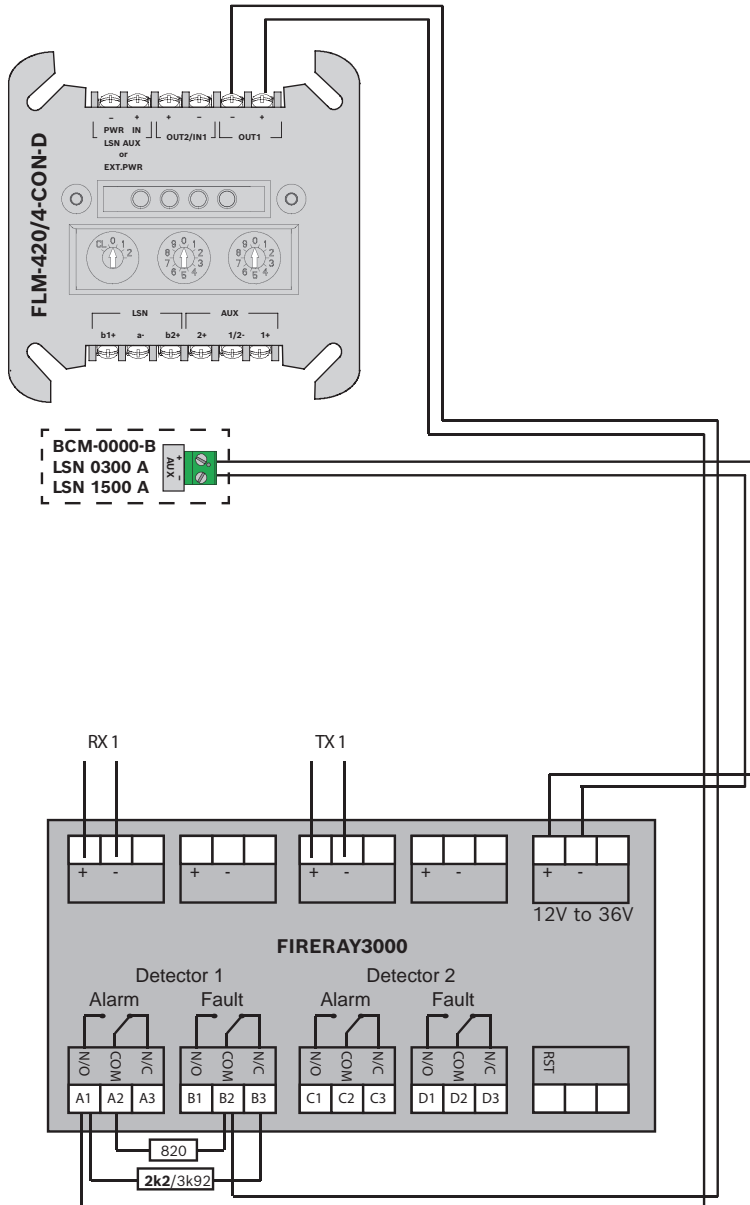
**Fireray 50RV
Fireray 100RV**





FIRERAY3000

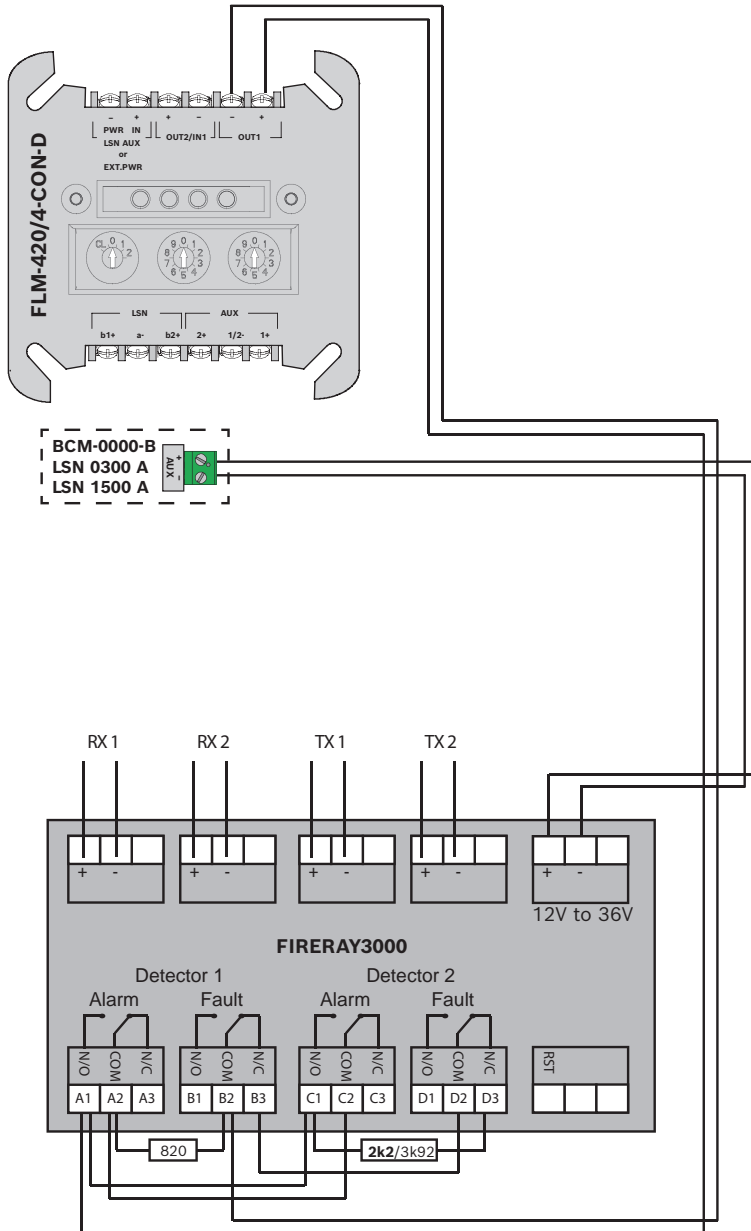
1 x





FIRERAY3000

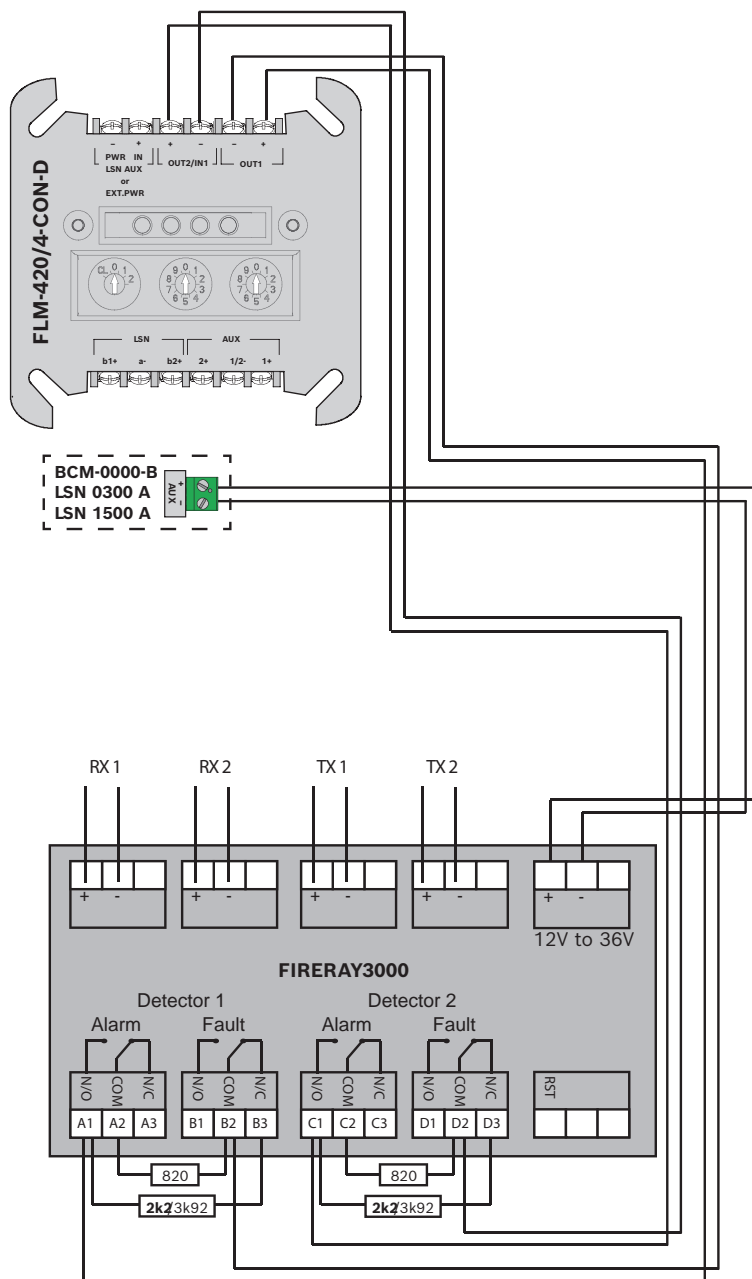
2 x **OUT1**





FIRERAY3000

2 x **OUT1+2**

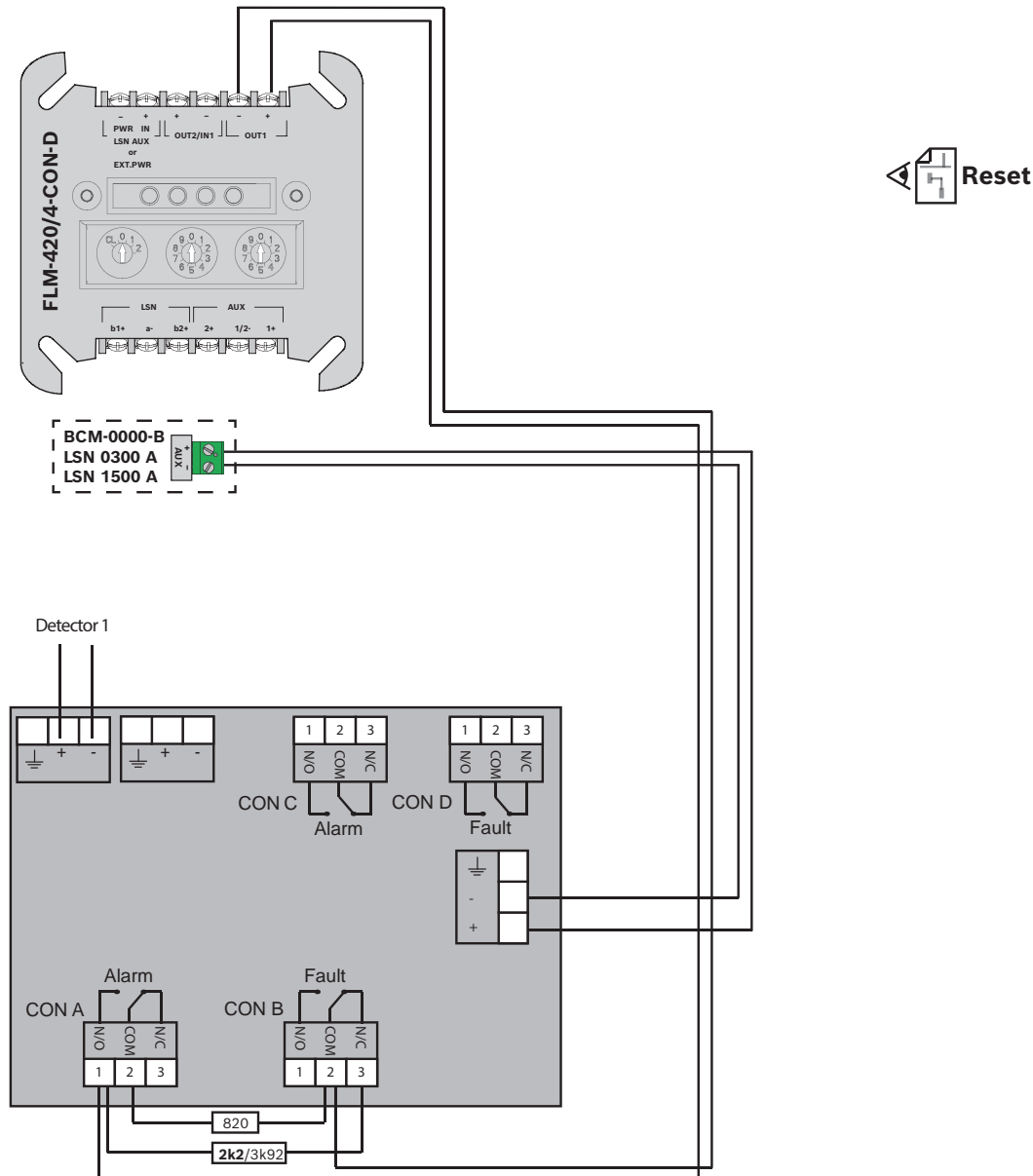


Reset action



FIRERAY5000

1 x

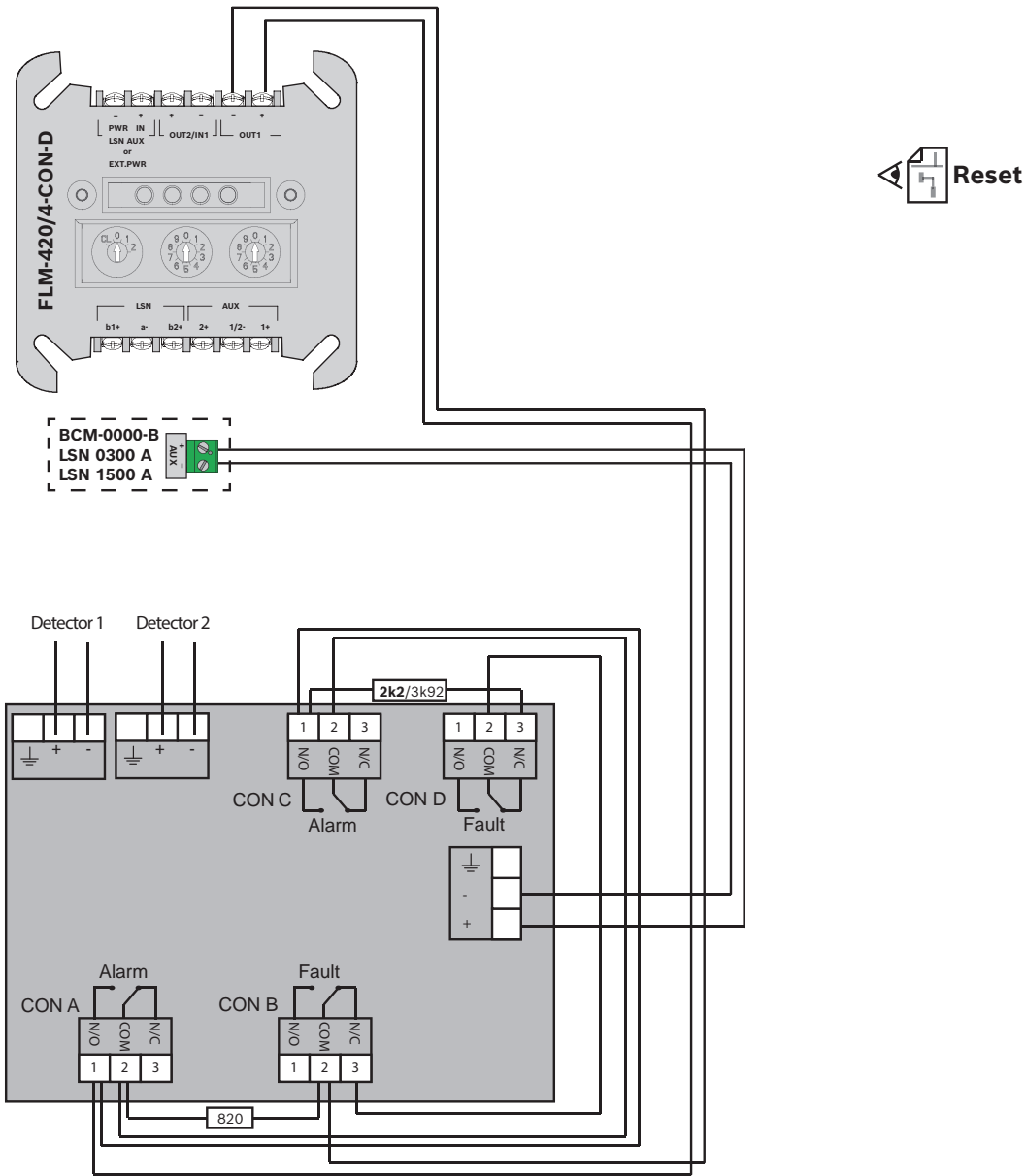


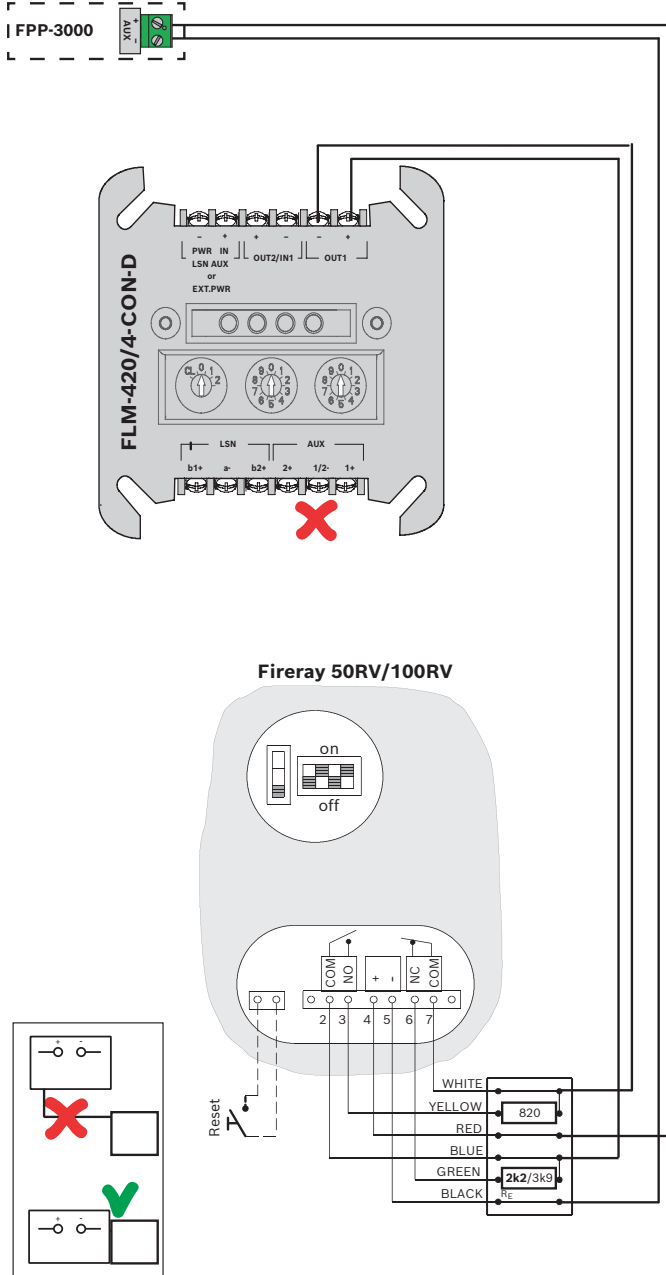
Reset



FIRERAY5000

2 x OUT1

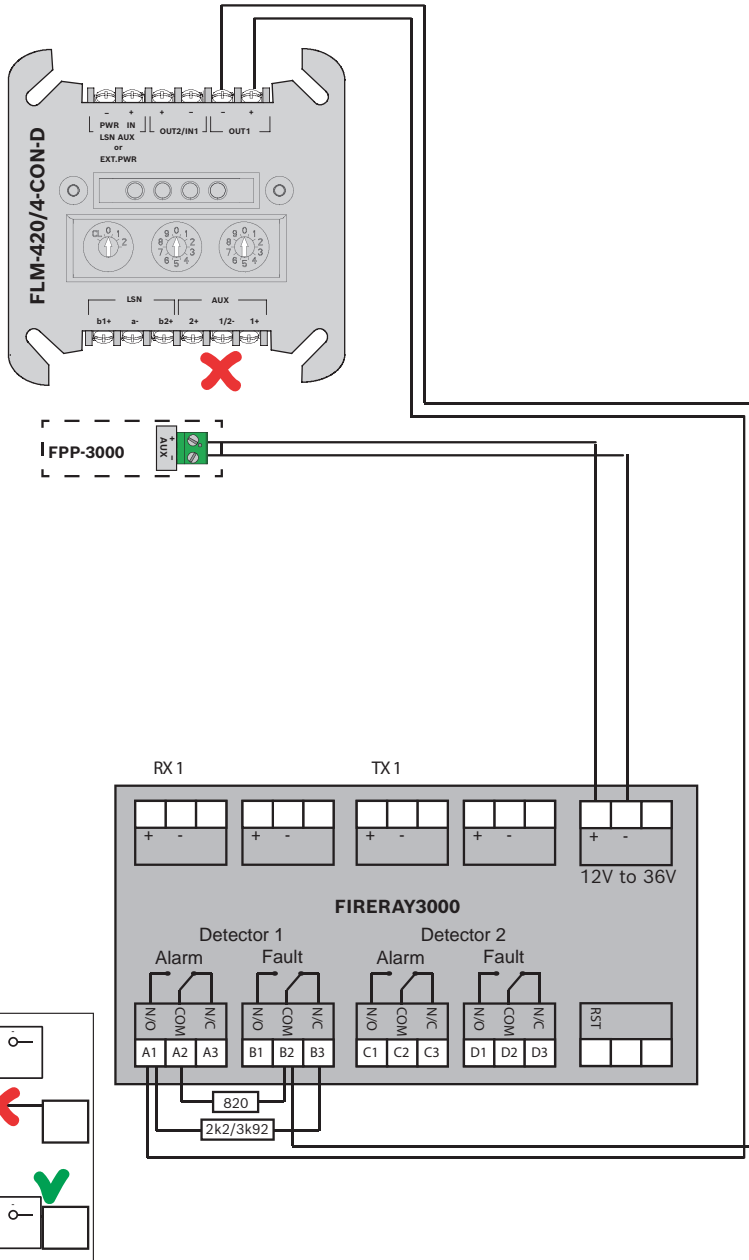




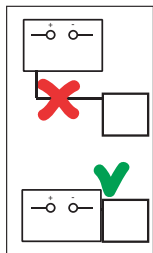


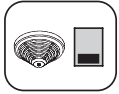
FIRERAY3000

1 x



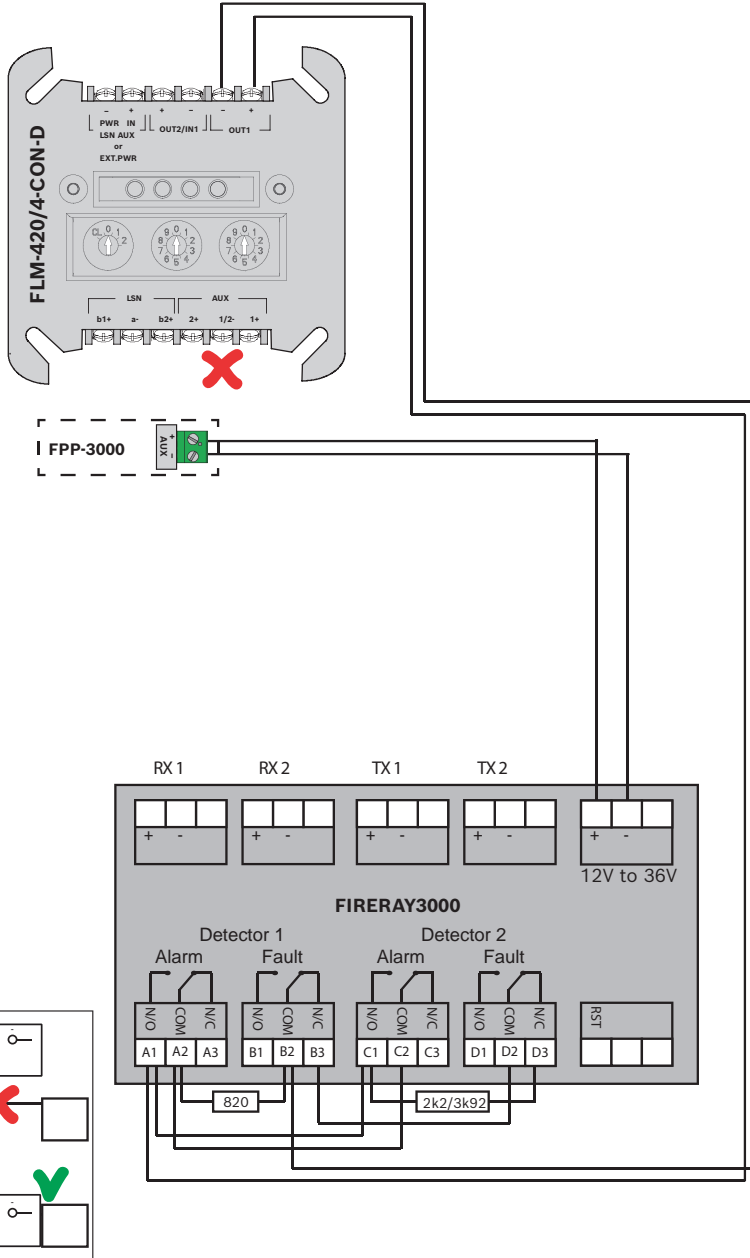
Reset action



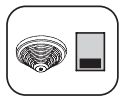


FIRERAY3000

2 x  **OUT1**

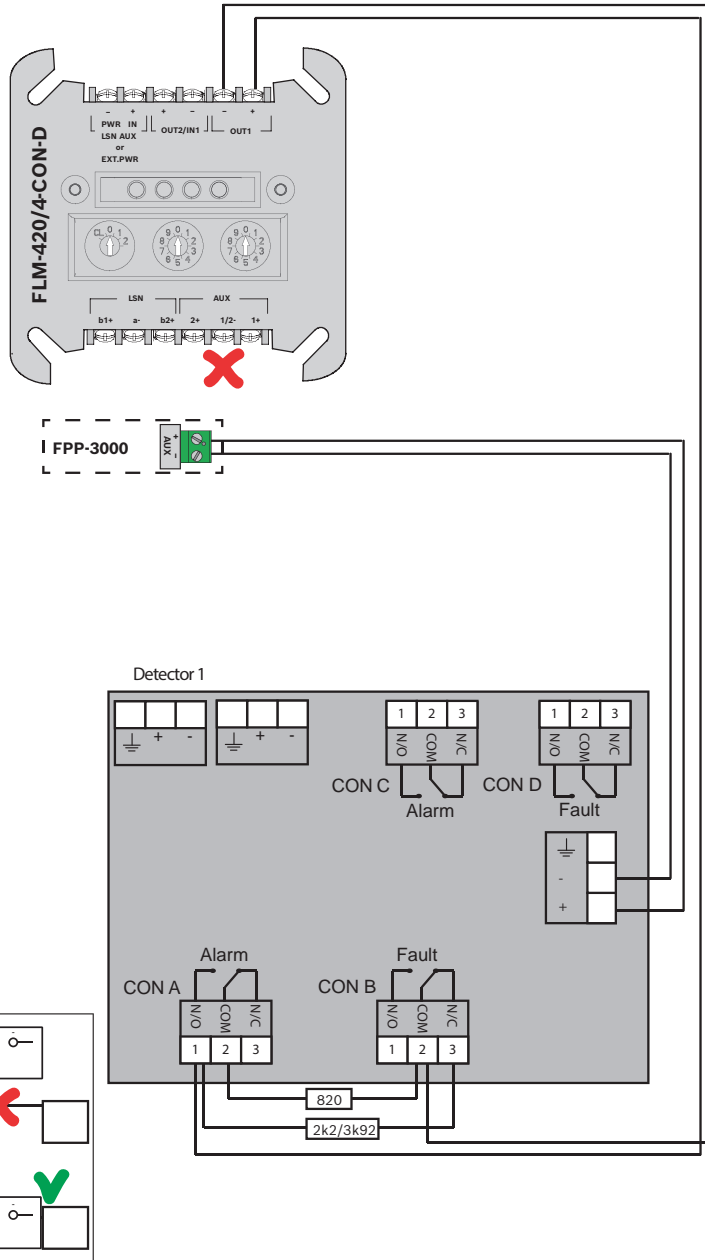


 **Reset action**



FIRERAY5000

1 x 

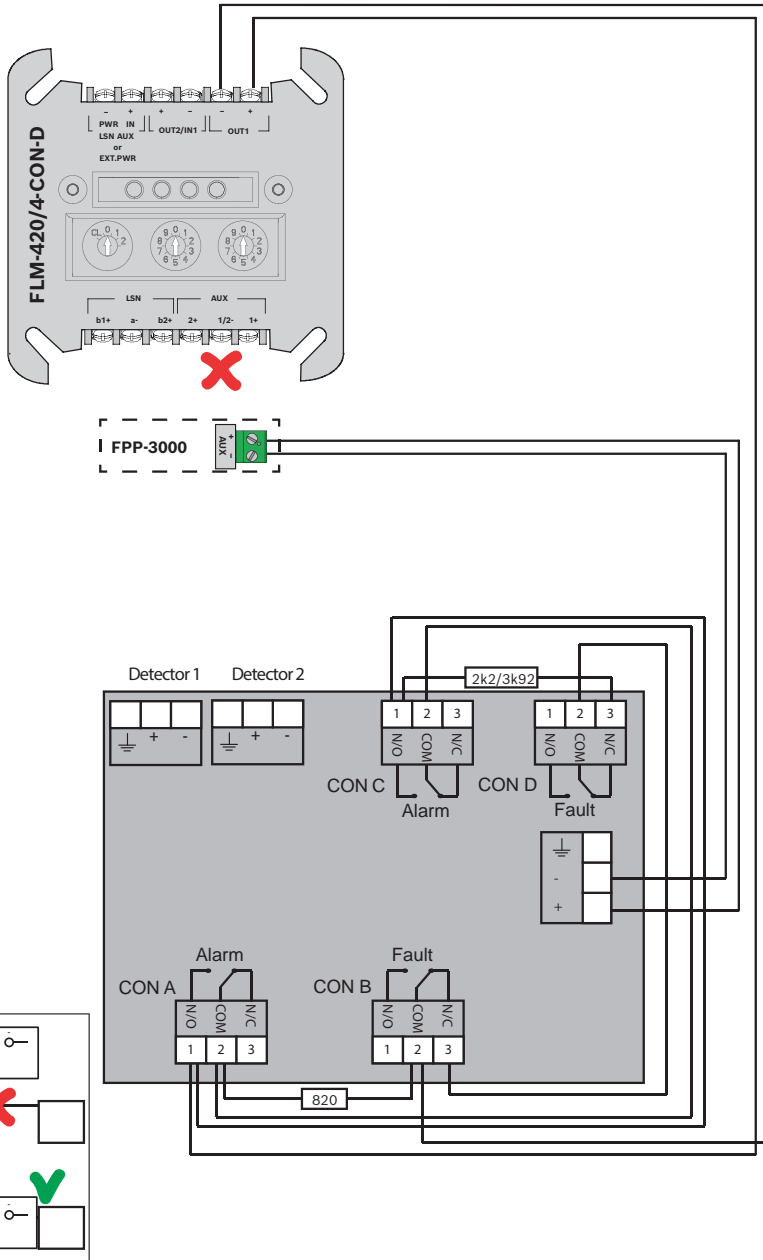


 Reset action

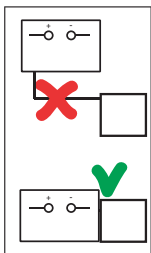


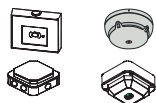
FIRERAY5000

2 x OUT1

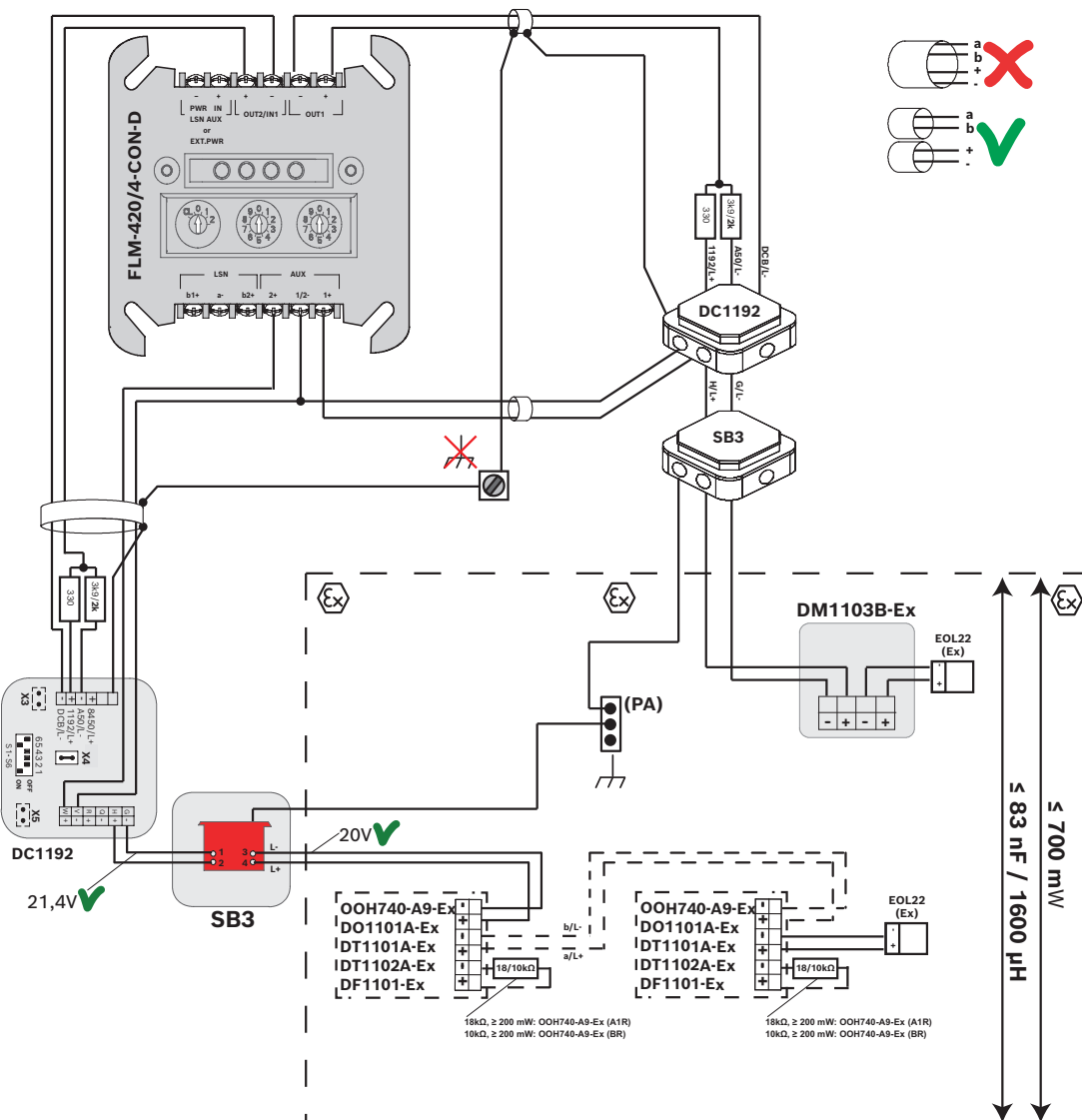


Reset action



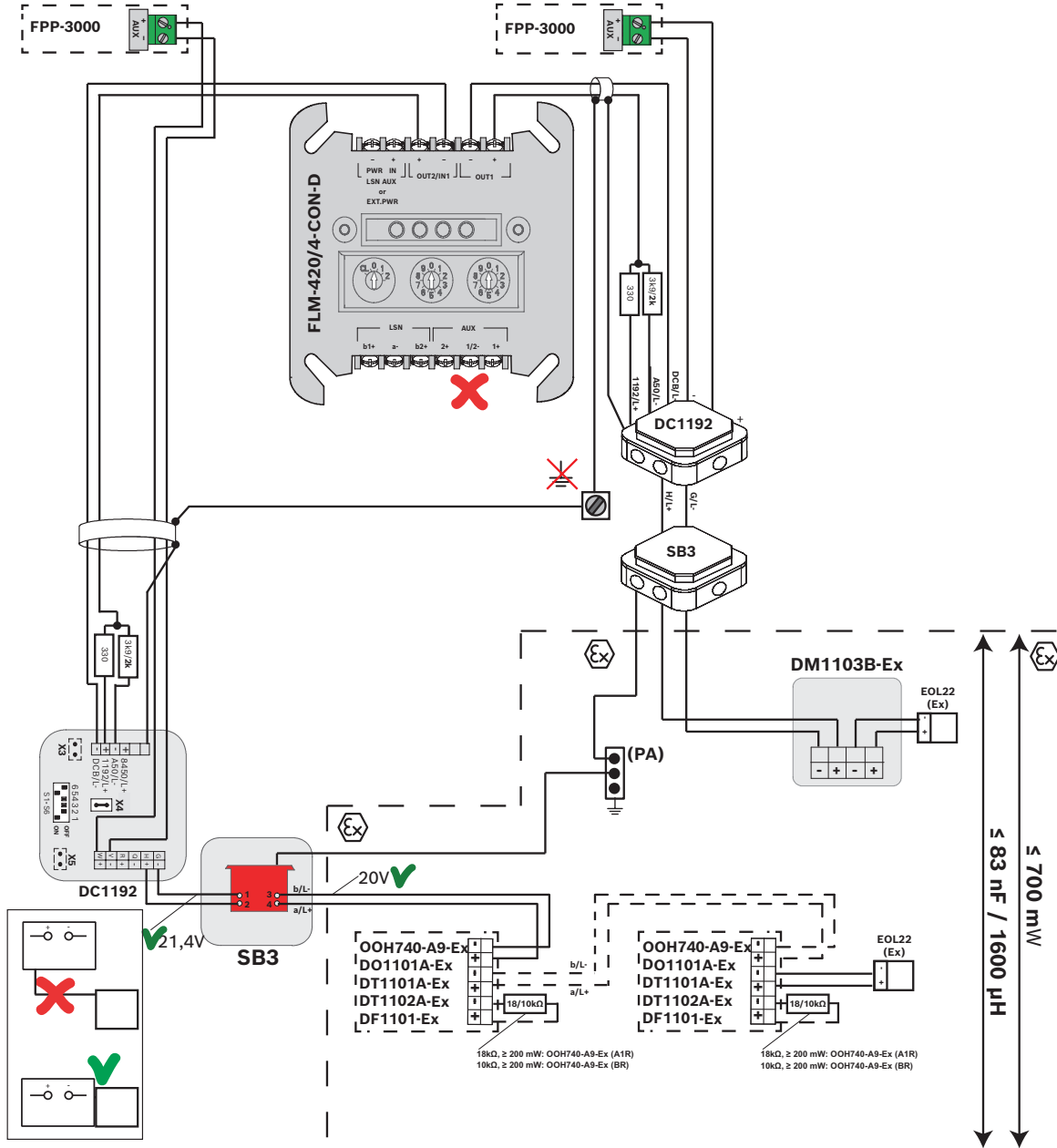


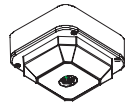
DC1192, SB3
OOH740-A9-Ex
DO1101A-Ex
DT1101A-Ex-
/DT1102A-Ex
DF1101-Ex



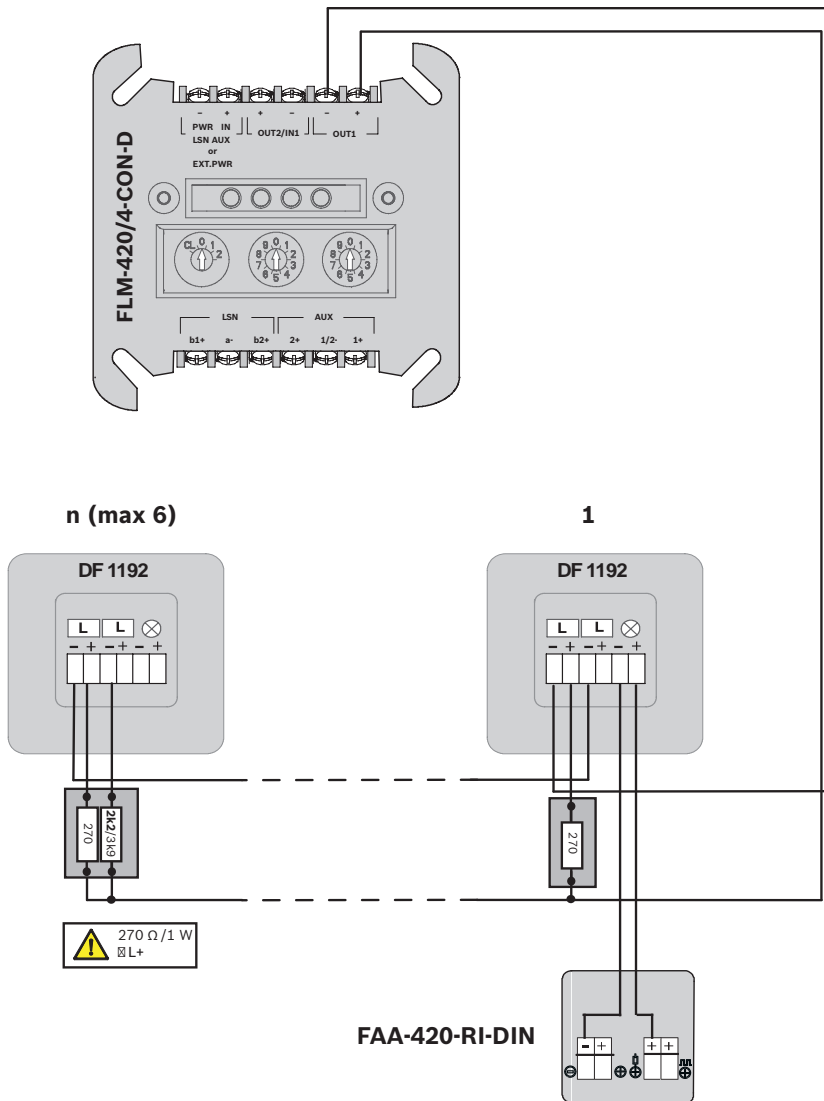


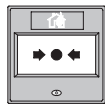
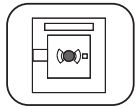
DC1192, SB3
OOH740-A9-Ex
DO1101A-Ex
DT1101A-Ex/DT1102A-Ex
DF1101-Ex
DM1103B-Ex



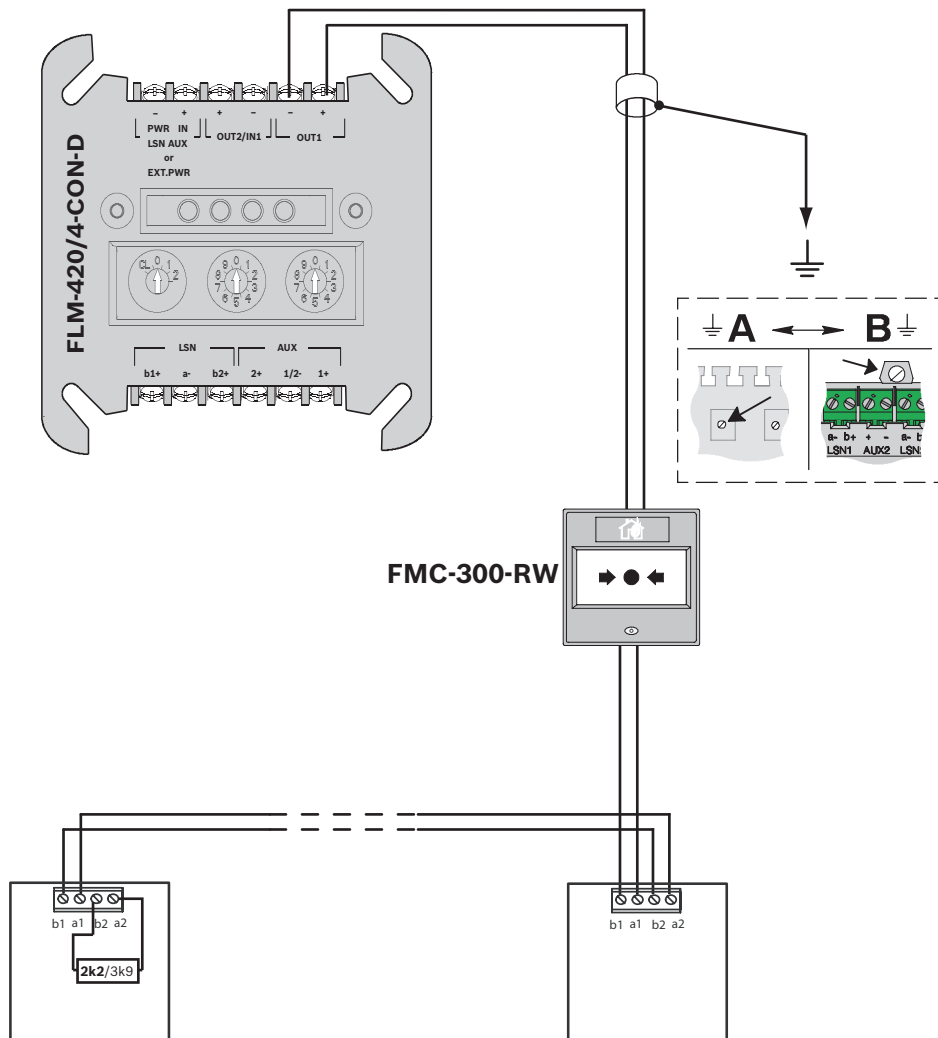
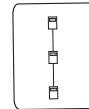


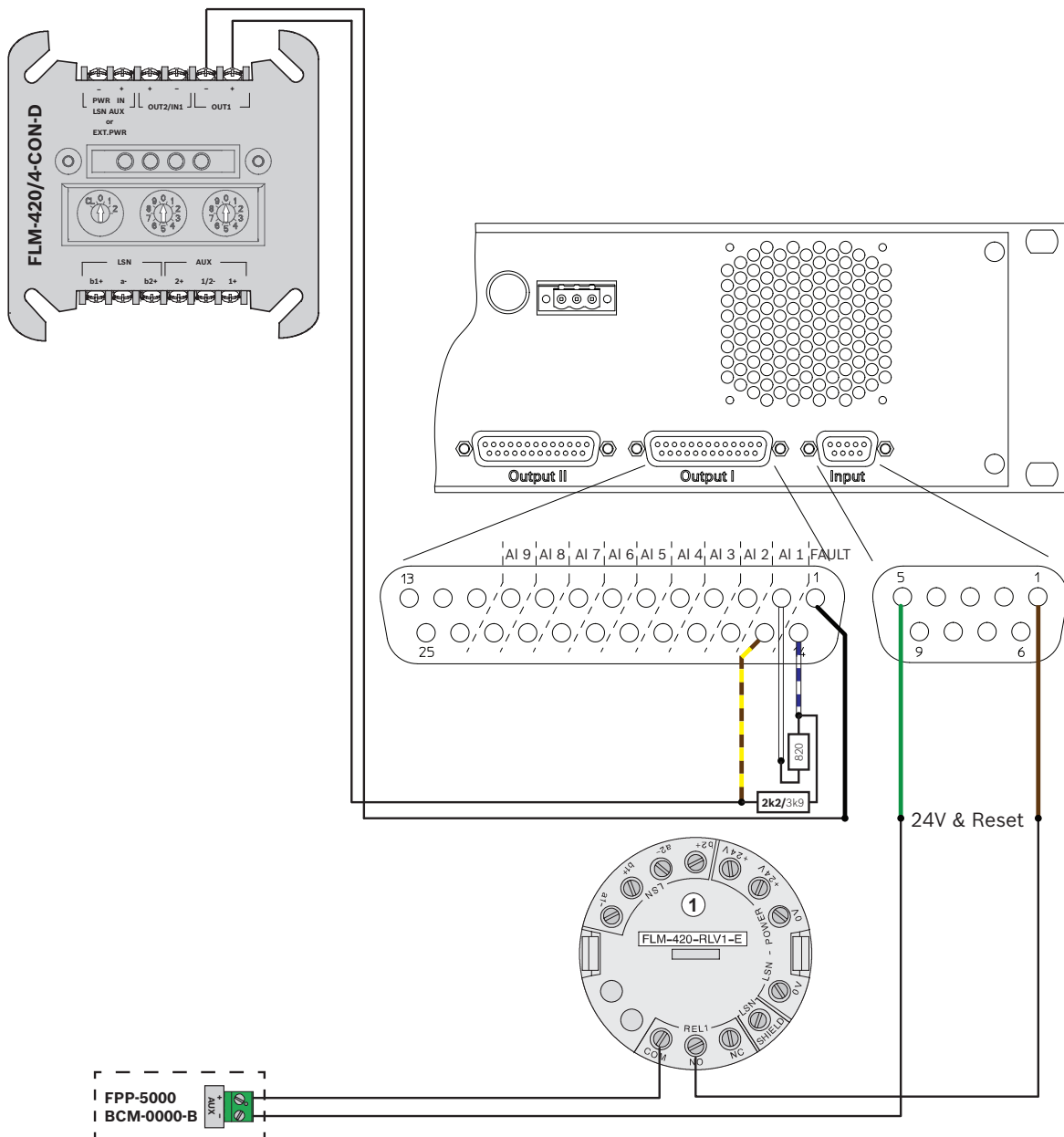
DF 1192

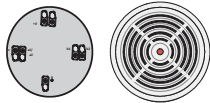




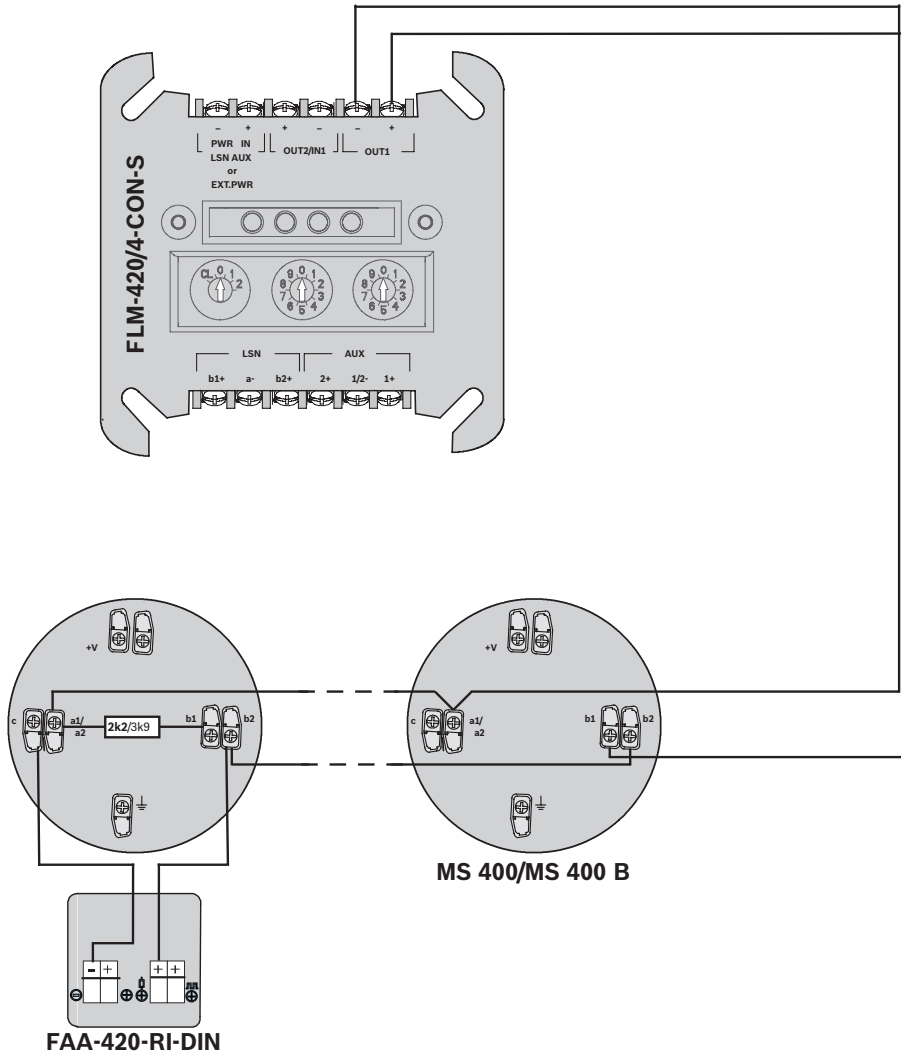
FMC-300-RW

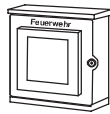
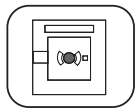




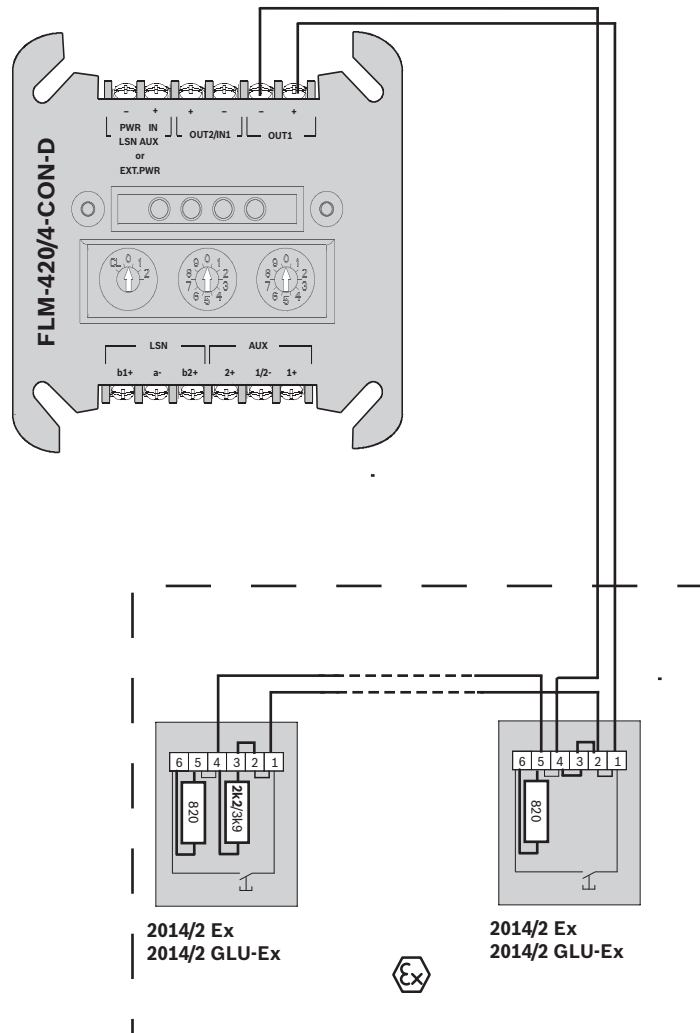
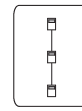


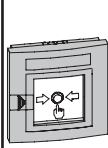
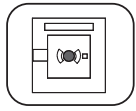
MSS 400, MSS 400 B
 FCH-320-T320
 FCH-T320-R470, FCH-T320-FSA
 FCP-O320, FCP-O320-R470
 FCP-OC320, FCP-OC320-R470
 FCP-OT320, FCP-OT320-R470



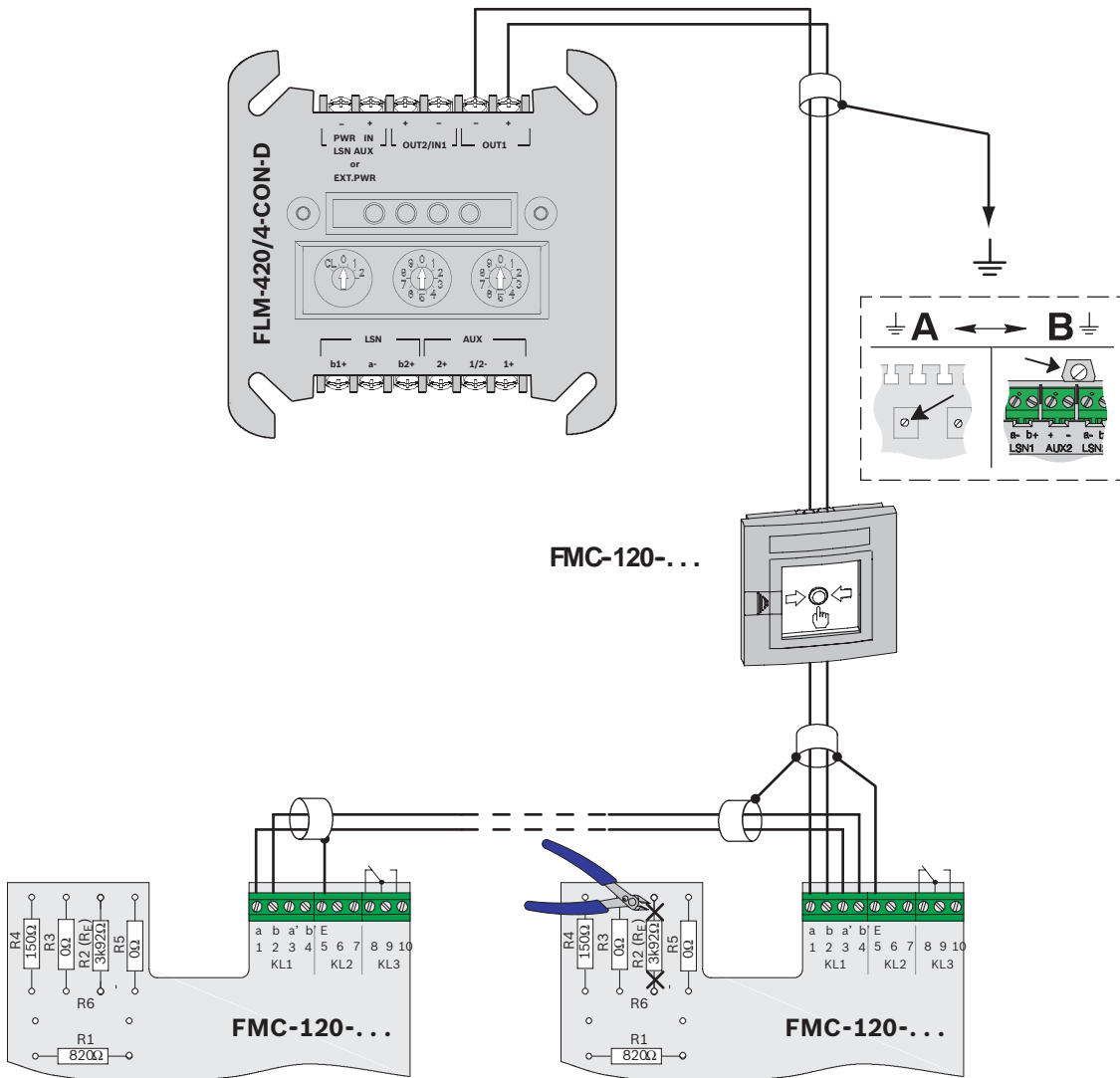
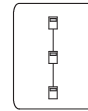


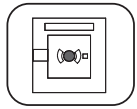
2014/2 Ex
2014/2 GLU-Ex



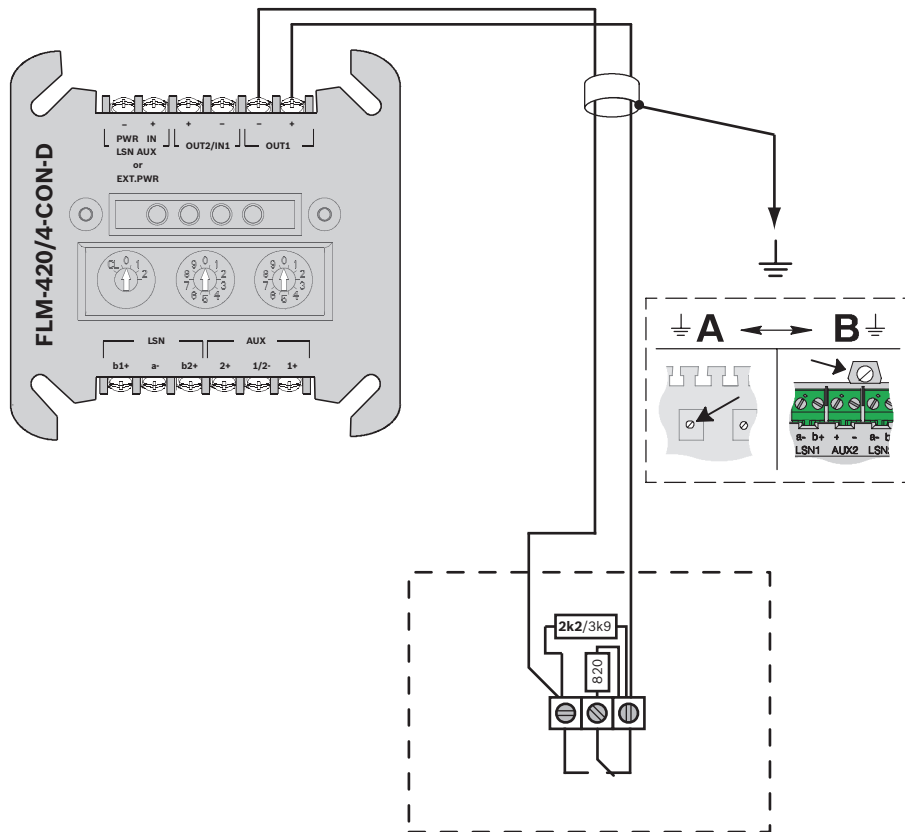
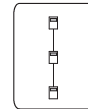


FMC-120-DKM-G-R FMC-120-DKM-G-Y
FMC-120-DKM-H-R FMC-120-EST-G-B
FMC-120-DKM-G-B
FMC-120-DKM-H-B



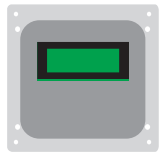


NO



2.5.2

FLM-420-I8R1-S

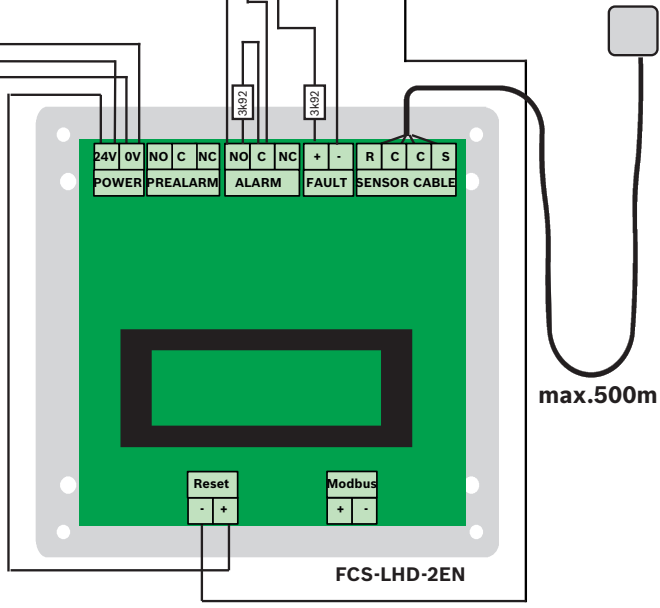
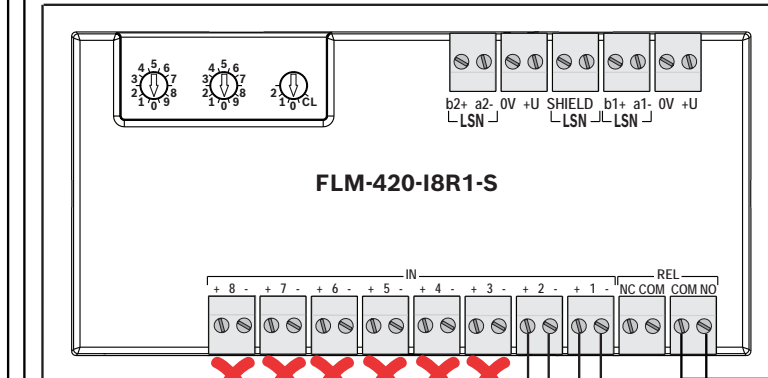


ProReact EN Analogue

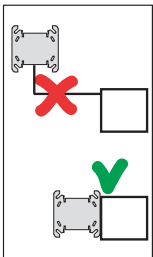
FCS-LHD-2EN

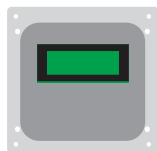


FPP-5000
BCM-0000-B



max.500m





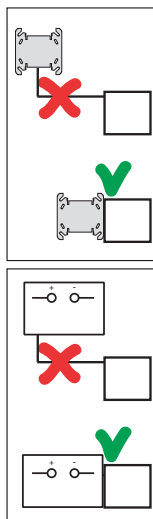
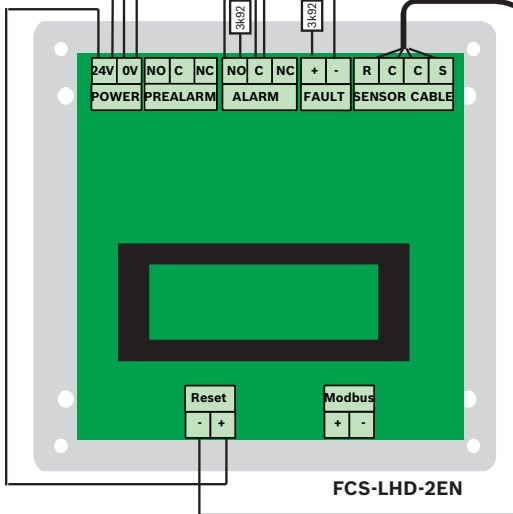
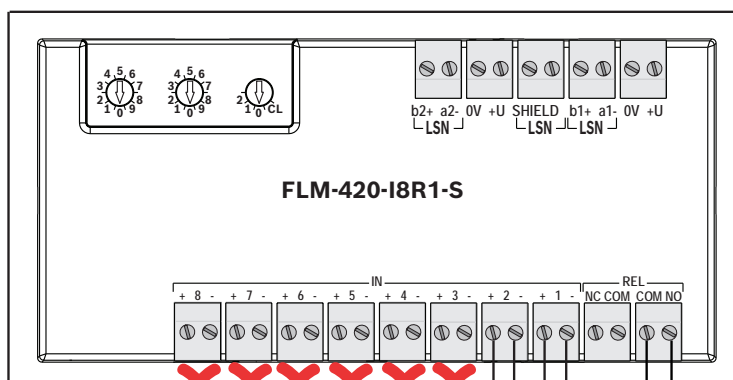
ProReact EN Analogue

FCS-LHD-2EN

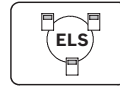


ELS

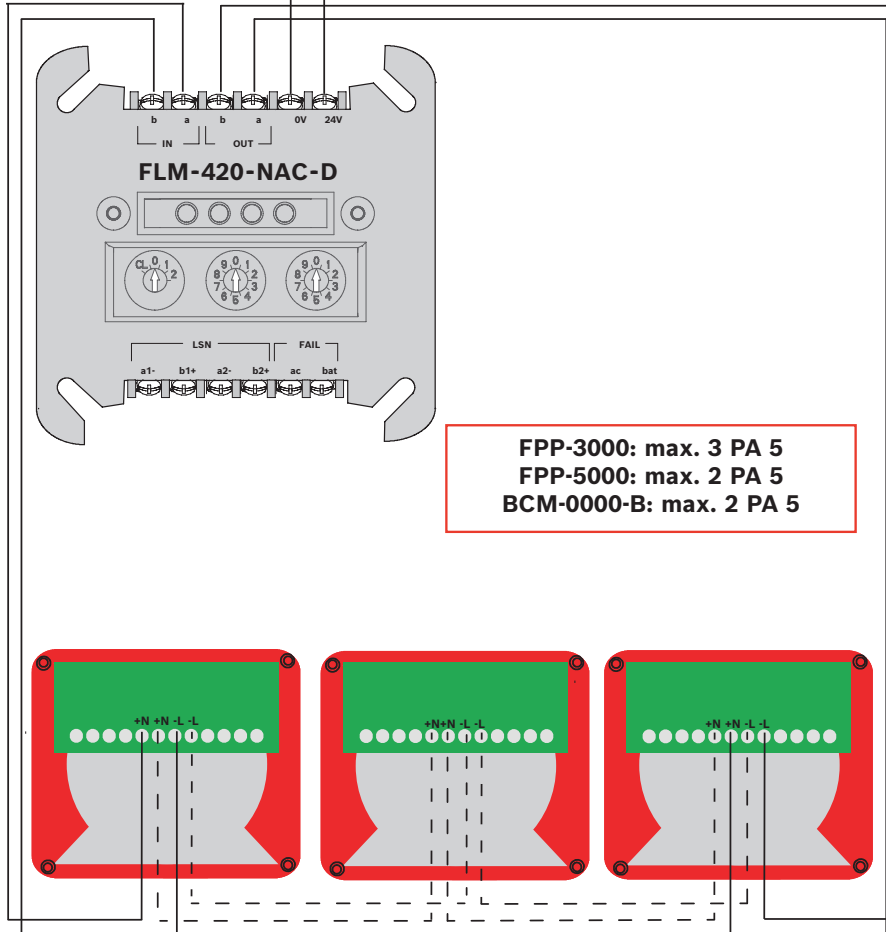
FPP-3000(ZSP135-DR)
FPP-5000
BCM-0000-B



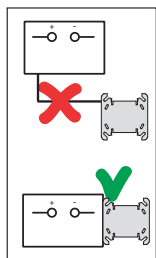
2.5.3 FLM-420-NAC-D/S



FPP-3000(ZSP135-DR)
 FPP-5000
 BCM-0000-B

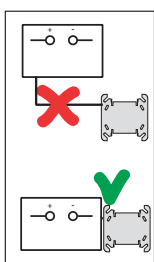
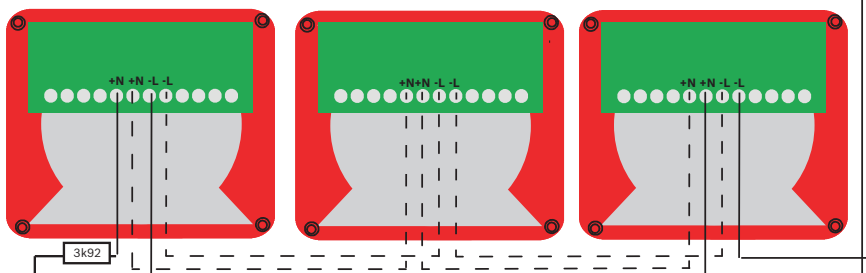
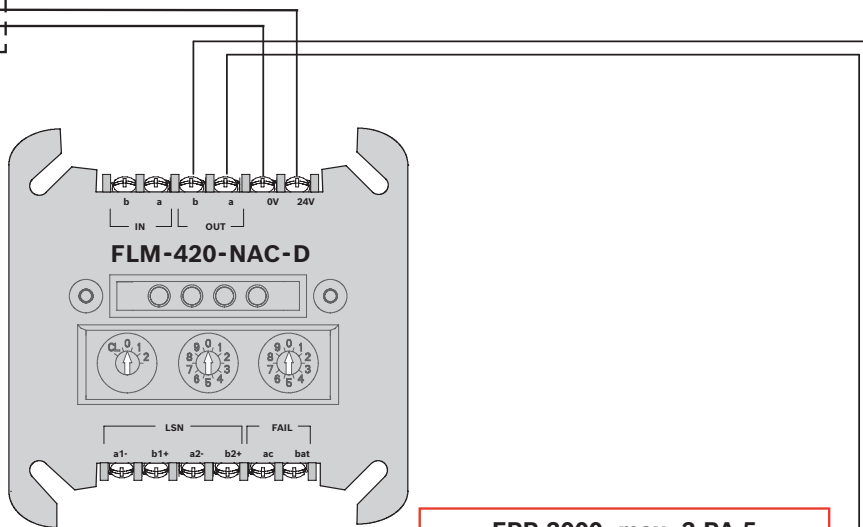


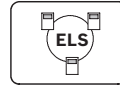
FPP-3000: max. 3 PA 5
FPP-5000: max. 2 PA 5
BCM-0000-B: max. 2 PA 5



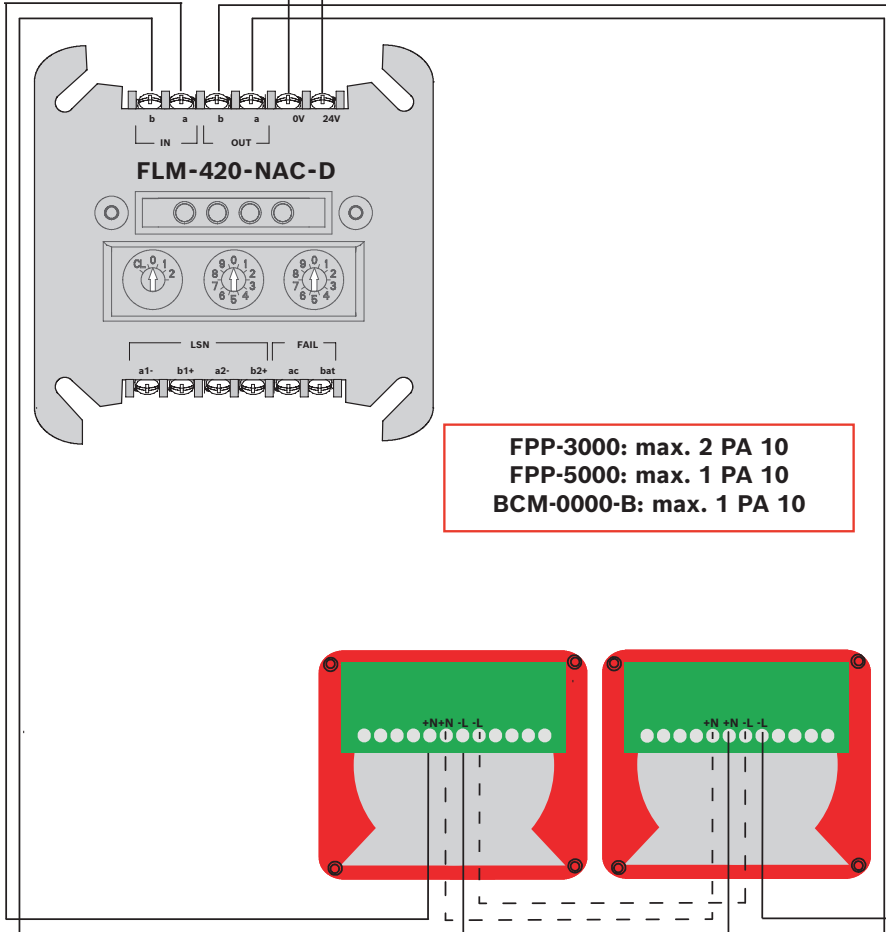


FPP-3000
FPP-5000
BCM-0000-B

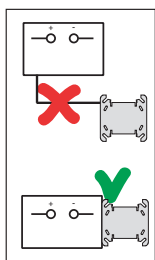




FPP-3000(ZSP135-DR)
FPP-5000
BCM-0000-B

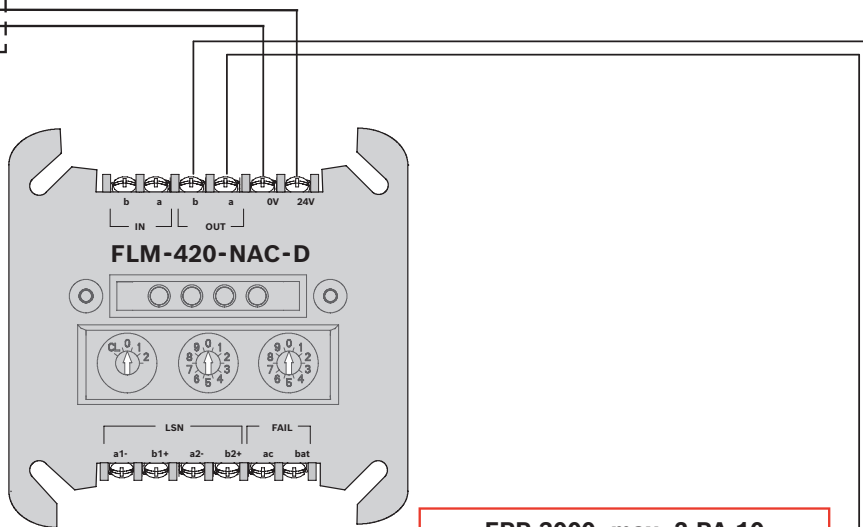


FPP-3000: max. 2 PA 10
FPP-5000: max. 1 PA 10
BCM-0000-B: max. 1 PA 10

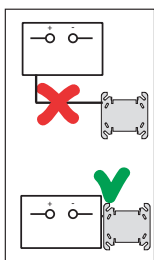
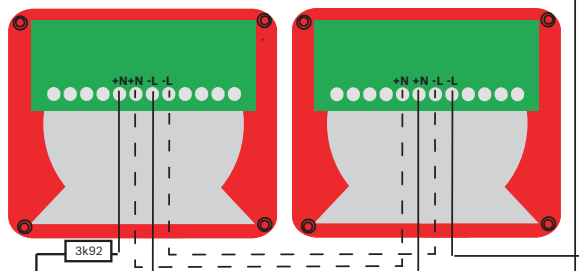


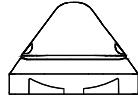


FPP-3000
FPP-5000
BCM-0000-B

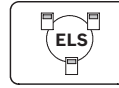


FPP-3000: max. 2 PA 10
FPP-5000: max. 1 PA 10
BCM-0000-B: max. 1 PA 10

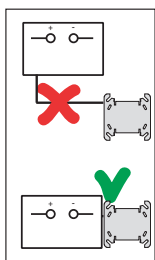
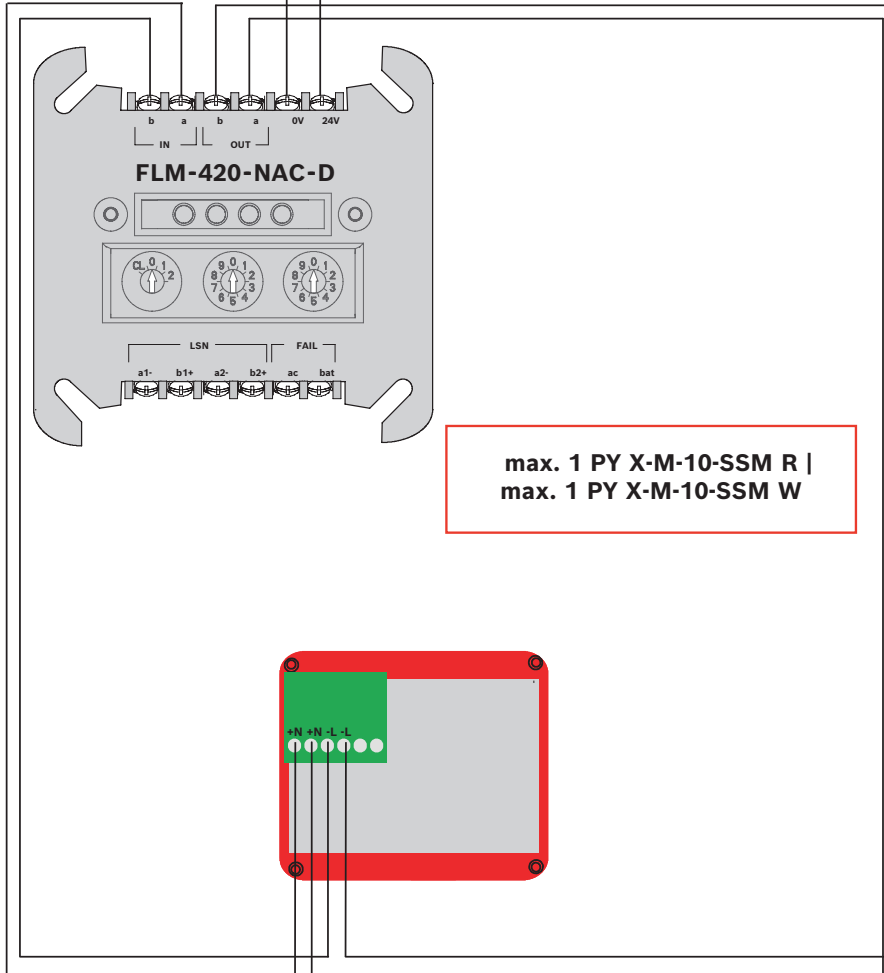


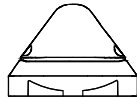


PY X-M-10-SSM R
PY X-M-10-SSM W



FPP-3000(ZSP-135-DR)
FPP-5000
BCM-0000-B

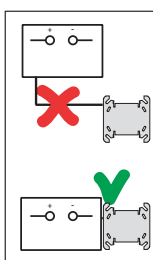
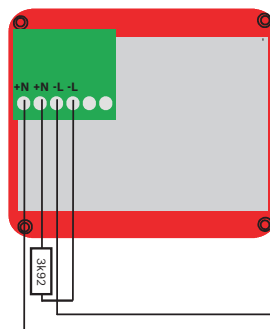
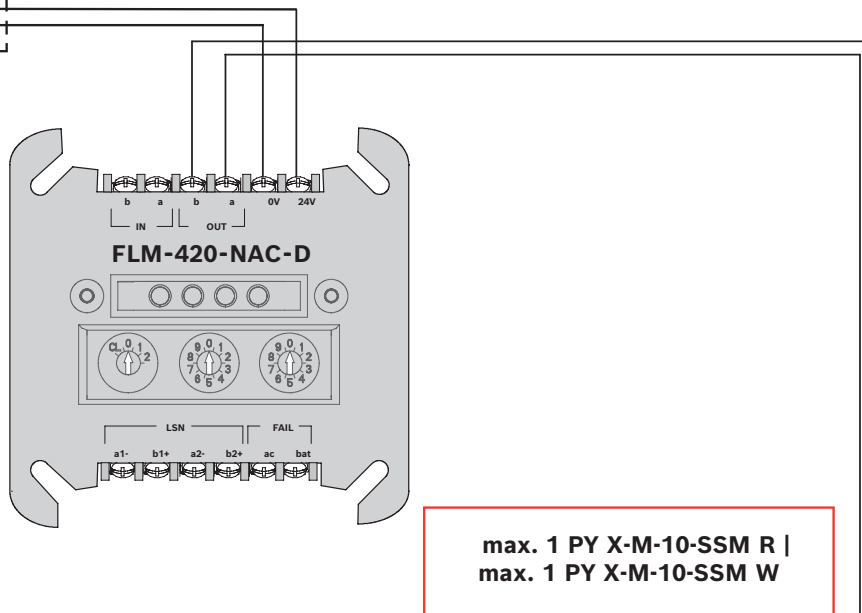




PY X-M-10-SSM R
PY X-M-10-SSM W

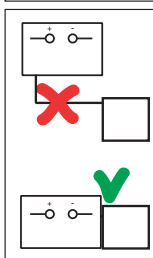
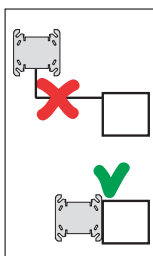
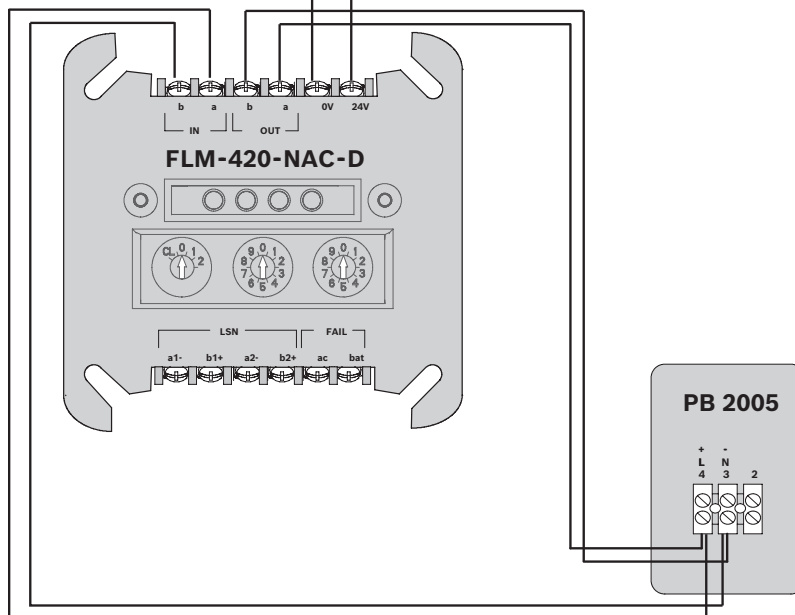
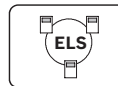


FPP-3000
FPP-5000
BCM-0000-B





PB 2005

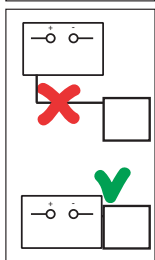
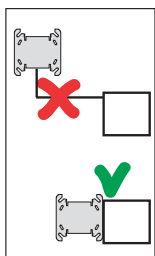
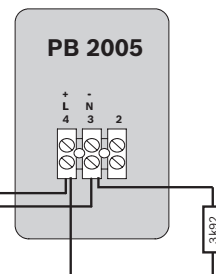
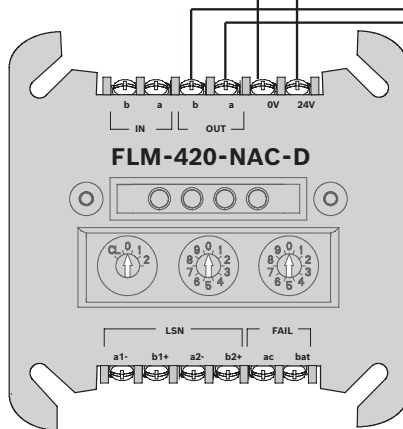


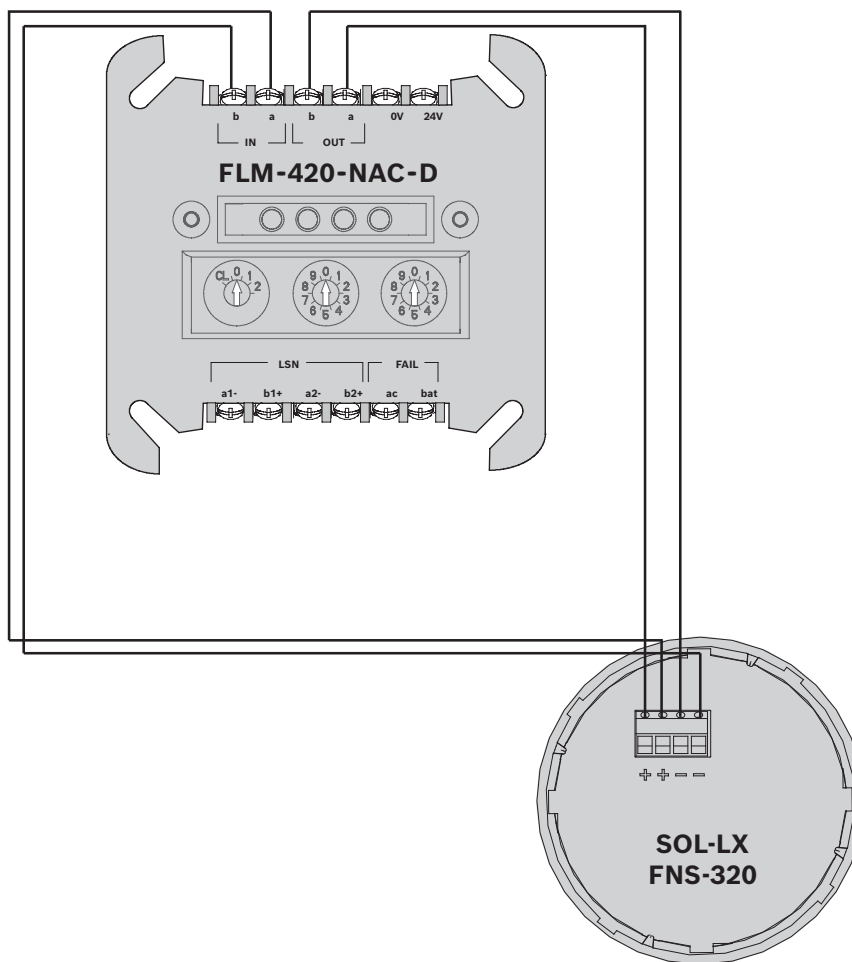
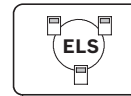


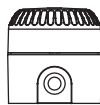
PB 2005



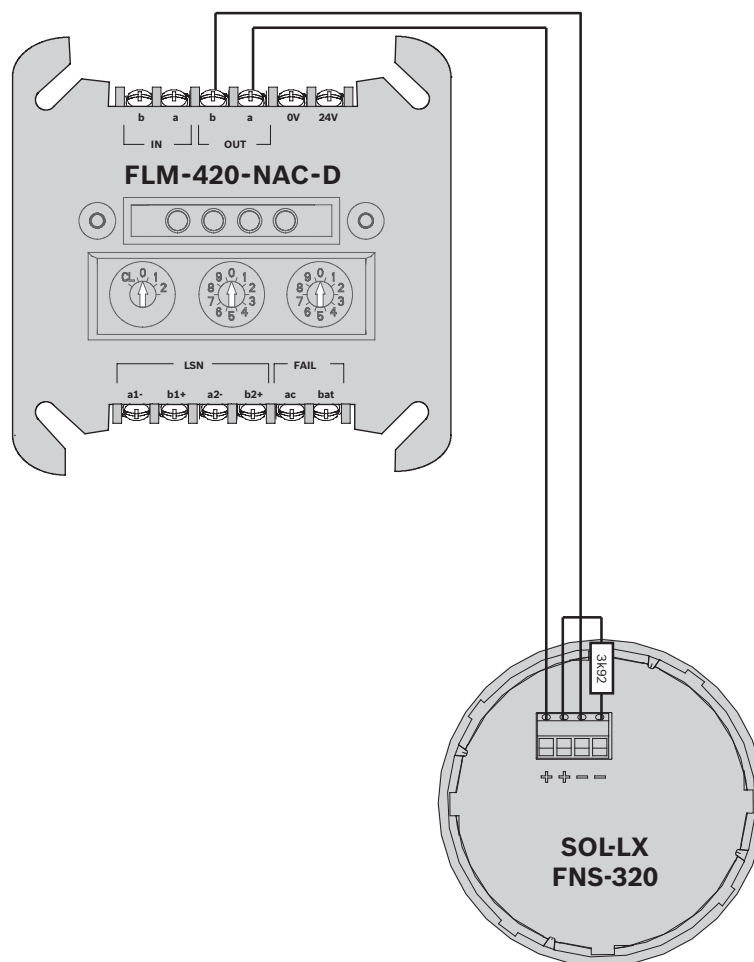
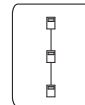
FPP-5000
BCM-0000-B

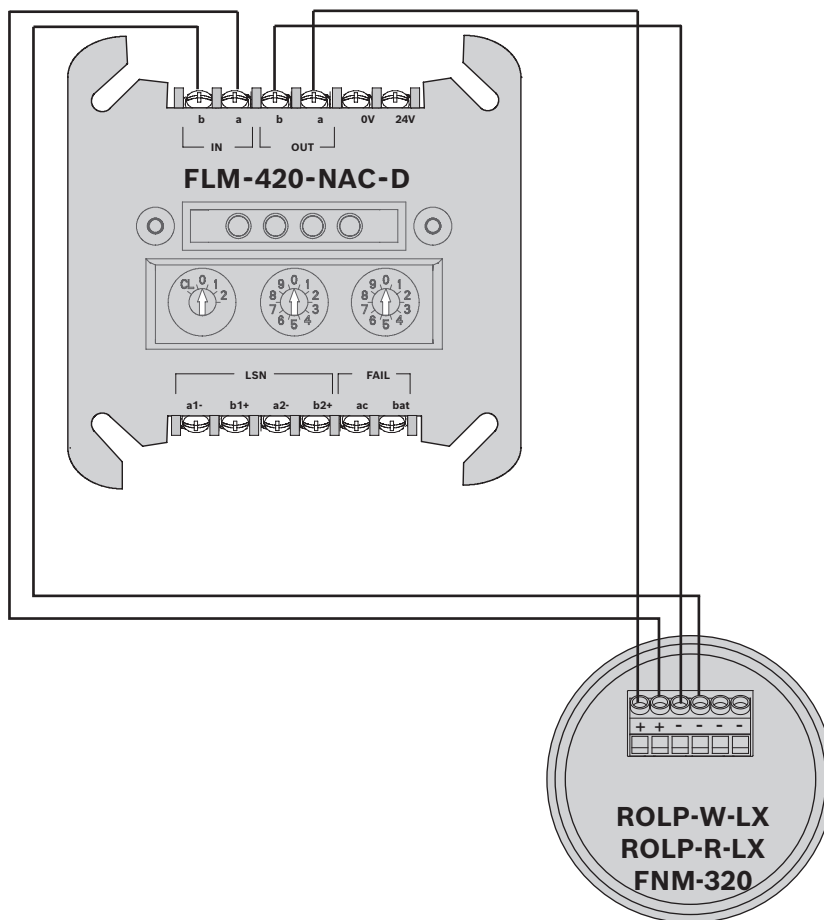
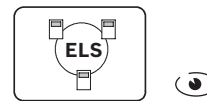


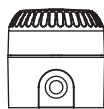
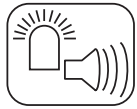




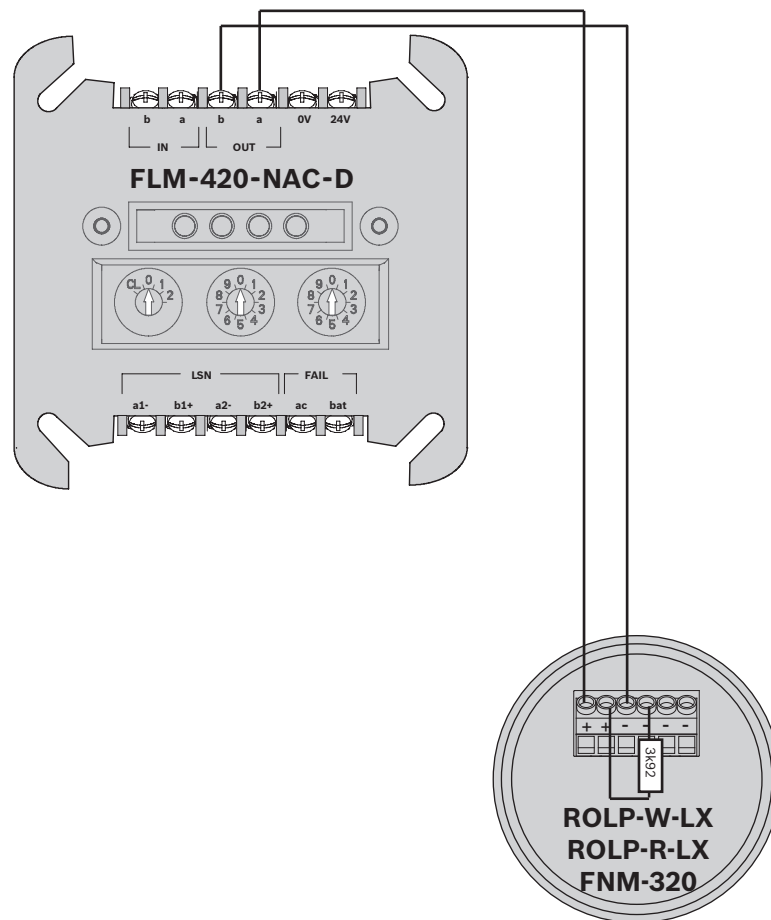
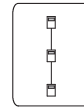
**SOL-LX
FNS-320**



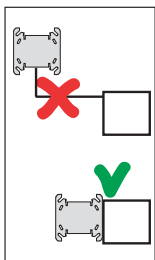
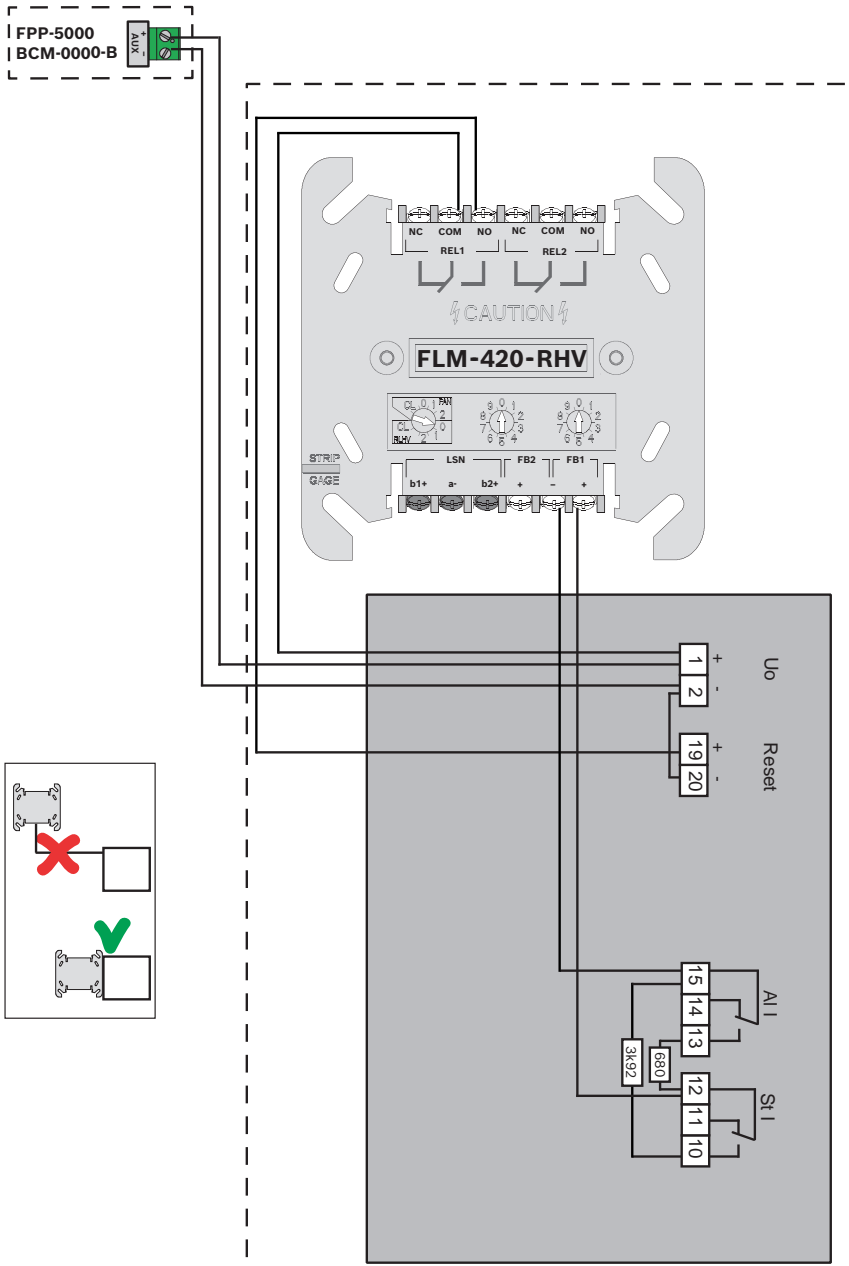




ROLP-W-LX
ROLP-R-LX
FNM-320

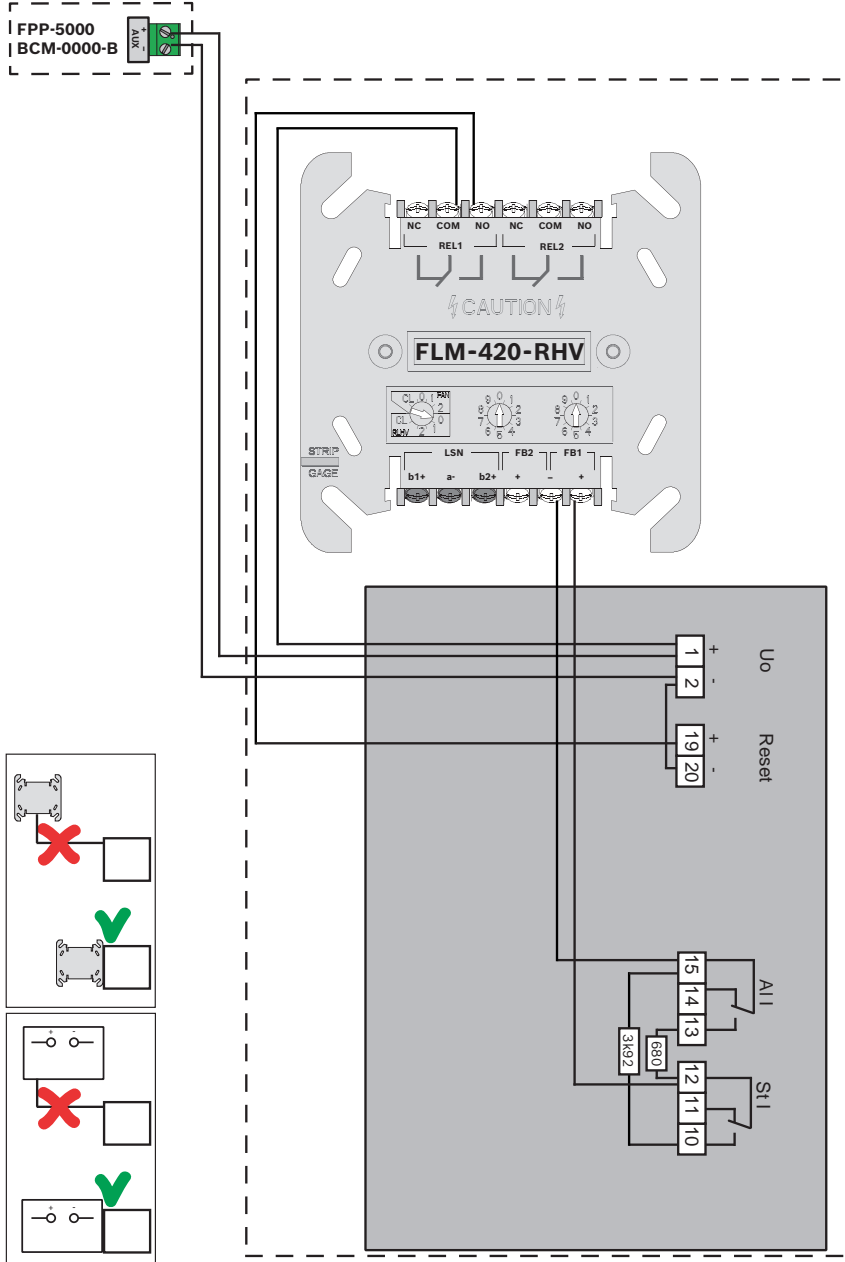


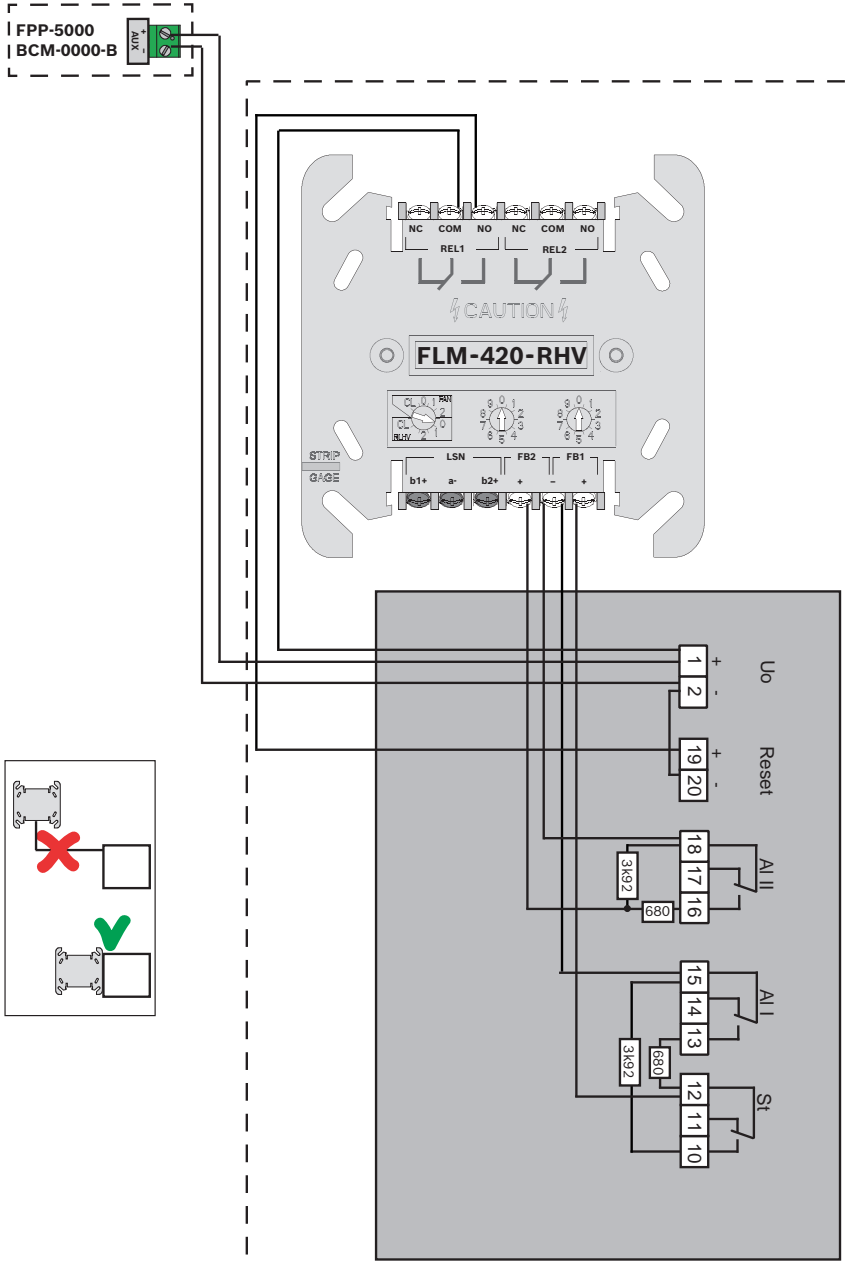
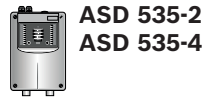
2.5.4 FLM-420-RHV





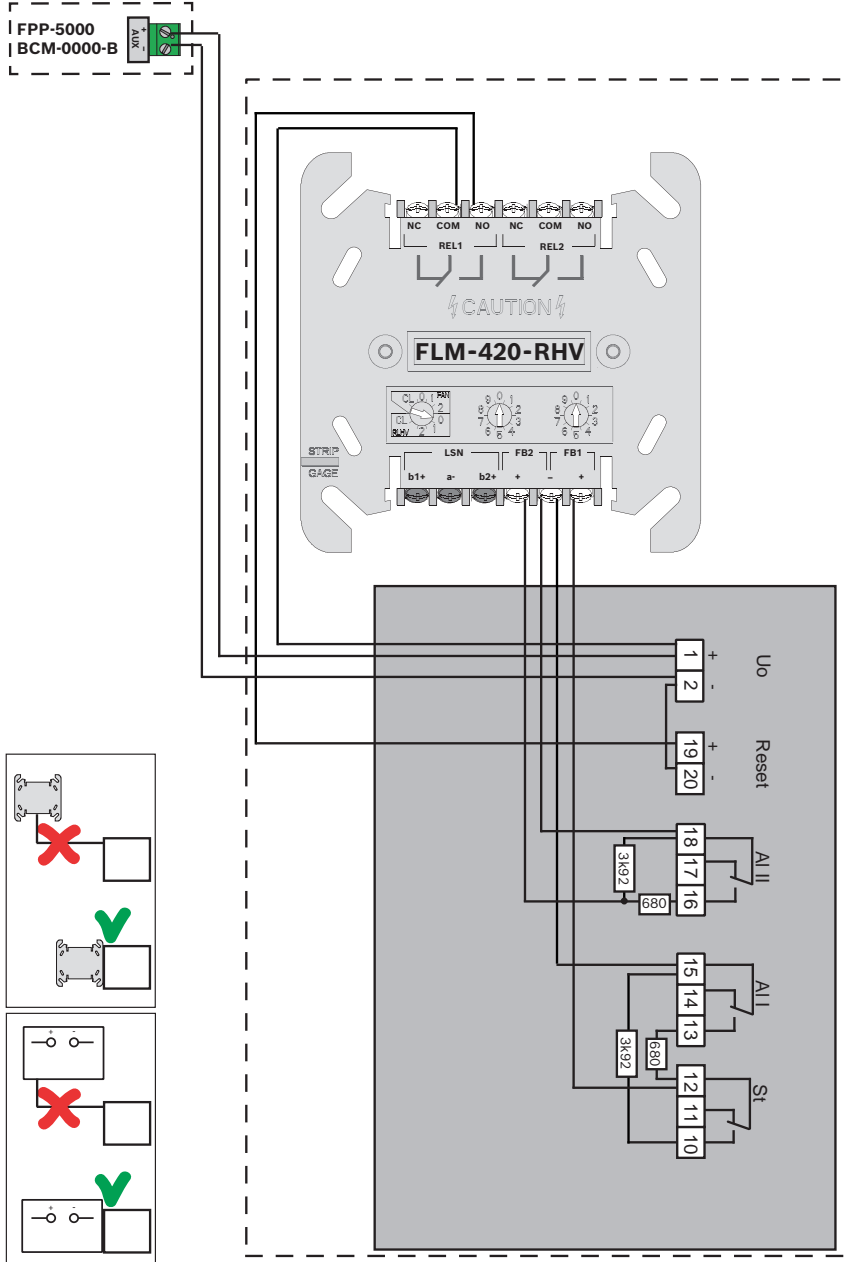
ELS

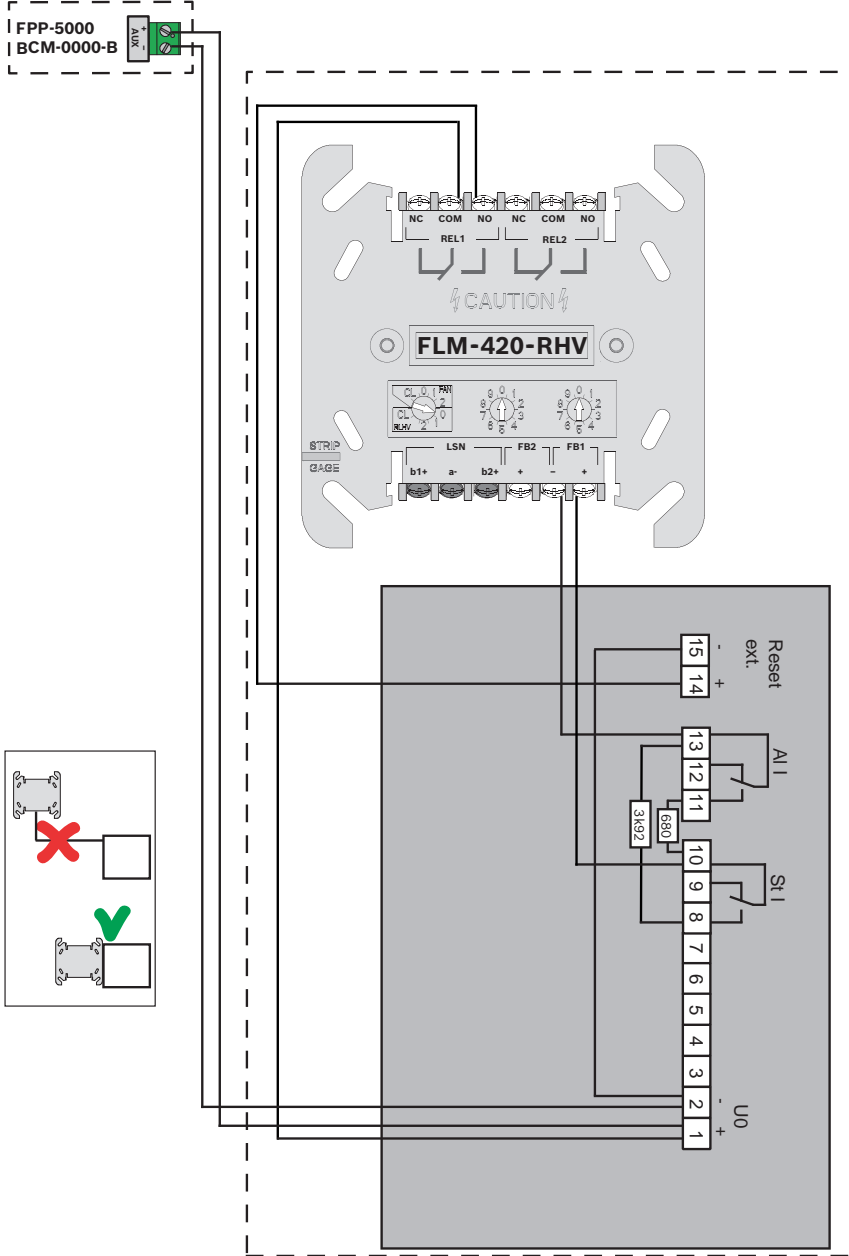






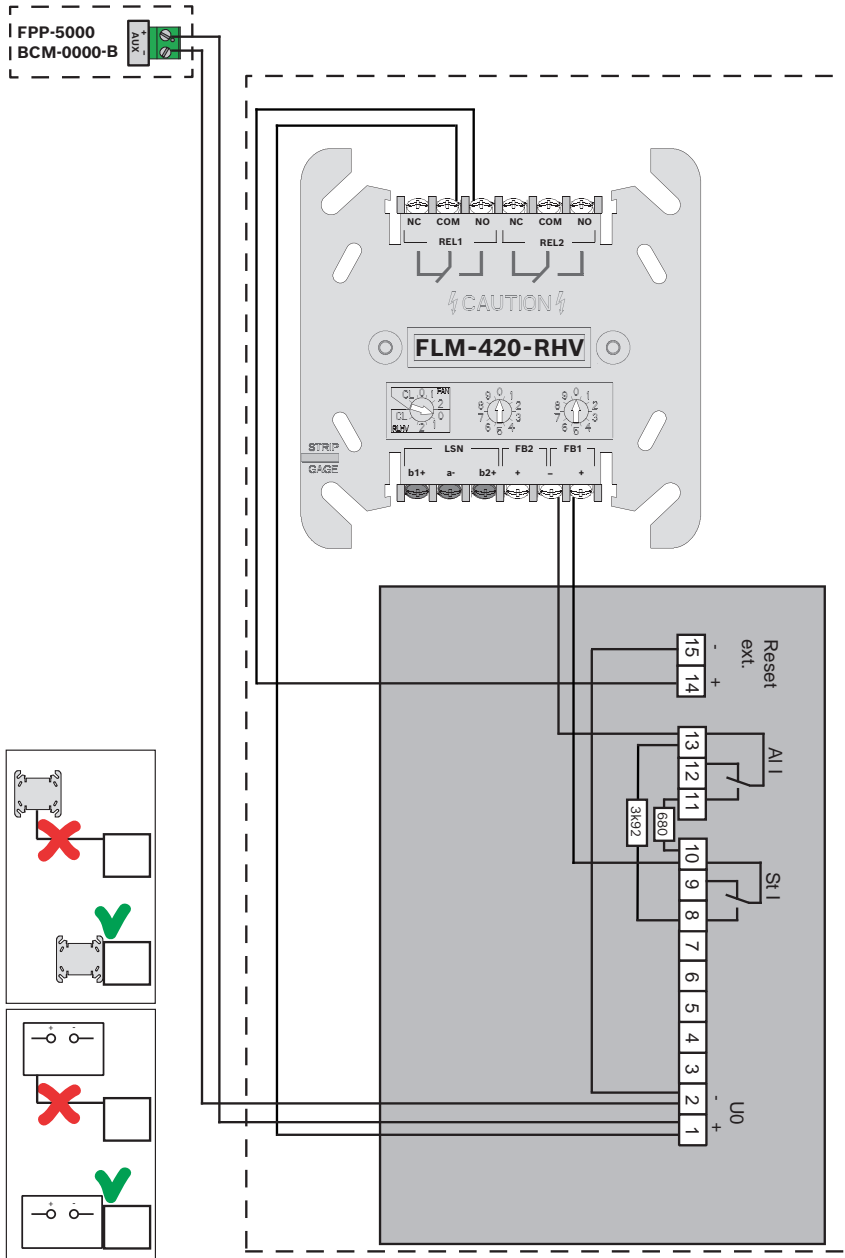
ELS





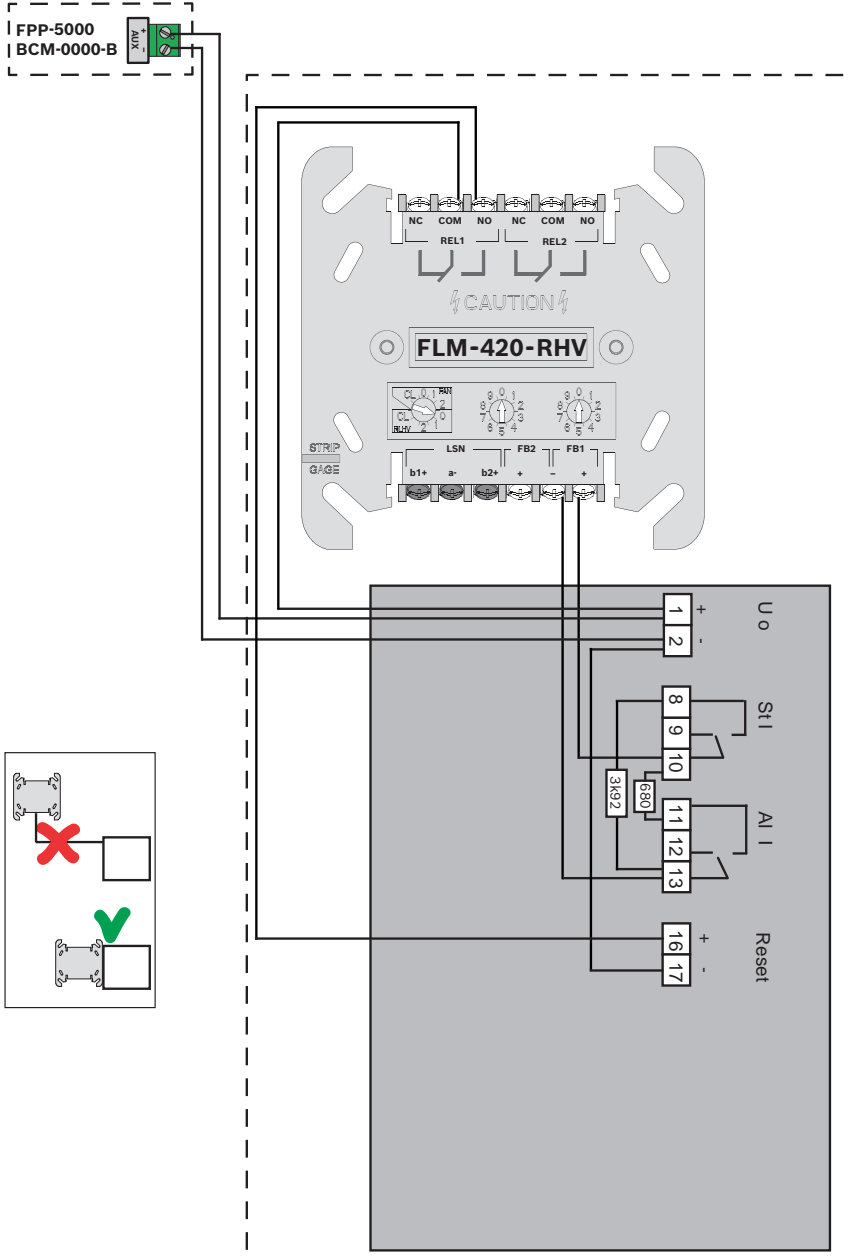


ELS





ADW 535-1

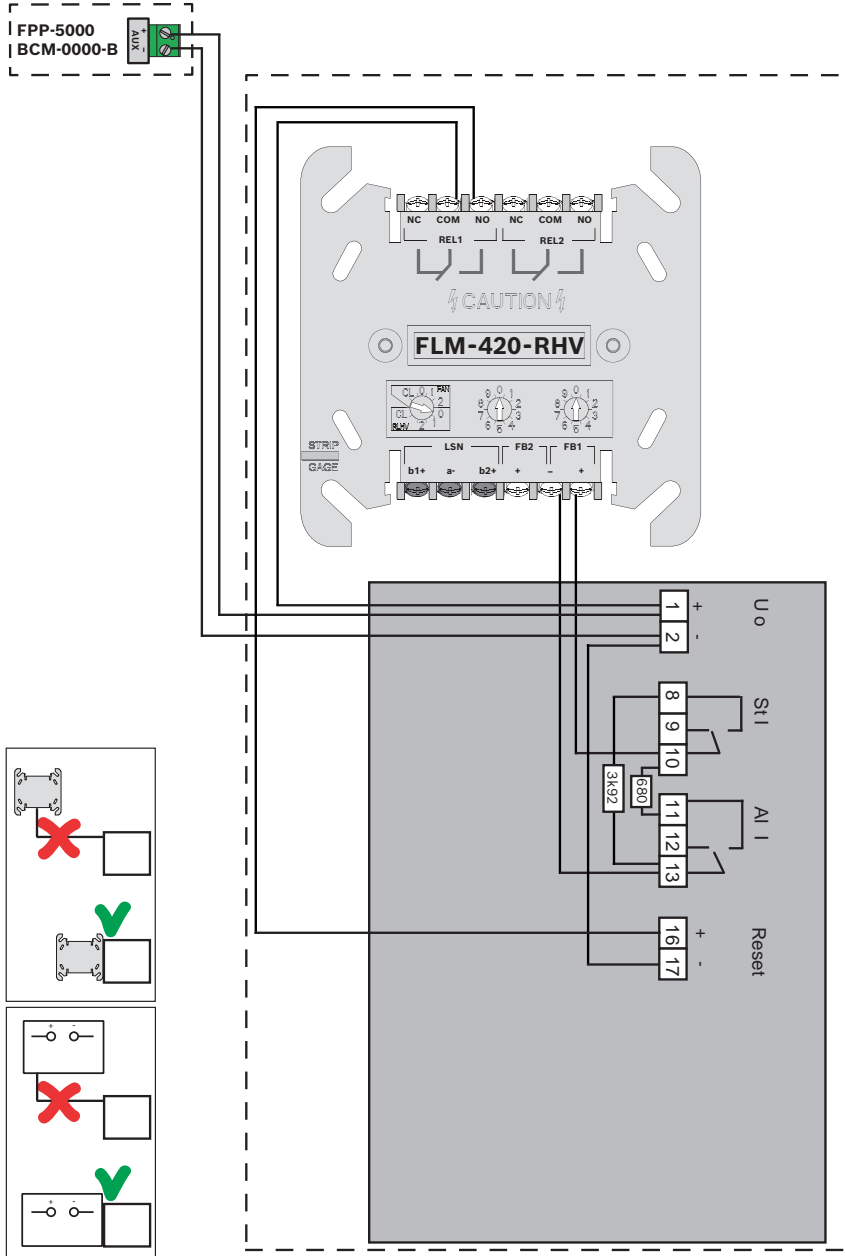




ADW 535-1

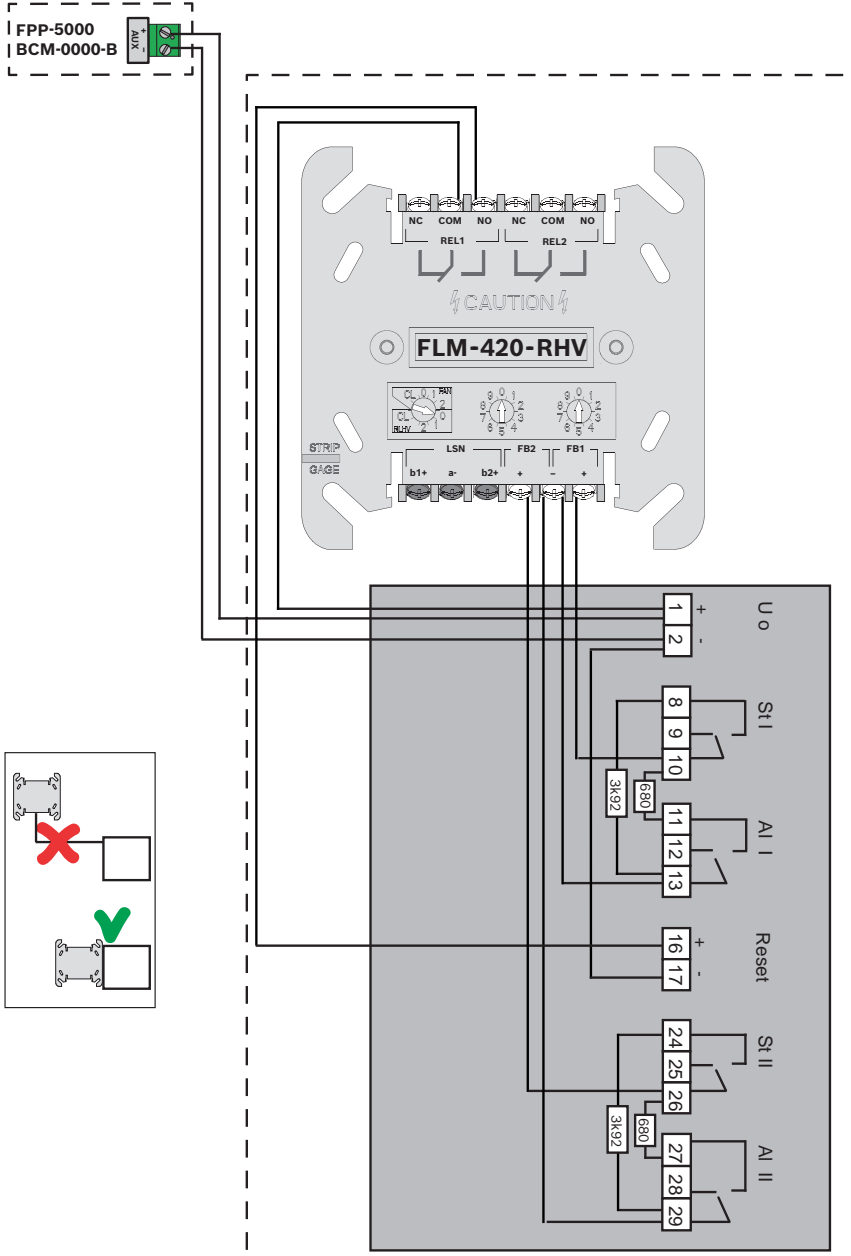


ELS





ADW 535-2

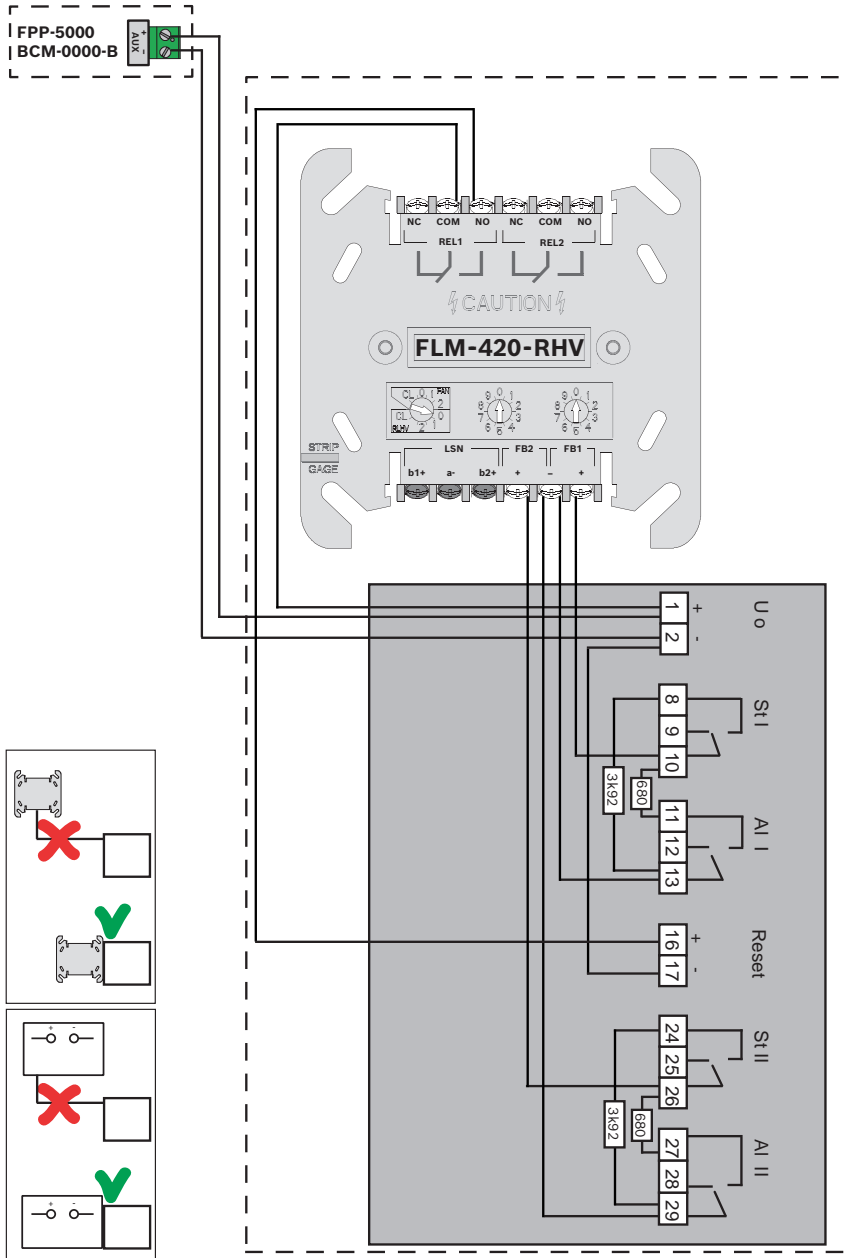




ADW 535-2

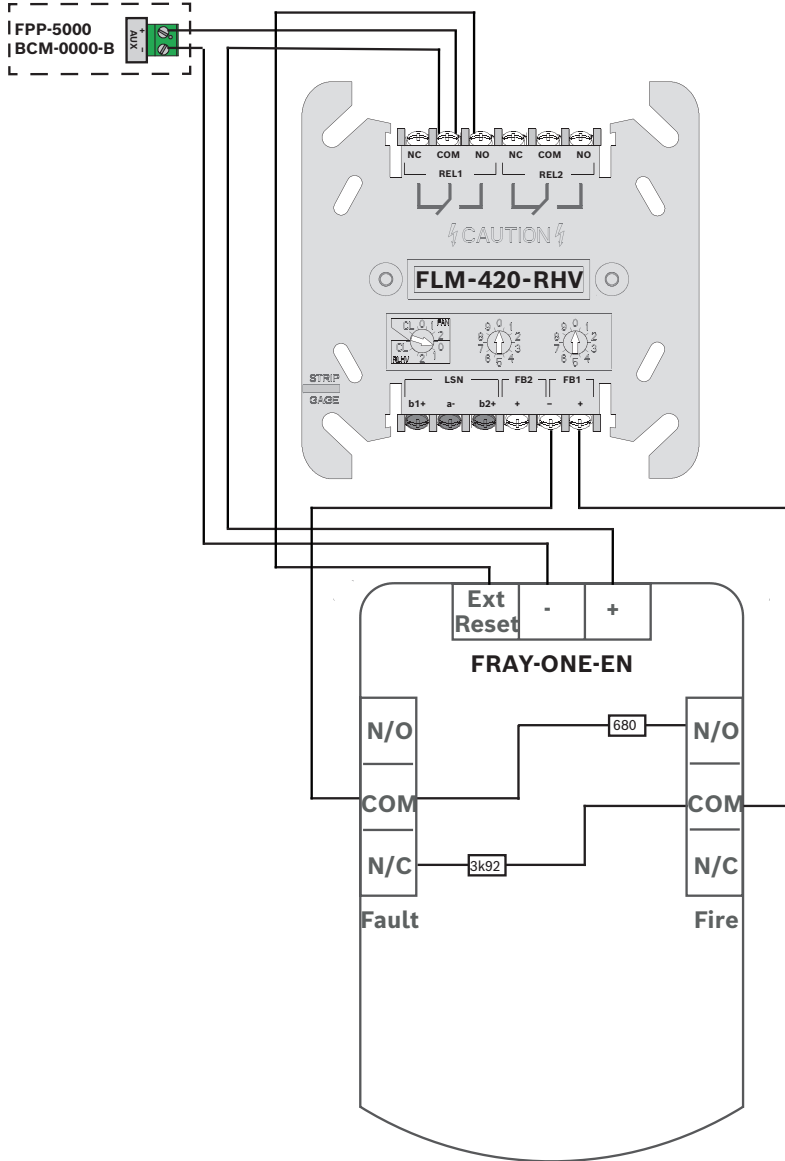


ELS





Fireray One



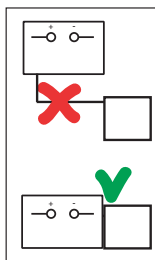
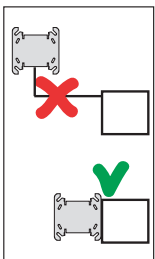
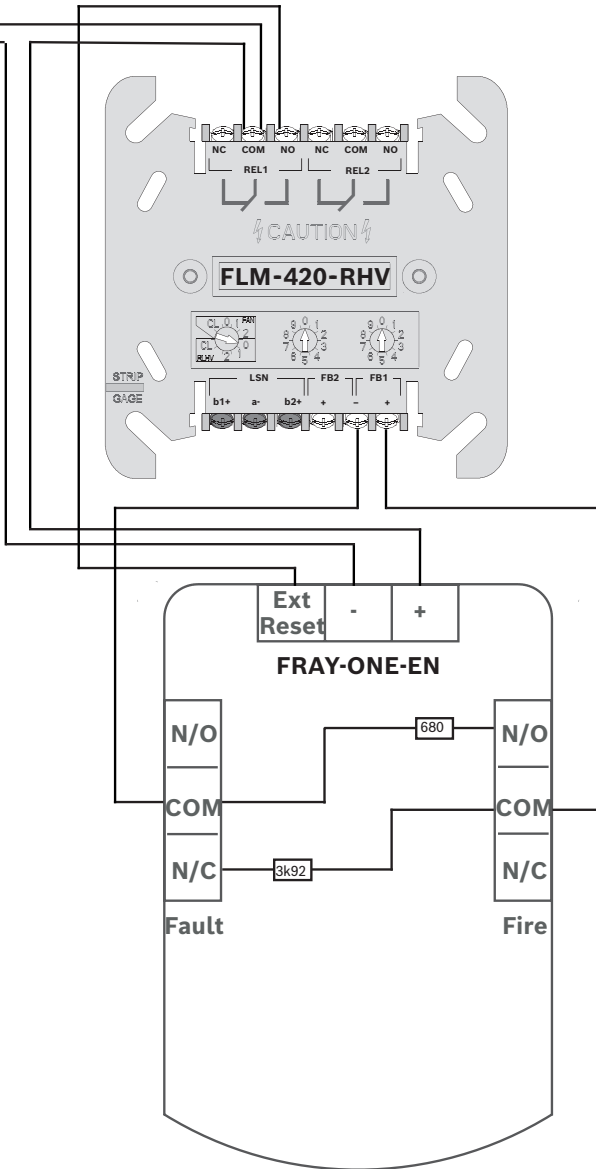


Fireray One



ELS

FPP-5000
BCM-0000-B

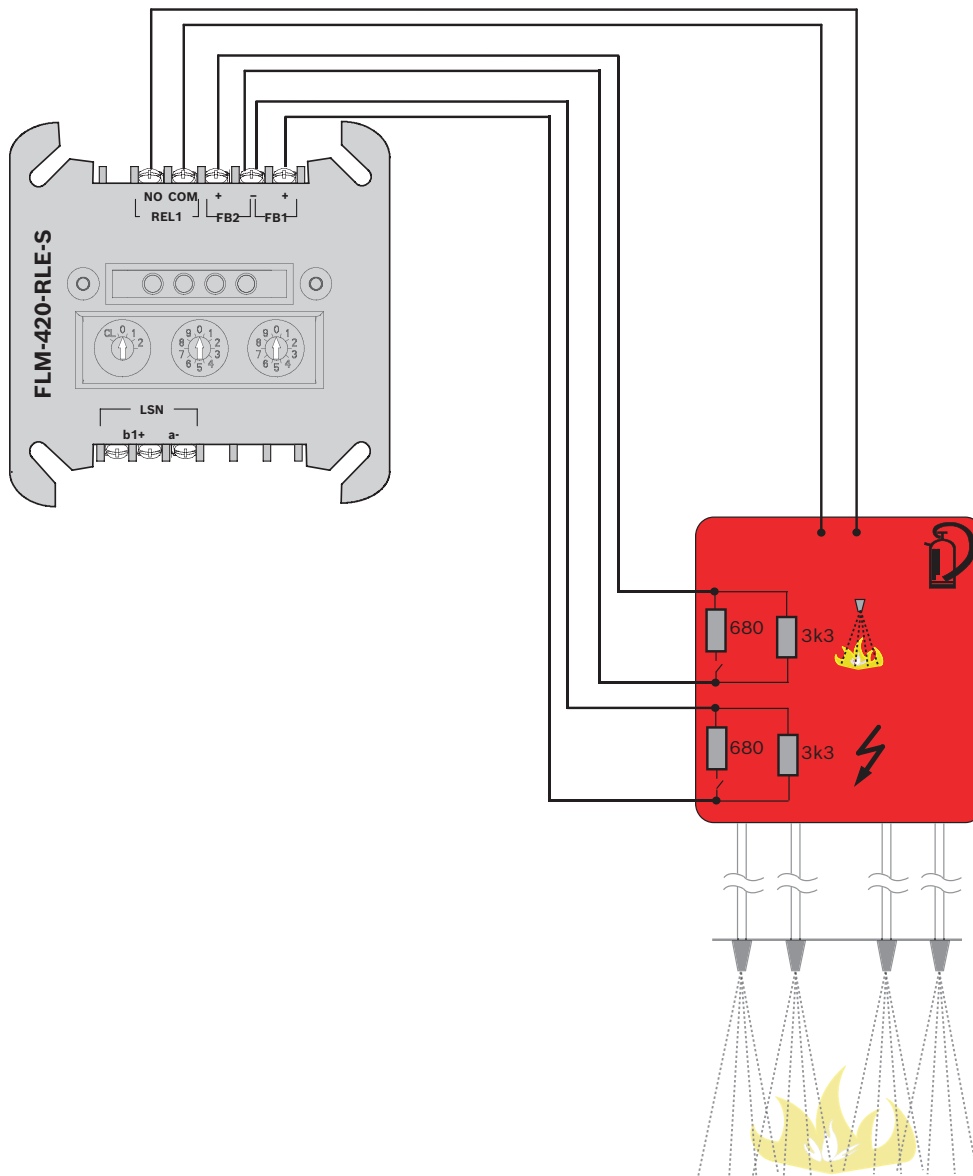


2.5.5

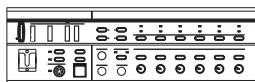
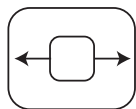
FLM-420-RLE-S



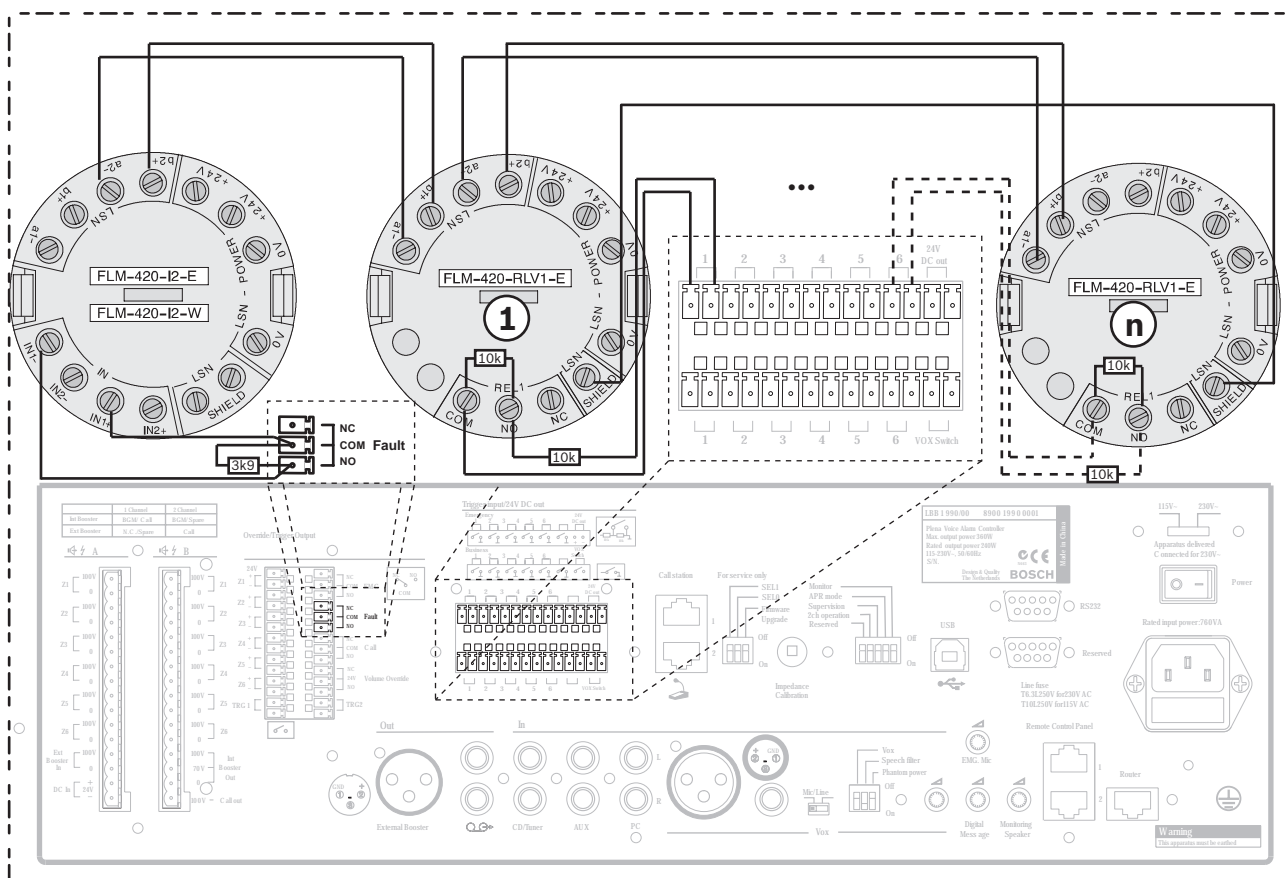
VdS 2496



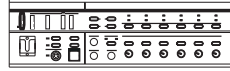
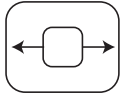
2.5.6 FLM-420-RLV1-E



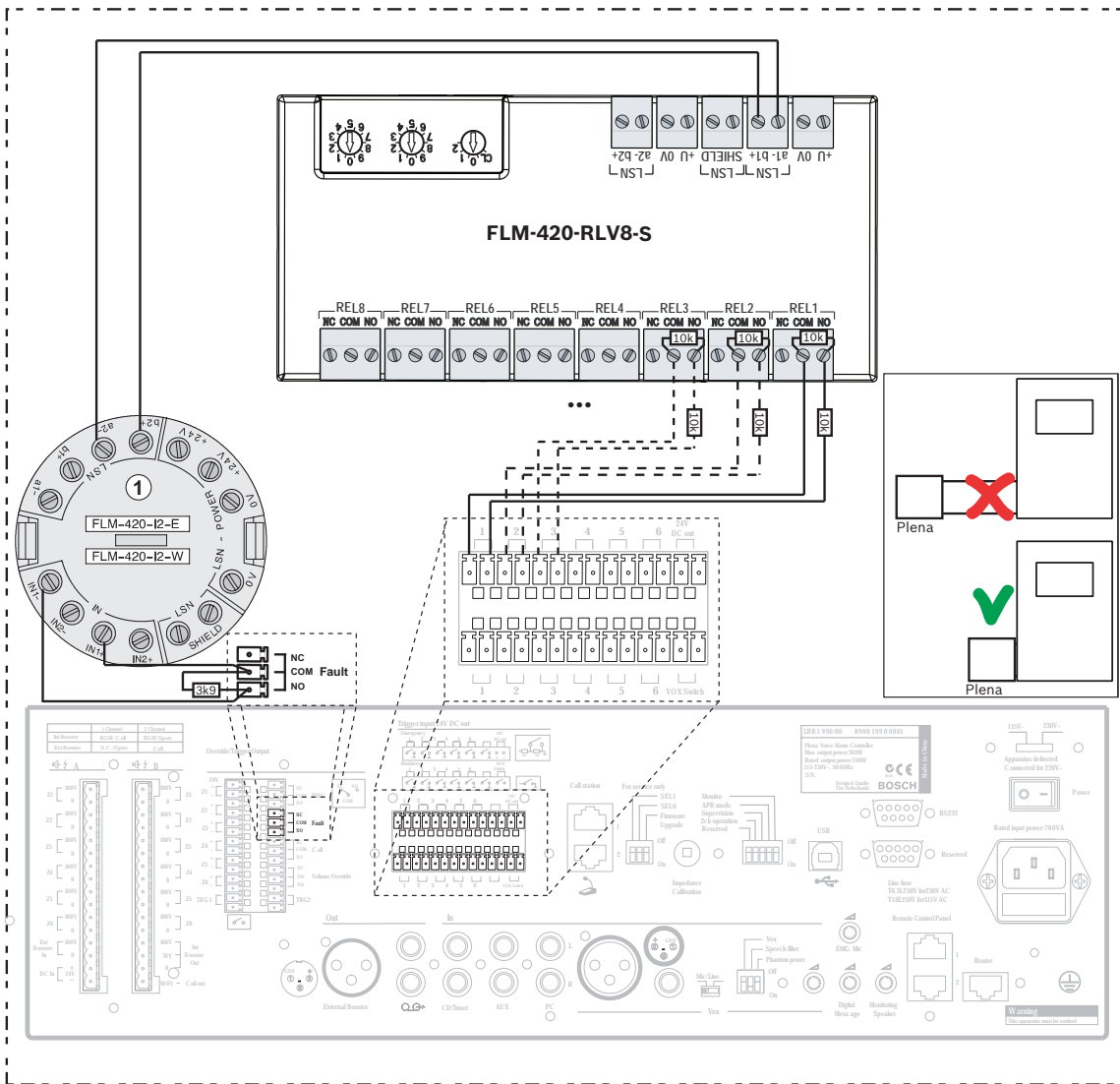
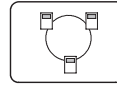
Plena



2.5.7 FLM-420-RLV8-S



Plena



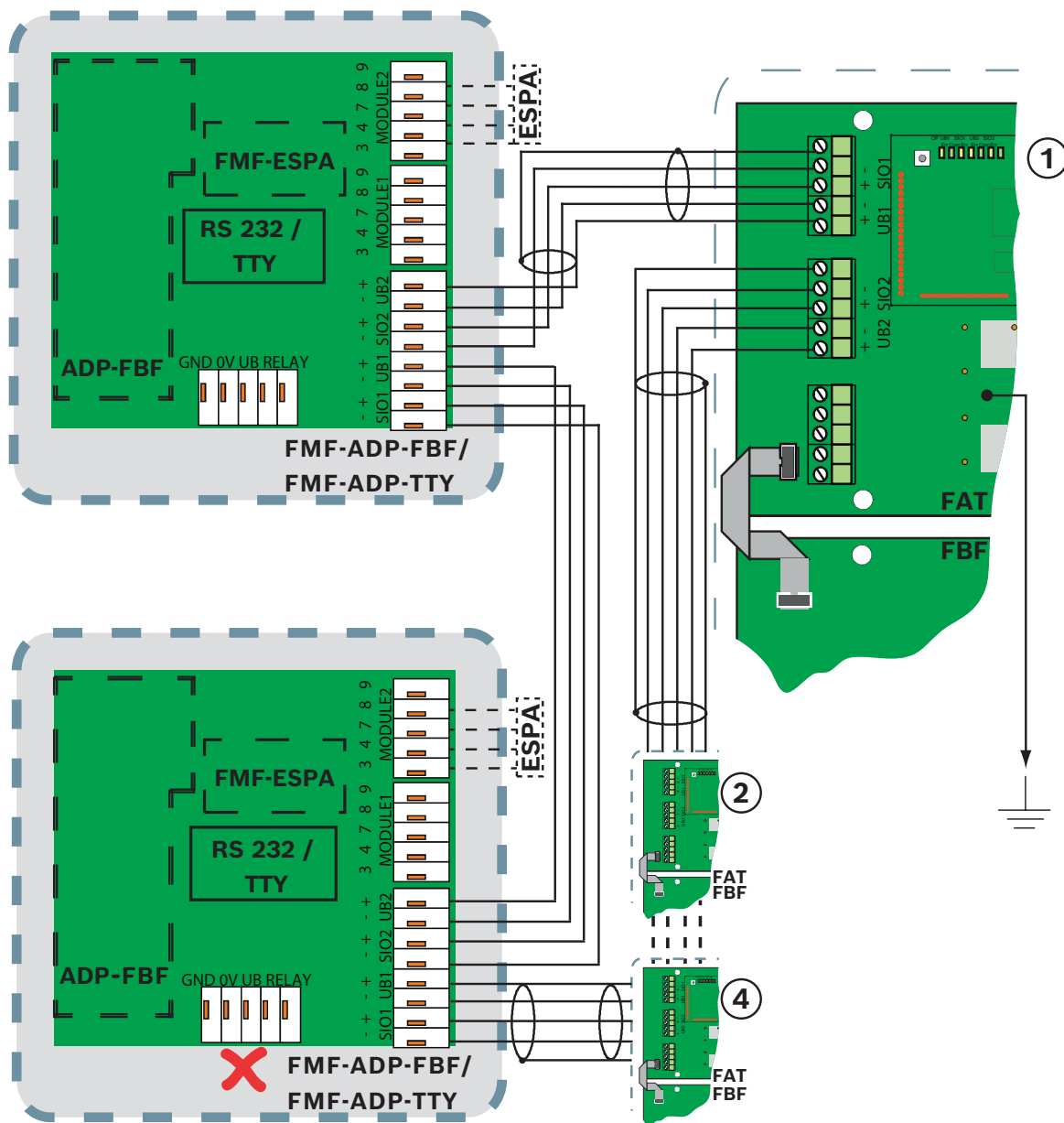
2.5.8 FMF-ADP-FBF/FMF-ADP-TTY



FAT4000 FBF4000 ADP4000

FMF-FAT FMF-FBF-FAT
FMF-FIBS-A4/-A3
FMF-ADP

ELS



2.6

EOL



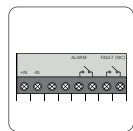
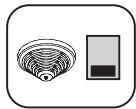
CZM 0004 A, stranica 189

LSN 0300 A, stranica 201

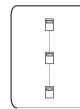
FLM-420/4-CON-S/D, stranica 246

2.6.1

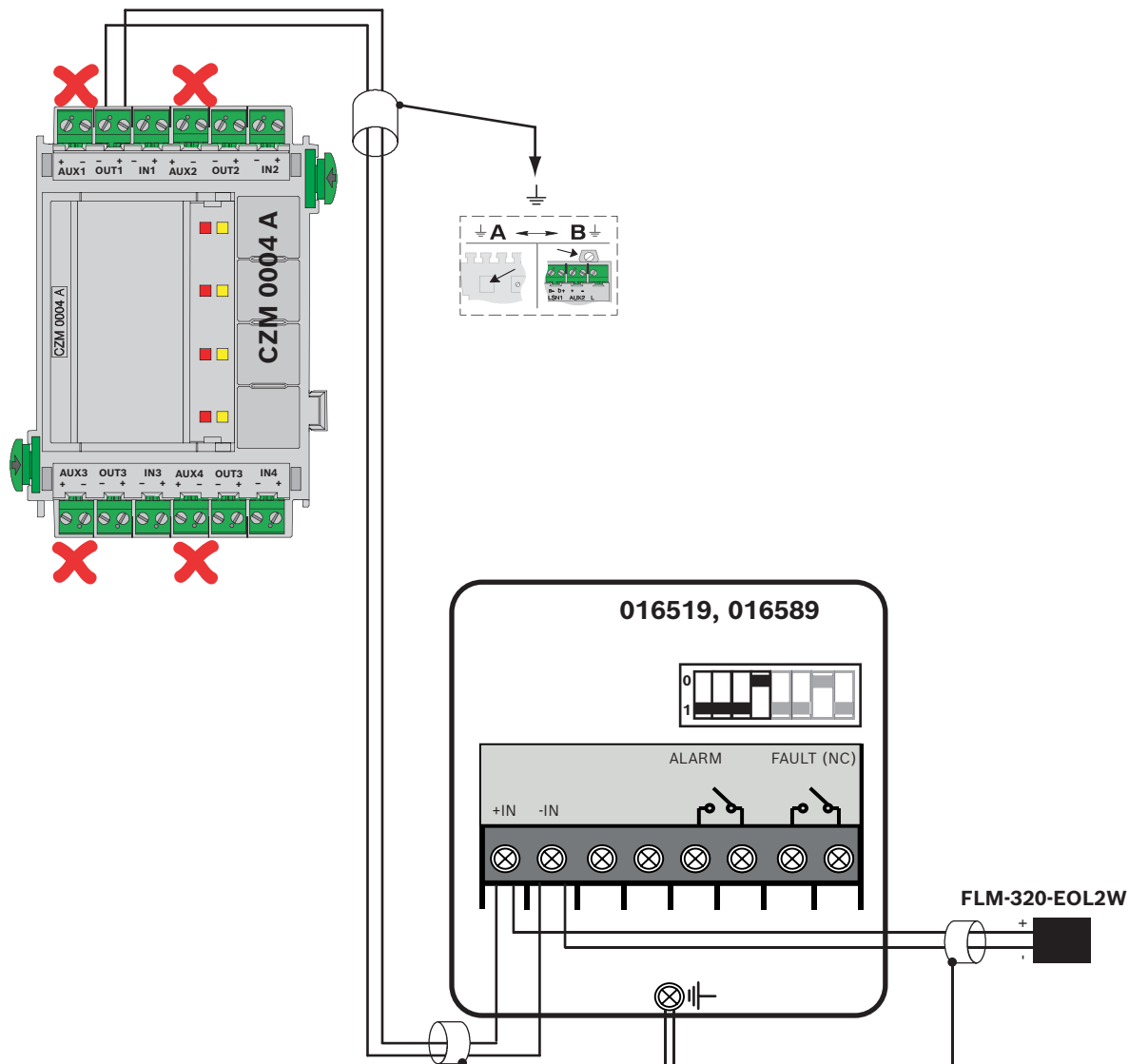
CZM 0004 A

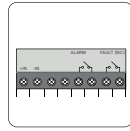


016519, 016589
IR3 Flame Detector

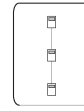


ELS

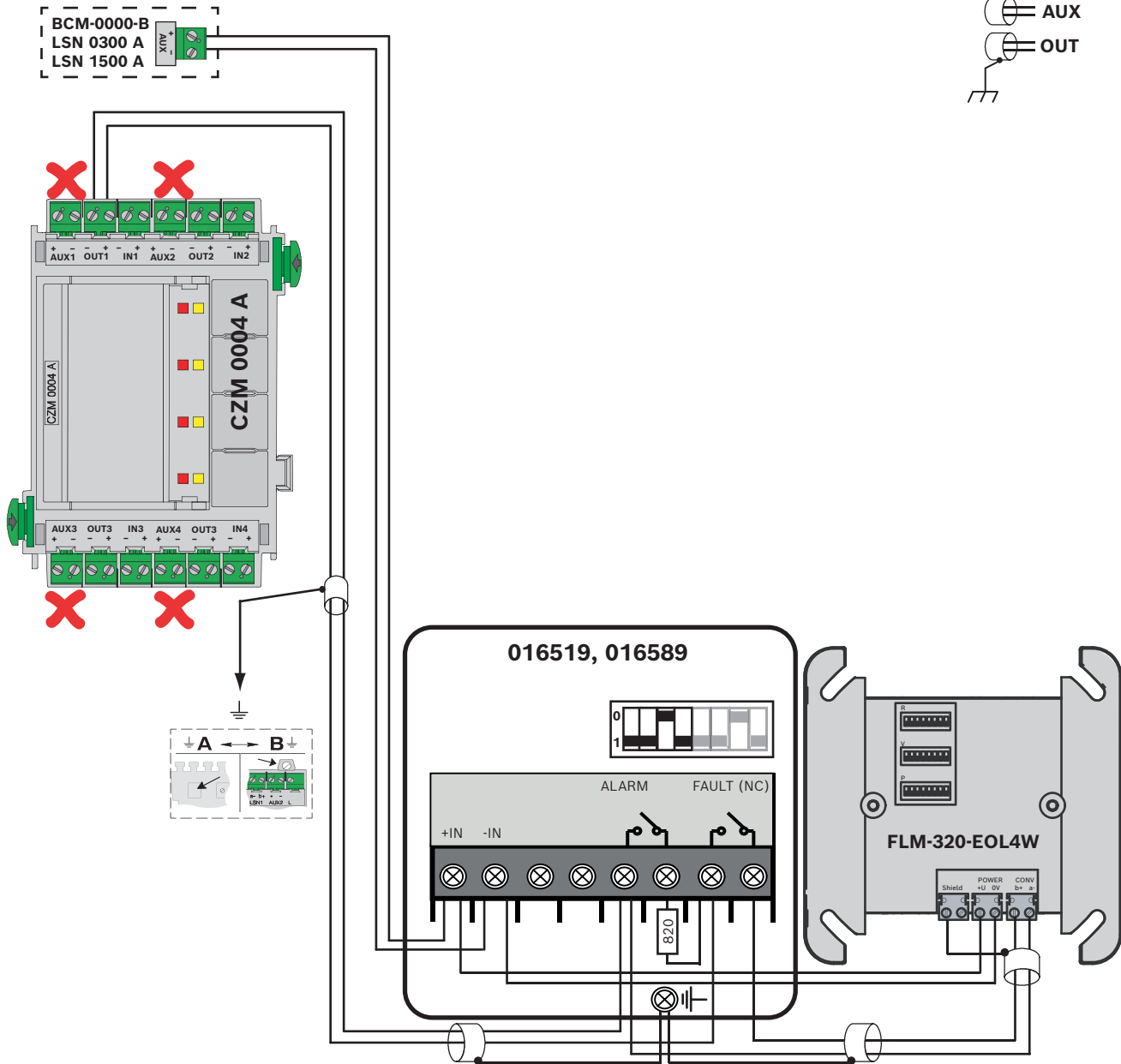




016519, 016589
IR3 Flame Detector



ELS

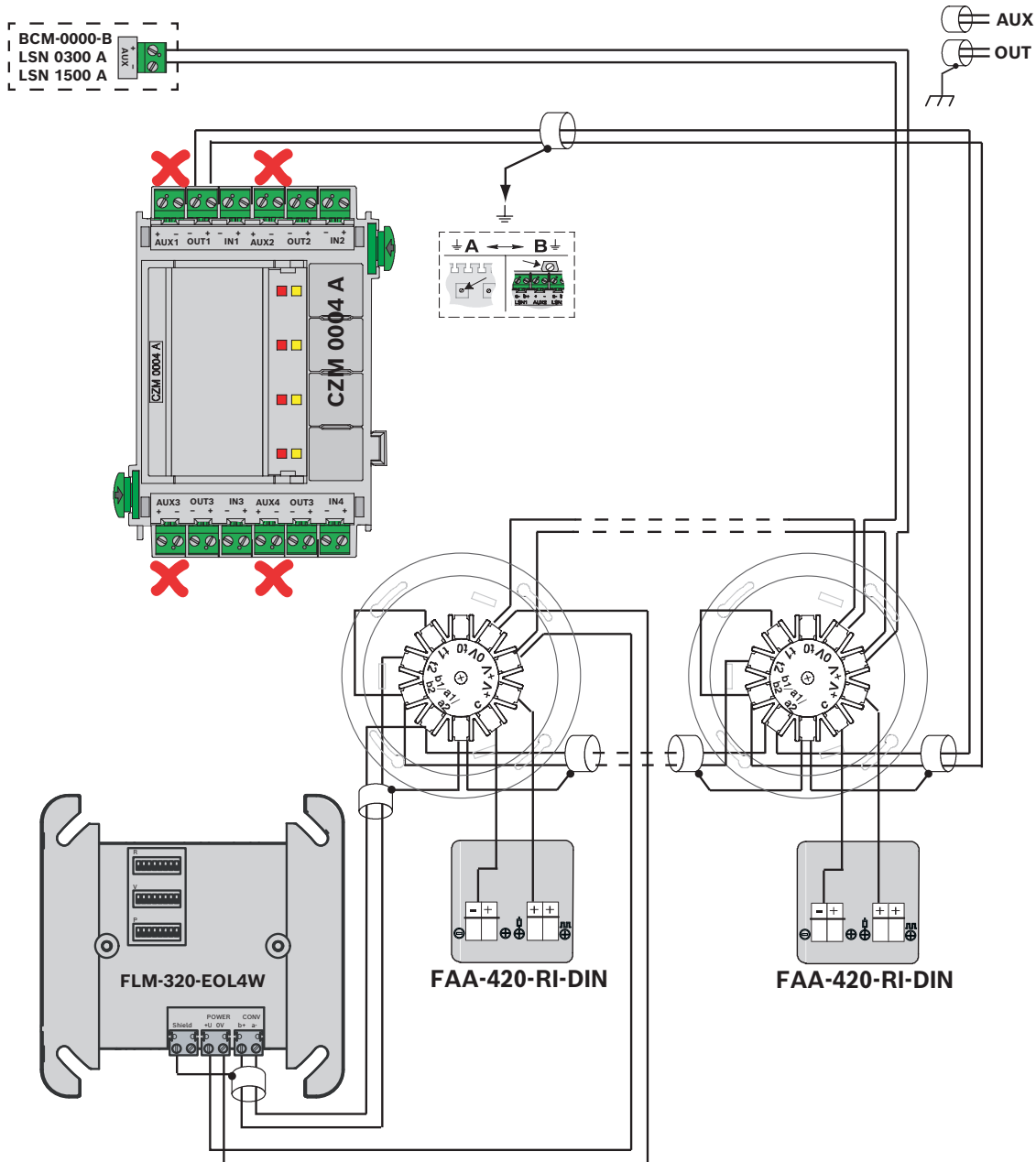


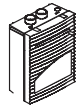


FCA-500-EU
FCP-O 500
FCP-O 500-P
FCP-OC 500
FCP-OC 500-P

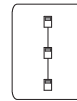


ELS



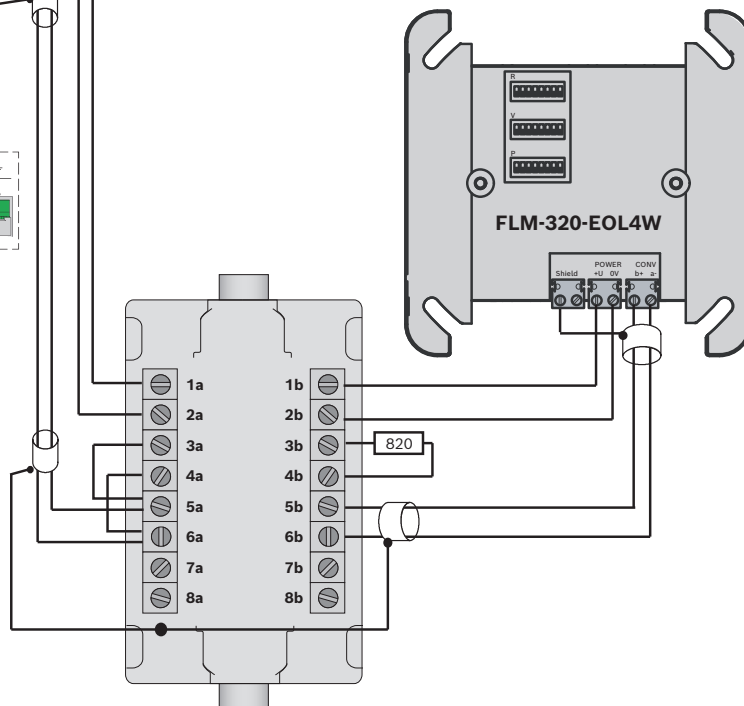
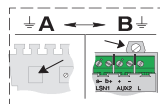
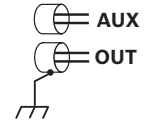
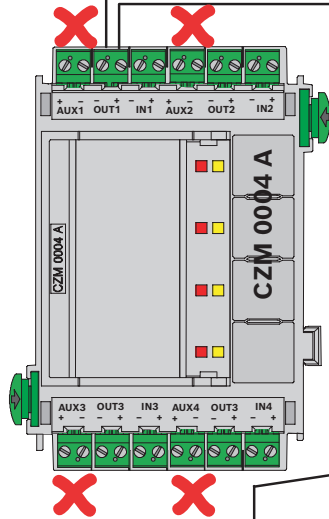


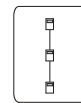
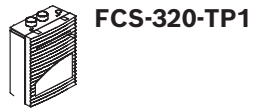
FCS-320-TM Series



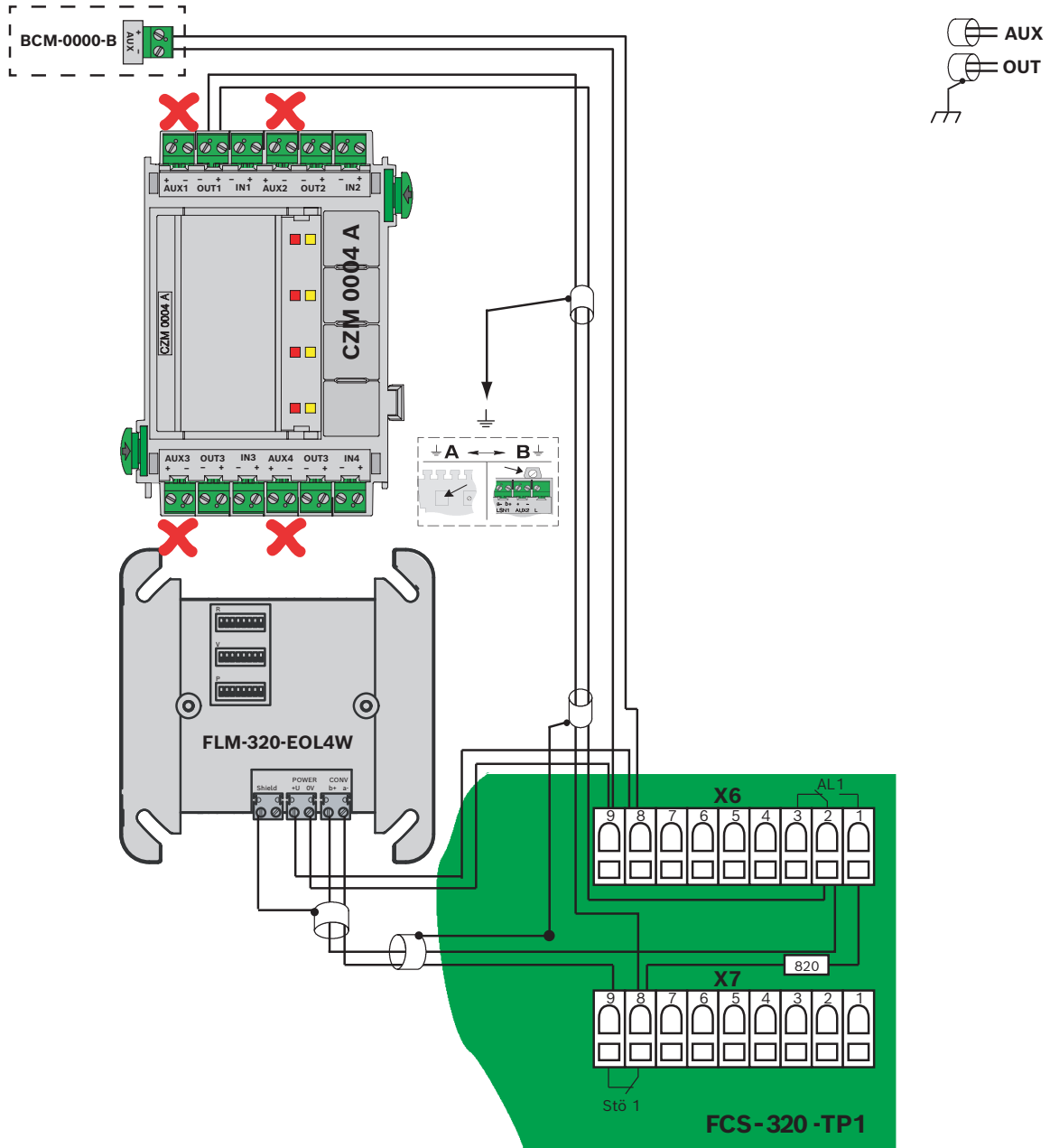
ELS

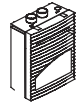
BCM-0000-B
LSN 0300 A
LSN 1500 A





ELS

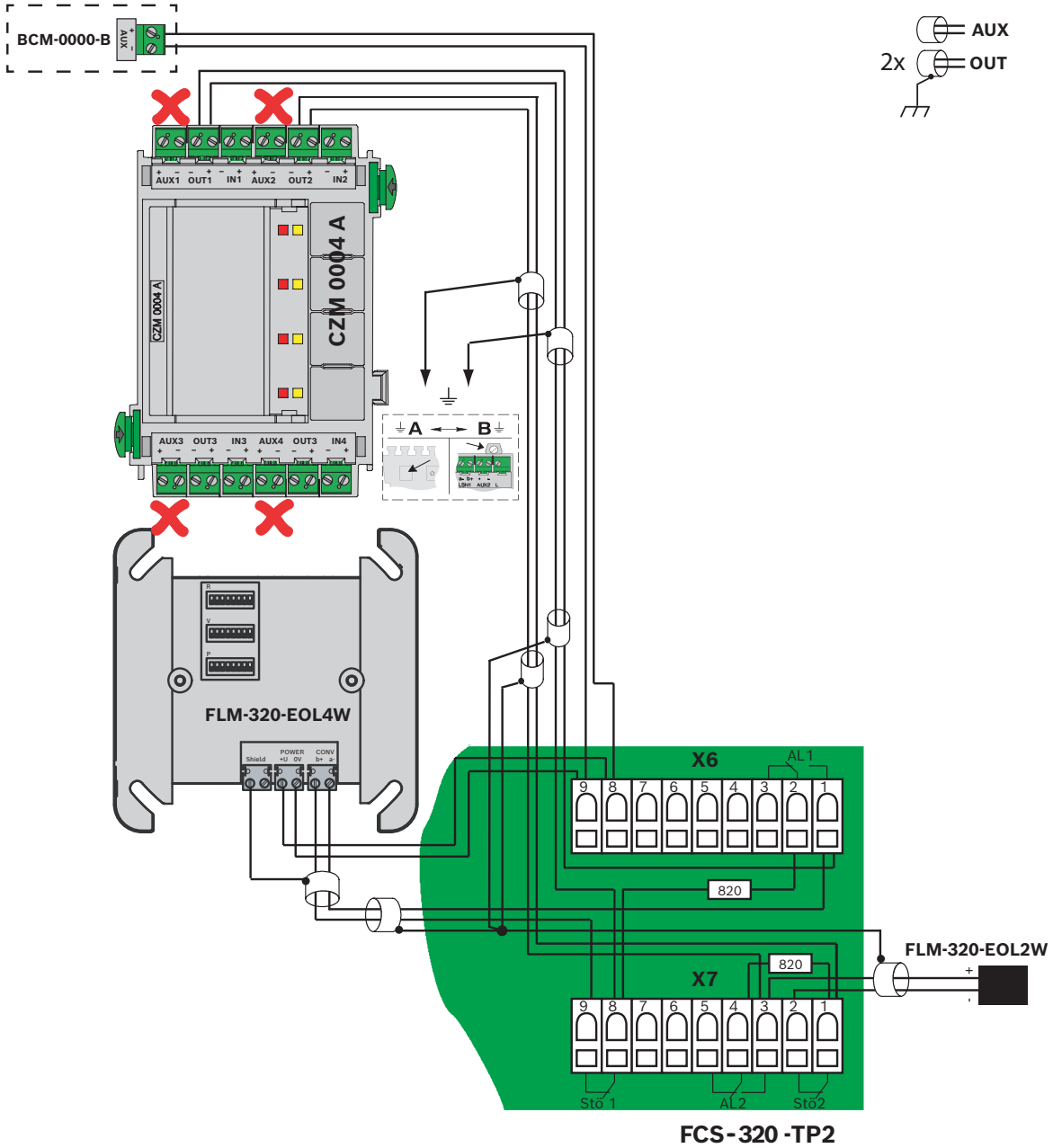




FCS-320-TP2



ELS





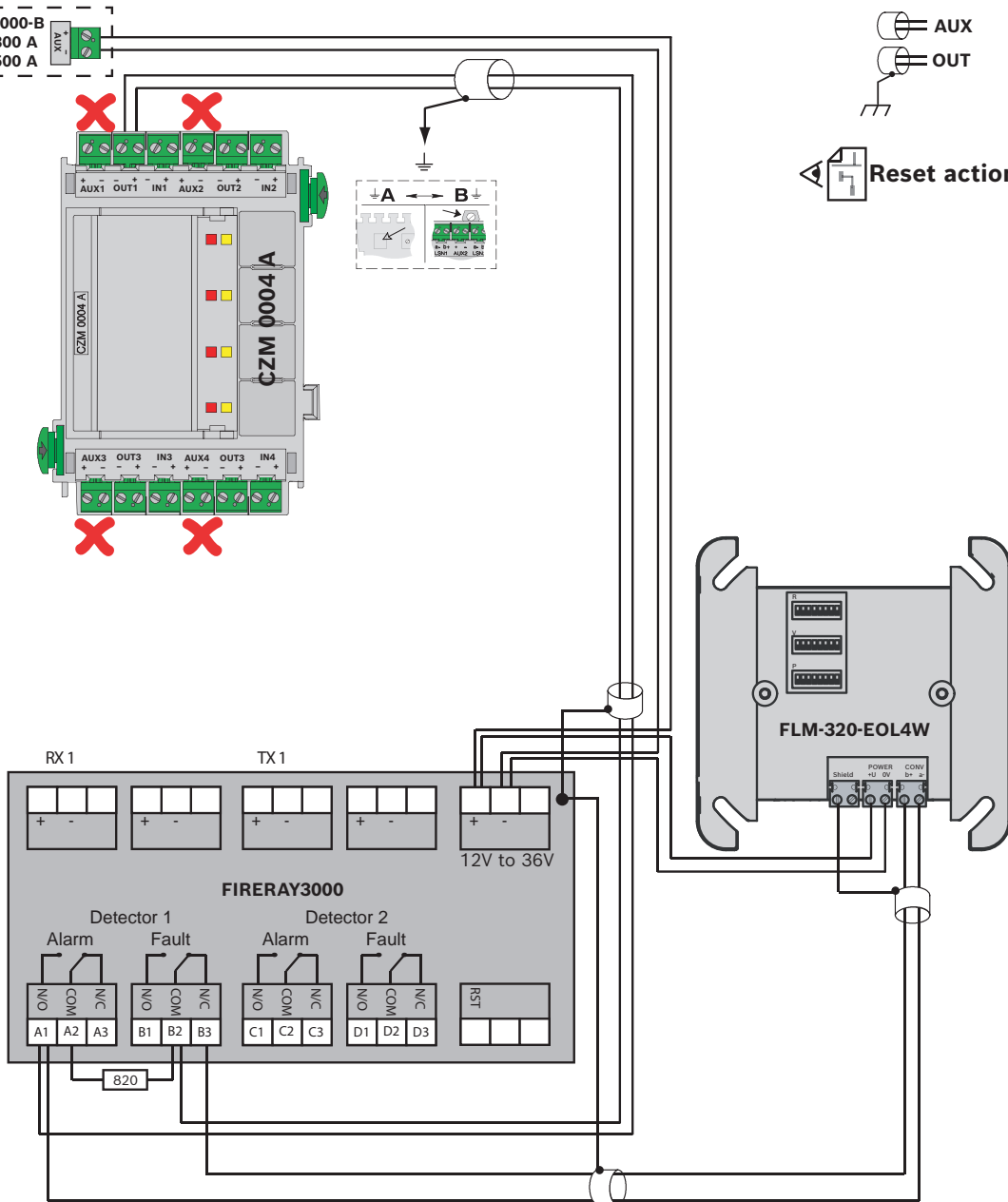
FIRERAY3000

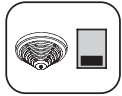
1 x



ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A



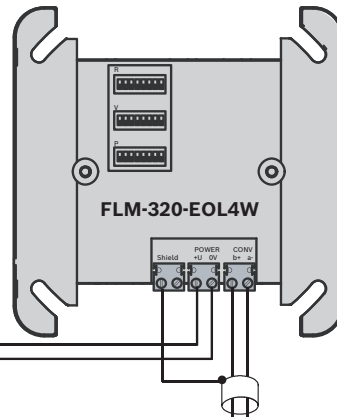
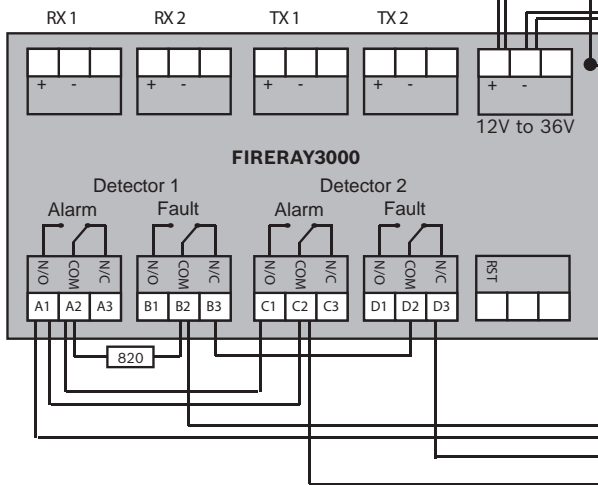
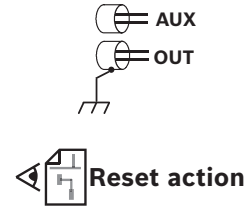
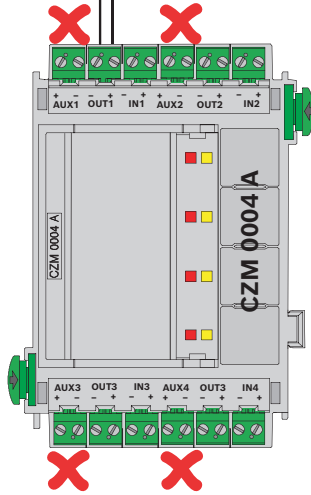


FIRERAY3000
2 x  **OUT1**



ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A



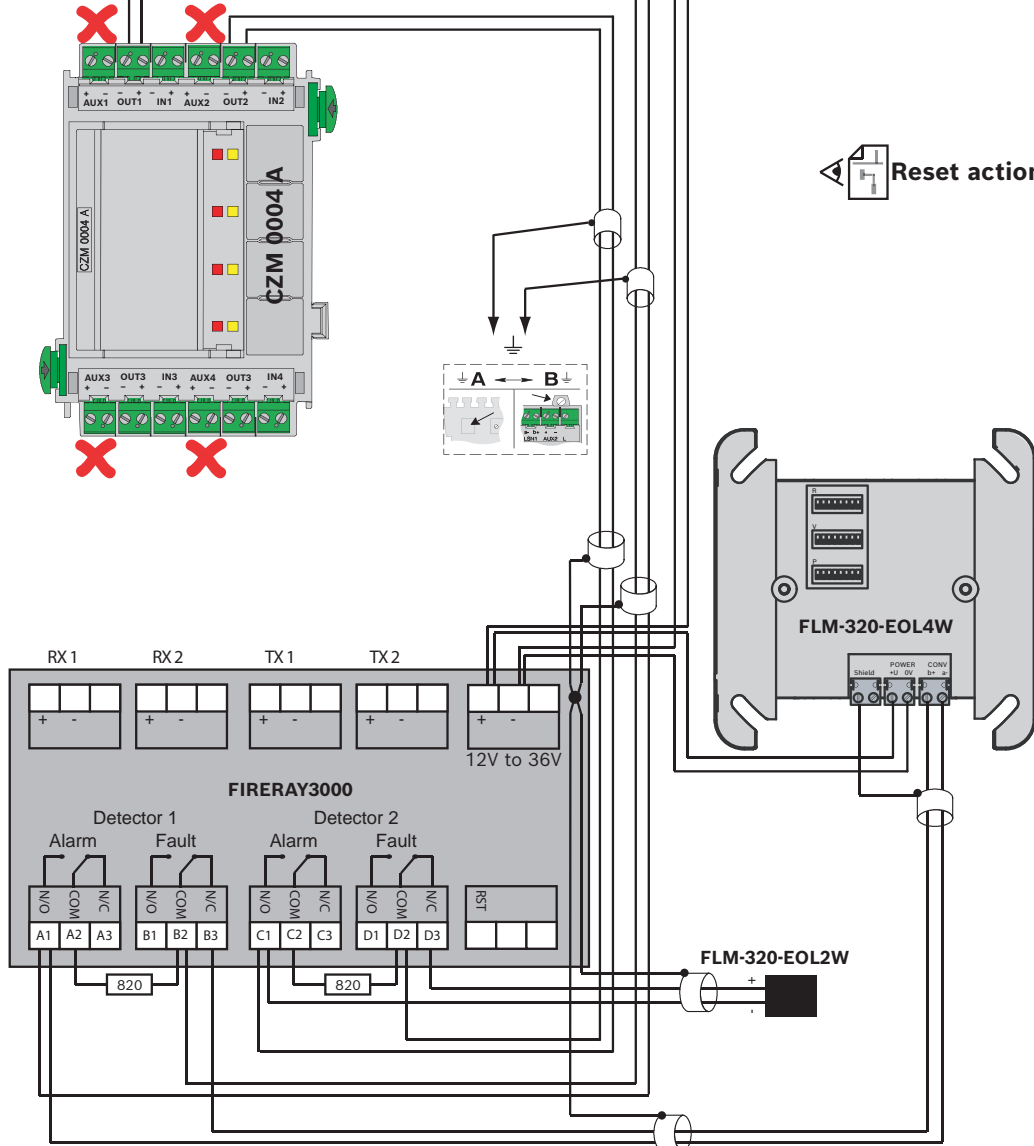


FIRERAY3000
2 x **OUT1+2**



ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A



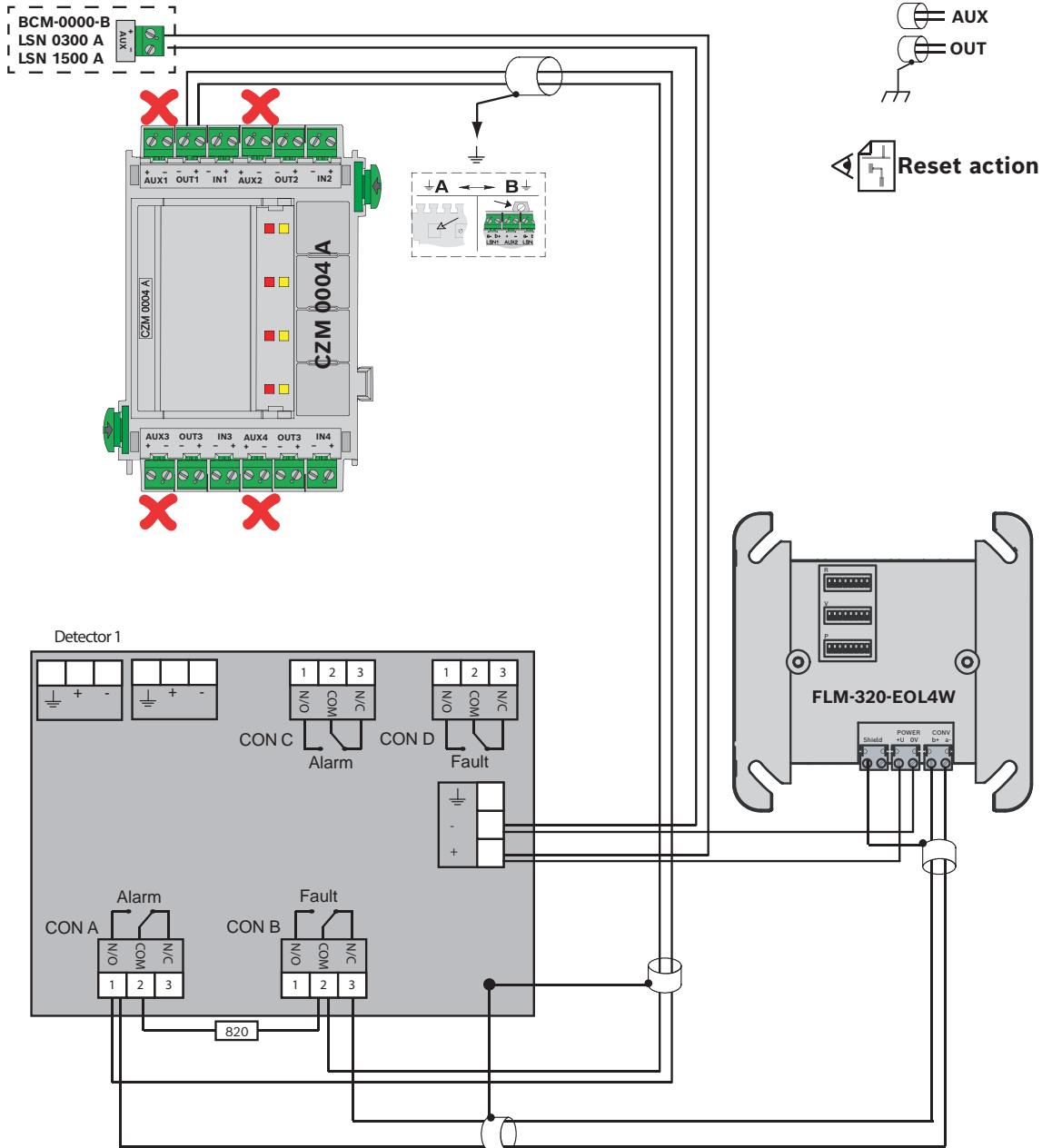


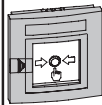
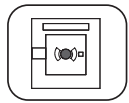
FIRERAY5000

1 x

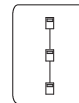


ELS

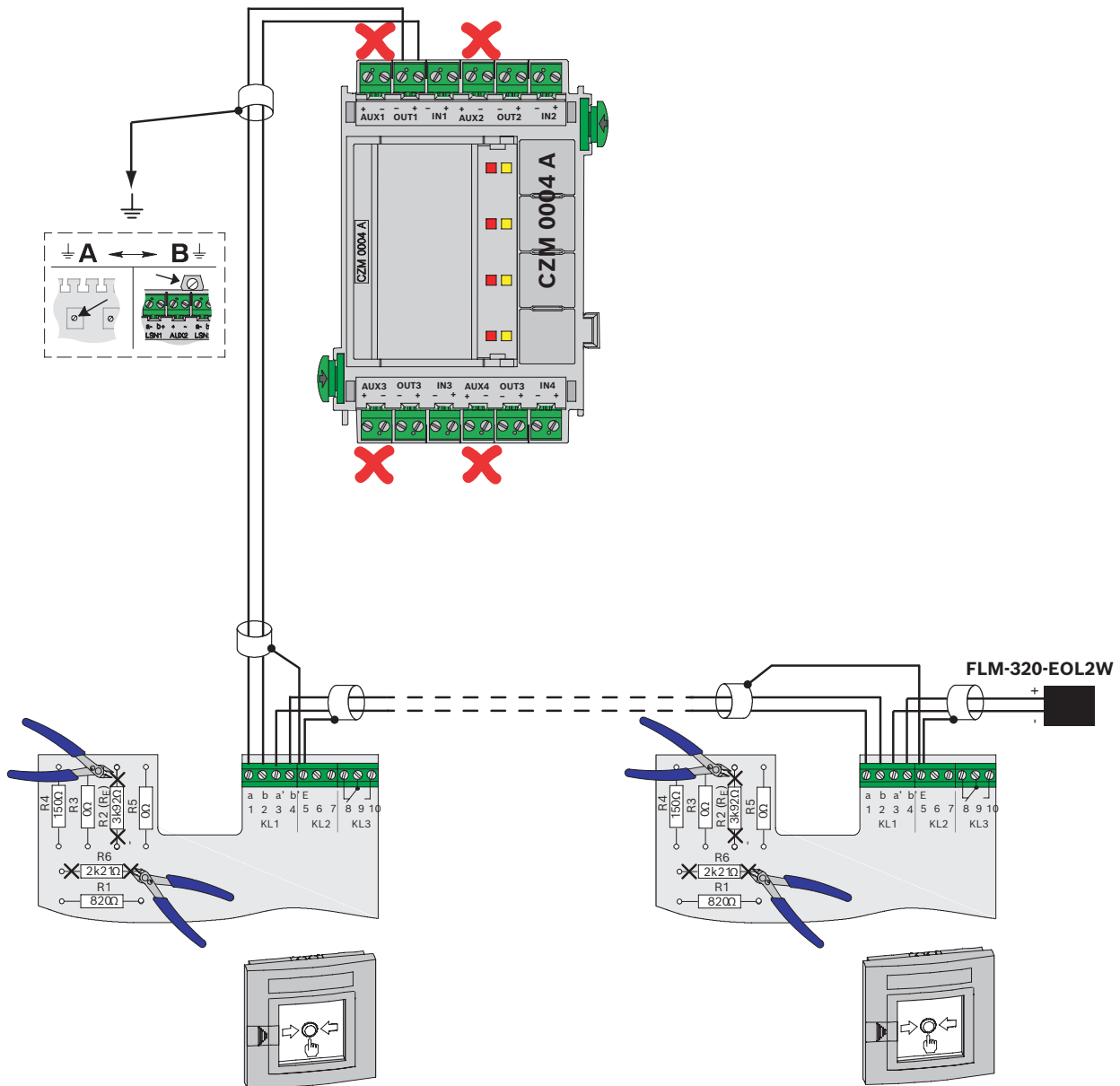


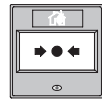
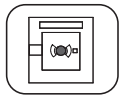


FMC-120-DKM-G-R
 FMC-120-DKM-H-R
 FMC-120-DKM-G-B
 FMC-120-DKM-H-B
 FMC-120-DKM-G-Y



ELS

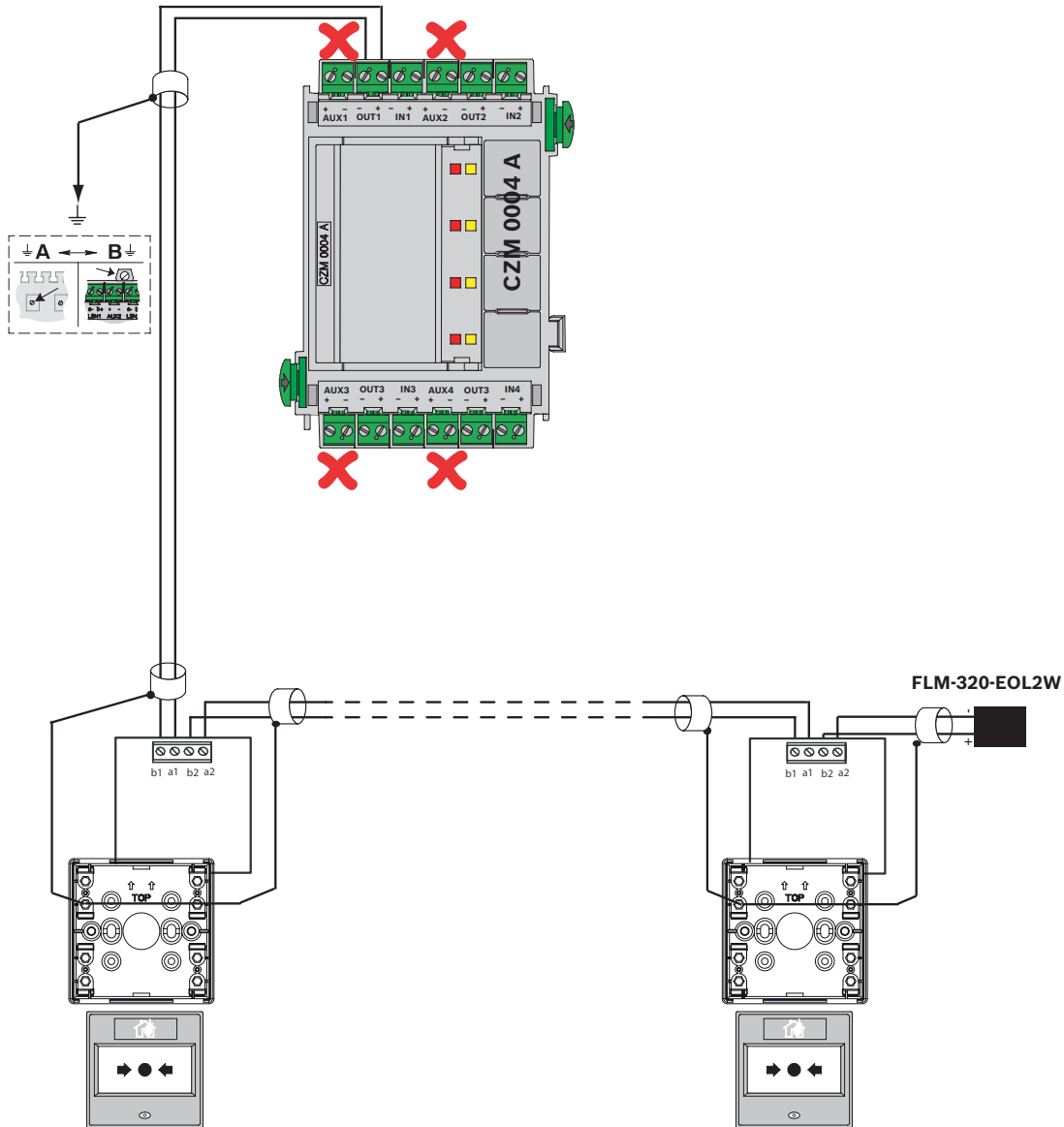




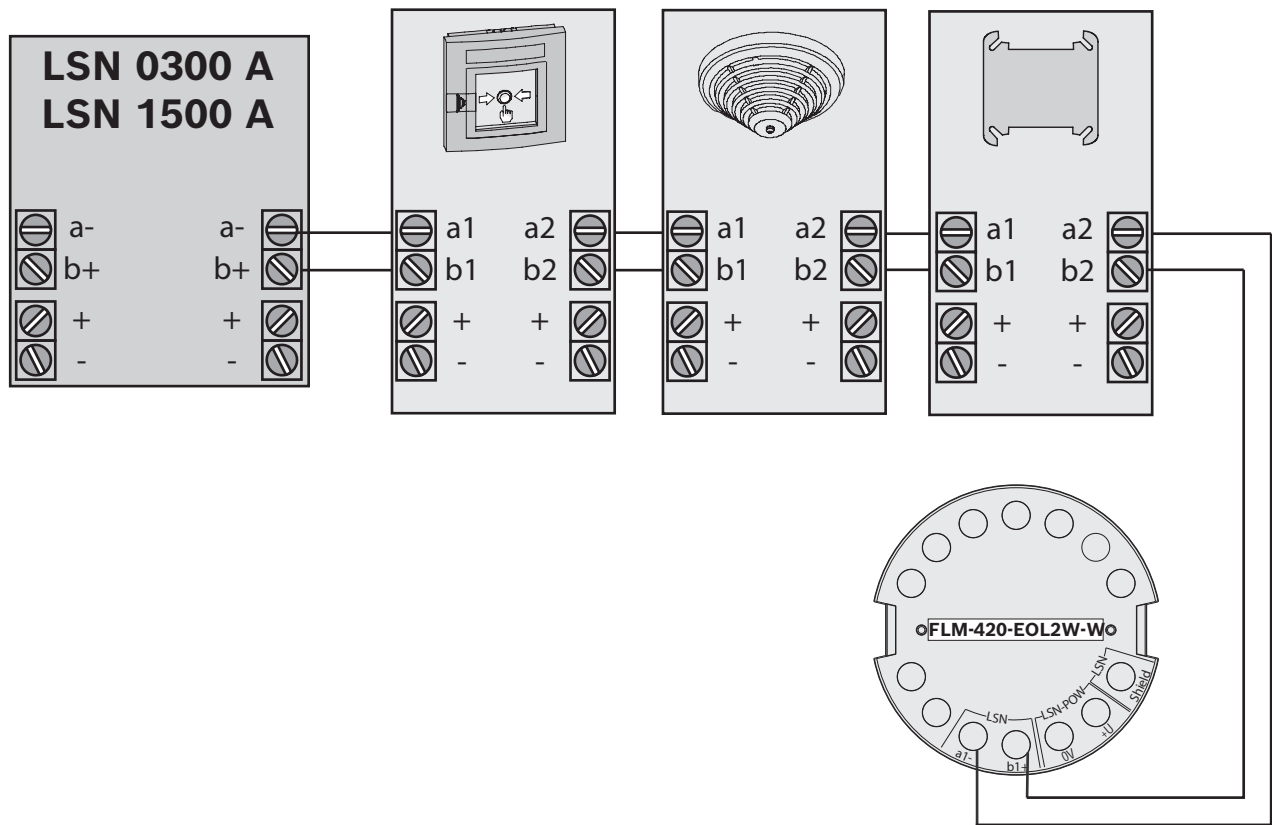
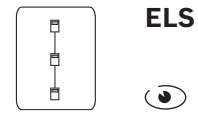
FMC-300RW-GSGBU
 FMC-300RW-GSRBU
 FMC-300RW-GSGRD
 FMC-300RW-GSRRD
 FMC-300RW-GSGYE
 FMC-300RW-GSRYE

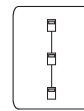


ELS

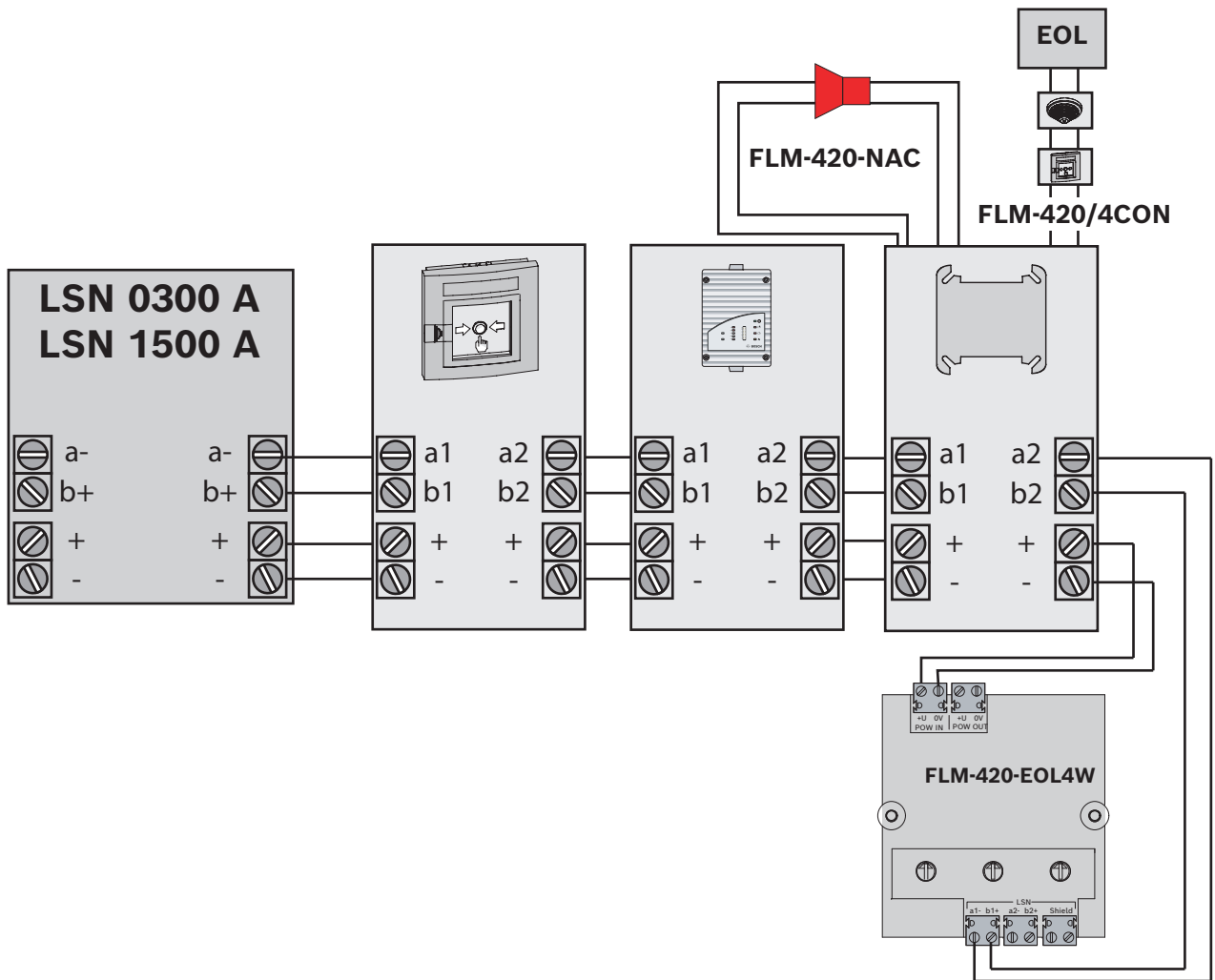


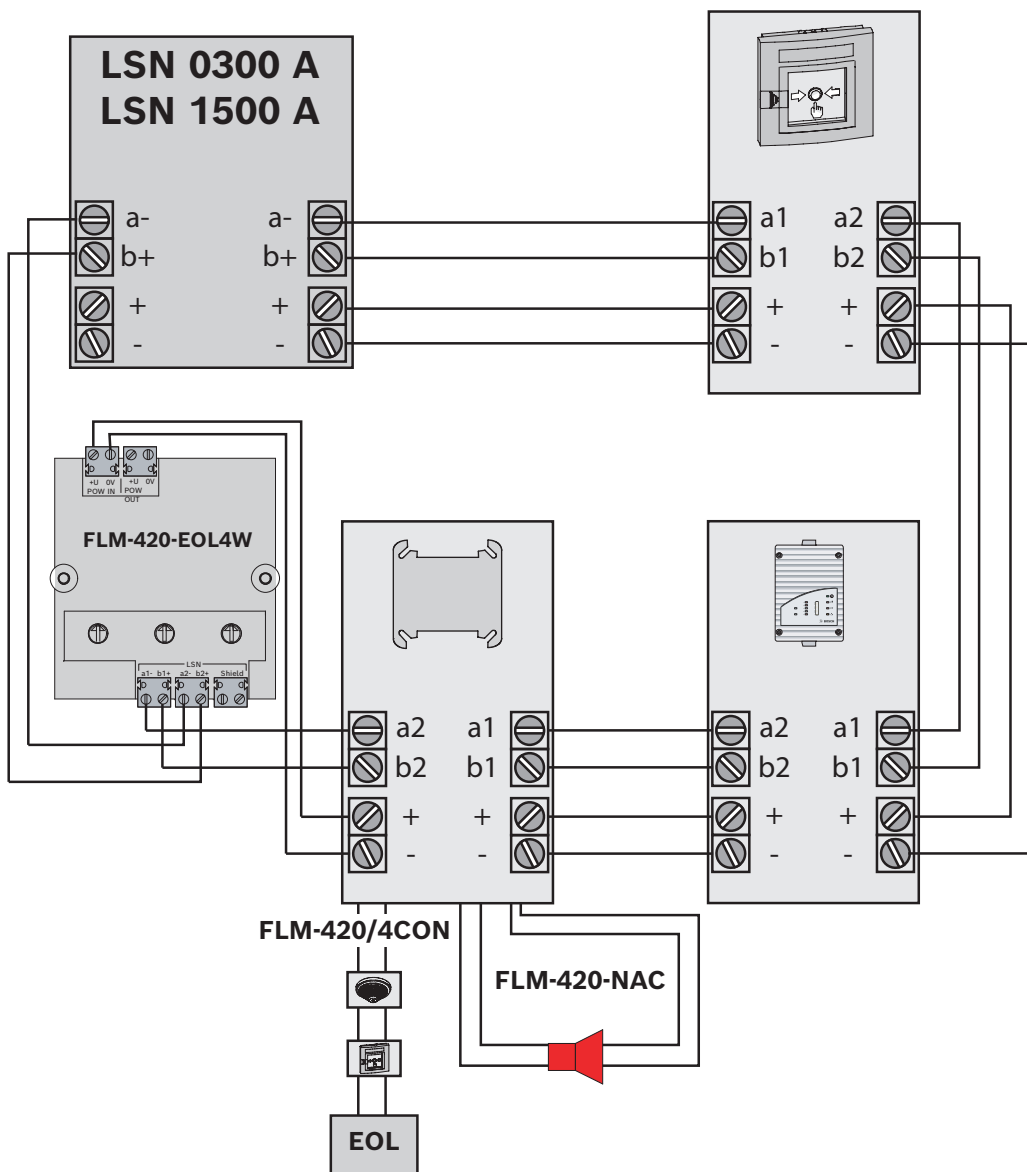
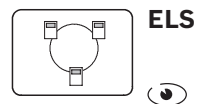
2.6.2 LSN 0300 A





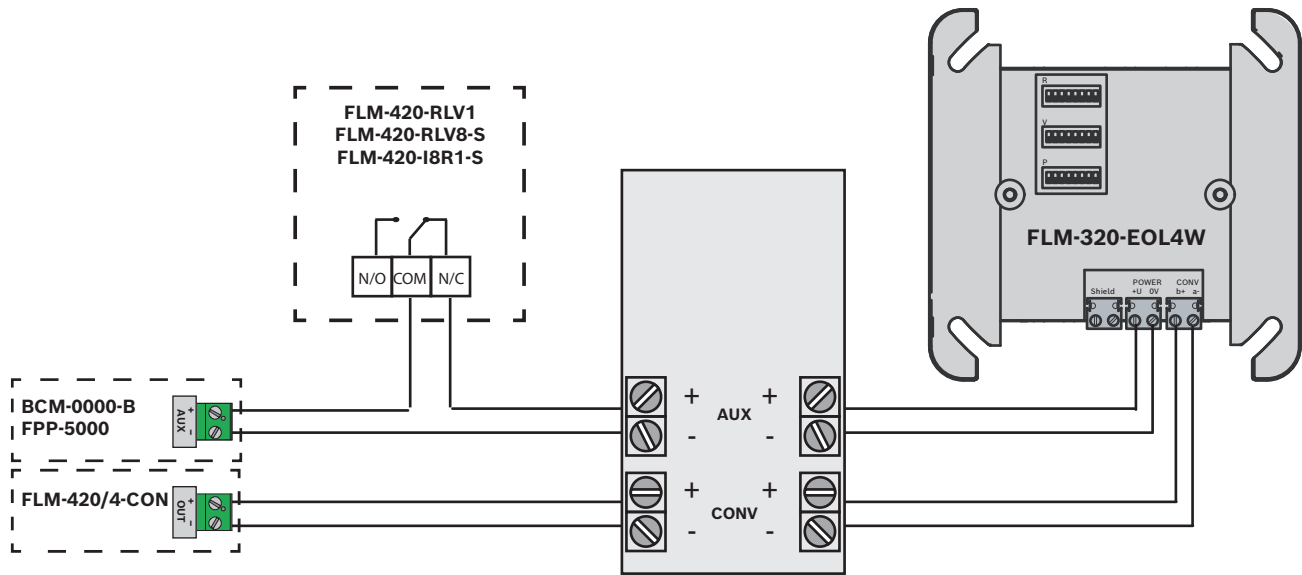
ELS

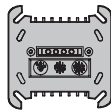
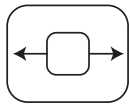




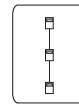
Reset action

ELS

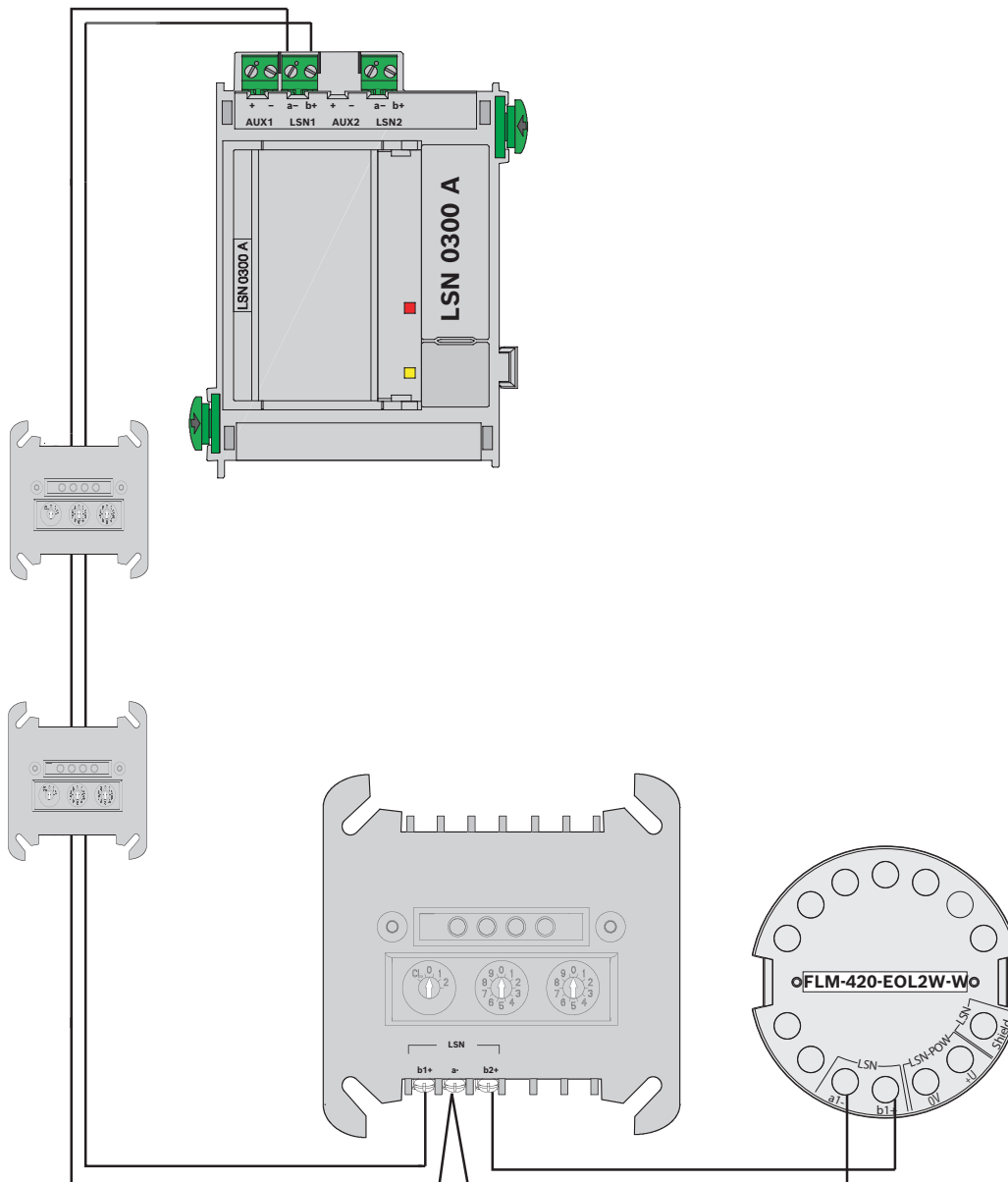


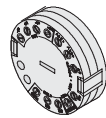
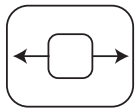


FLM-420-I2-D
 FLM-420-O1I1-D
 FLM-420-RHV-D/S
 FLM-420-RLV1-D

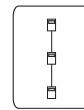


ELS

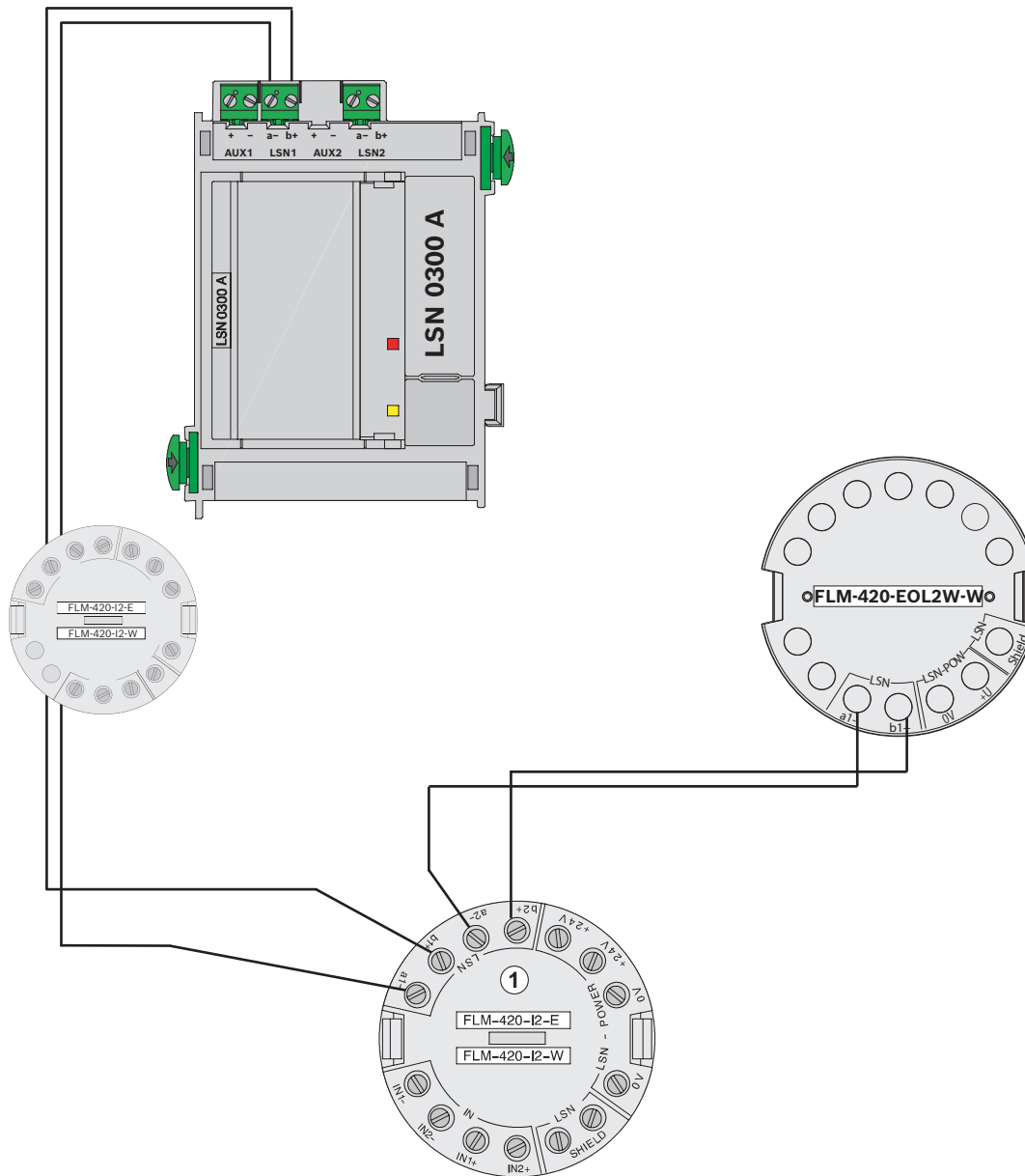


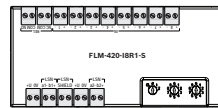
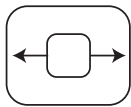


FLM-420-12-E/W

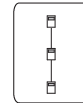


ELS

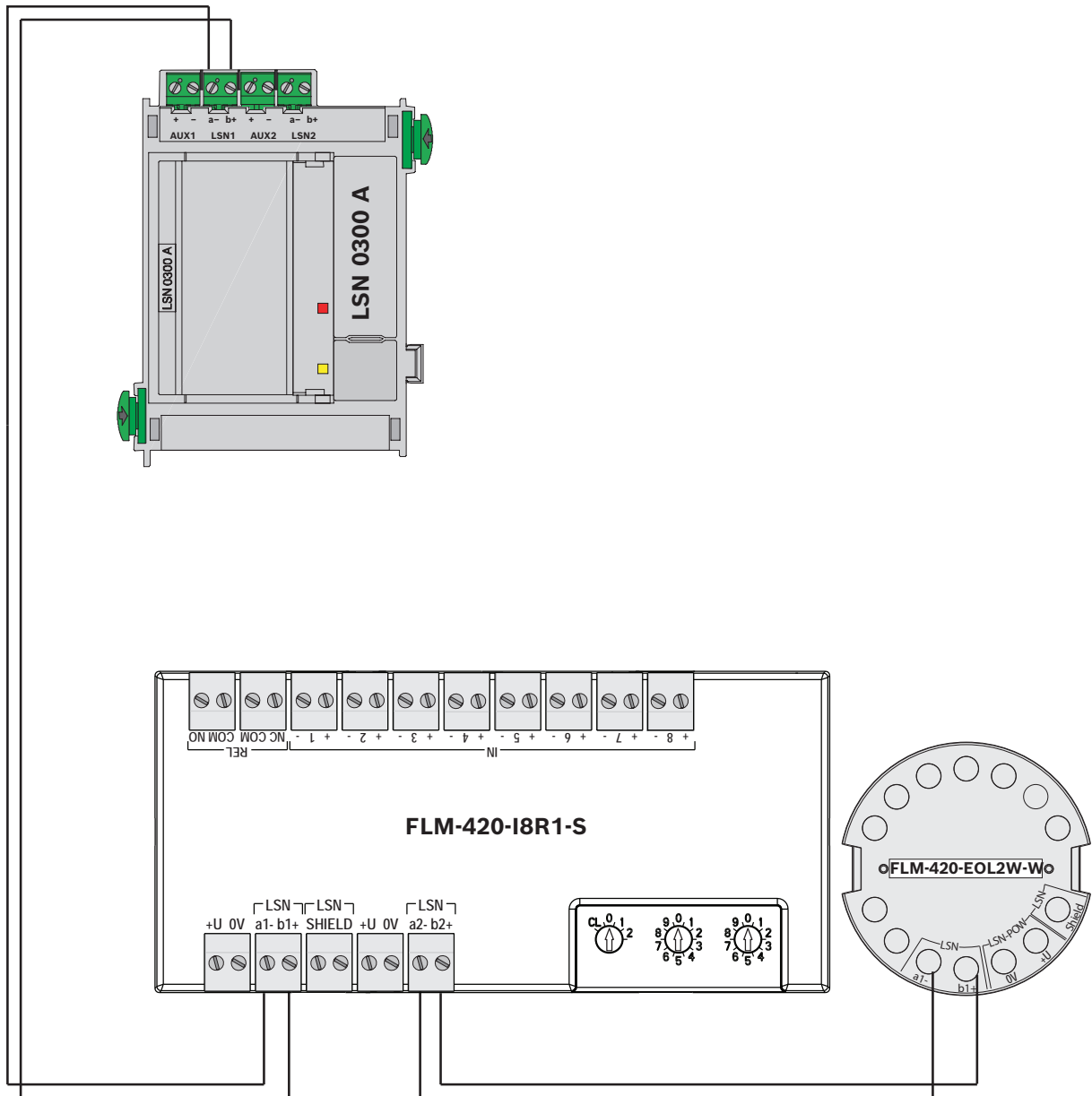


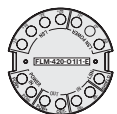
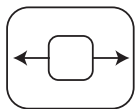


FLM-420-I8R1-S

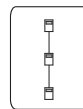


ELS

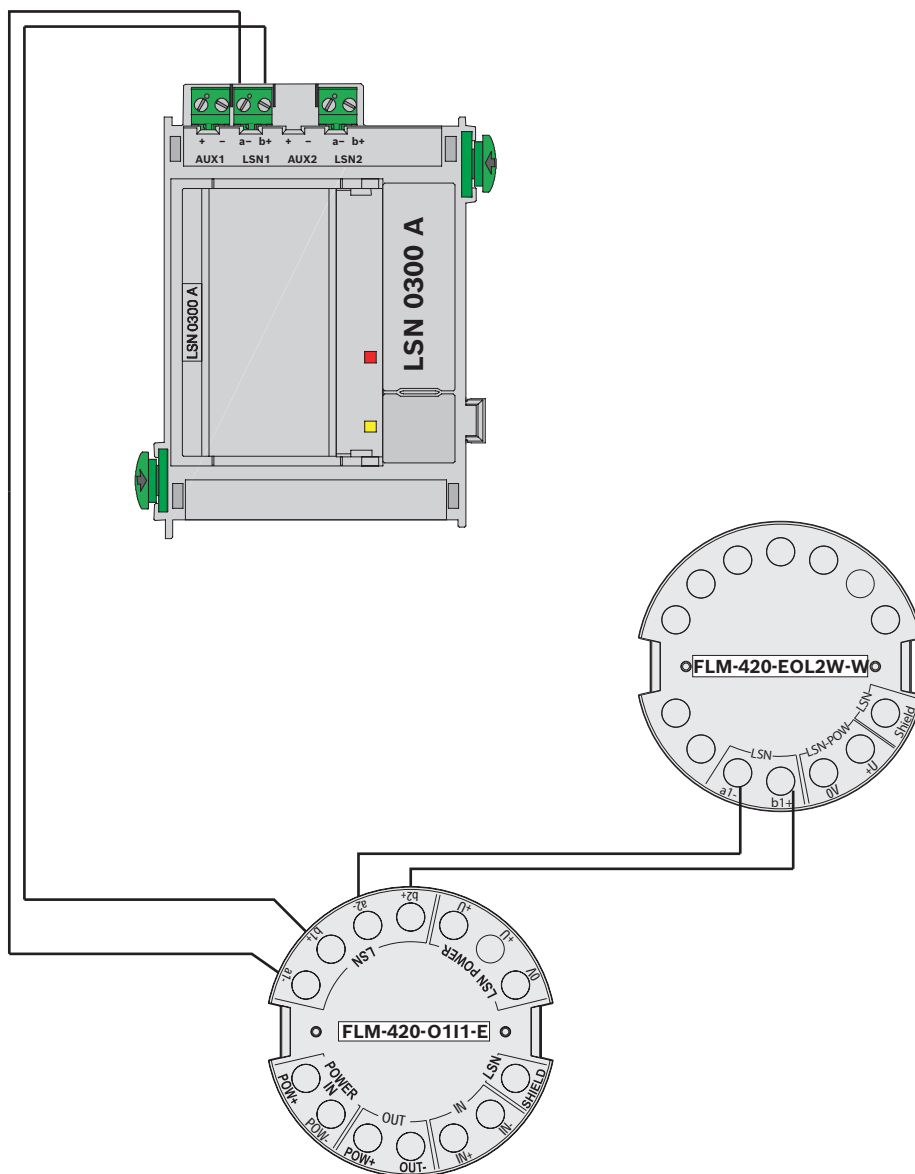


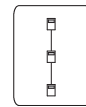
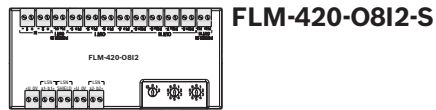
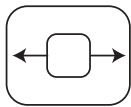


FLM-420-O1I1-E

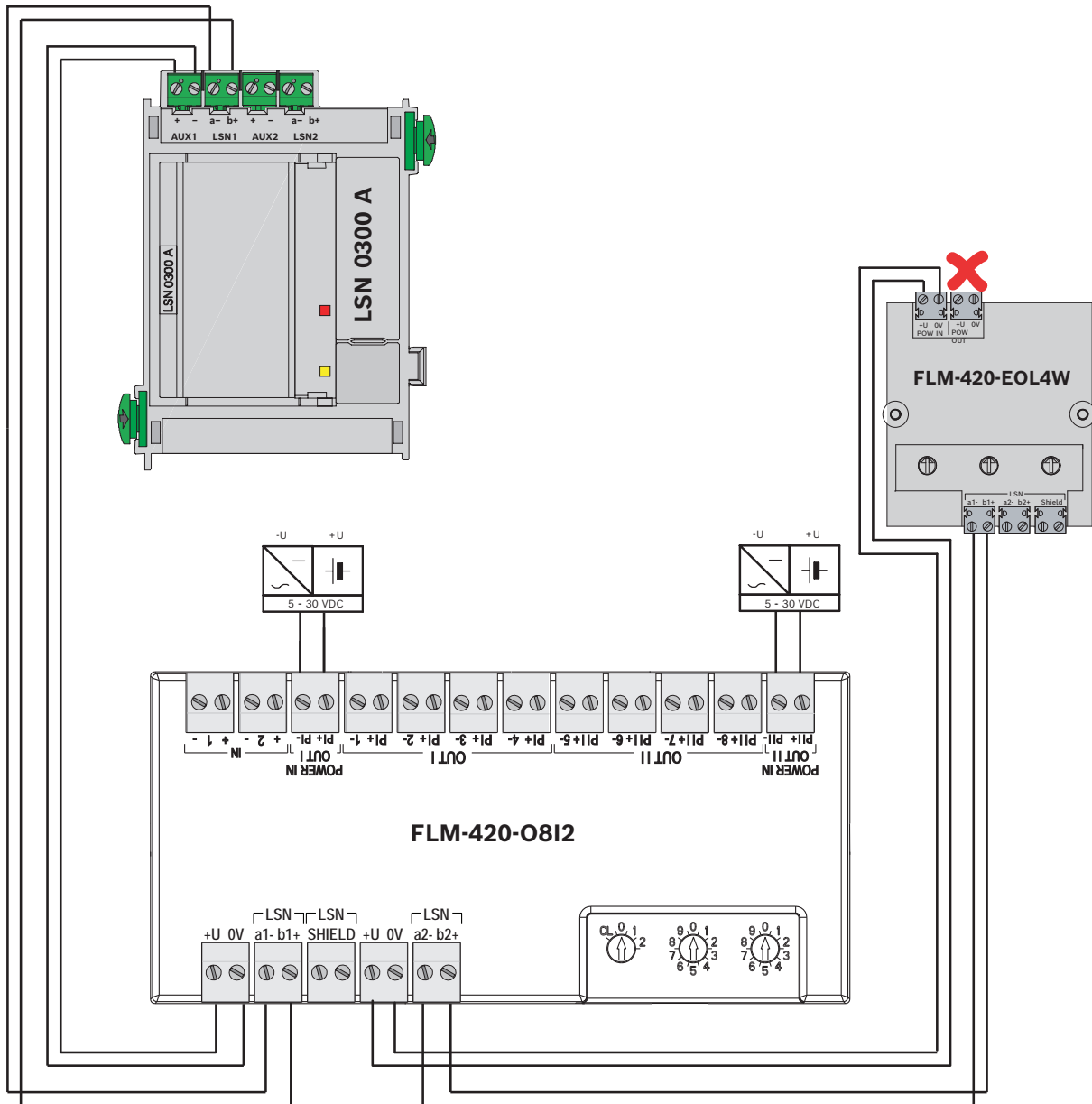


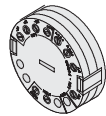
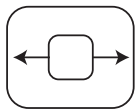
ELS



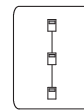


ELS

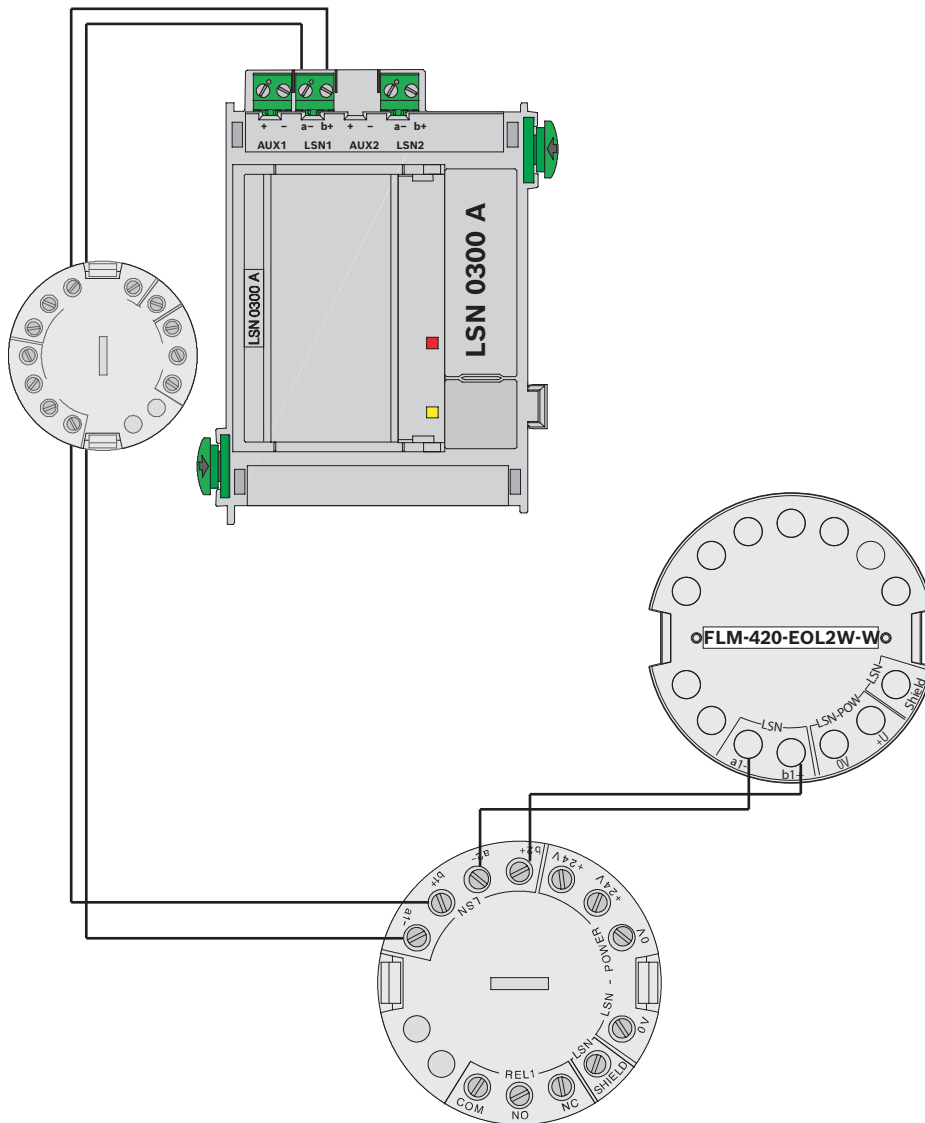


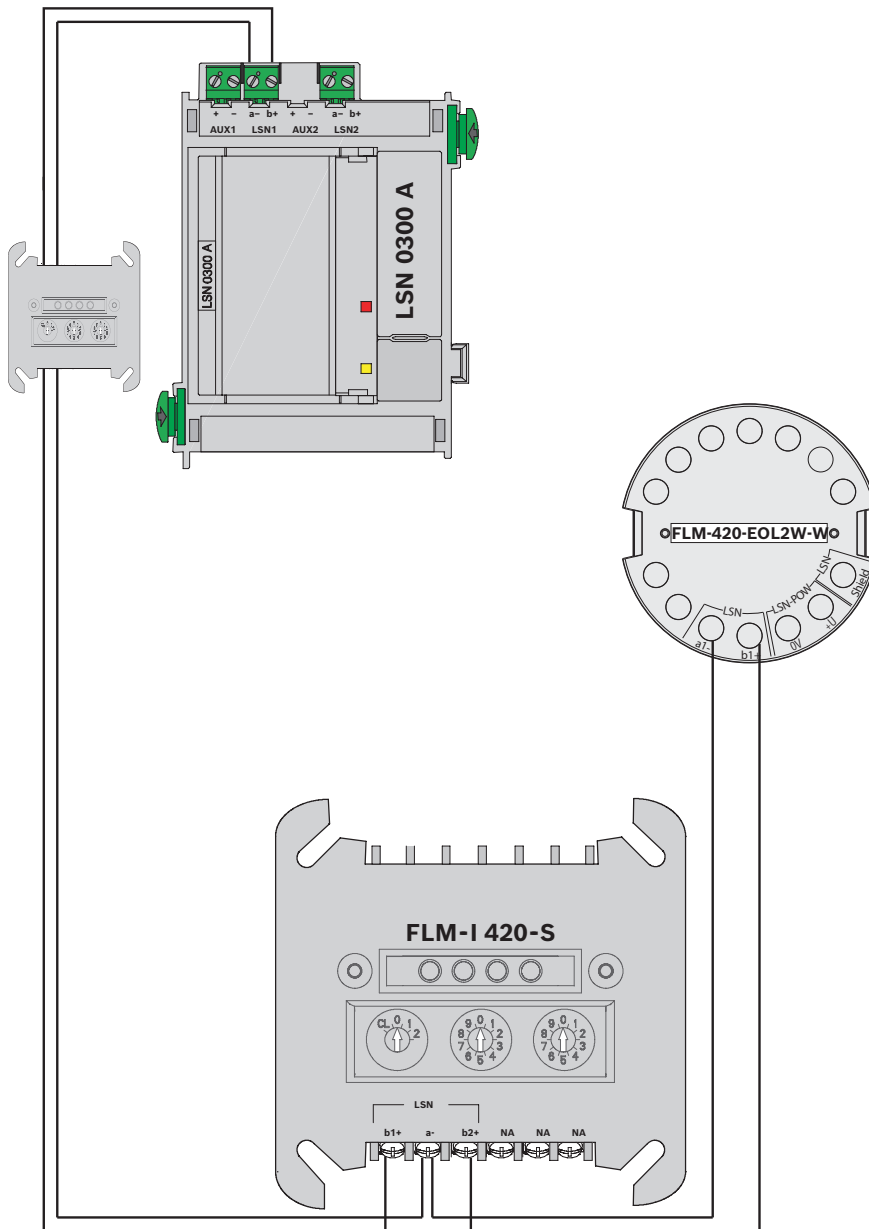
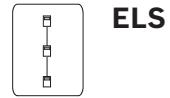
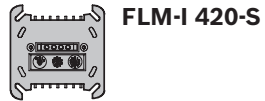
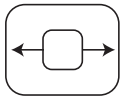


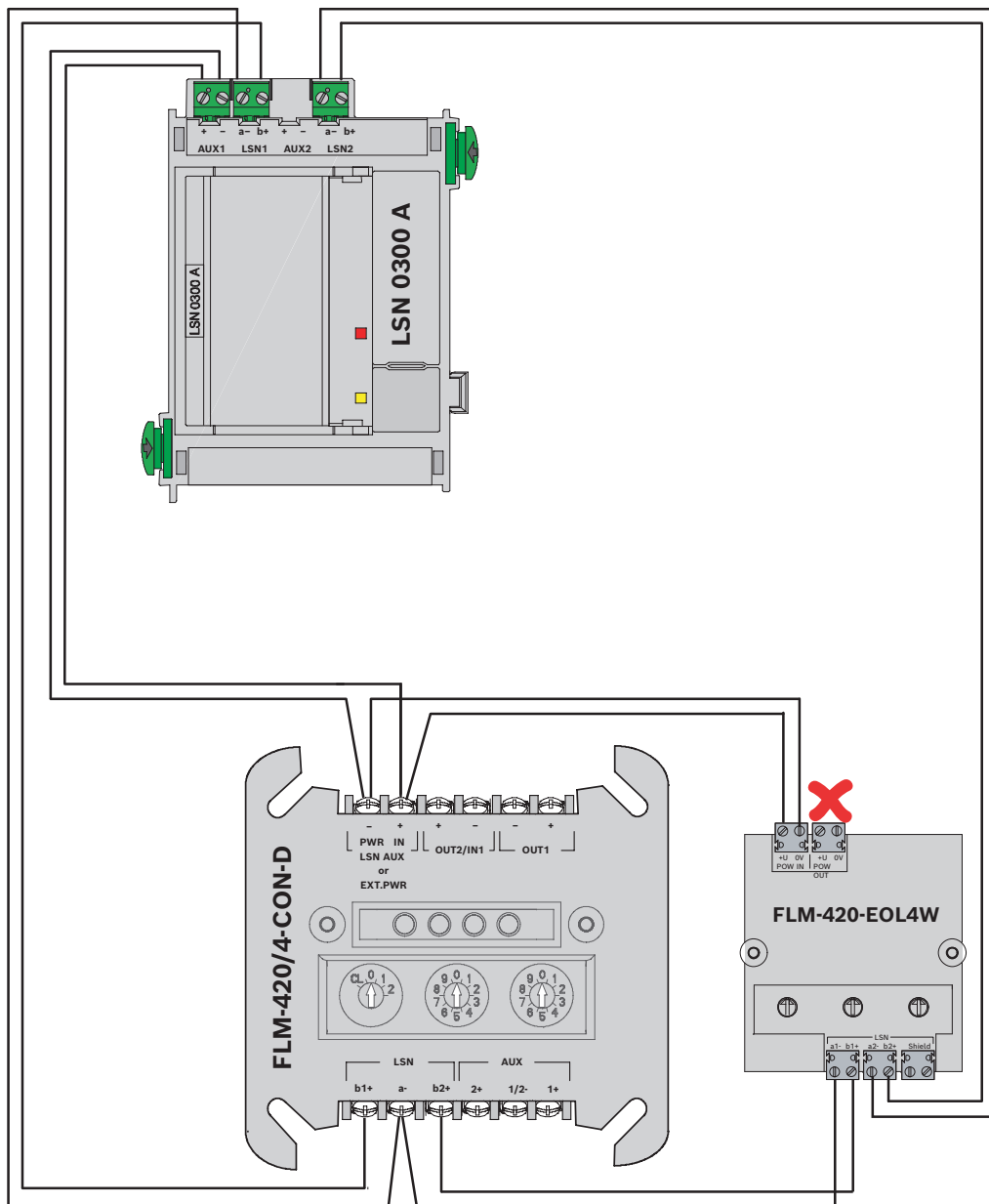
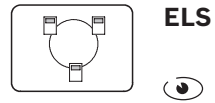
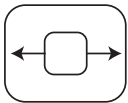
FLM-420-I2-E/-W
FLM-420-RLV1-E

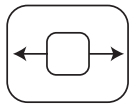


ELS

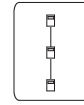




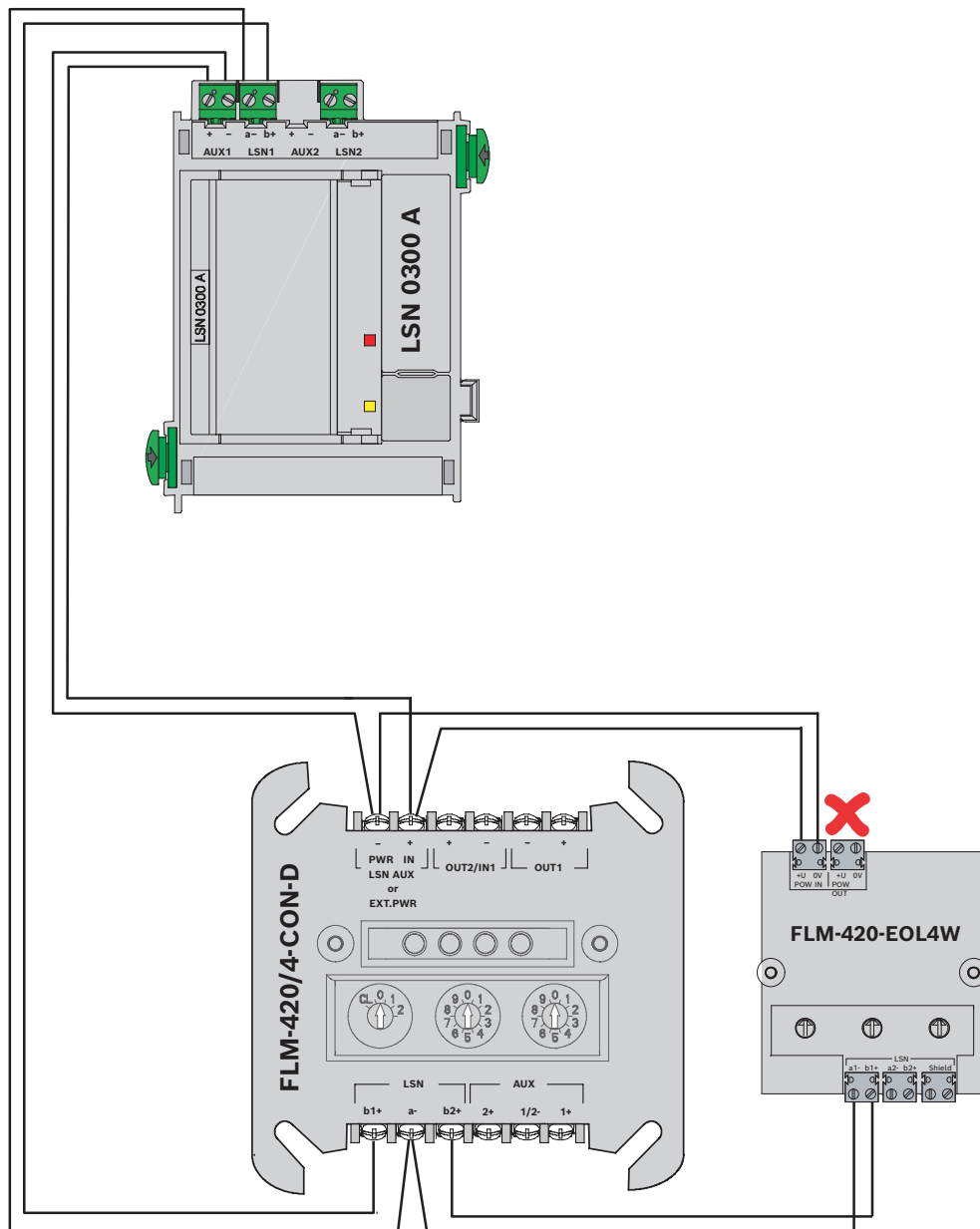


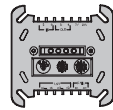
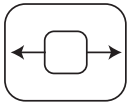


**FLM-420/
4-CON-D**

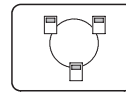


ELS

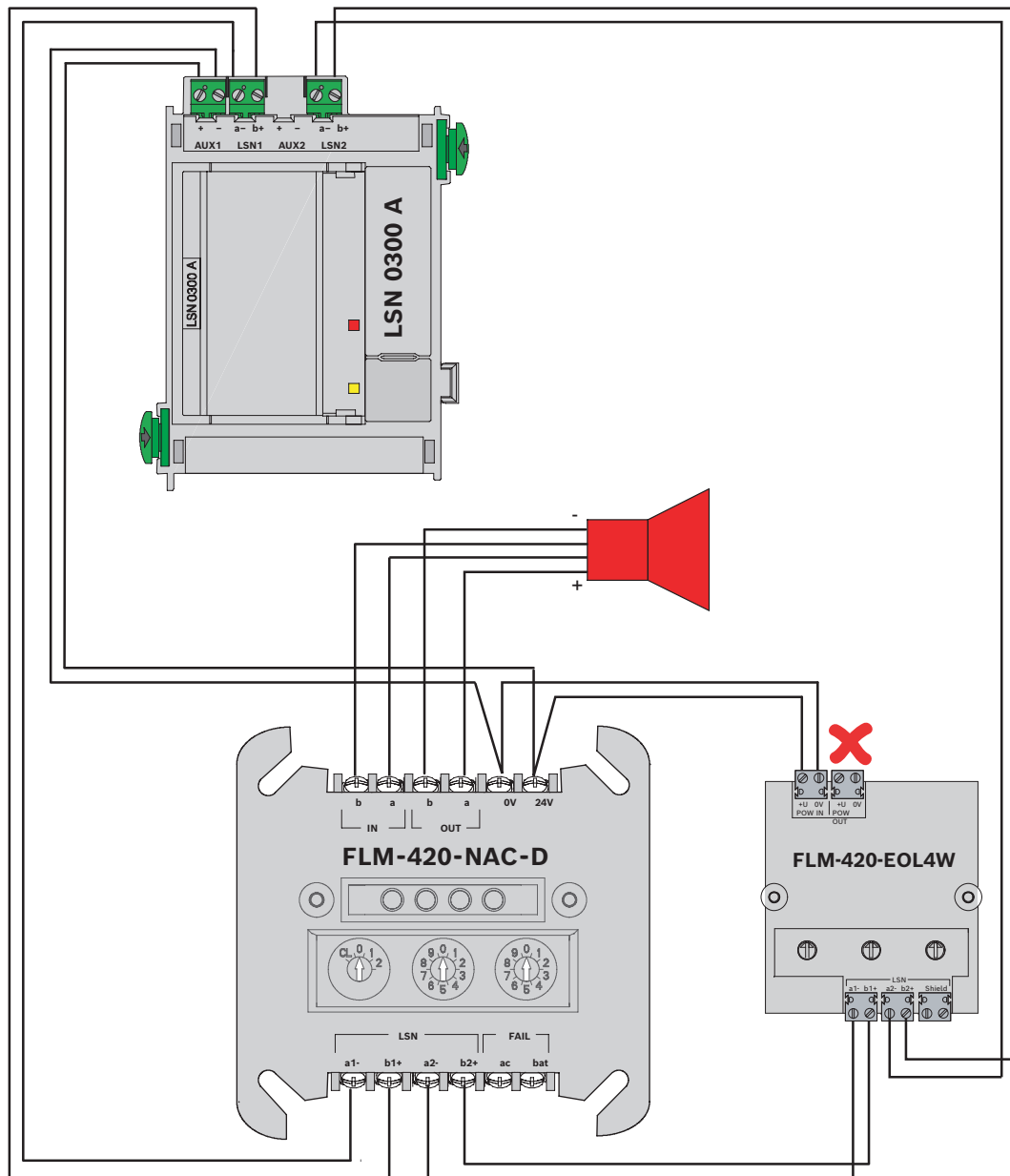


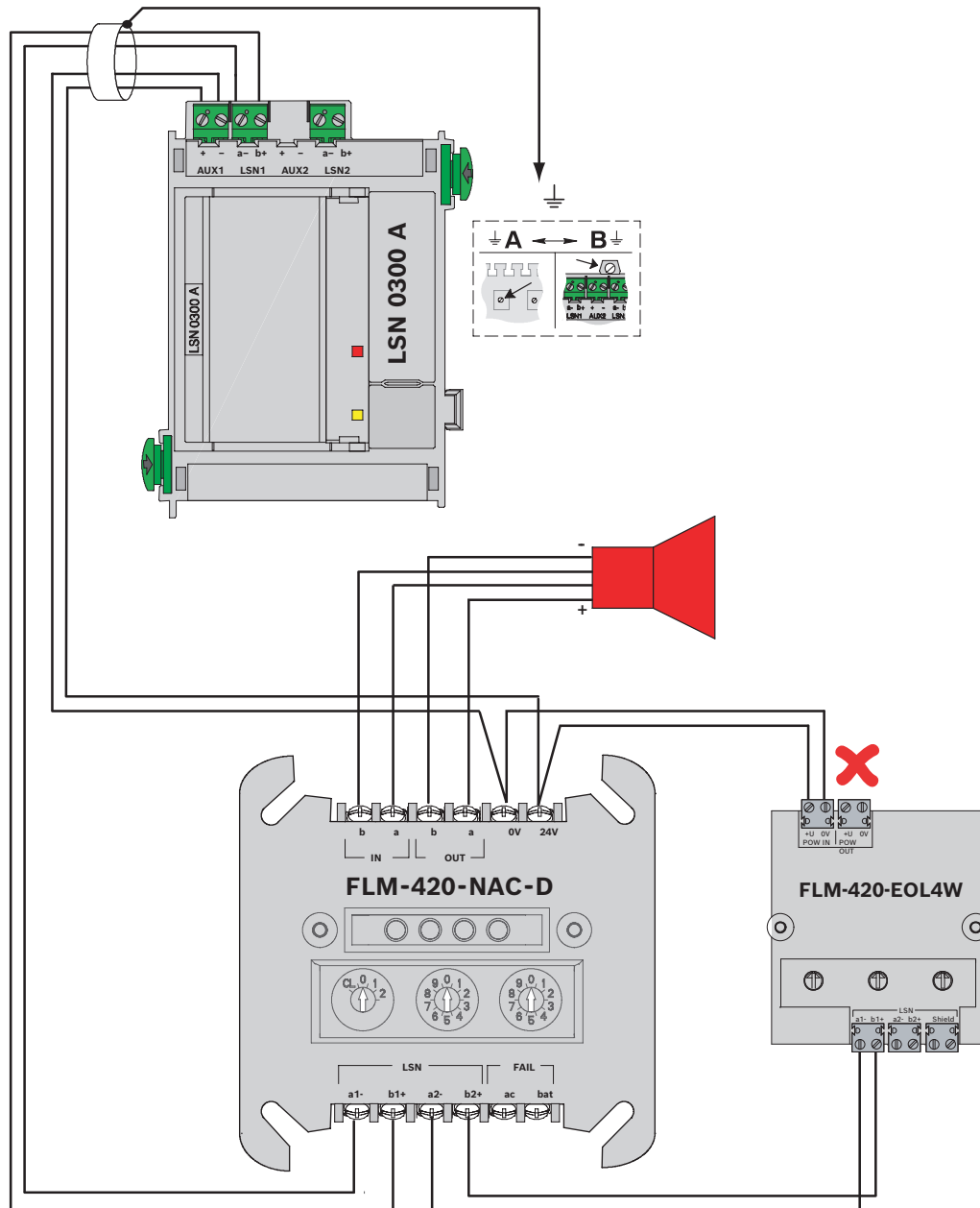
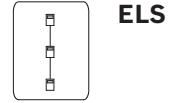
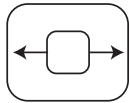


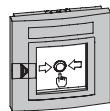
FLM-420-NAC-D/S



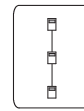
ELS
EN 54-2



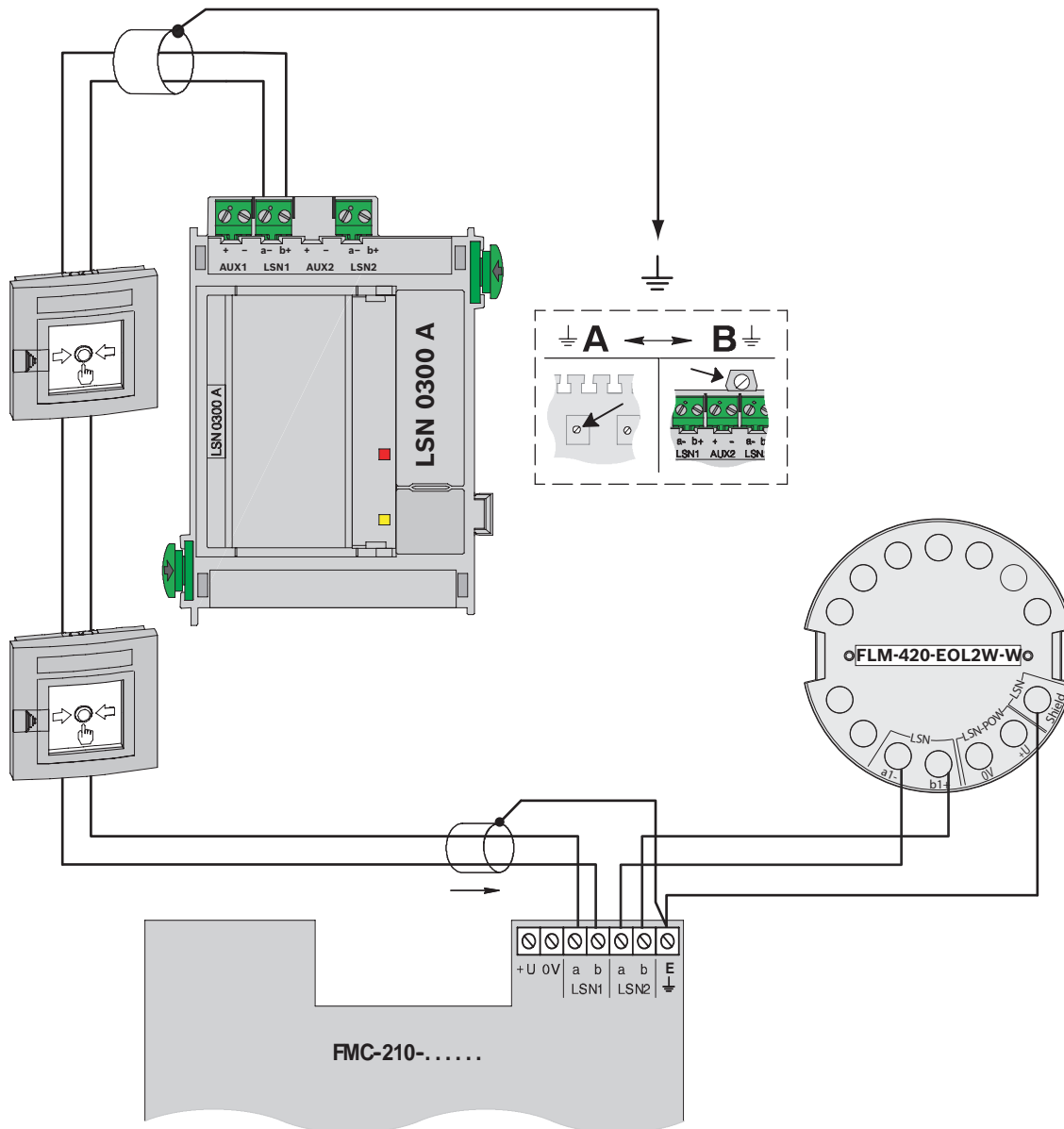


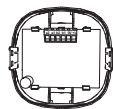


FMC-210...

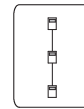


ELS

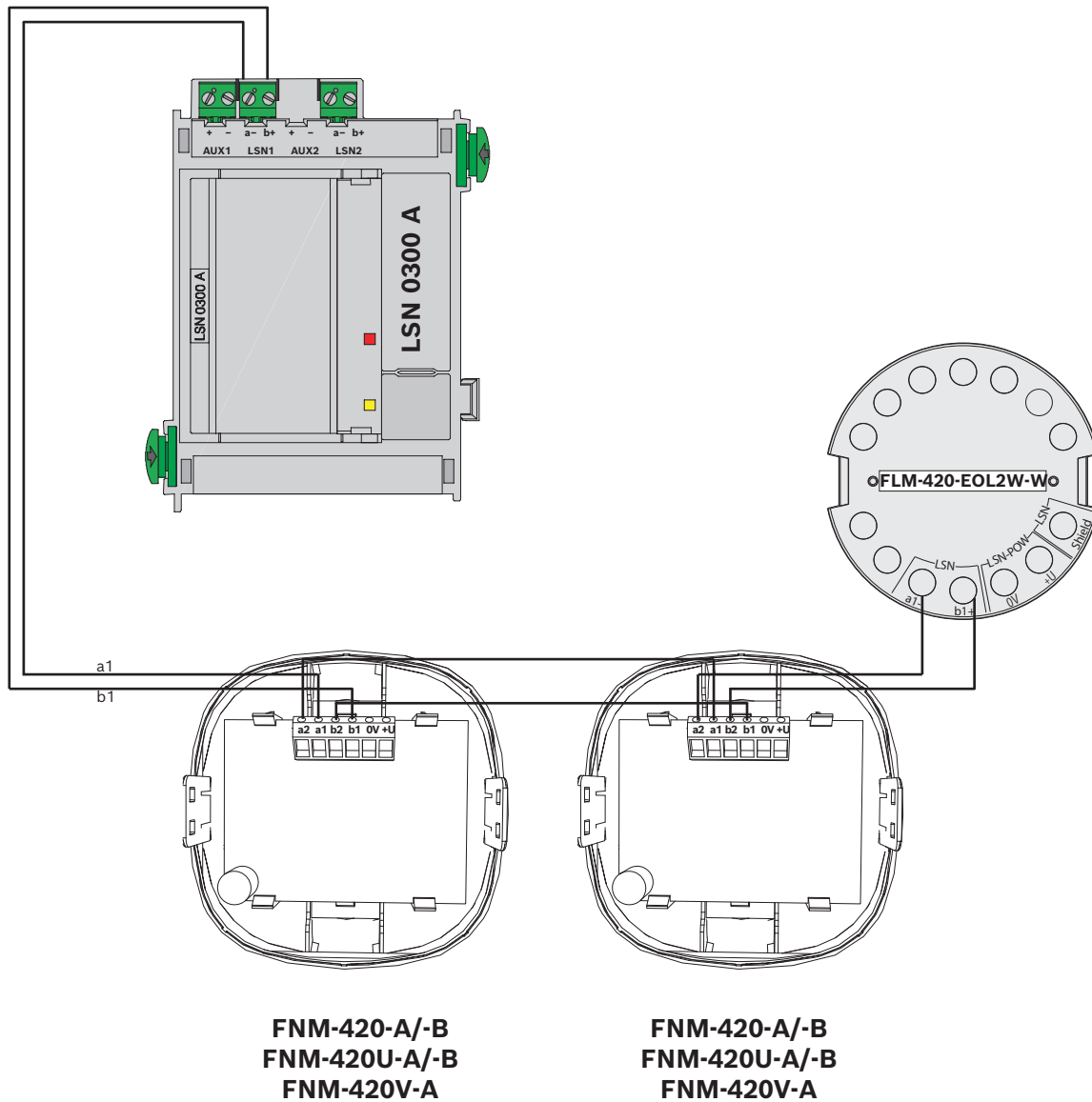




FNM-420-A /-B
FNM-420U-A /-B
FNM-420V-A



ELS

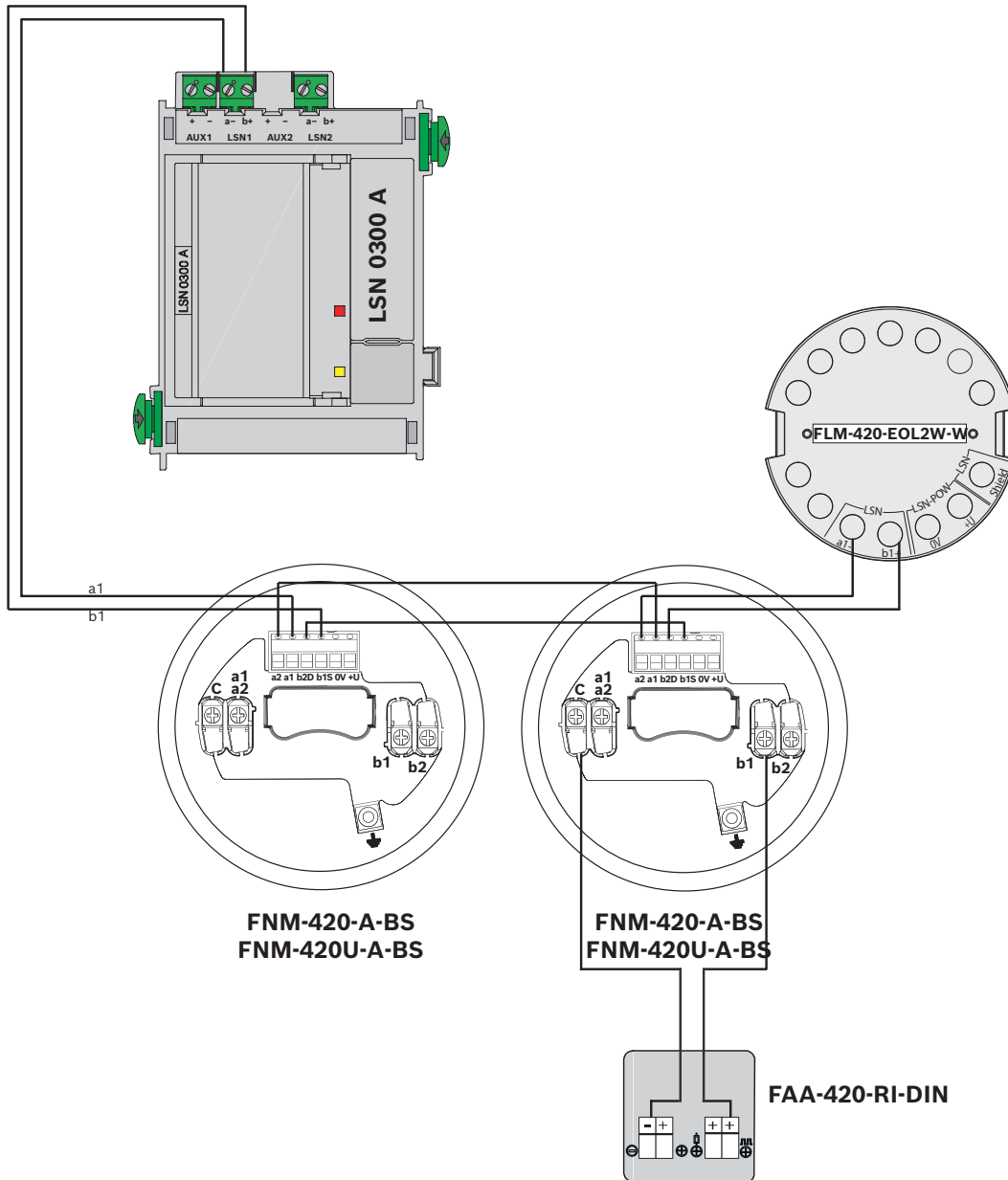




FNM-420-A-BS
FNM-420U-A-BS



ELS

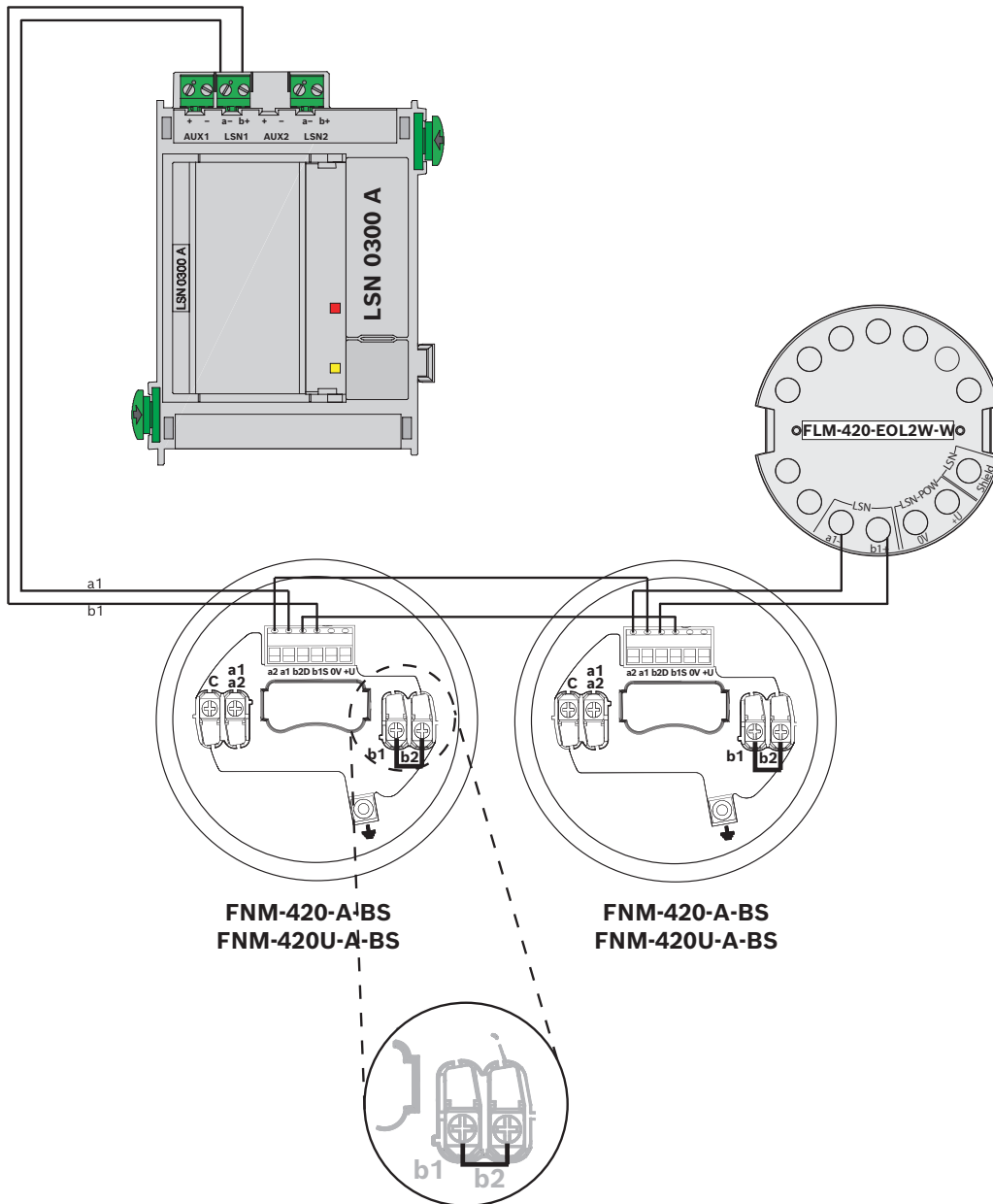


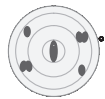


FNM-420-A-BS
FNM-420U-A-BS



ELS

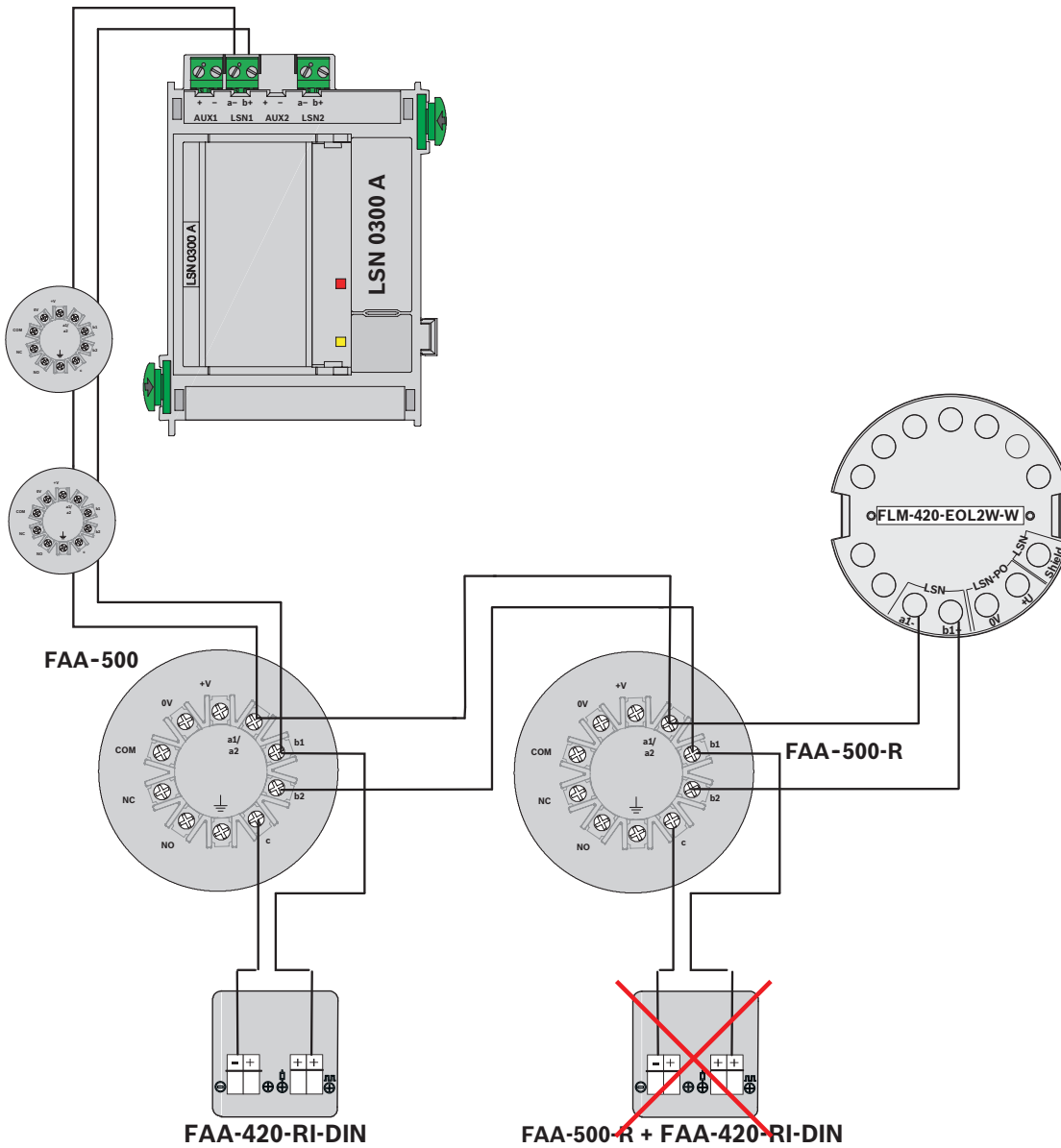


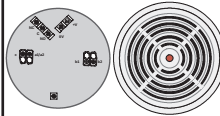


FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P

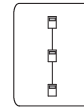


ELS

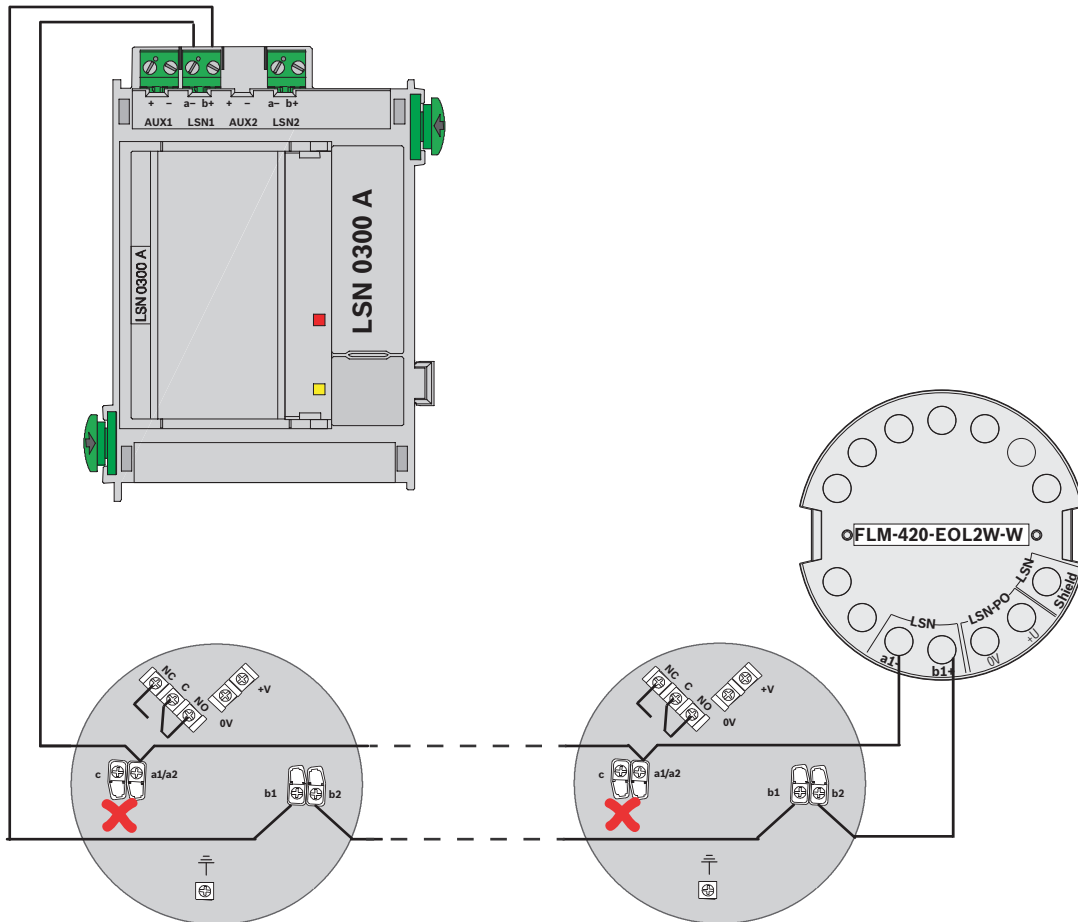


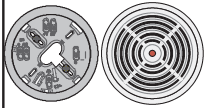


FAA-MSR-420
FAP-425-O, FAP-425-O-R
FAP-425-OT, FAP-425-OT-R
FAP-425-T-R
FAP-425-DO-R, FAP-425-DOT-R
FAP-425-DOTC-R, FAP-425-DOTCO-R



ELS

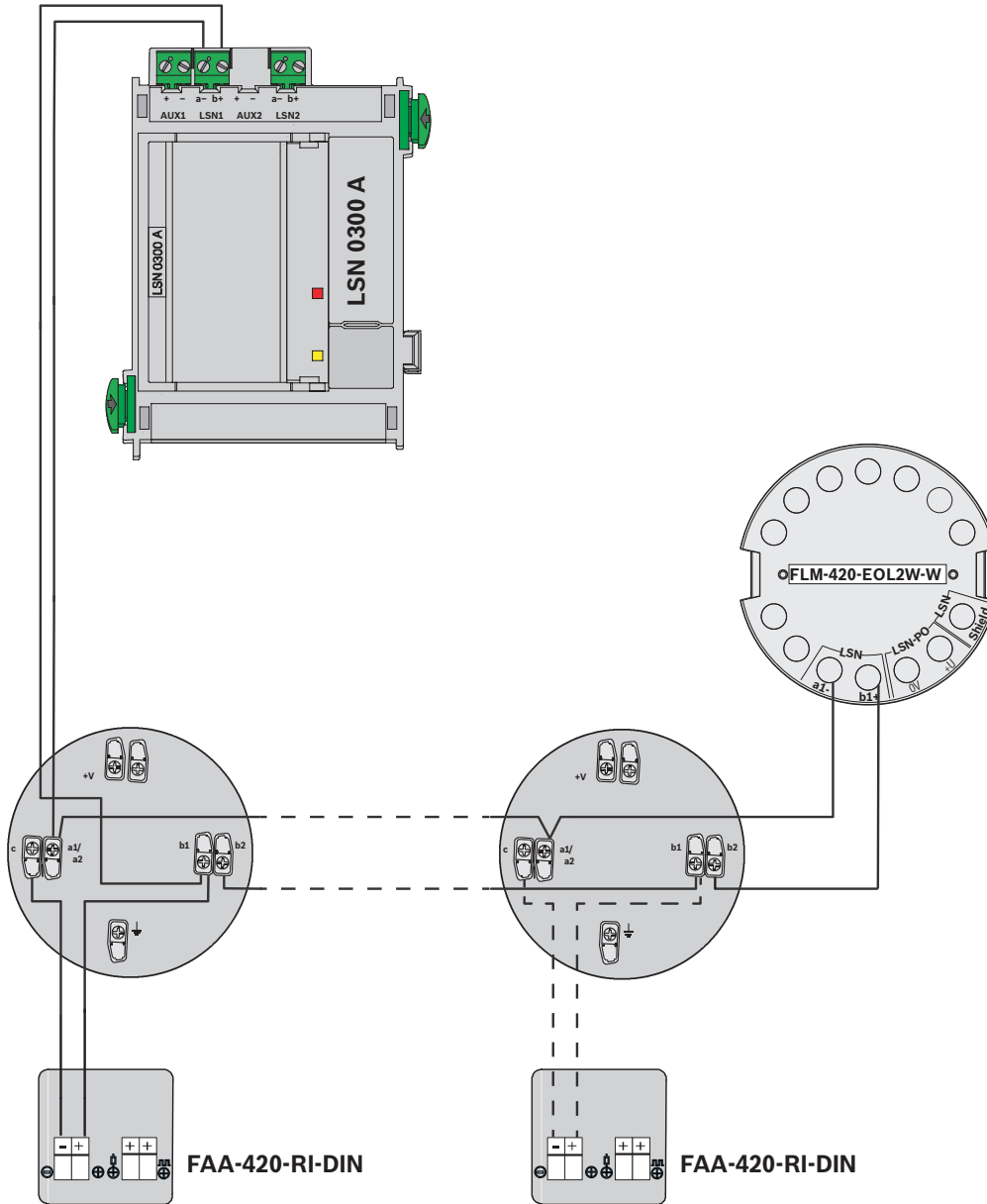


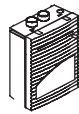


MS 400, MS 400 B
 FAP-425-O, FAP-425-O-R
 FAP-425-OT, FAP-425-OT-R
 FAP-425-T-R
 FAP-425-DO-R, FAP-425-DOT-R
 FAP-425-DOTC-R, FAP-425-DOTCO-R

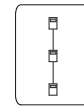


ELS

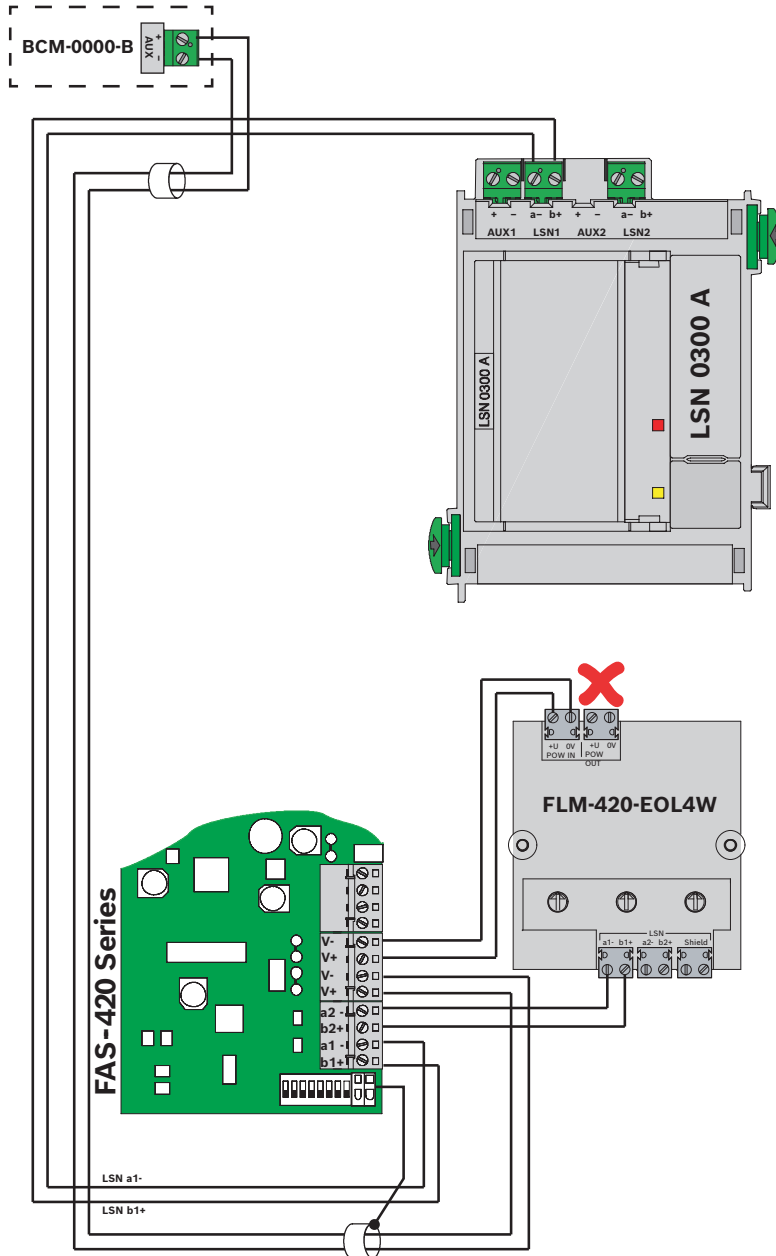


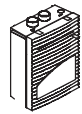


FAS-420 Series

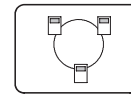


ELS

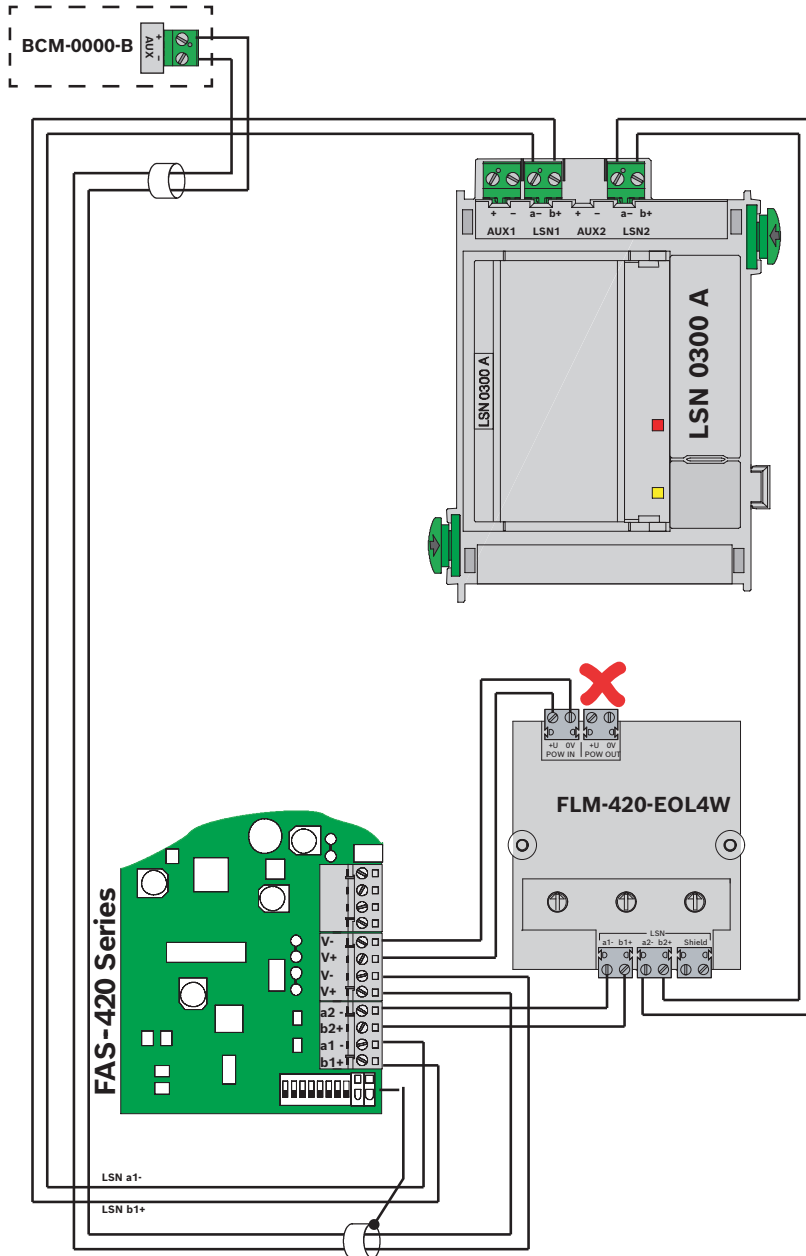


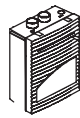


FAS-420 Series

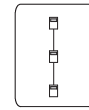


ELS

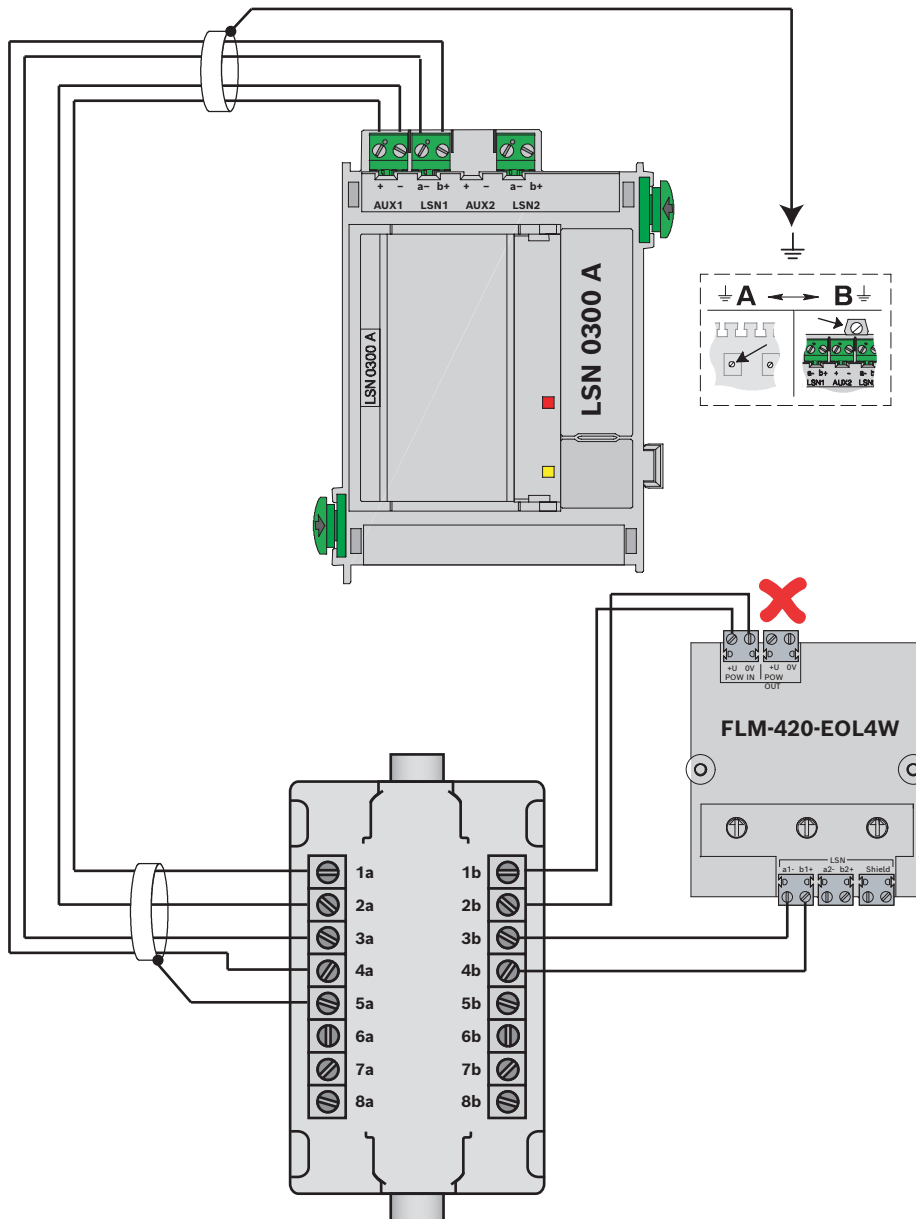


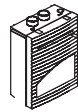


FAS-420-TM Series

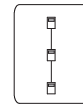


ELS

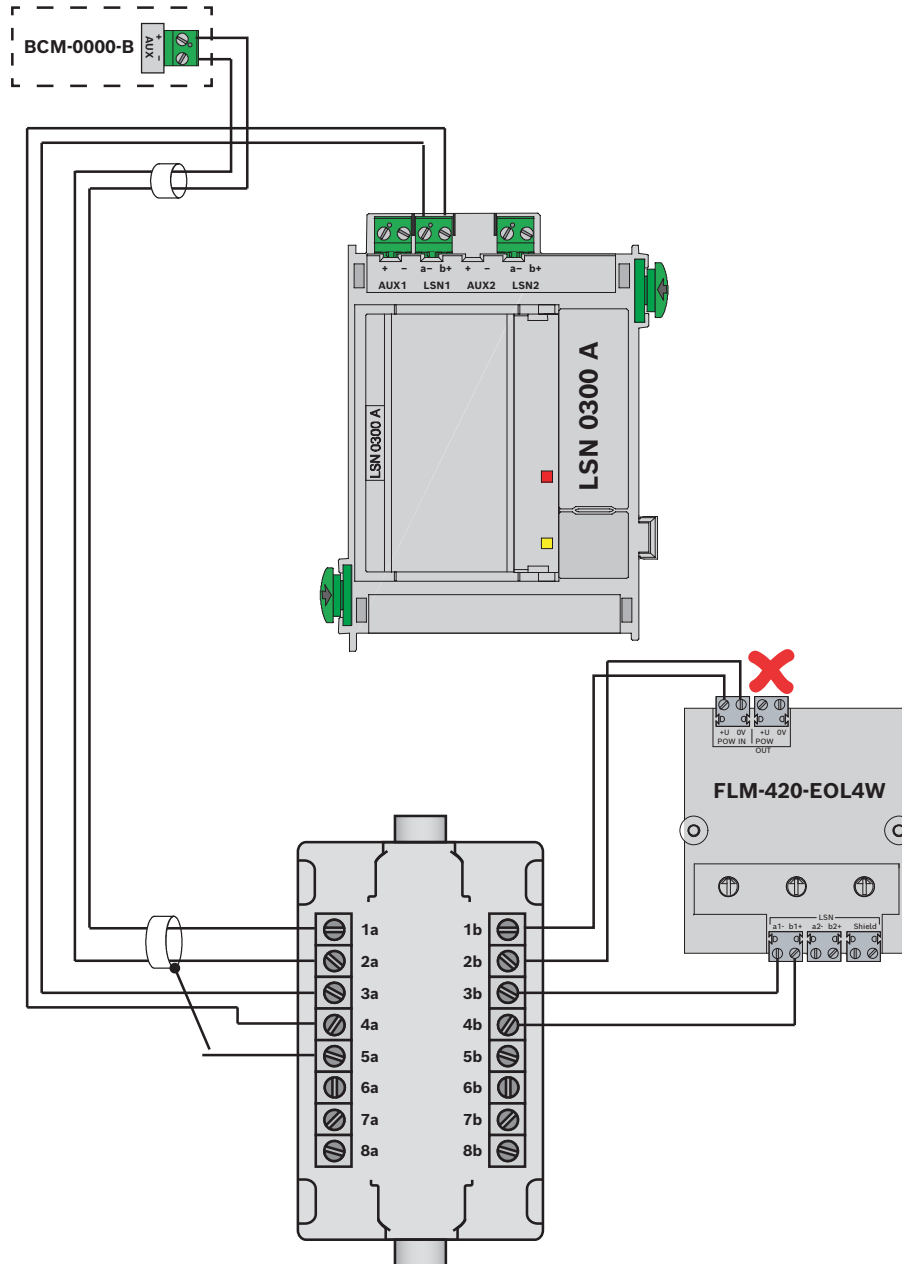


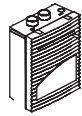


FAS-420-TM Series

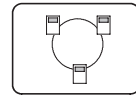


ELS

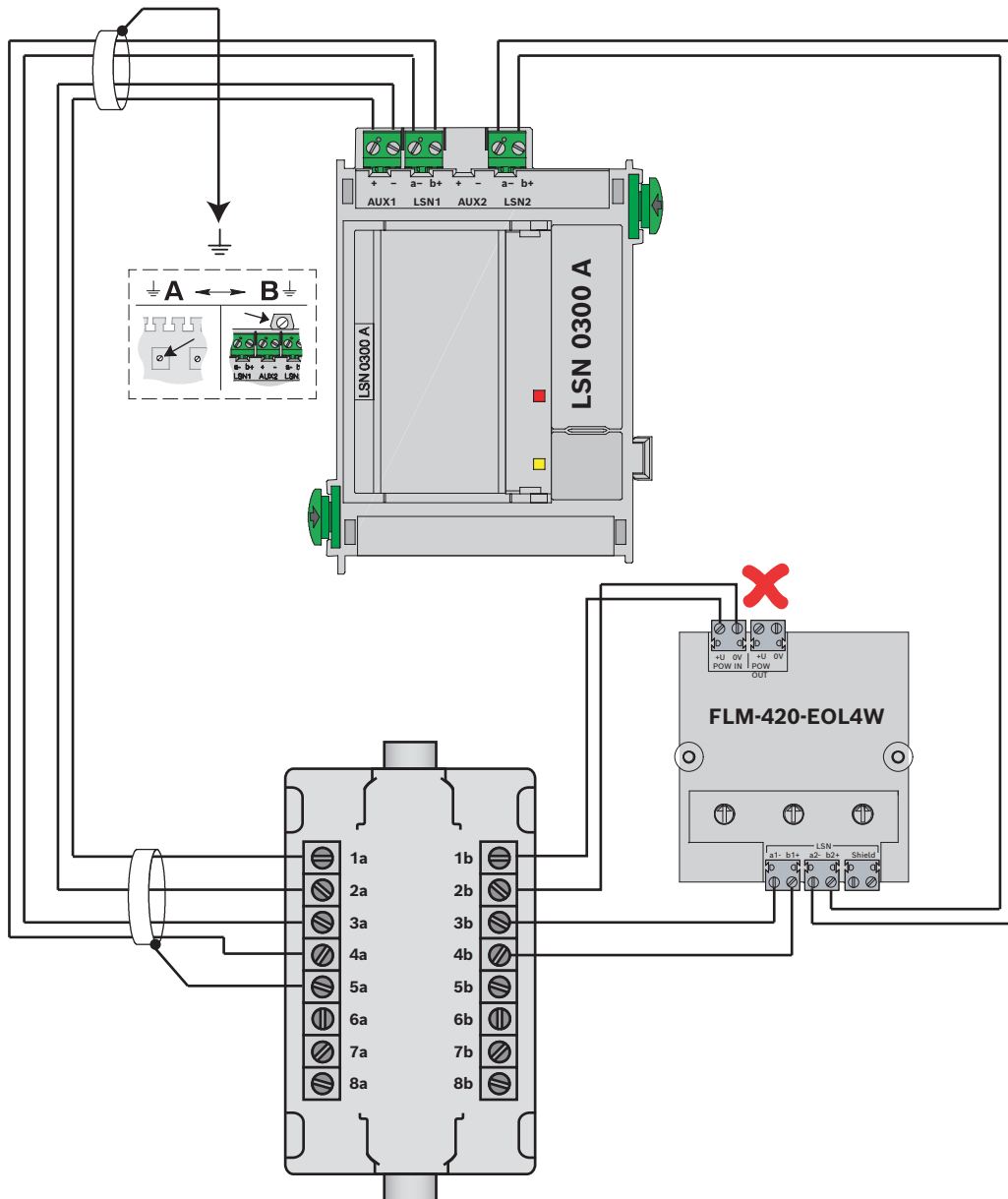


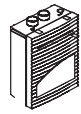


FAS-420-TM Series

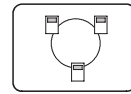


ELS

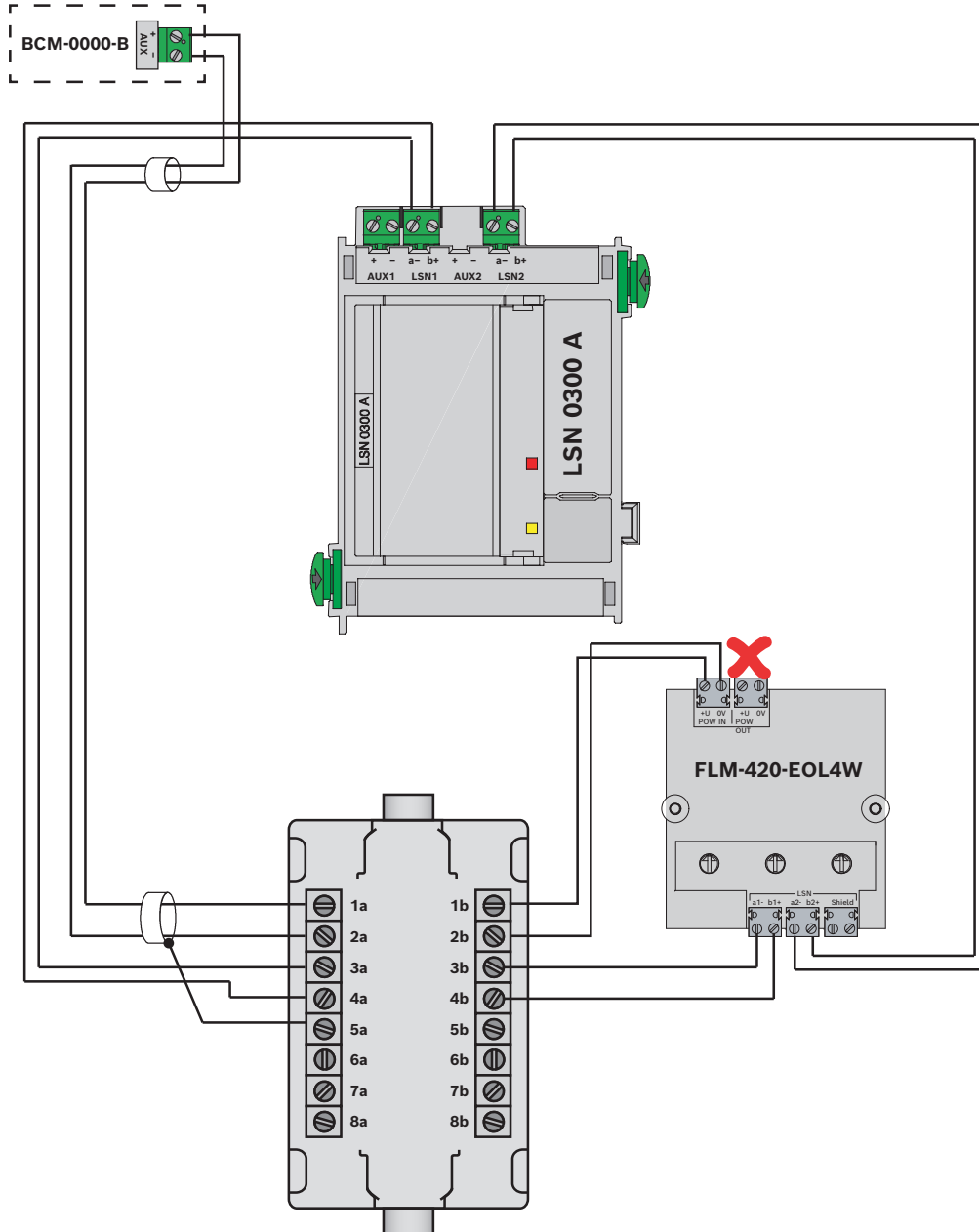




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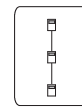


ELS

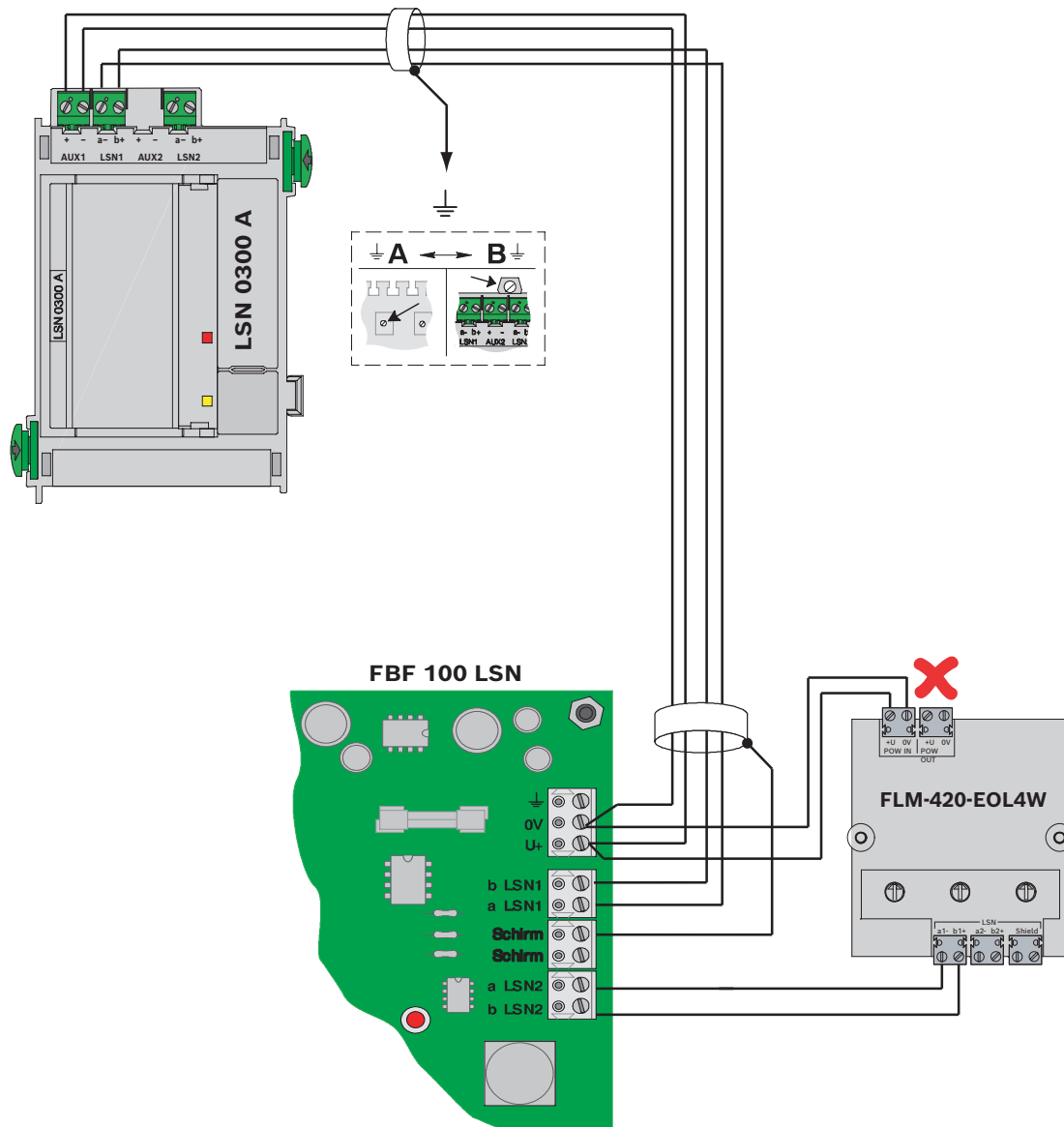




FBF 100 LSN

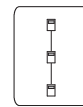


ELS

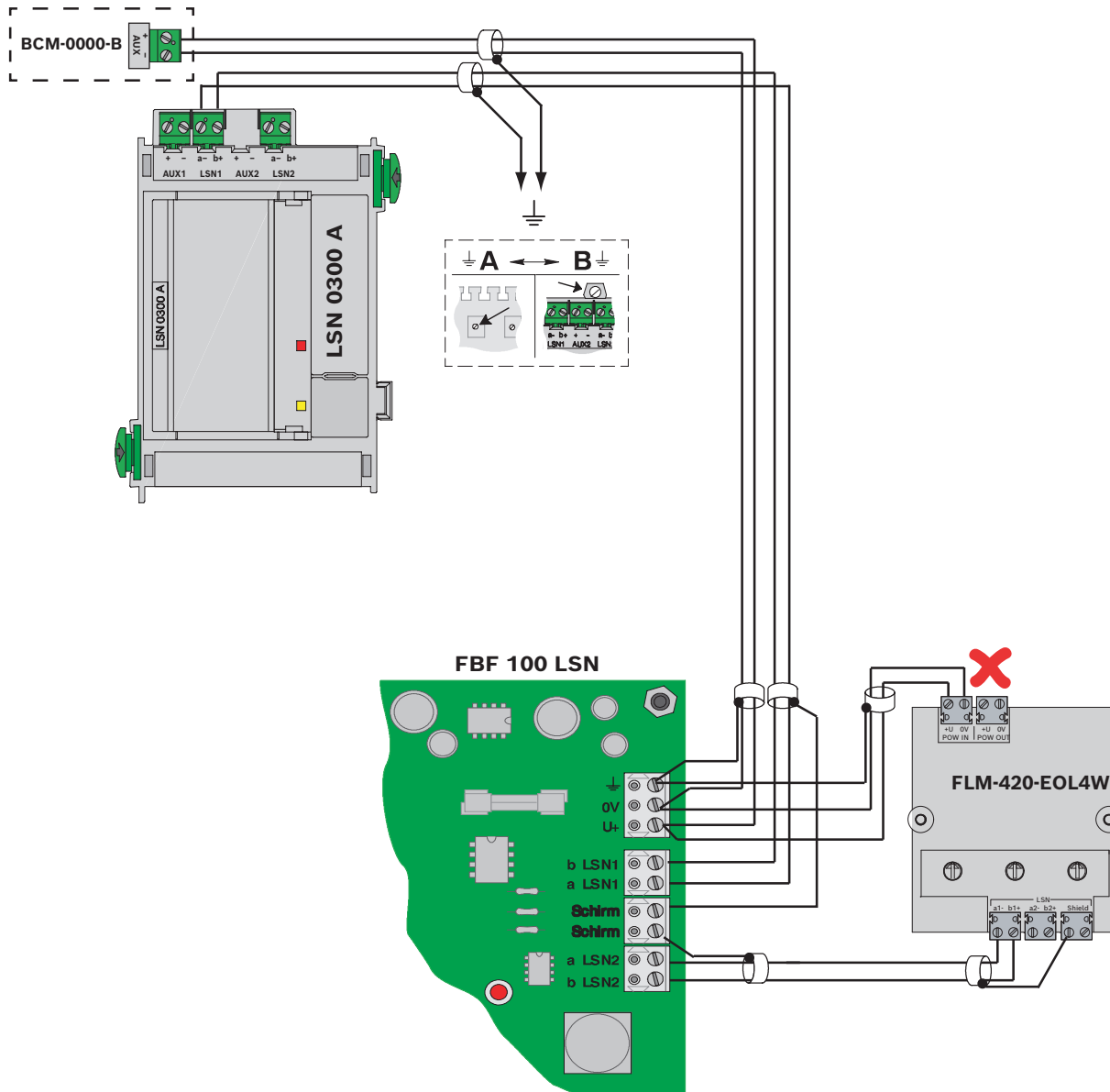




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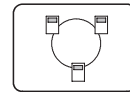


ELS

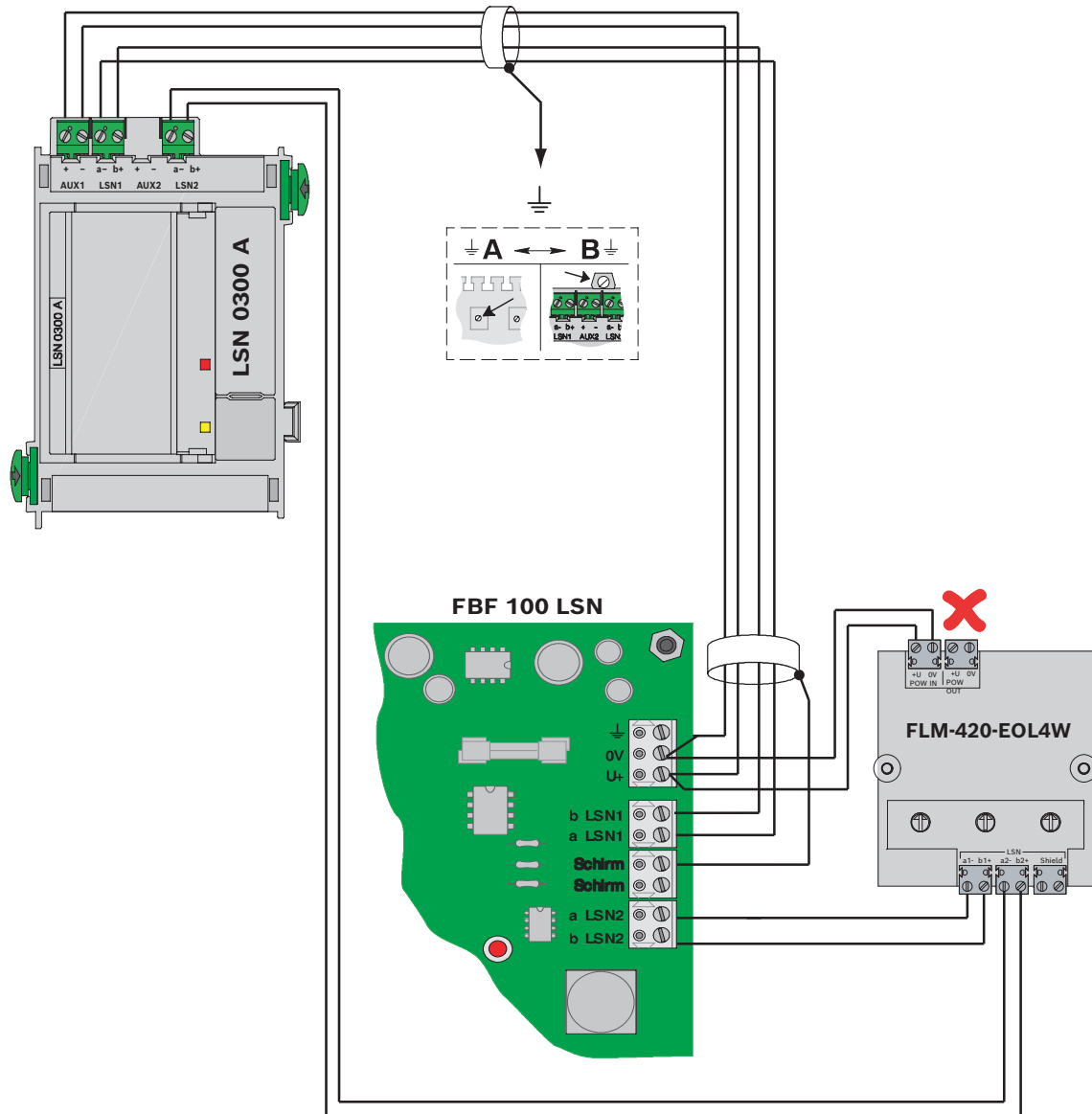


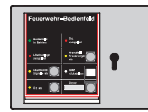


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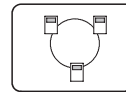


ELS

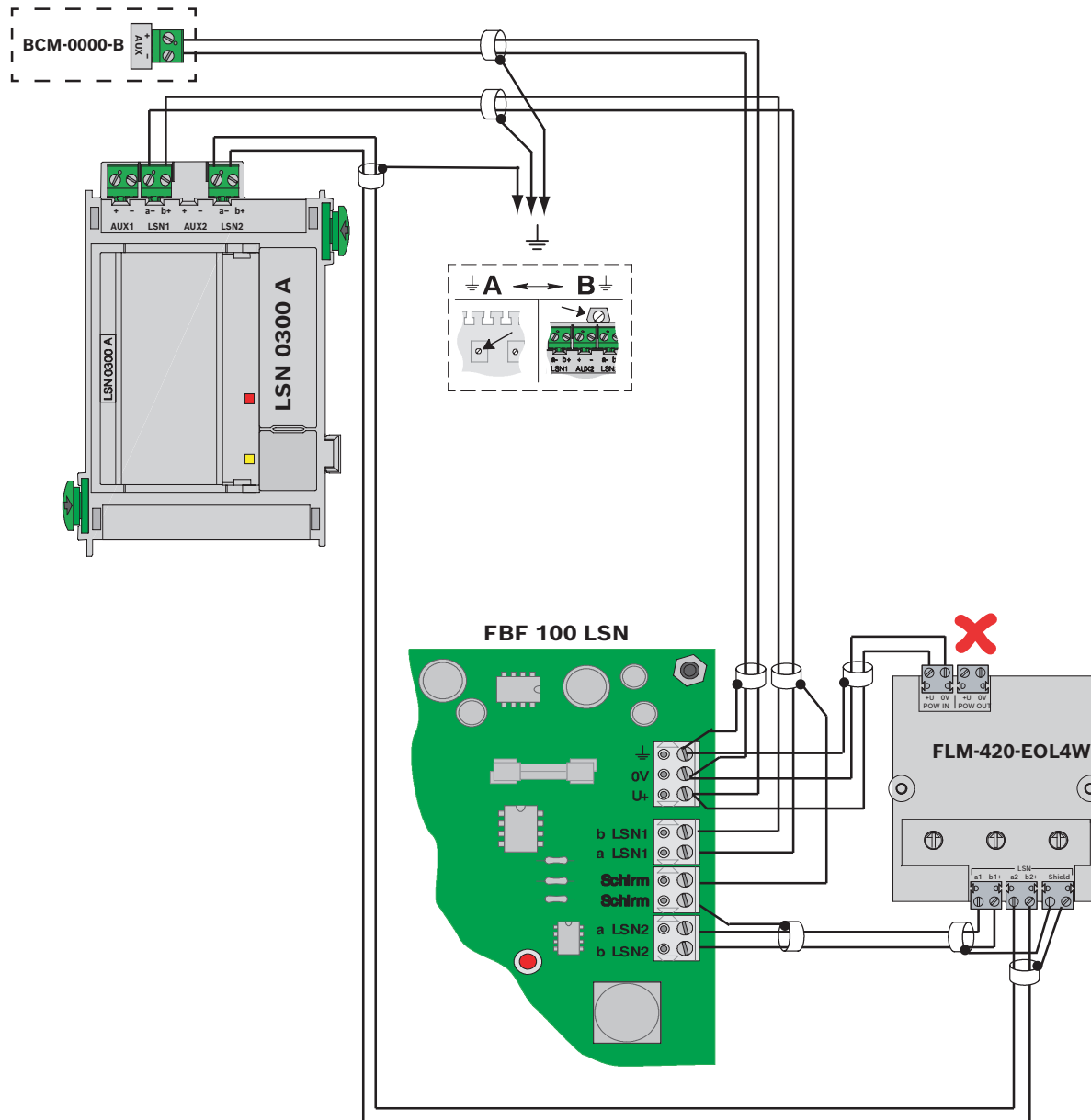


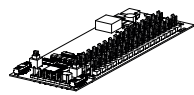


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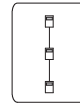


ELS

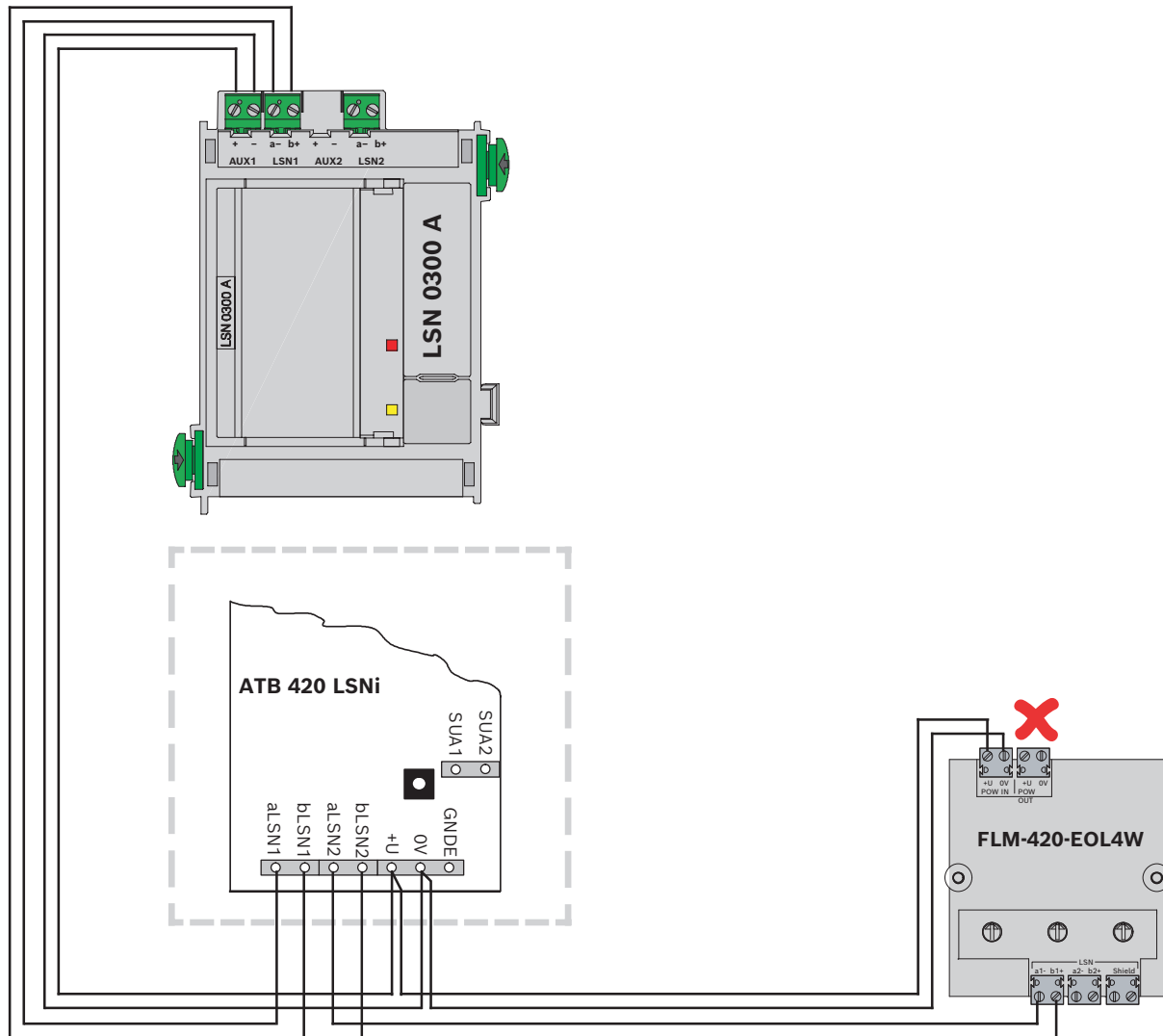


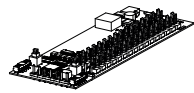


ATB 420 LSNi

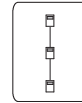


ELS

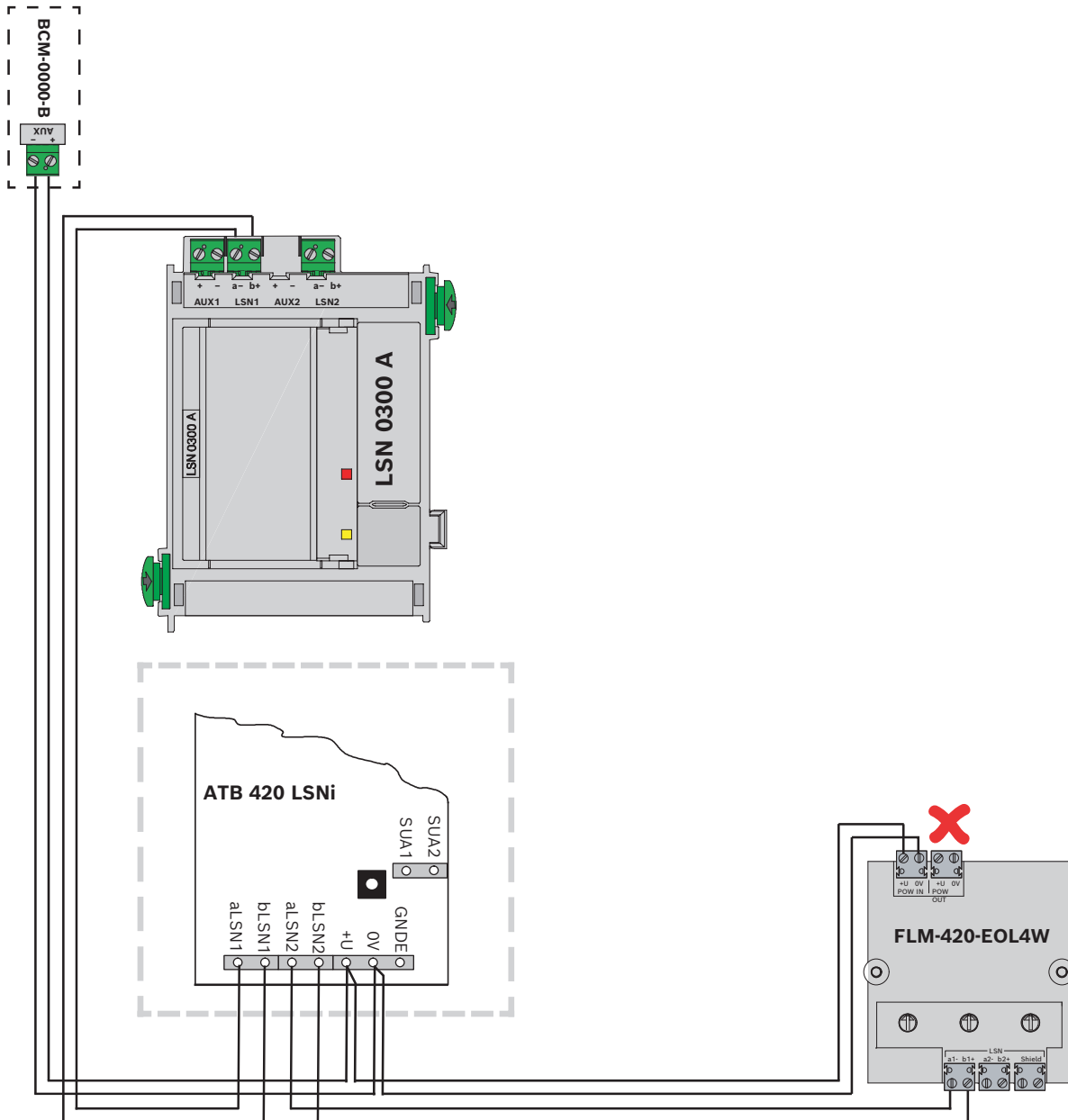


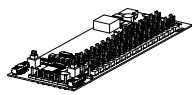


ATB 420 LSNi

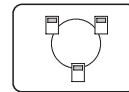


ELS

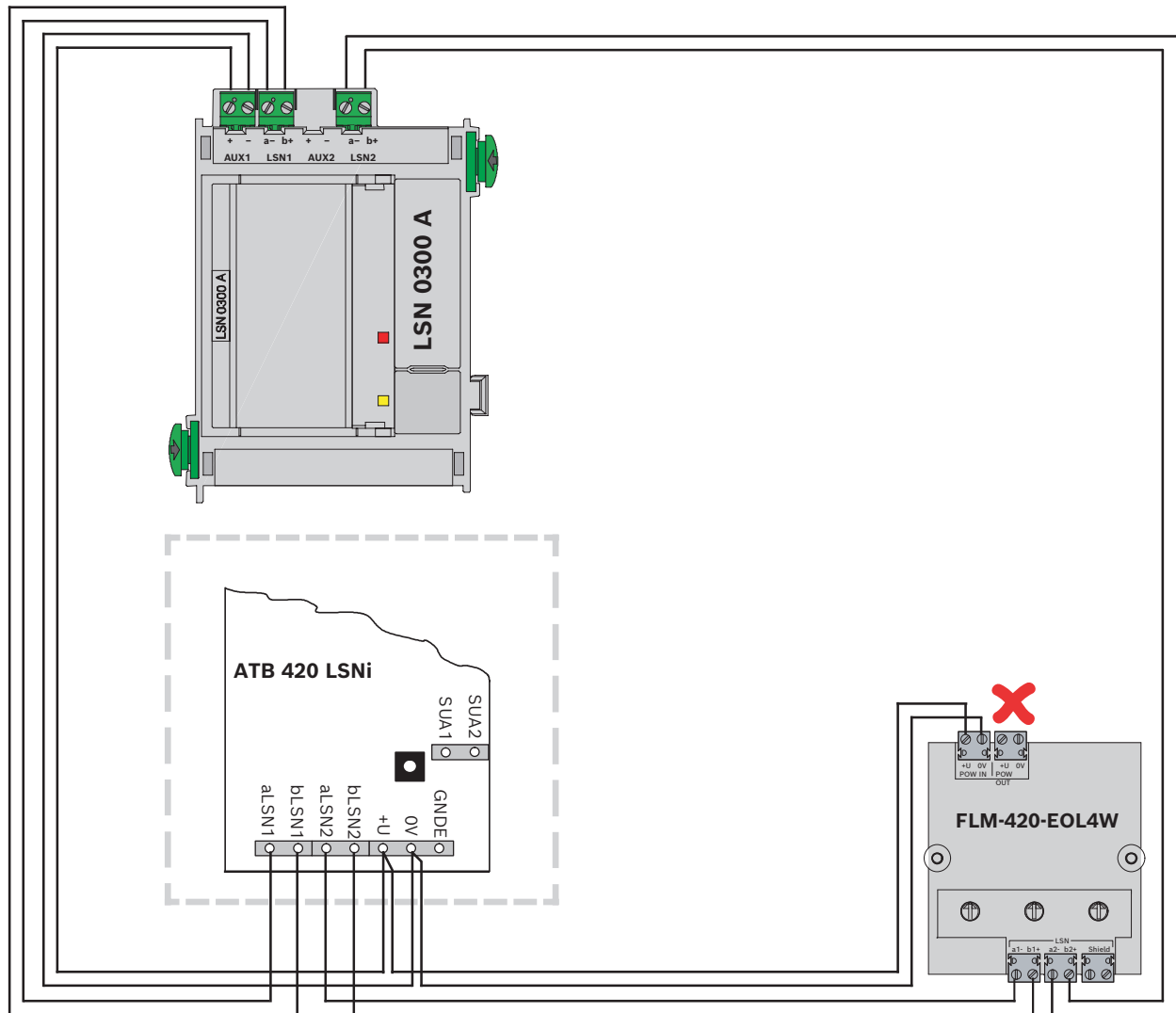


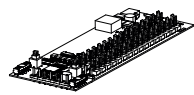


ATB 420 LSNi

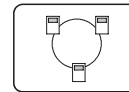


ELS

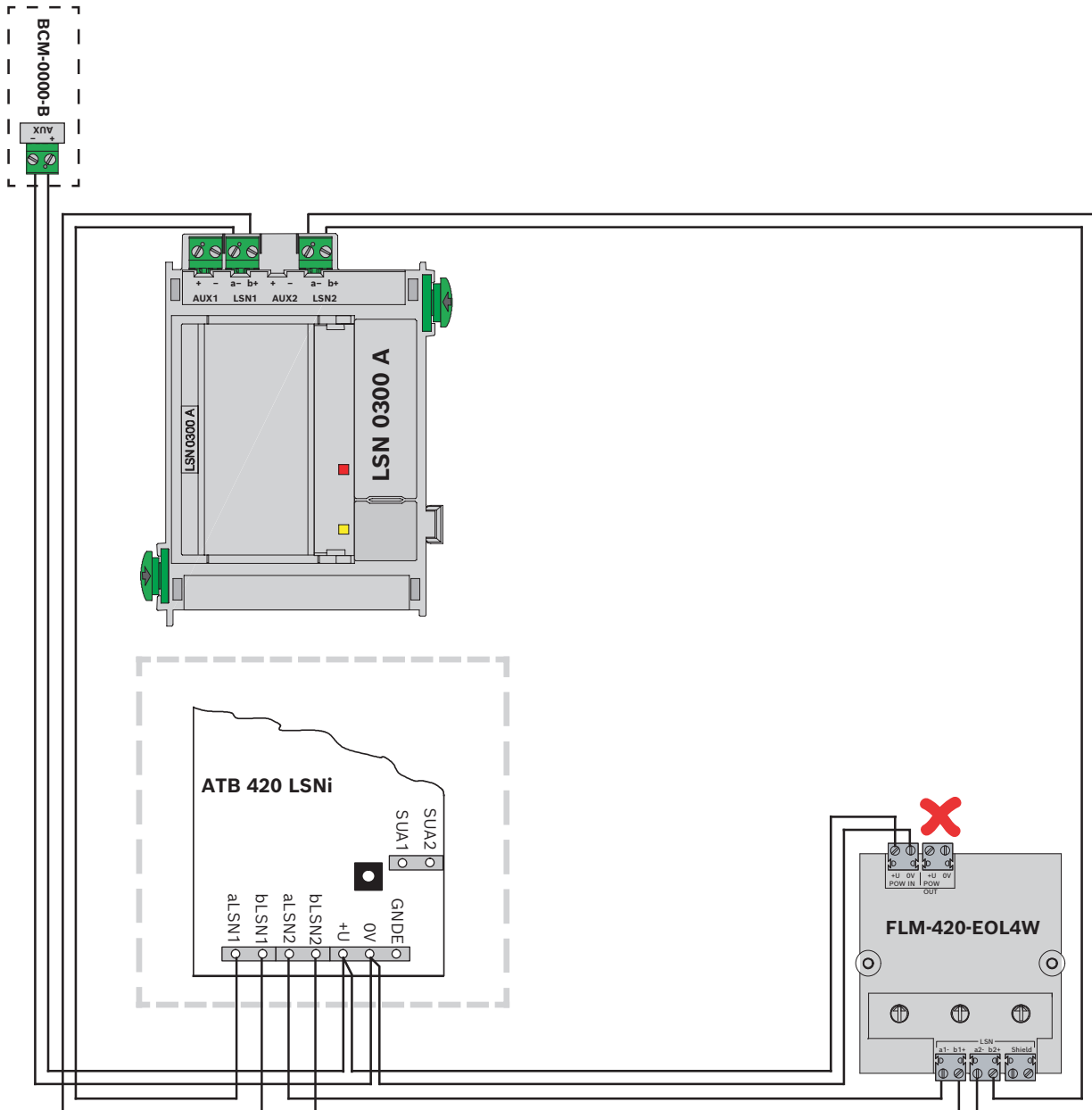




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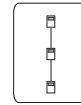


ELS

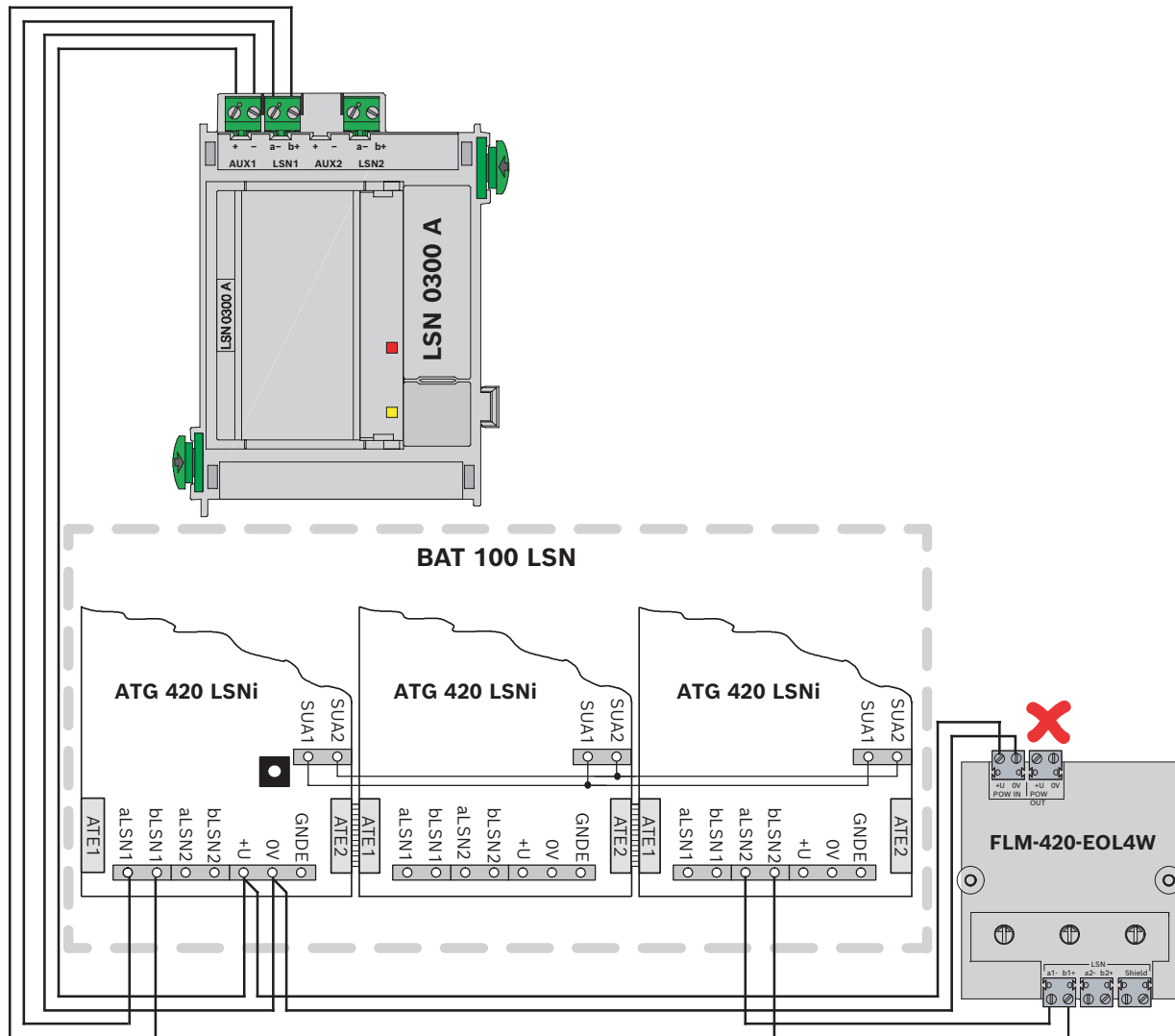




**BAT 100 LSN
ATG 420 LSNi**

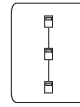


ELS

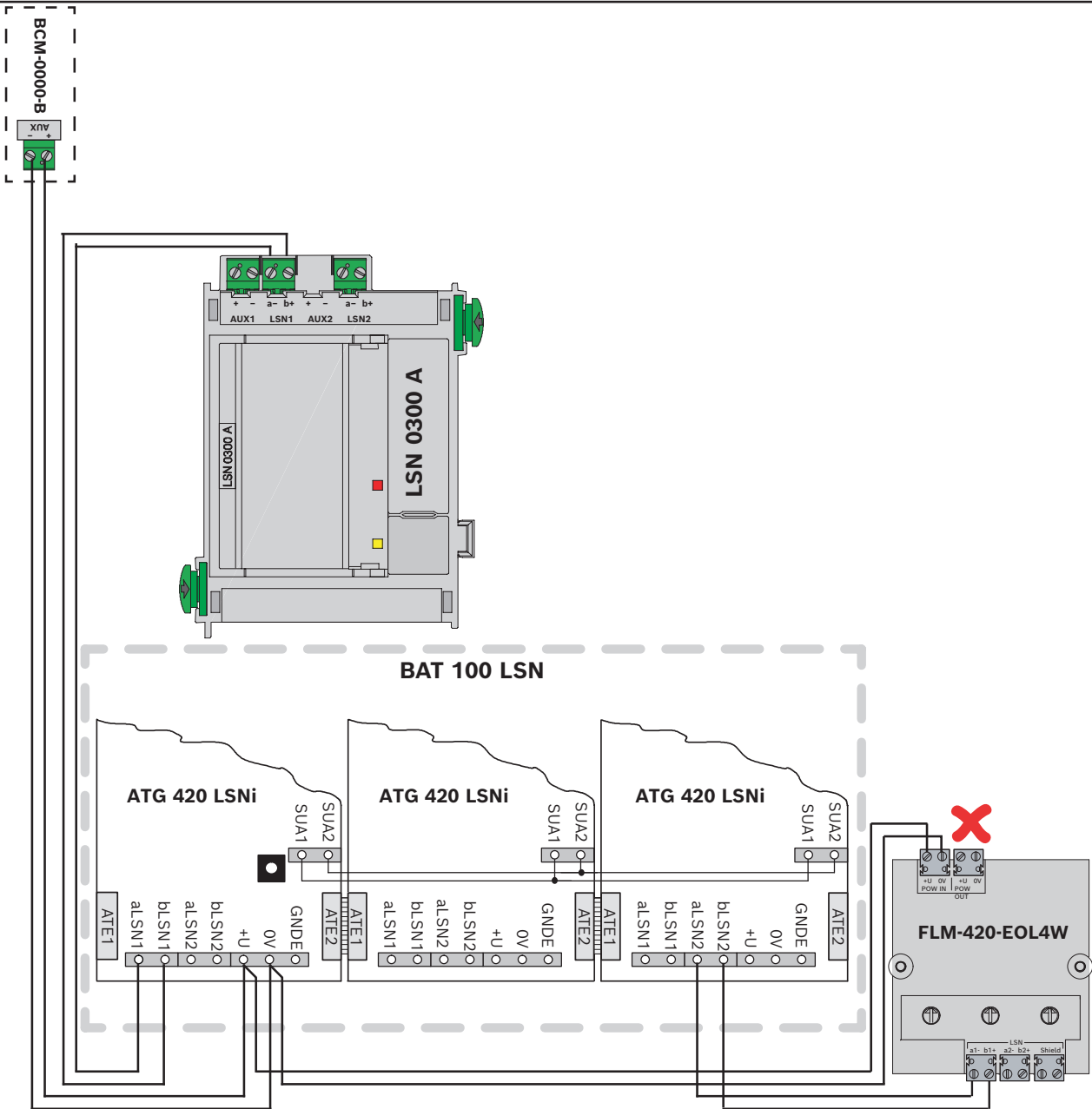




BAT 100 LSN
ATG 420 LSNi

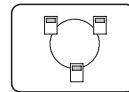


ELS

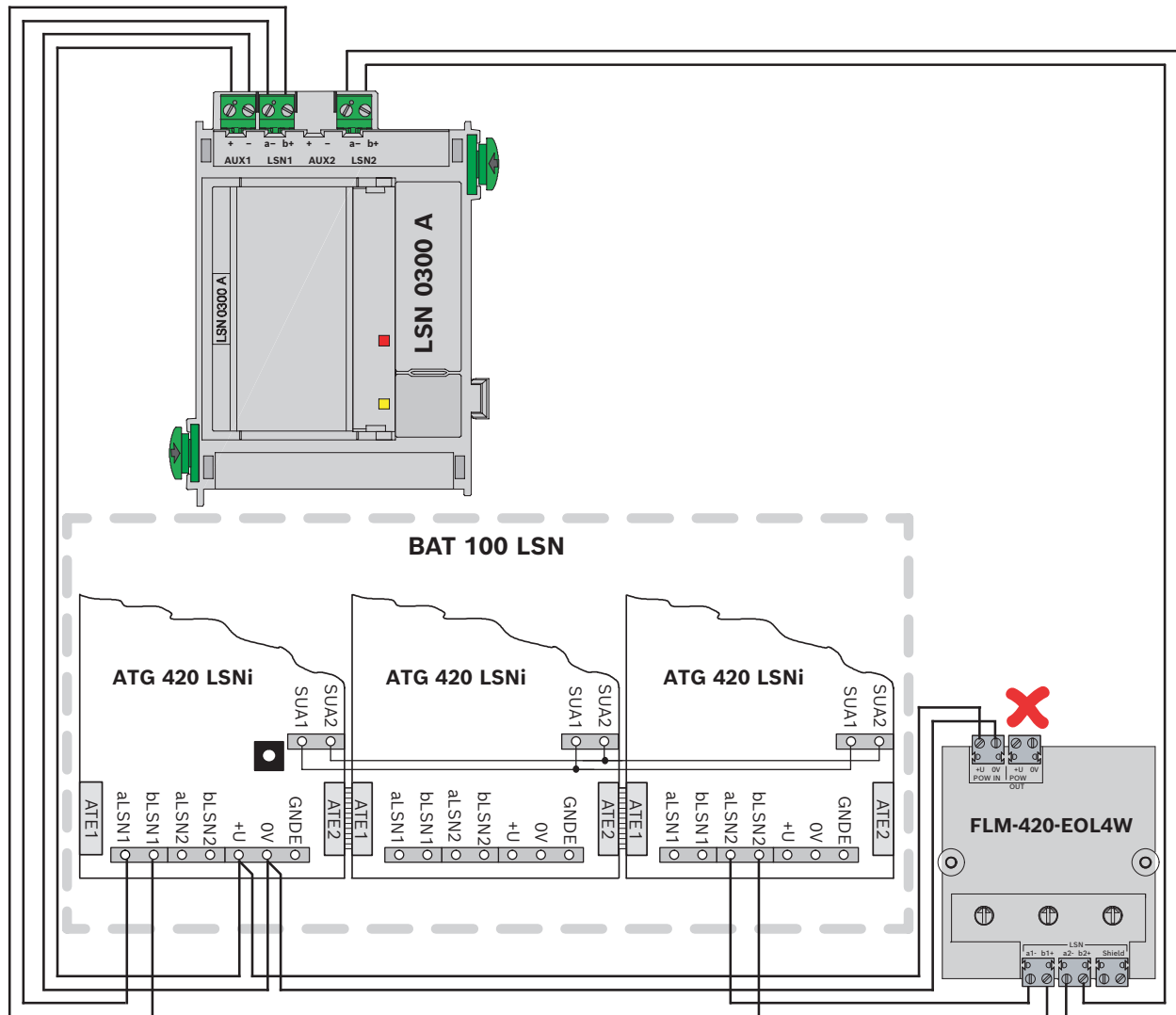




**BAT 100 LSN
ATG 420 LSNi**

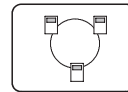


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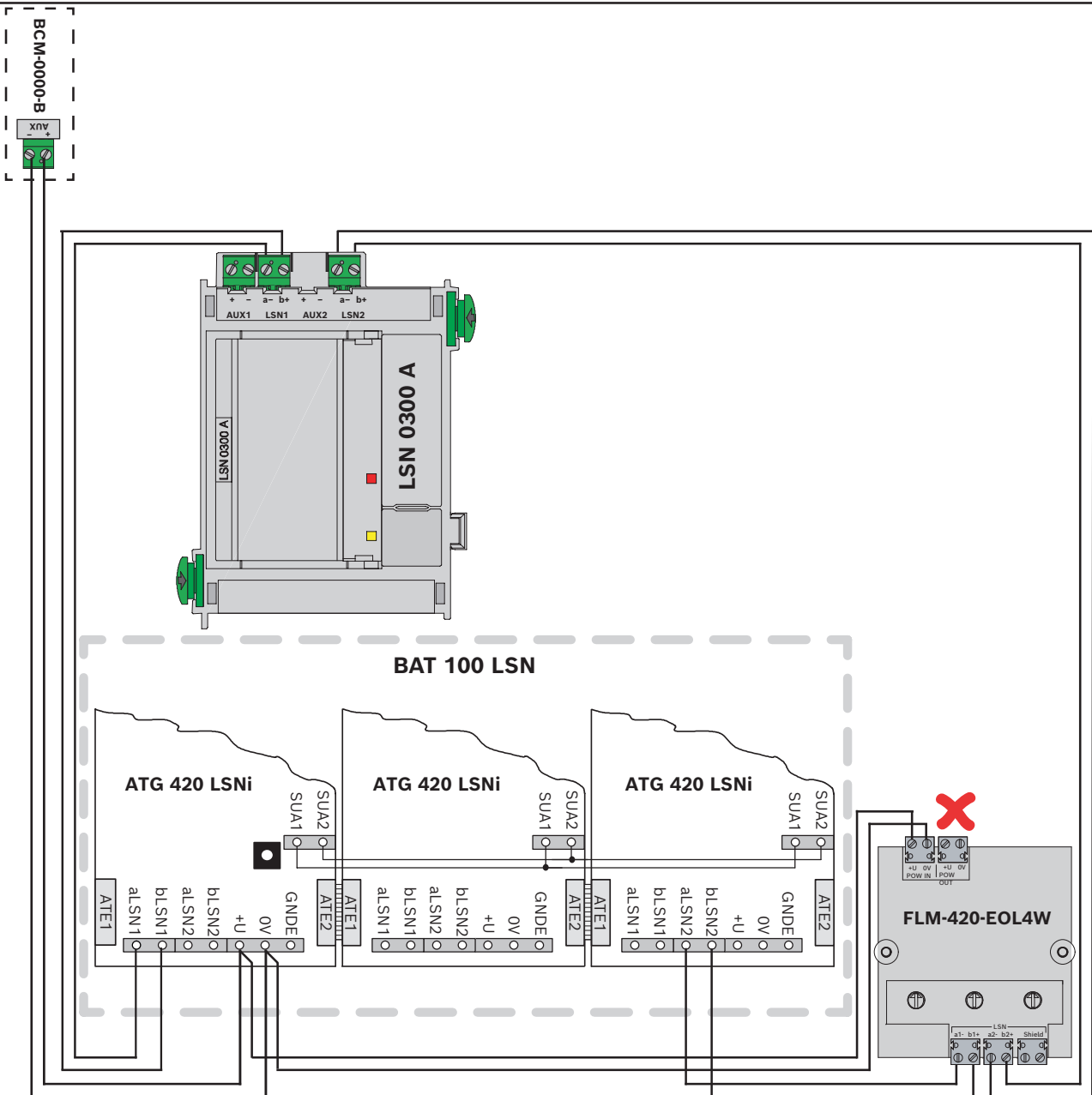




BAT 100 LSN
ATG 420 LSNi



ELS

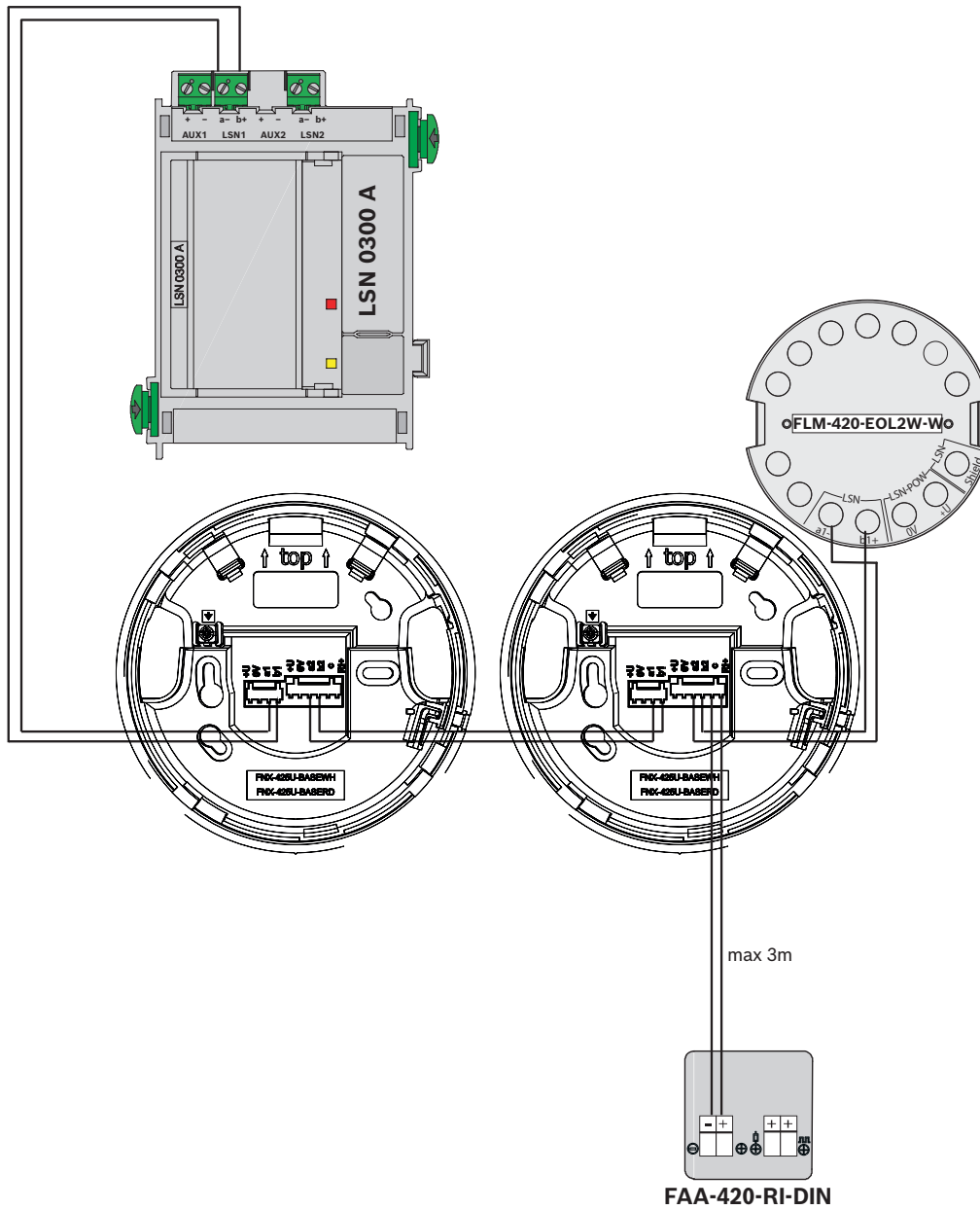




FNX-425U-WFWH
 FNX-425U-RFWH
 FNX-425U-WFRD
 FNX-425U-RFRD



ELS



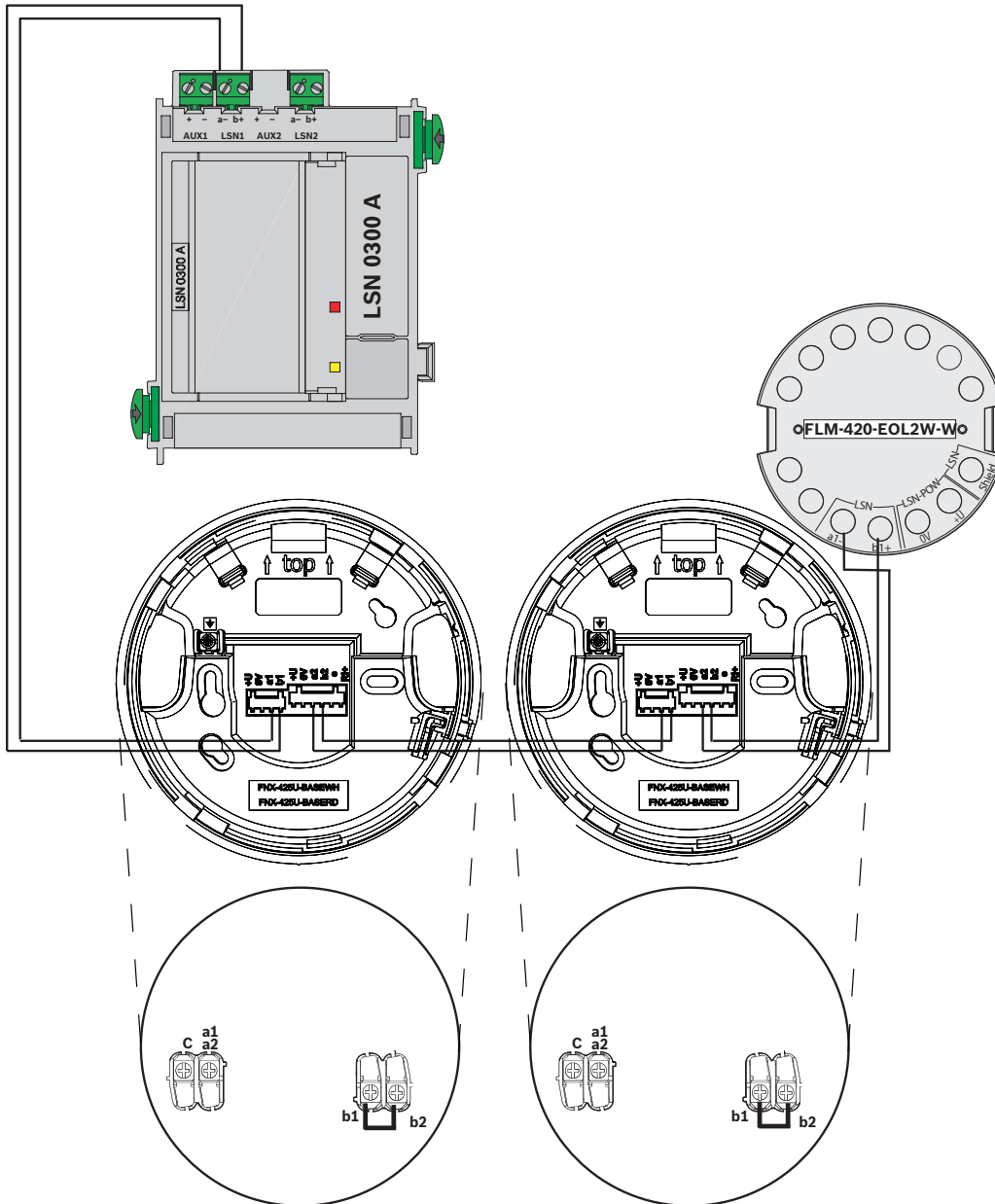


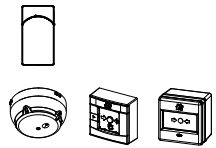
FNX-425U-WFWH
 FNX-425U-RFWH
 FNX-425U-WFRD
 FNX-425U-RFRD

+ FNX-425U-COVWH
 FNX-425U-COVRD



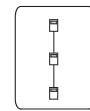
ELS



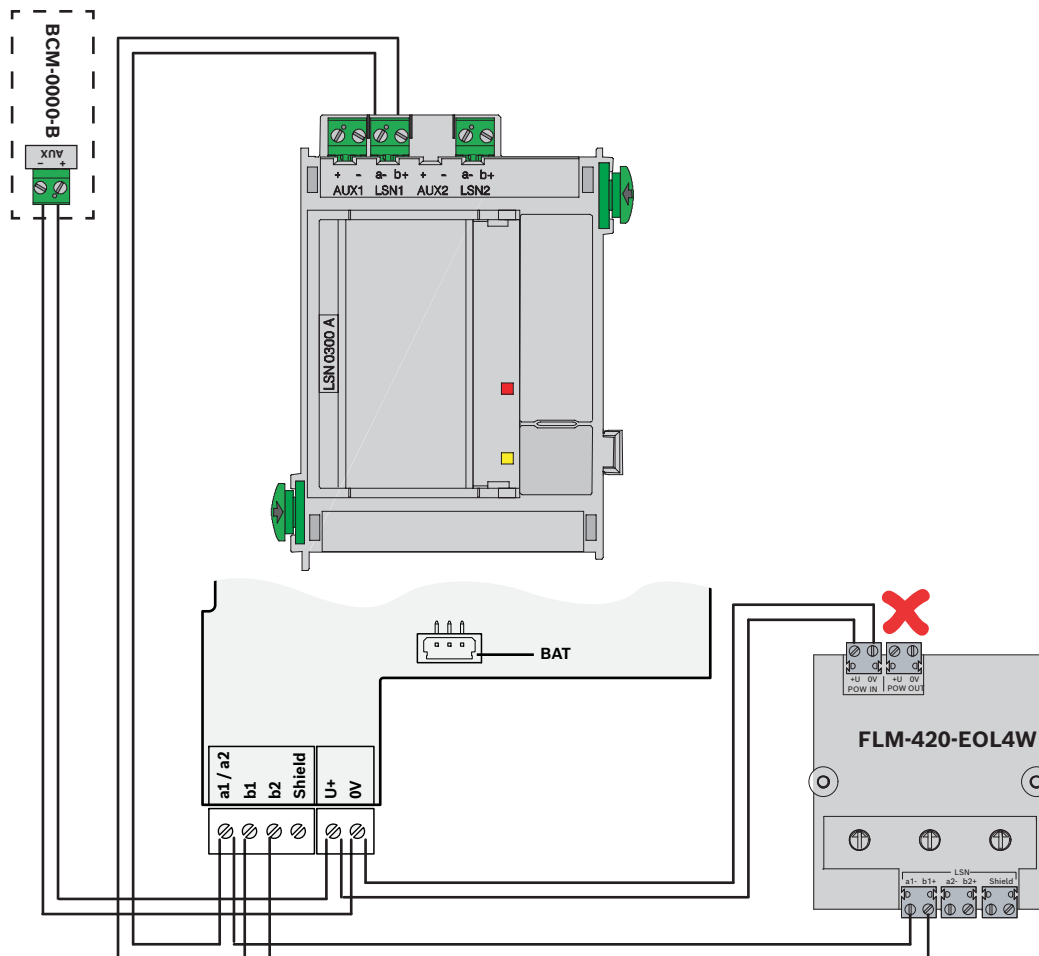


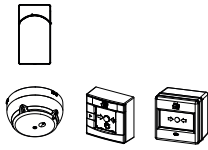
FWI-270

FDOOT271-O
FDM275-O
FDM273-O



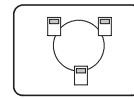
ELS



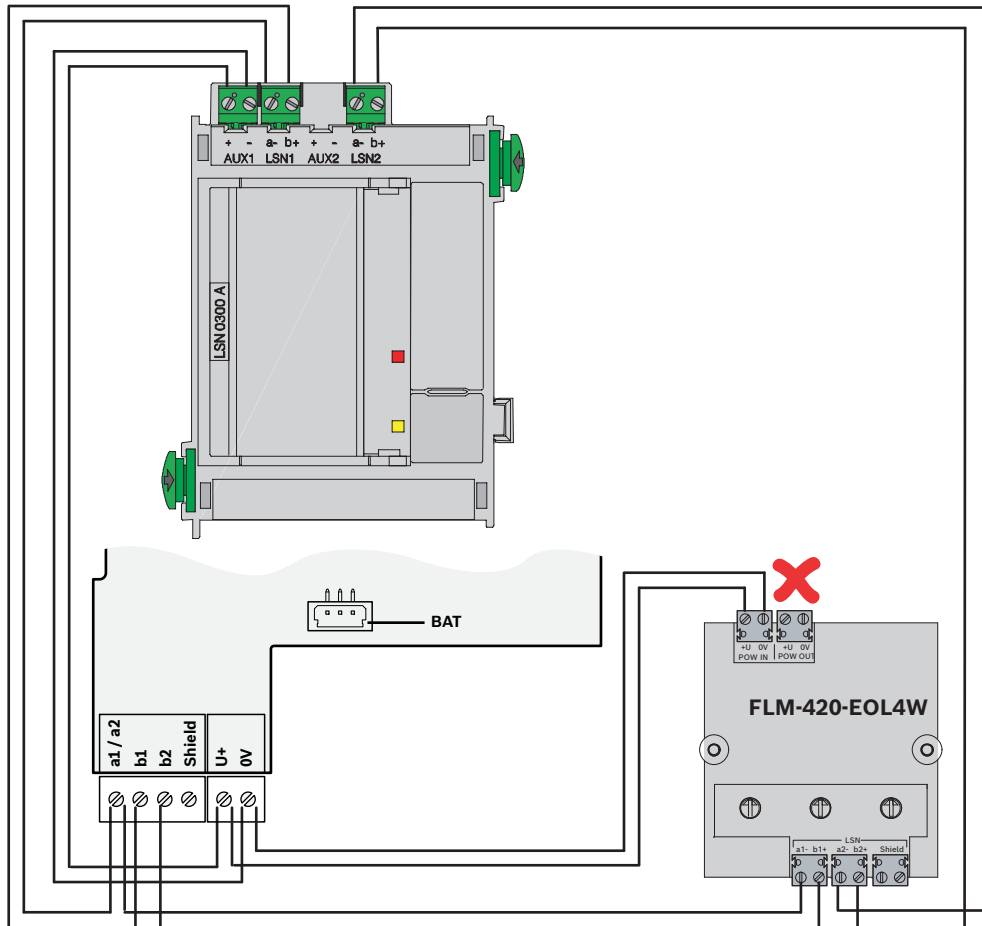


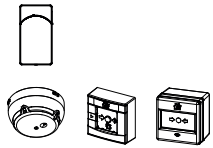
FWI-270

FDOOT271-O
FDM275-O
FDM273-O



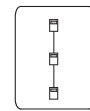
ELS



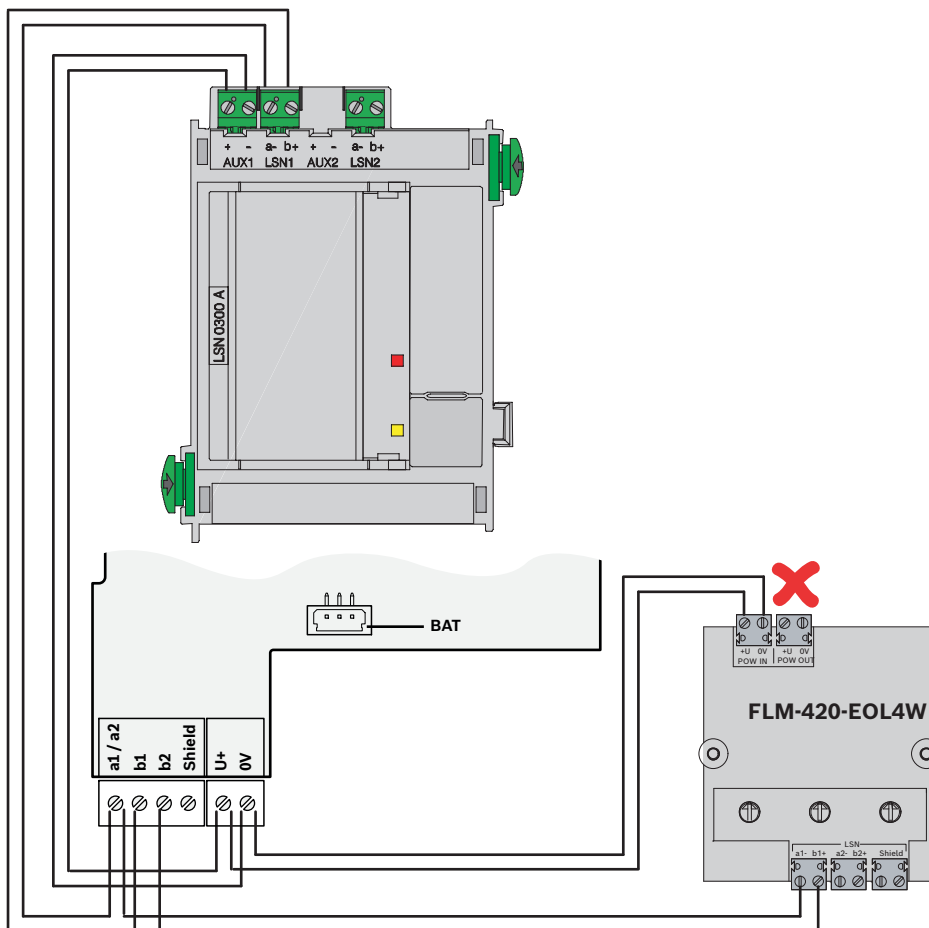


FWI-270

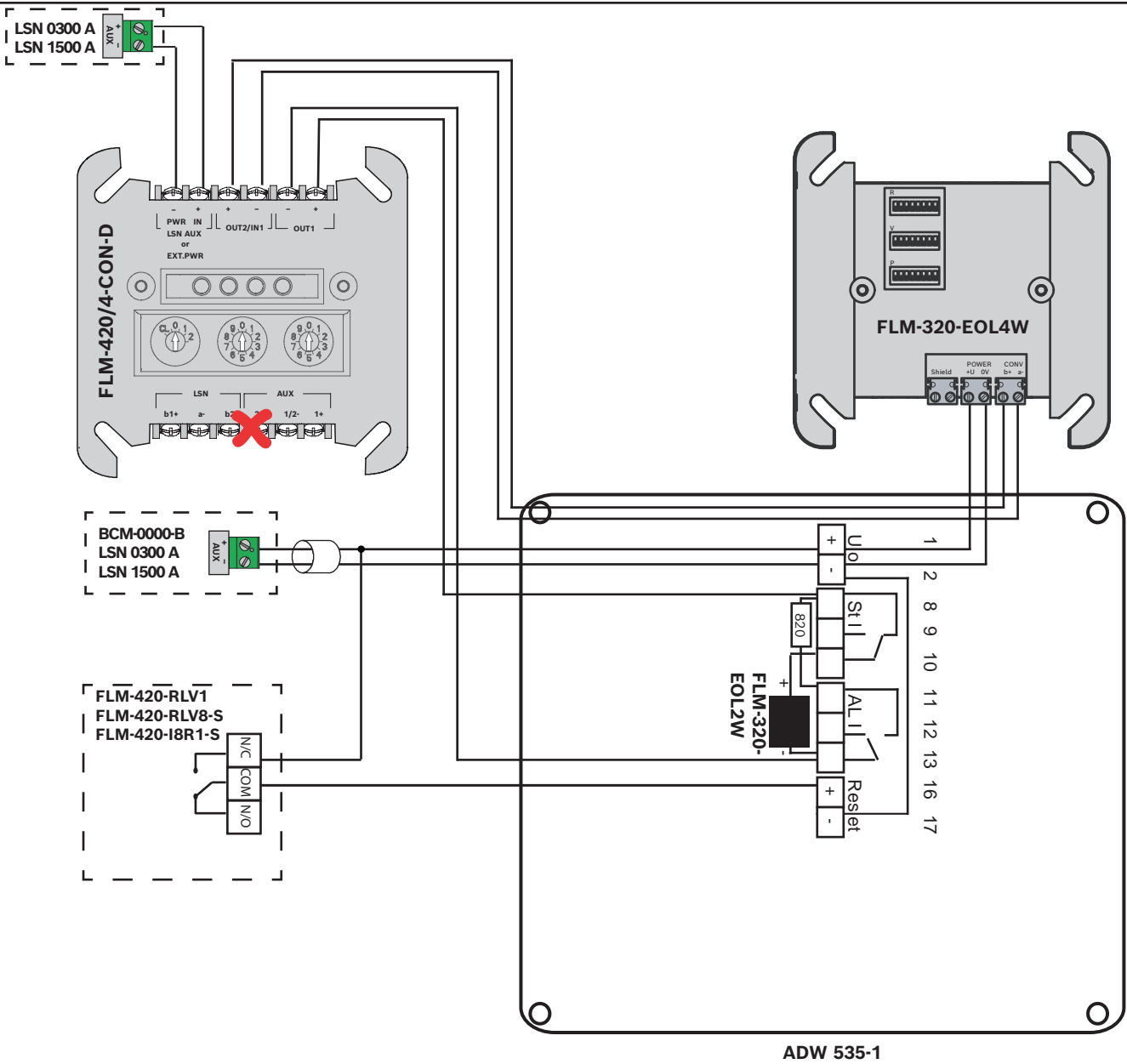
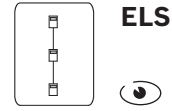
FDOOT271-O
FDM275-O
FDM273-O

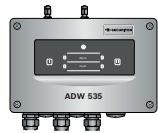


ELS

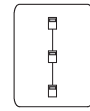


2.6.3 FLM-420/4-CON-S/D

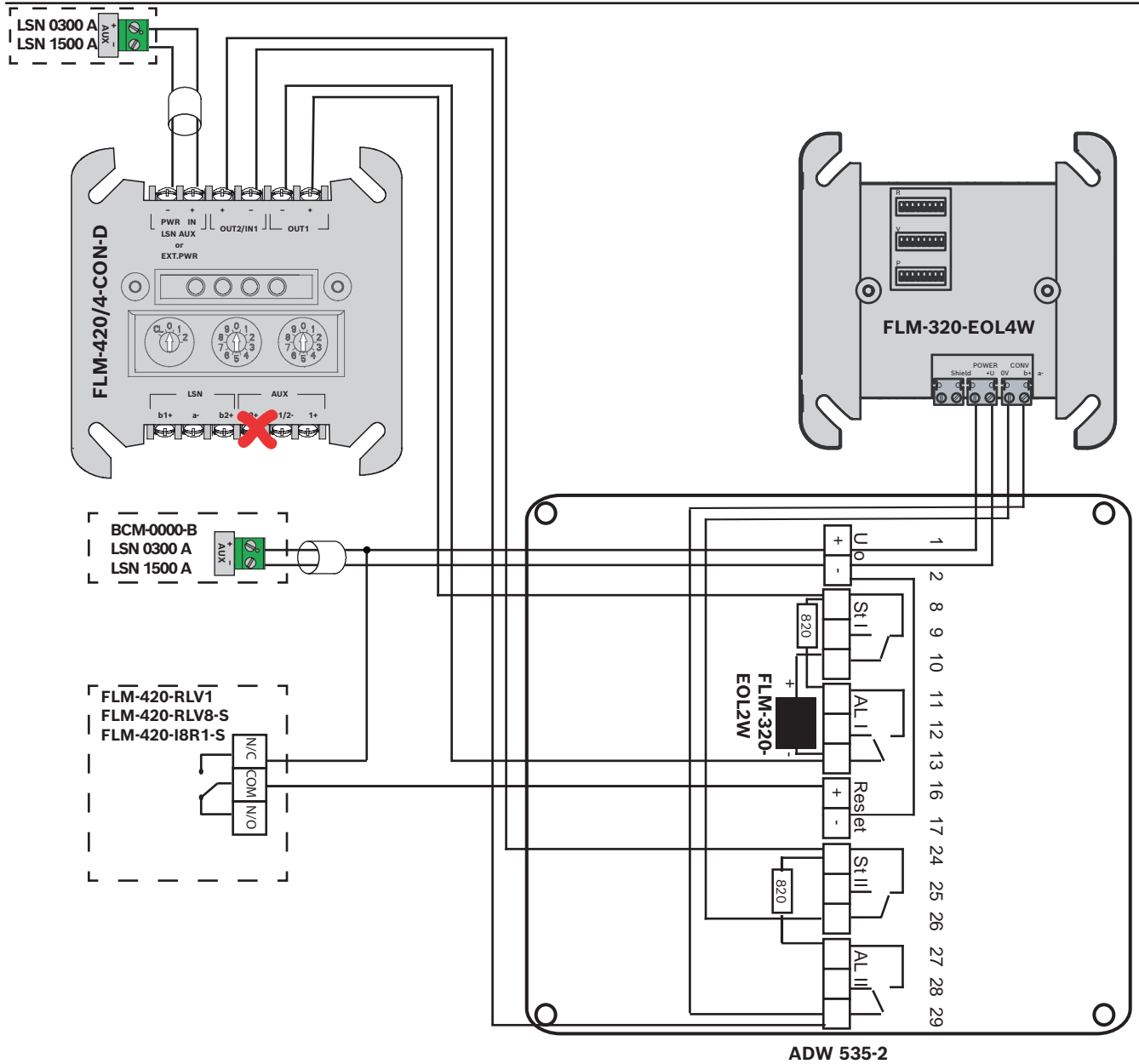


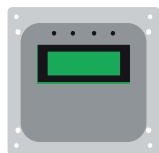


ADW 535-2



ELS

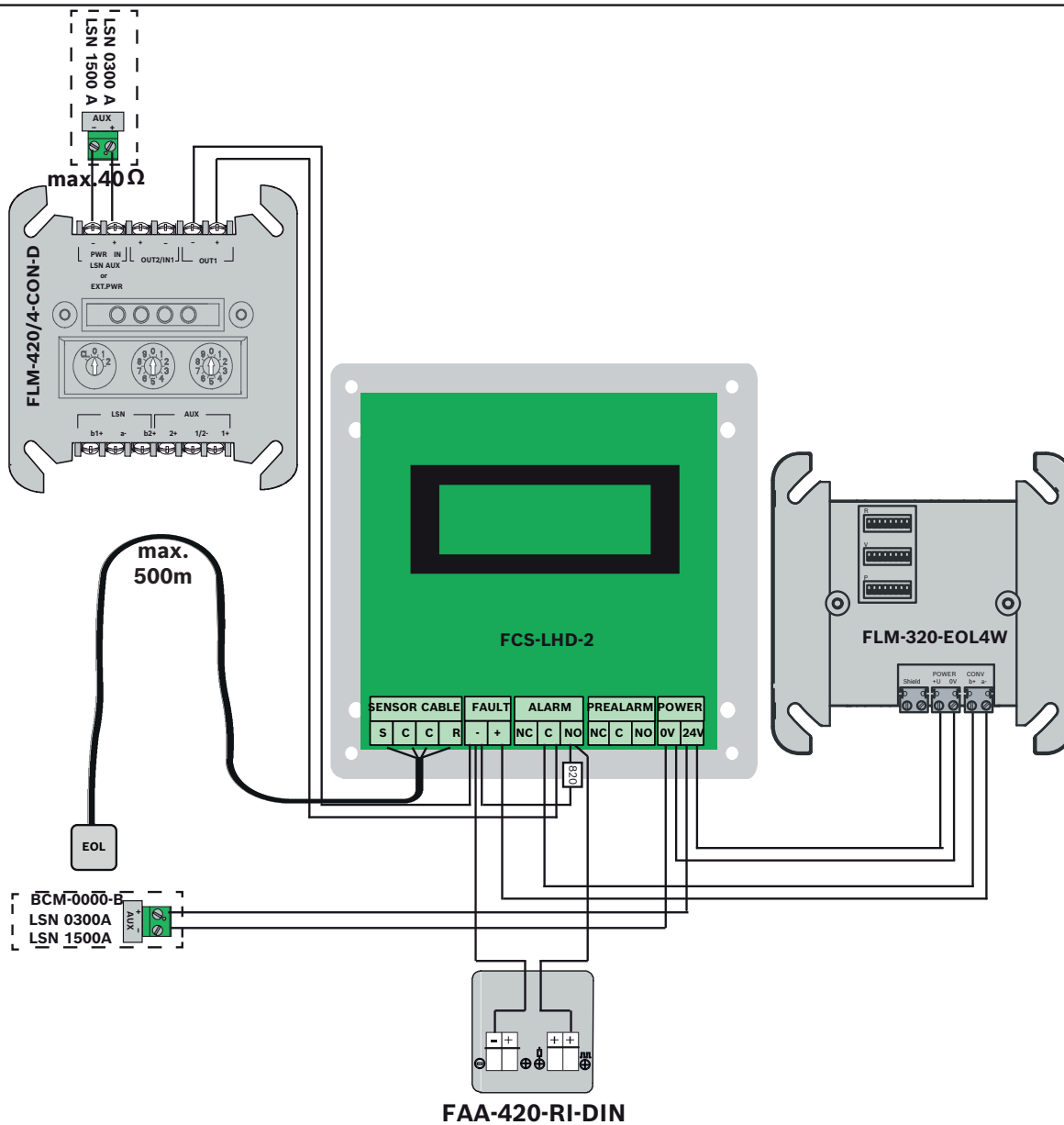




ALARMLINE II

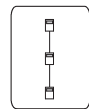


ELS

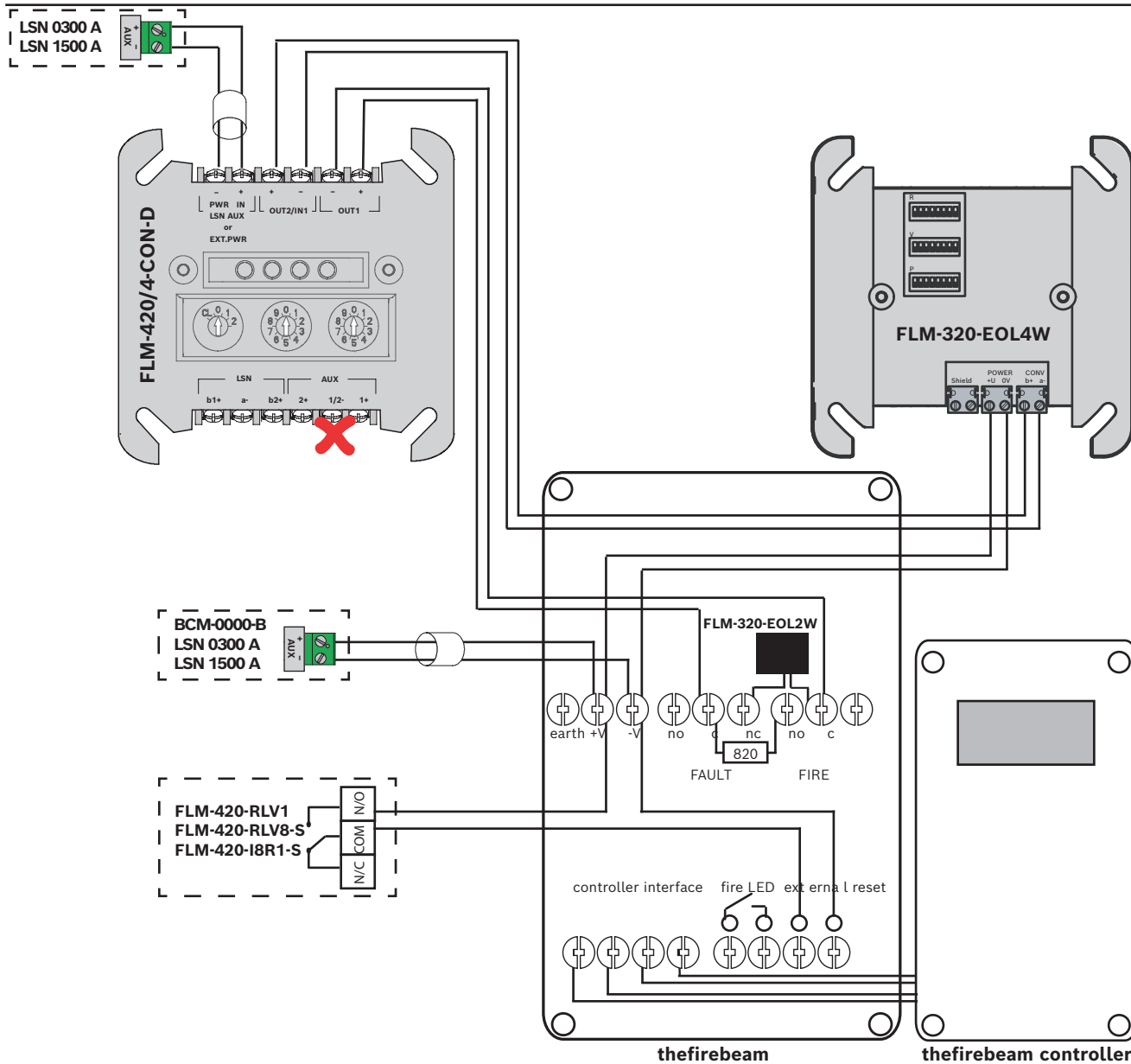


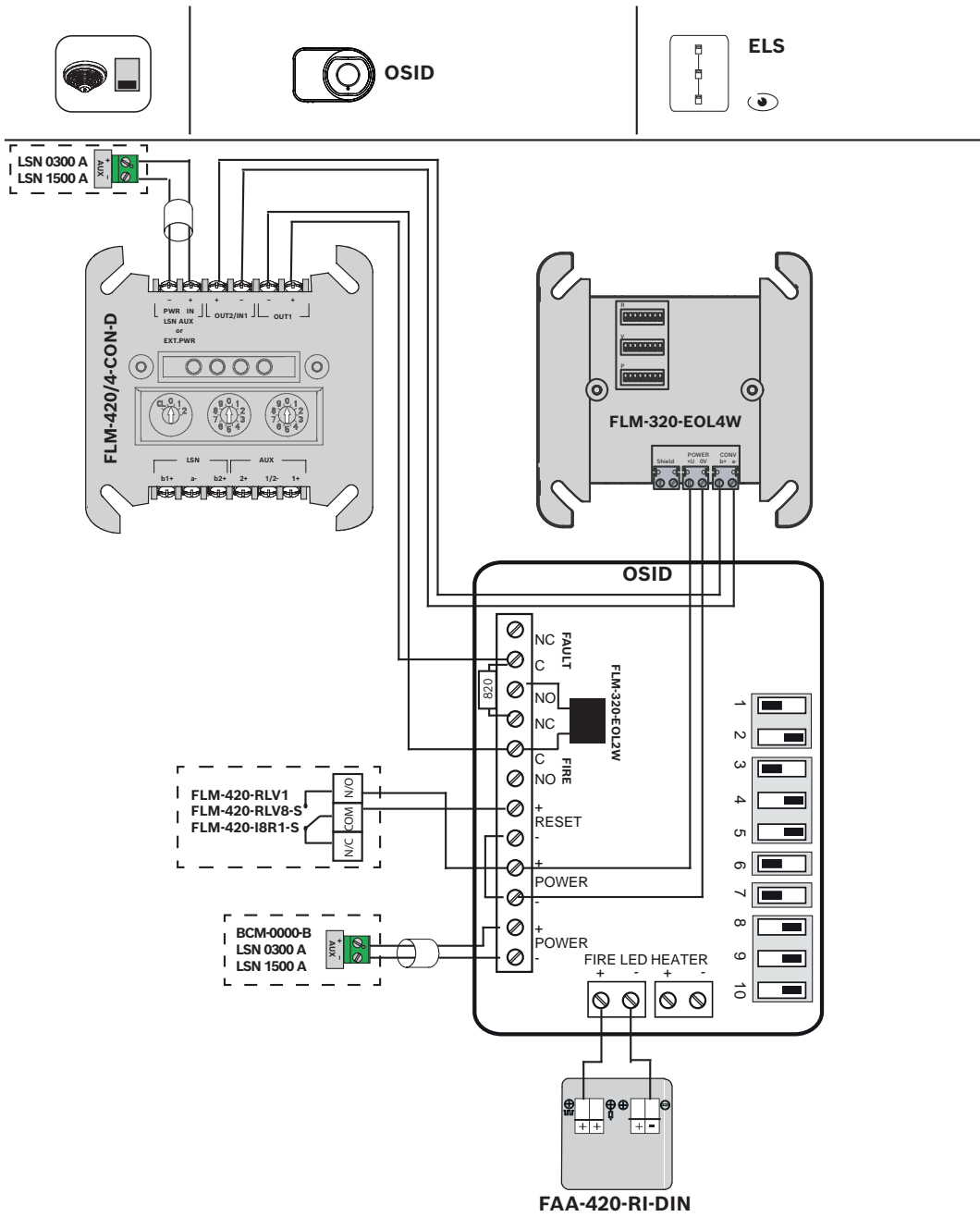


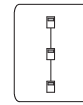
thefirebeam nano
thefirebeam standard
thefirebeam foveo



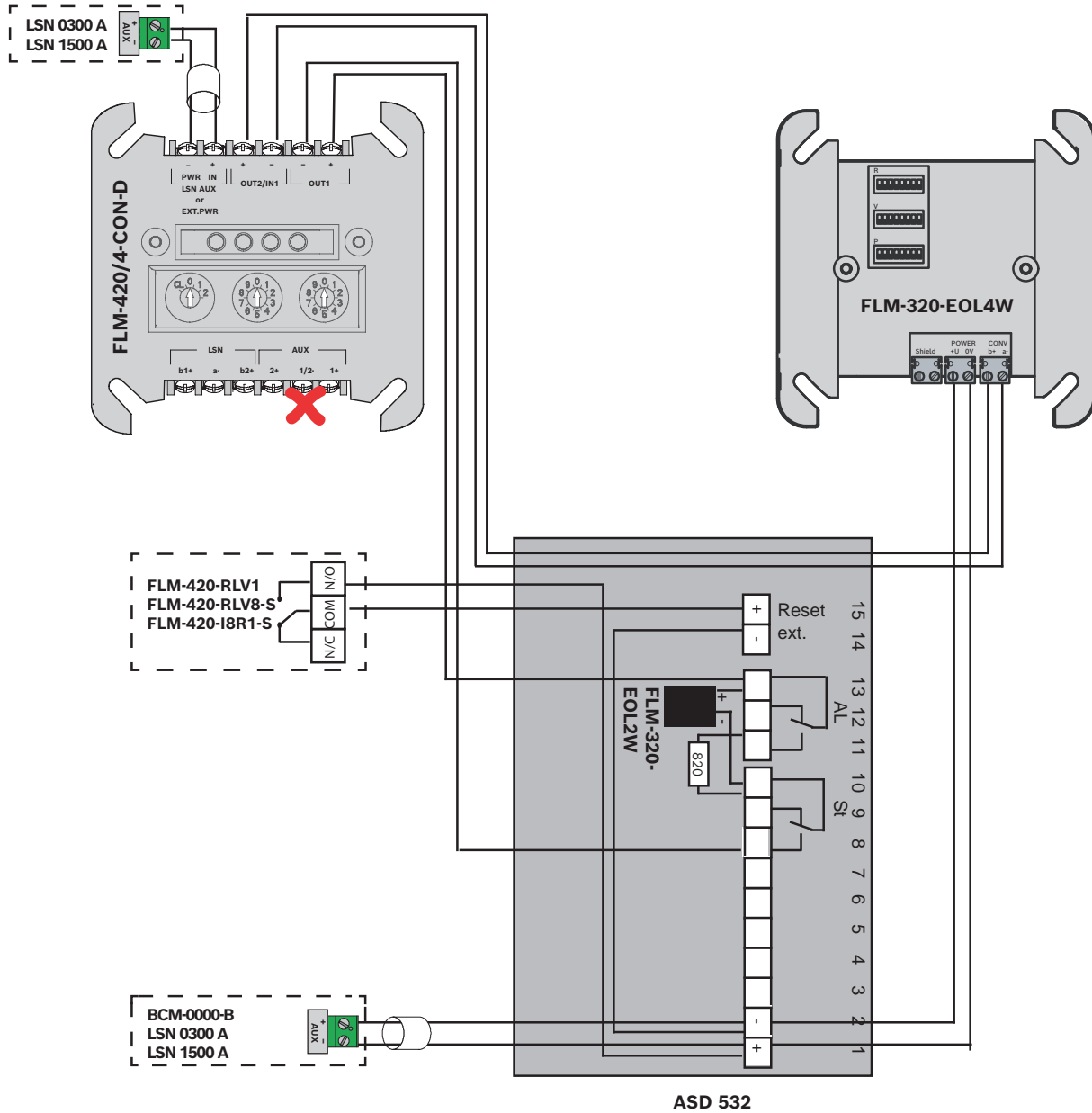
ELS

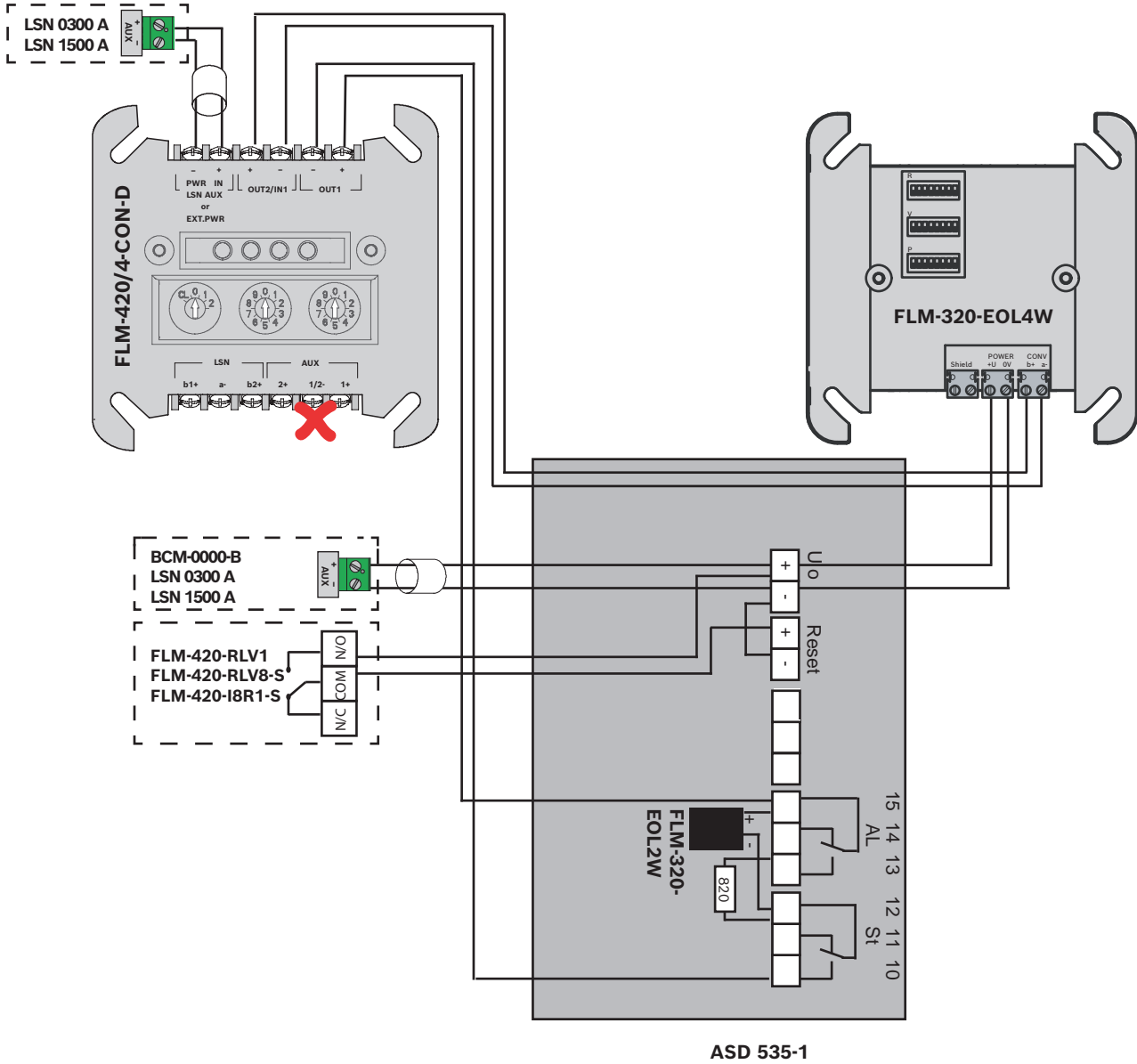
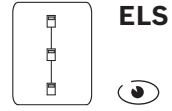


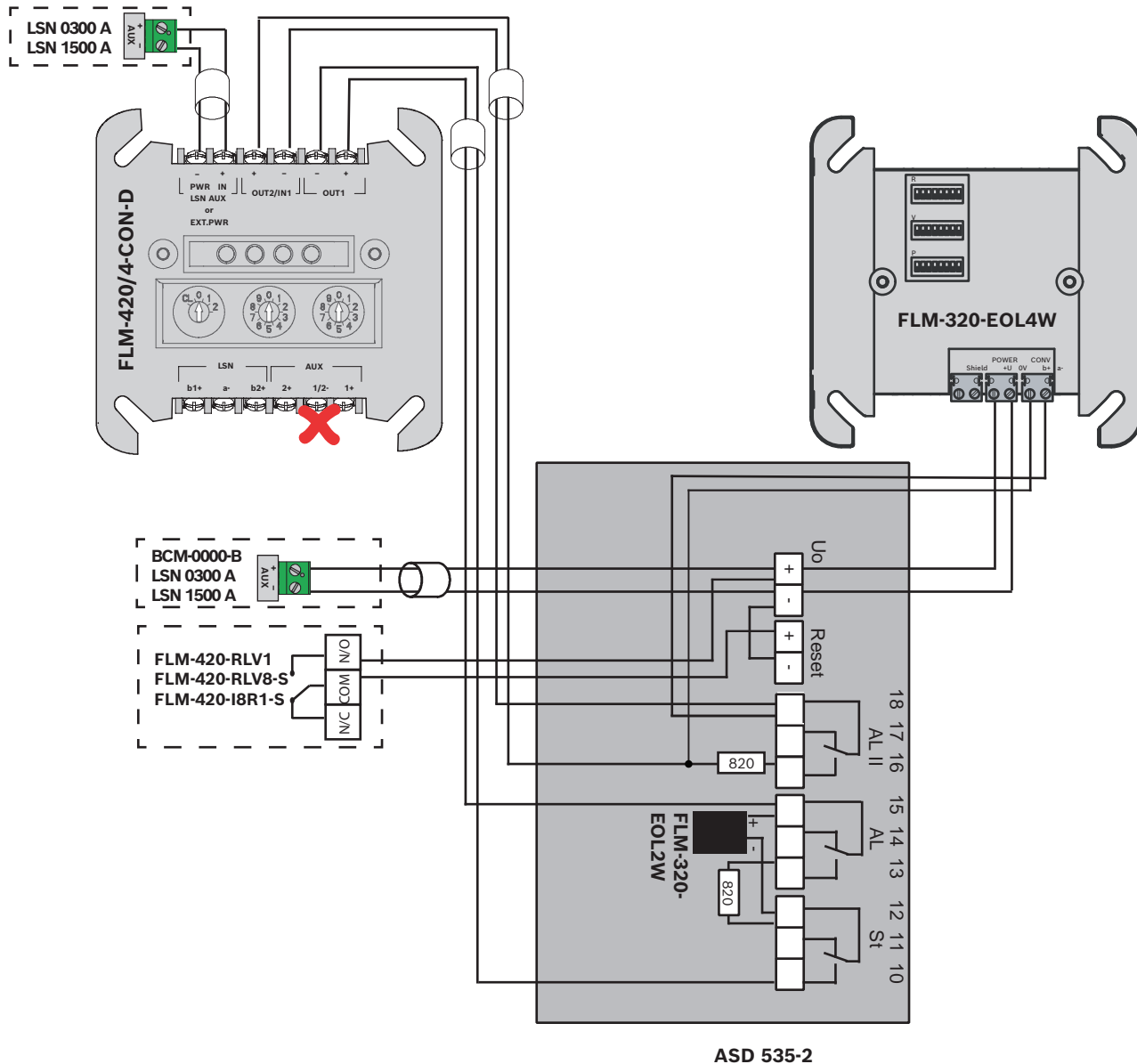
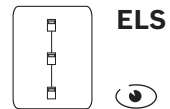


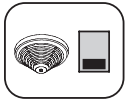


ELS

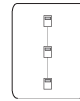






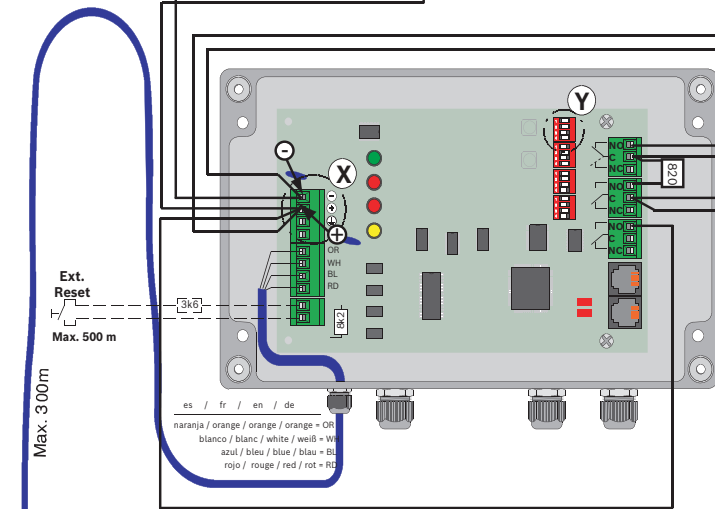
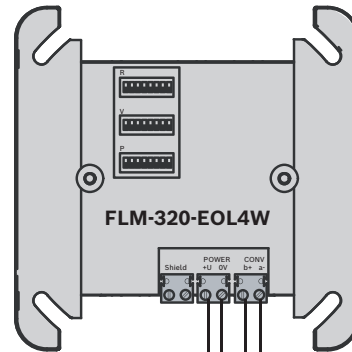
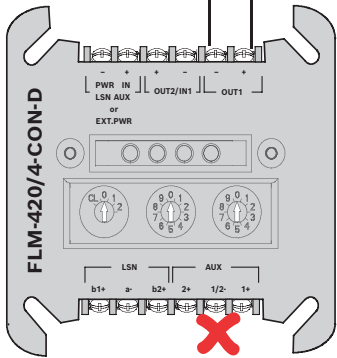


FCS-LWM-1



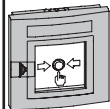
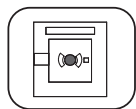
ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A

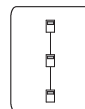


es / fr / en / de
naranja / orange / orange / orange = OR
blanco / blanc / white / weiß = WH
azul / bleu / blue / blau = BL
rojo / rouge / red / rot = RE

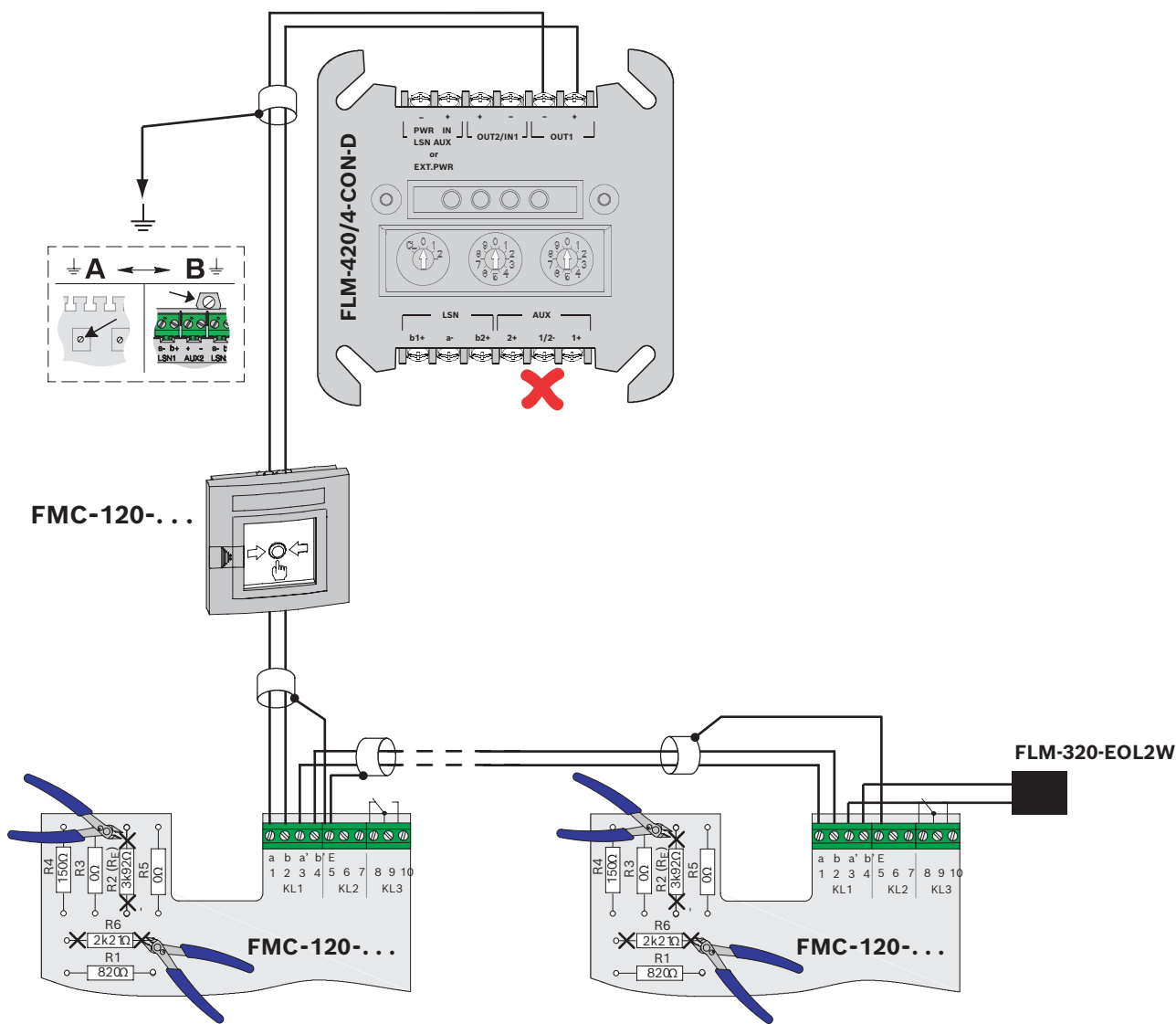




FMC-120-DKM-G-R FMC-120-DKM-G-Y
 FMC-120-DKM-H-R FMC-120-EST-G-B
 FMC-120-DKM-G-B
 FMC-120-DKM-H-B

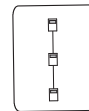


ELS

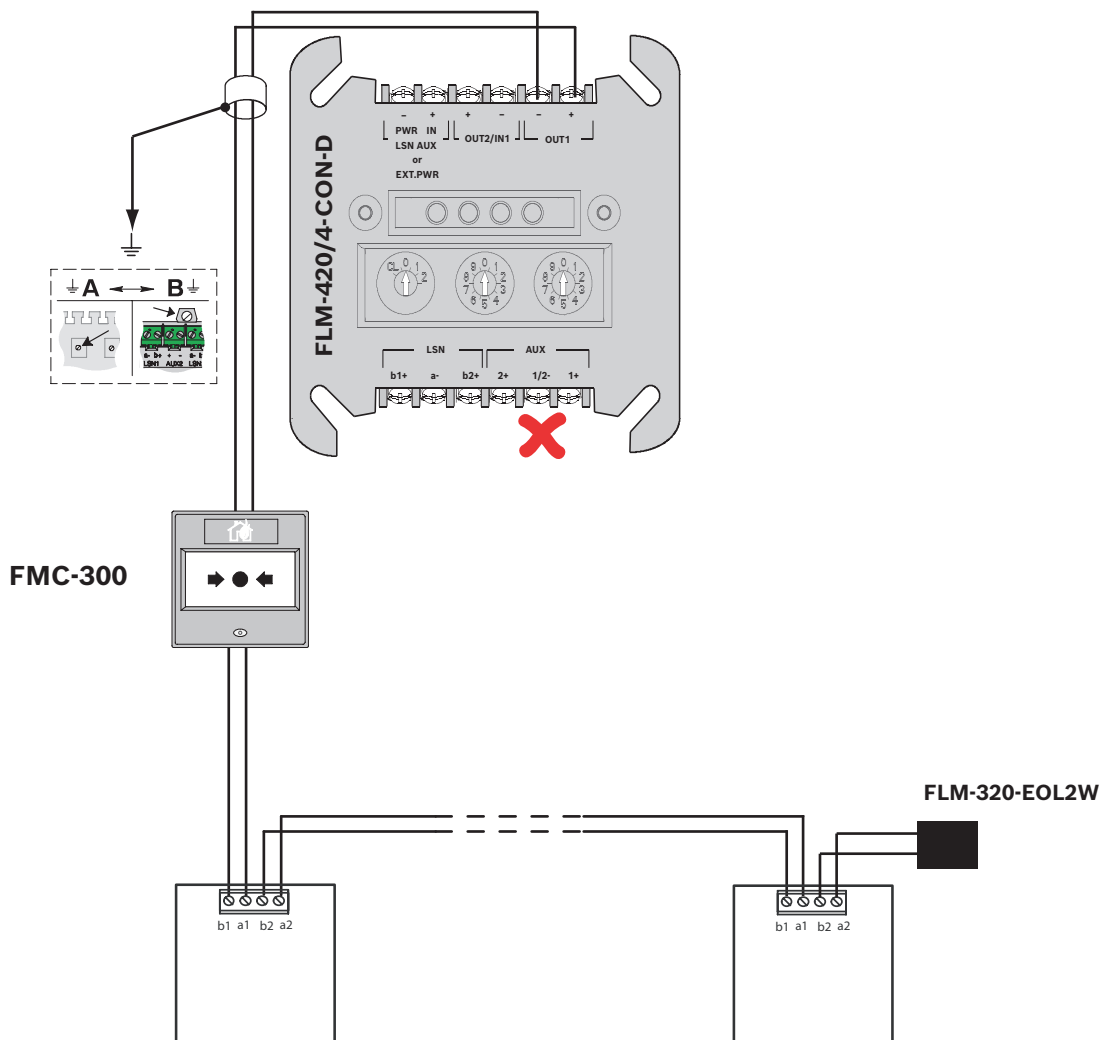


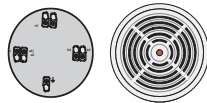


FMC-300



ELS

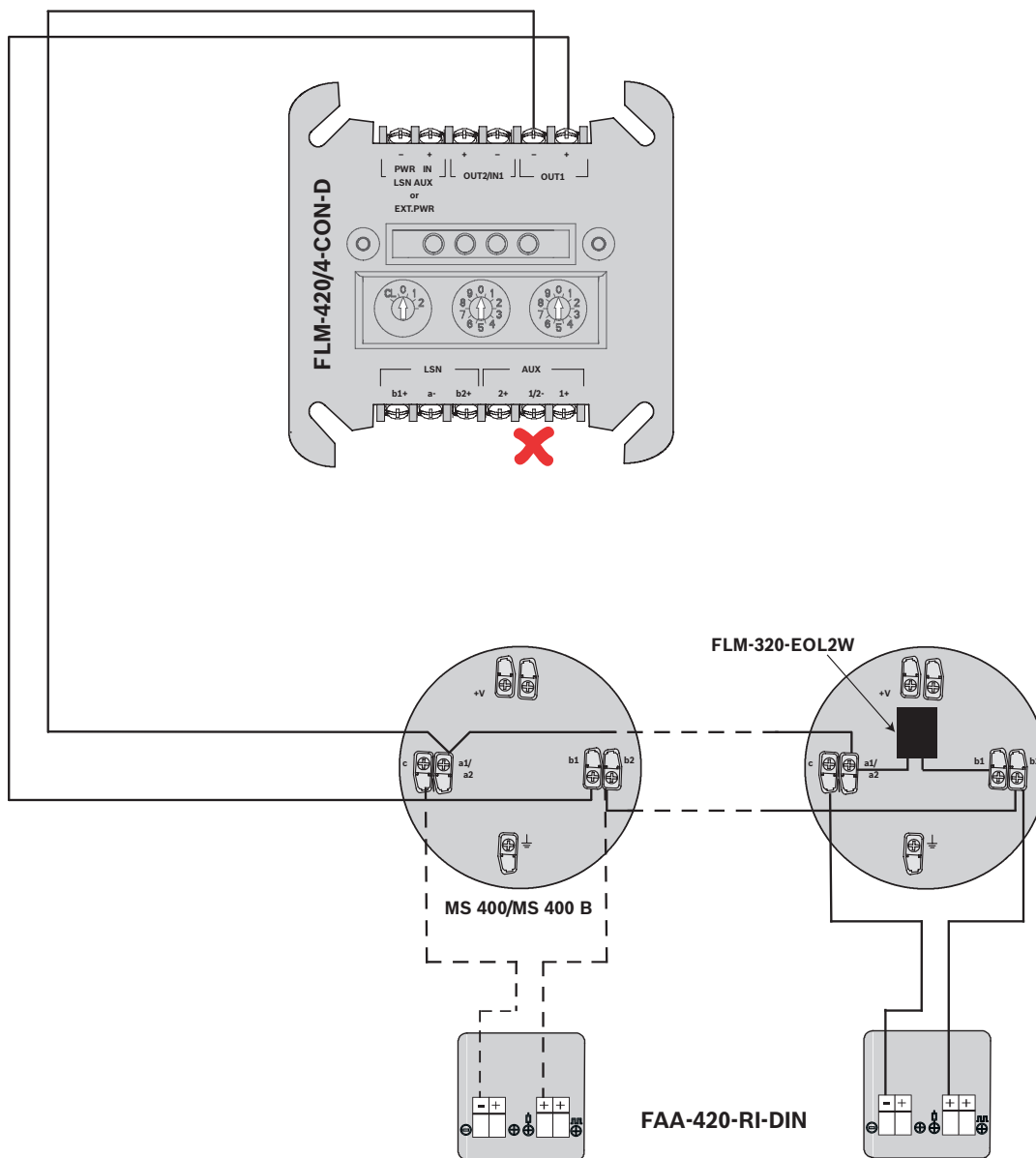




MSS 400, MSS 400 B
 FCH-320-T320
 FCH-T320-R470, FCH-T320-FSA
 FCP-O320, FCP-O320-R470
 FCP-OC320, FCP-OC320-R470
 FCP-OT320, FCP-OT320-R470



ELS

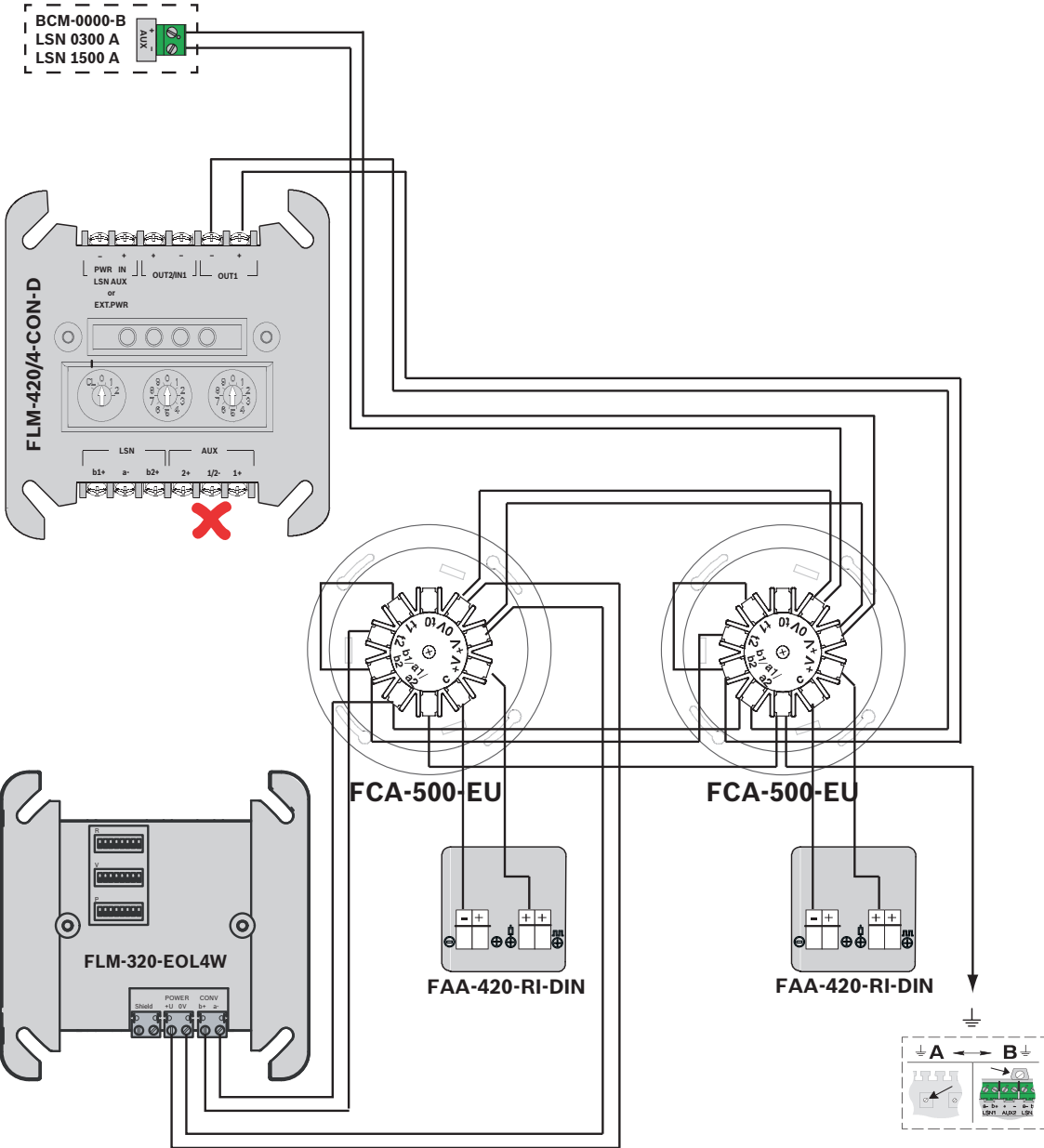


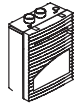


FCP-500

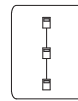


ELS

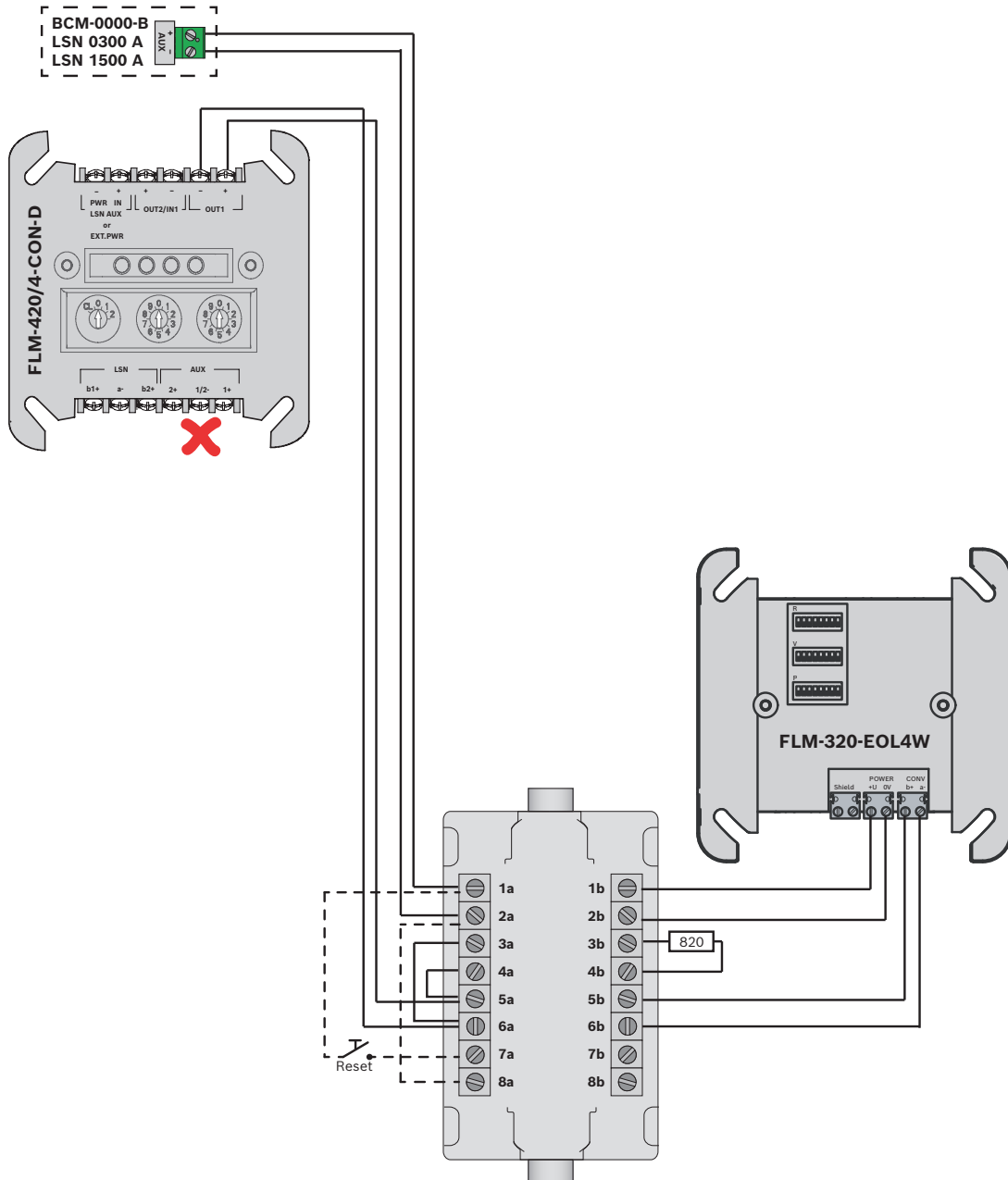


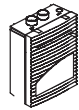


FCS-320-TM Series

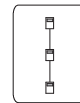


ELS



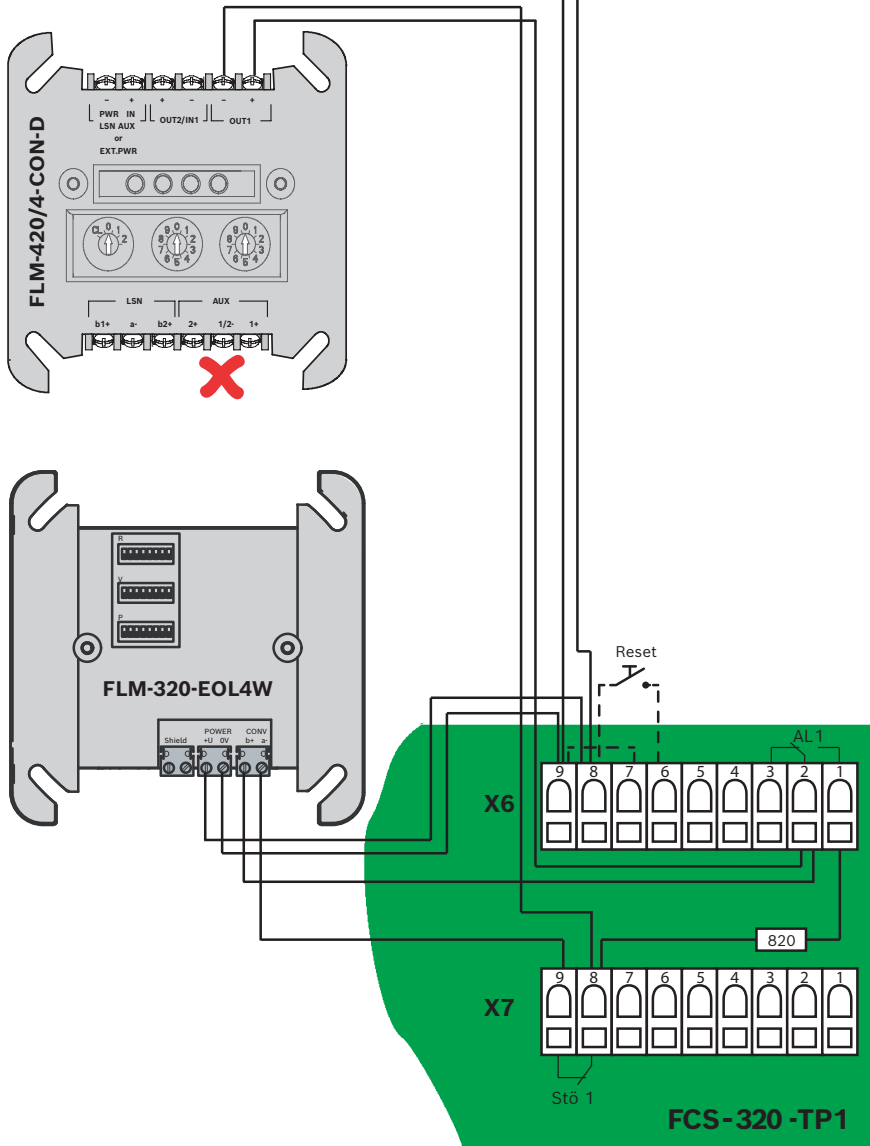


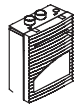
FCS-320-TP Series



ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A



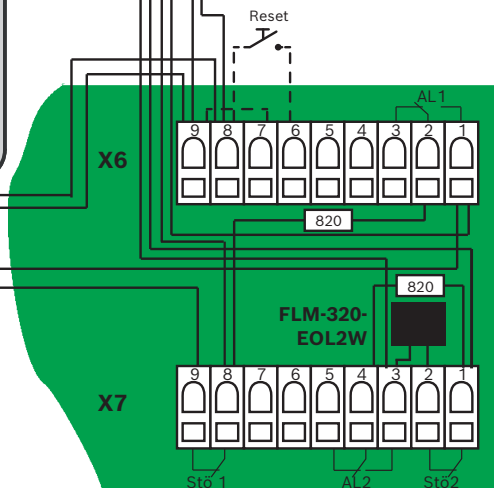
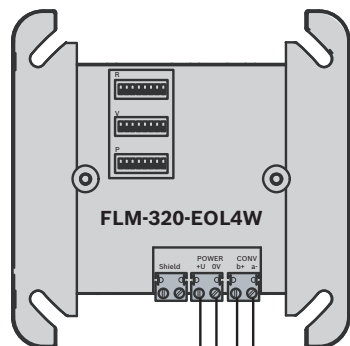
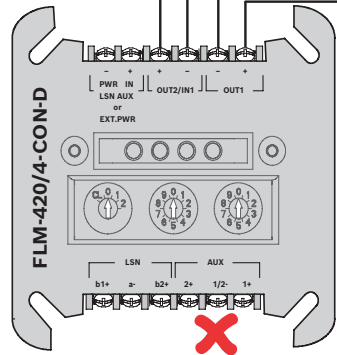


FCS-320-TP Series

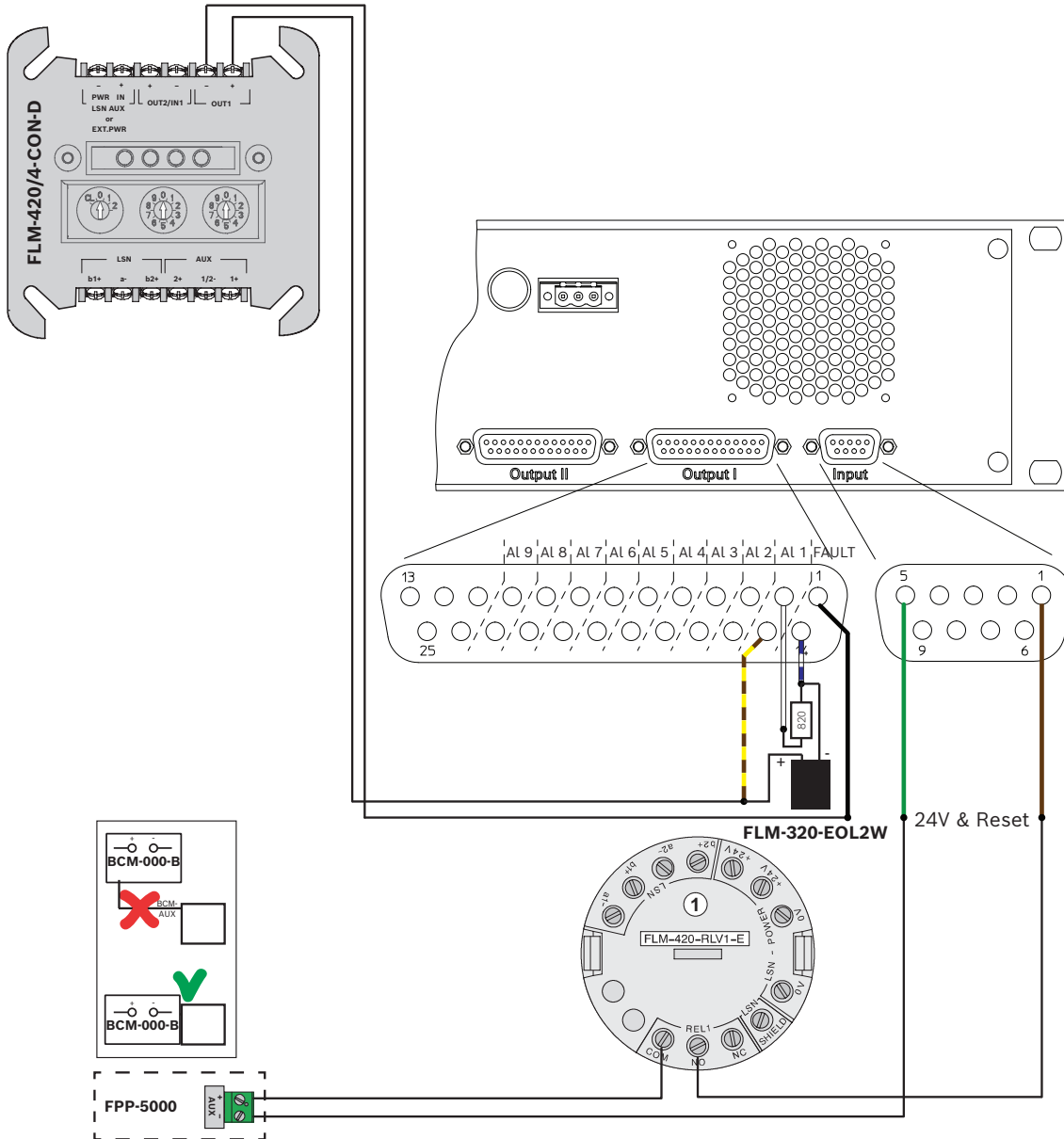
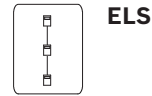


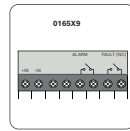
ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A

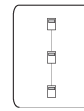


FCS-320-TP2

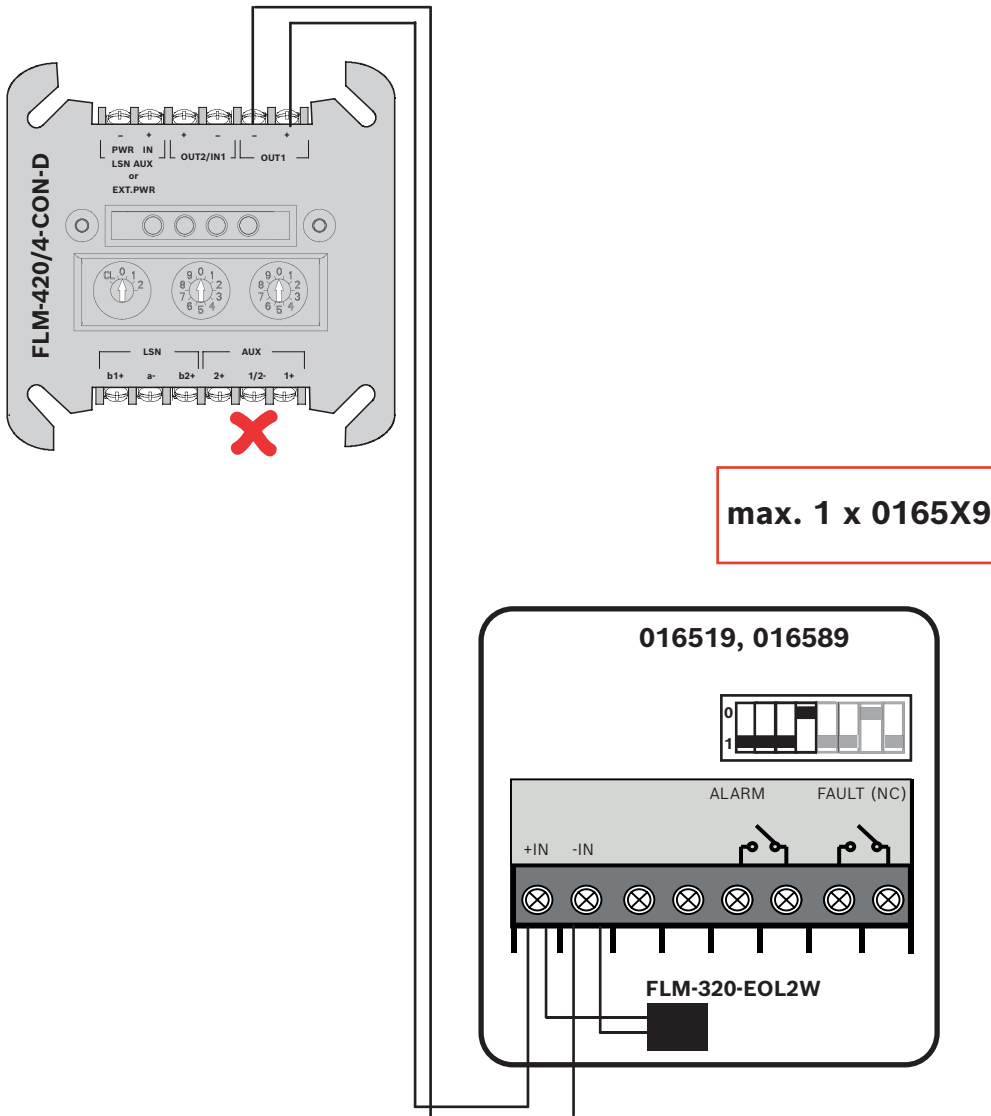


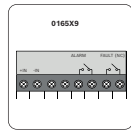


016519, 016589
IR3 Flame Detector

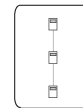


ELS

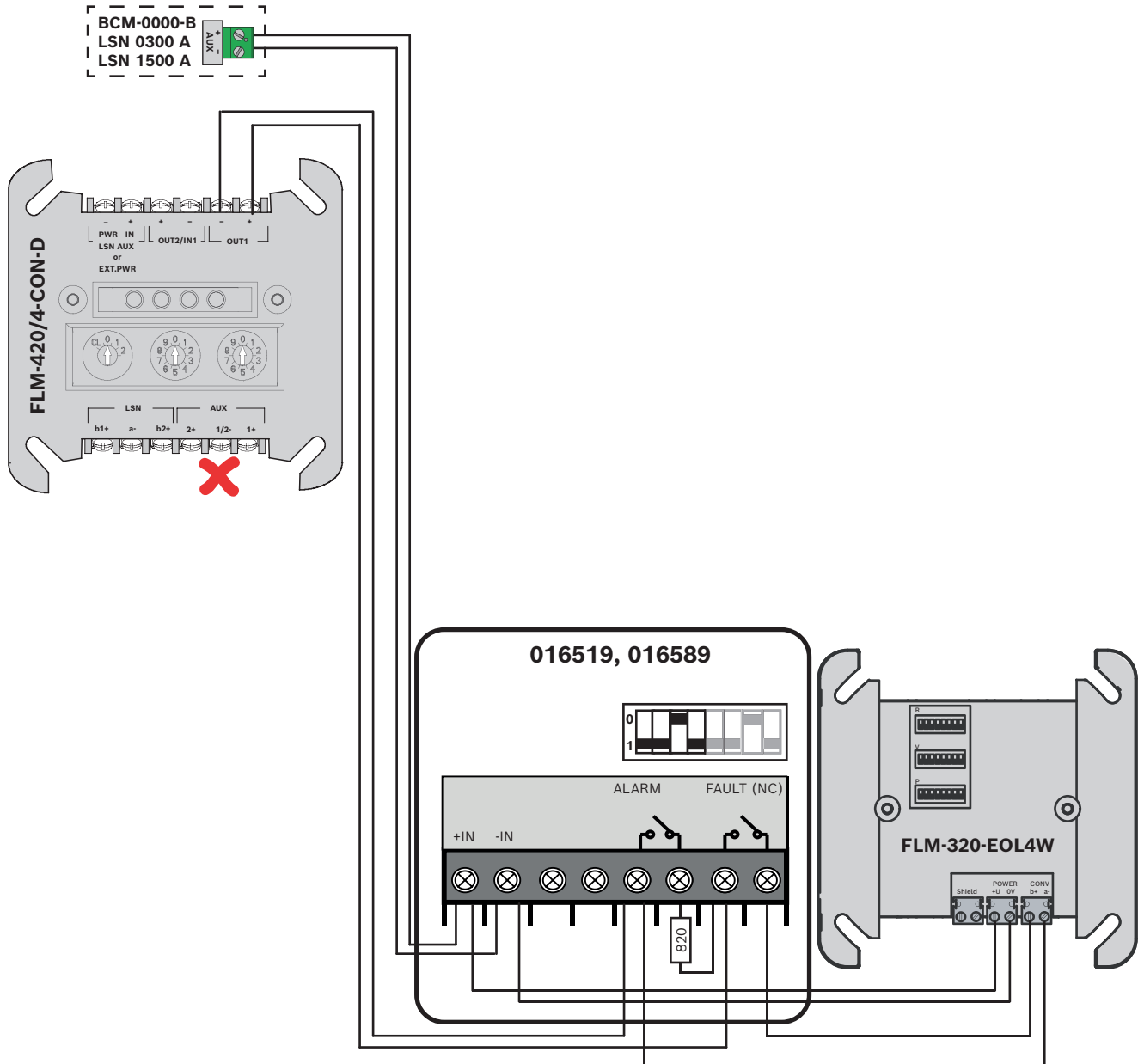




016519, 016589
IR3 Flame Detector

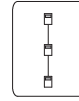


ELS

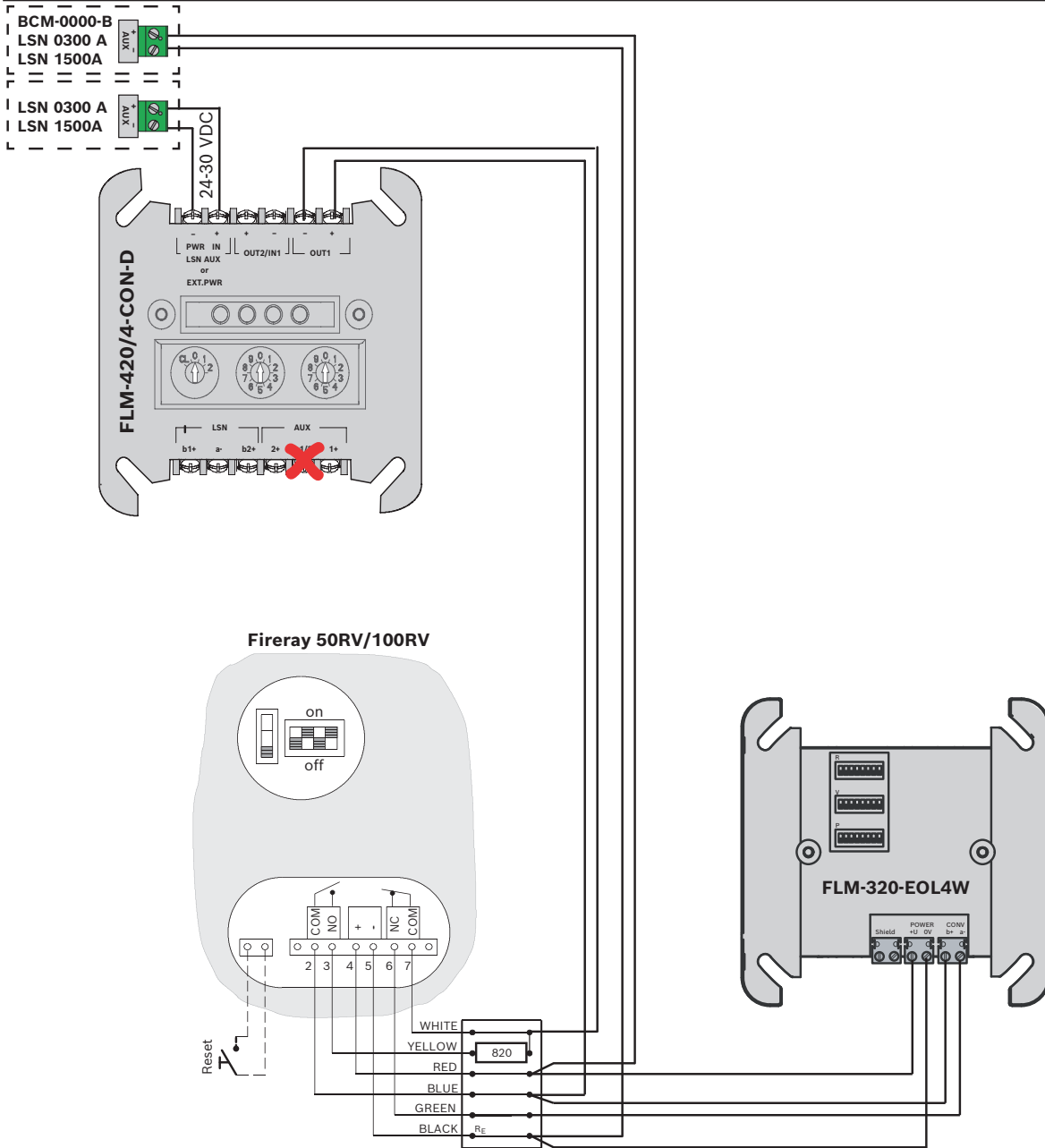




**Fireray 50RV
Fireray 100RV**



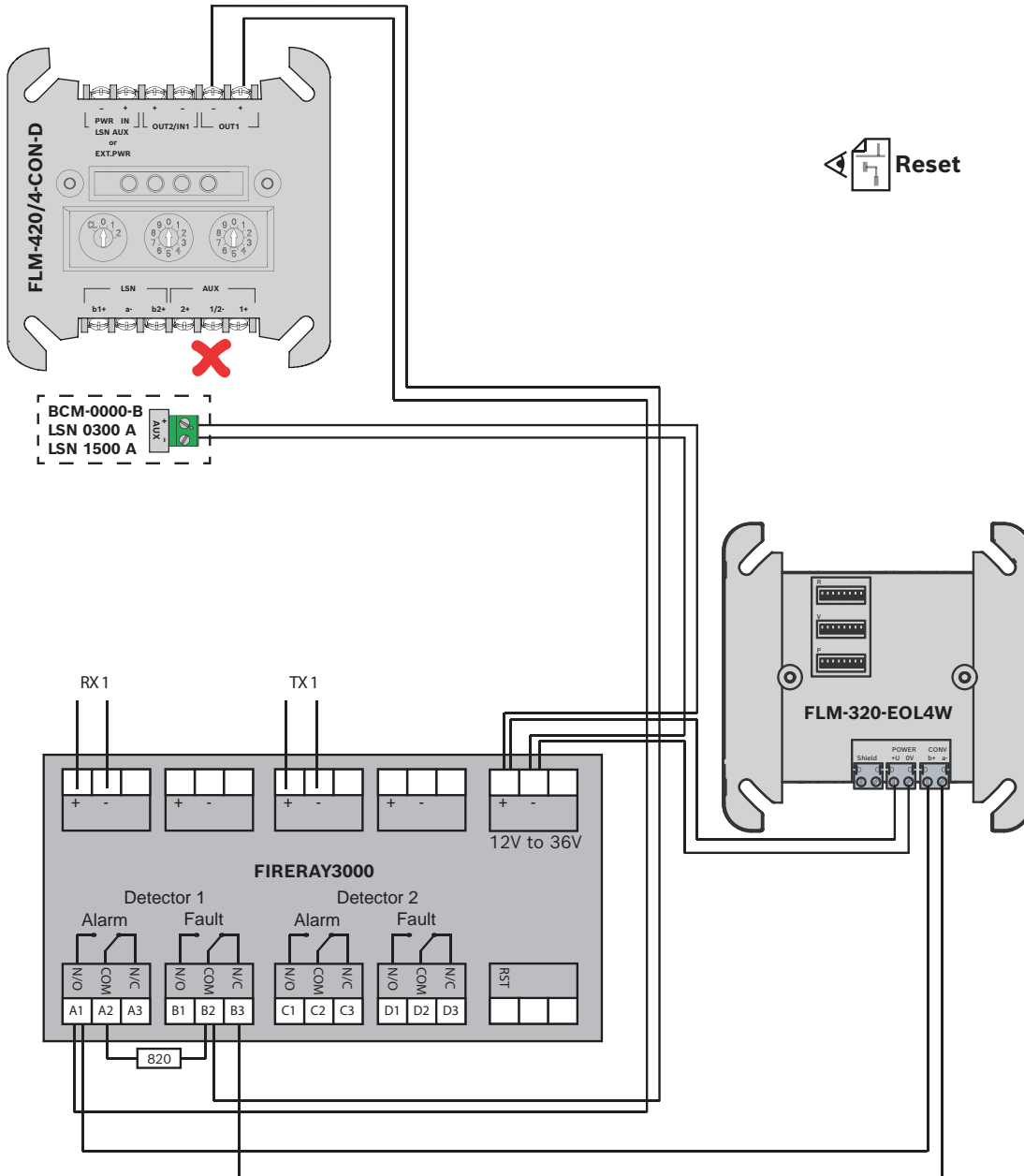
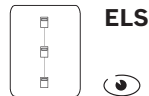
ELS





FIRERAY3000

1 x

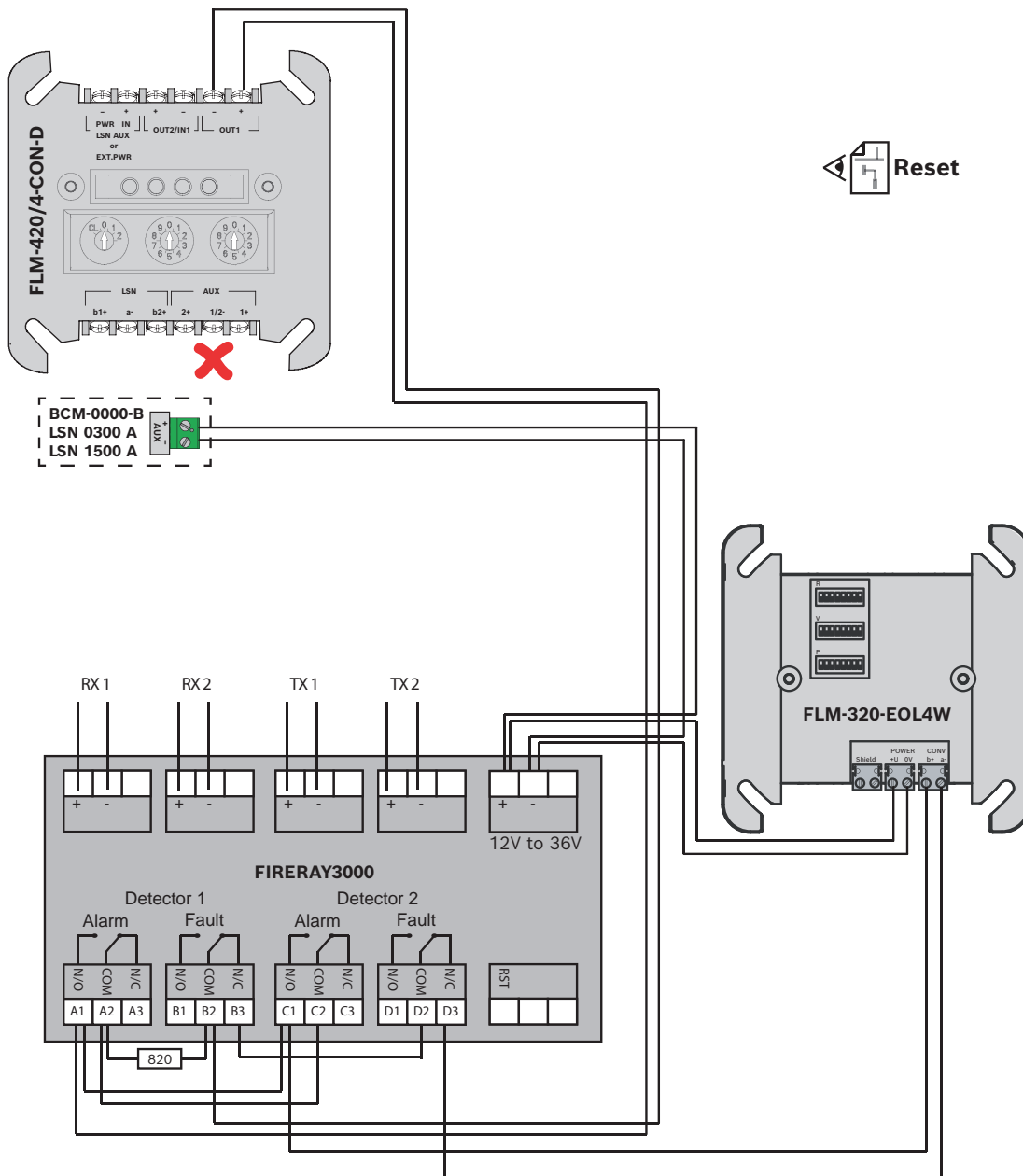




FIRERAY3000
2 x **OUT1**



ELS

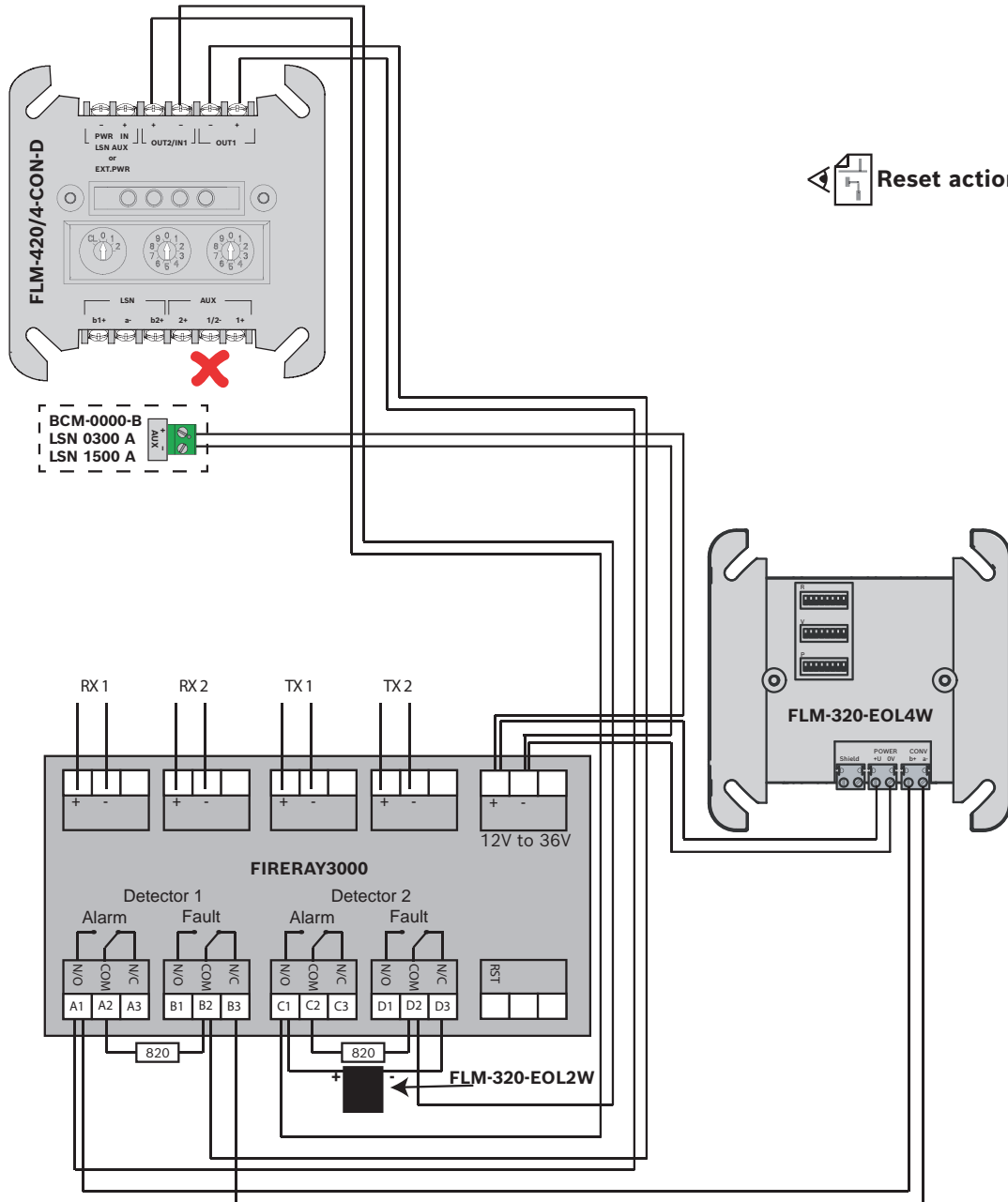




FIRERAY3000
2 x **OUT1+2**



ELS



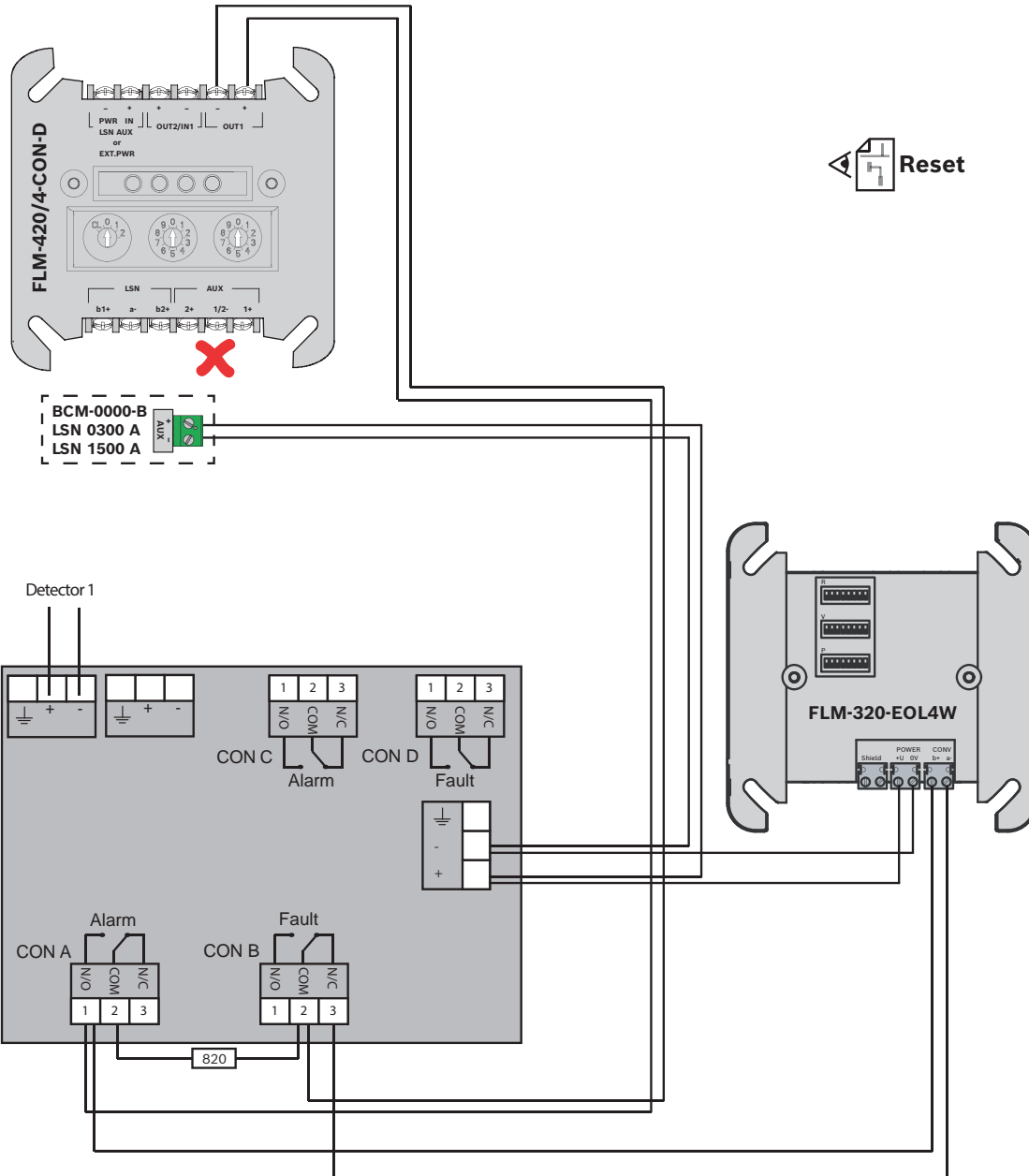


FIRERAY5000

1 x



ELS



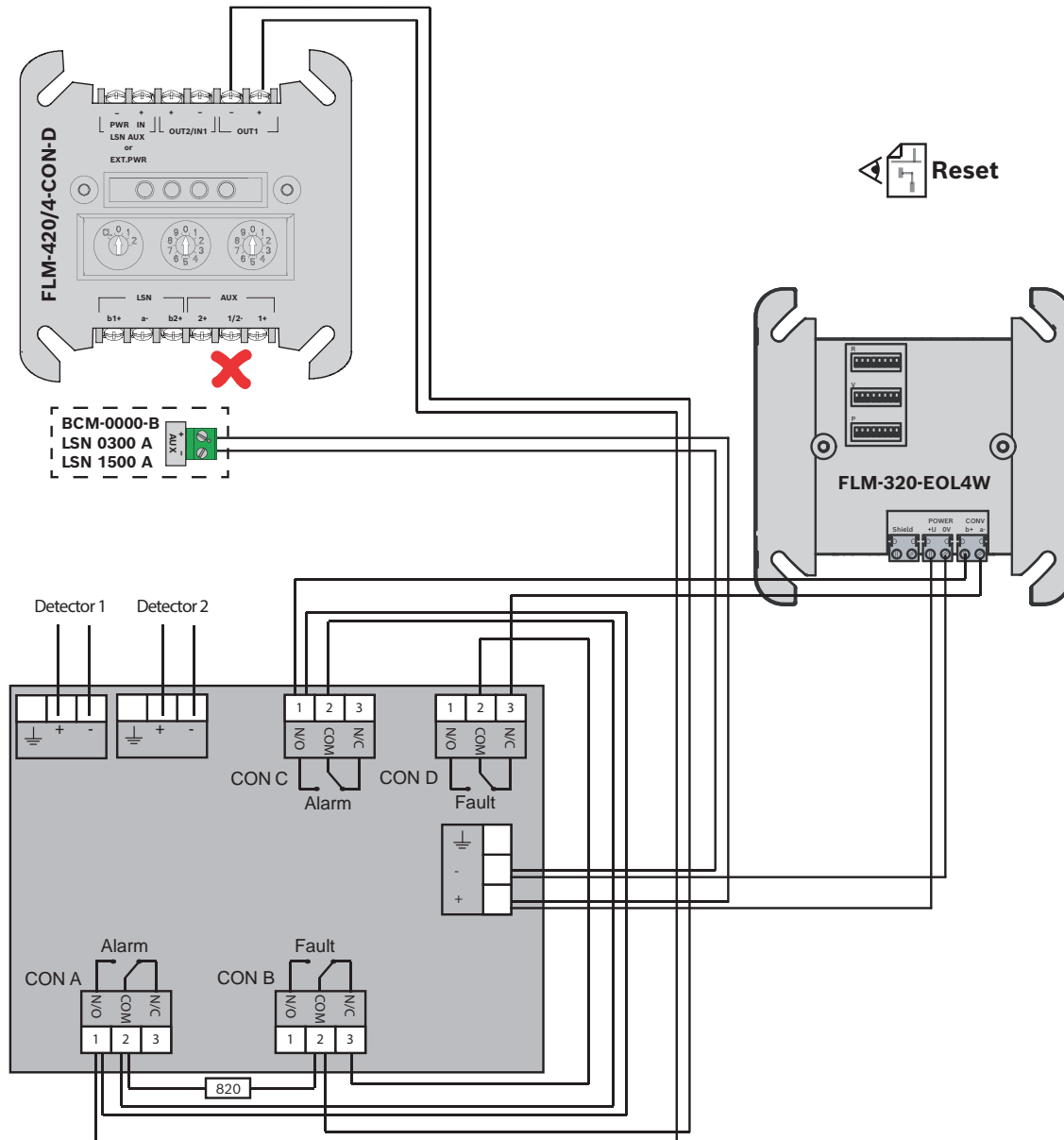


FIRERAY5000

2 x  **OUT1**

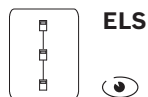


ELS



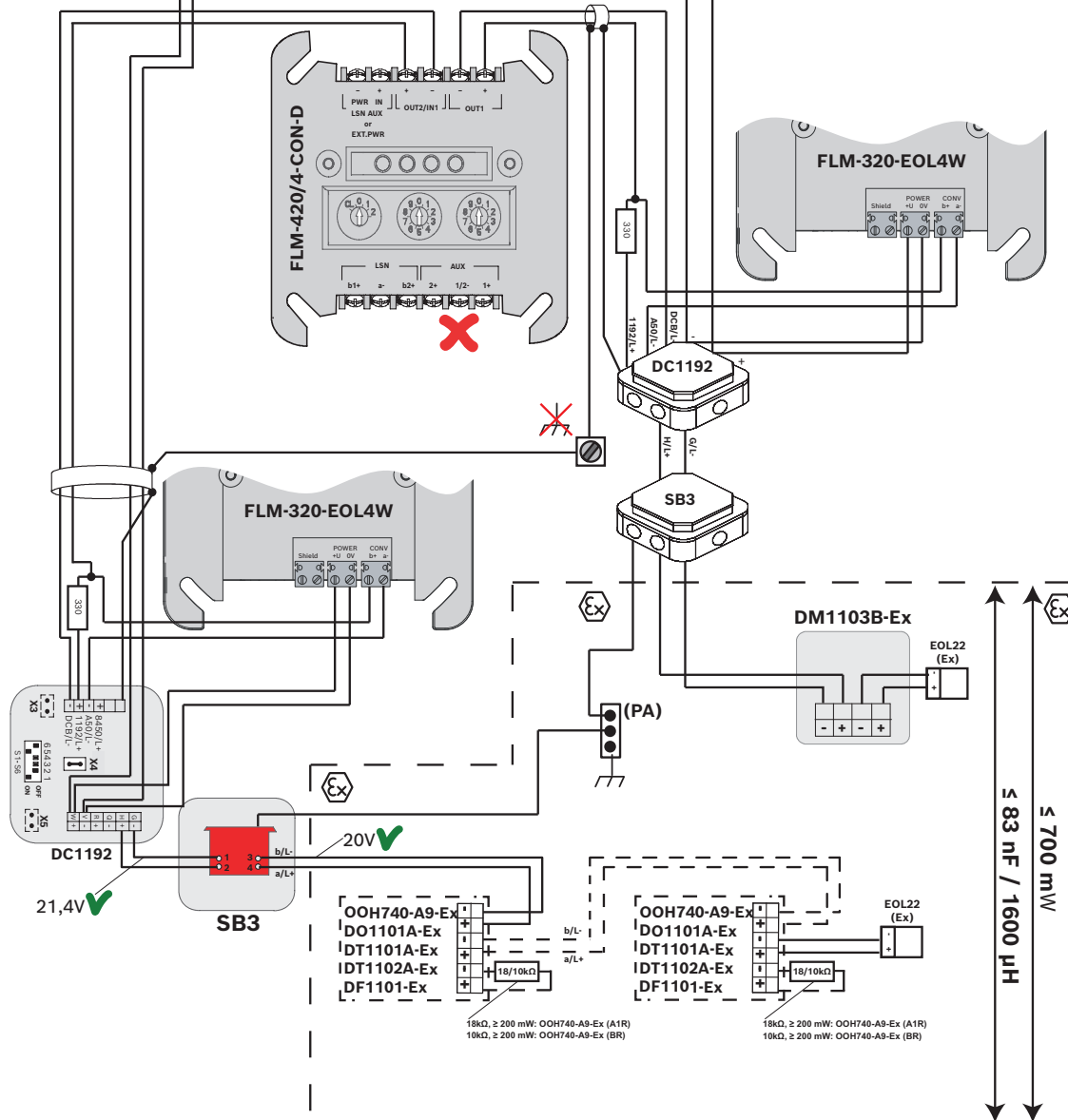


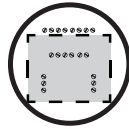
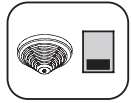
DC1192, SB3
 OOH740-A9-Ex
 DO1101A-Ex
 DT1101A-Ex/DT1102A-Ex
 DF1101-Ex
 DM1103B-Ex



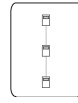
BCM-0000-B
 LSN 0300 A
 LSN 1500 A

BCM-0000-B
 LSN 0300 A
 LSN 1500 A

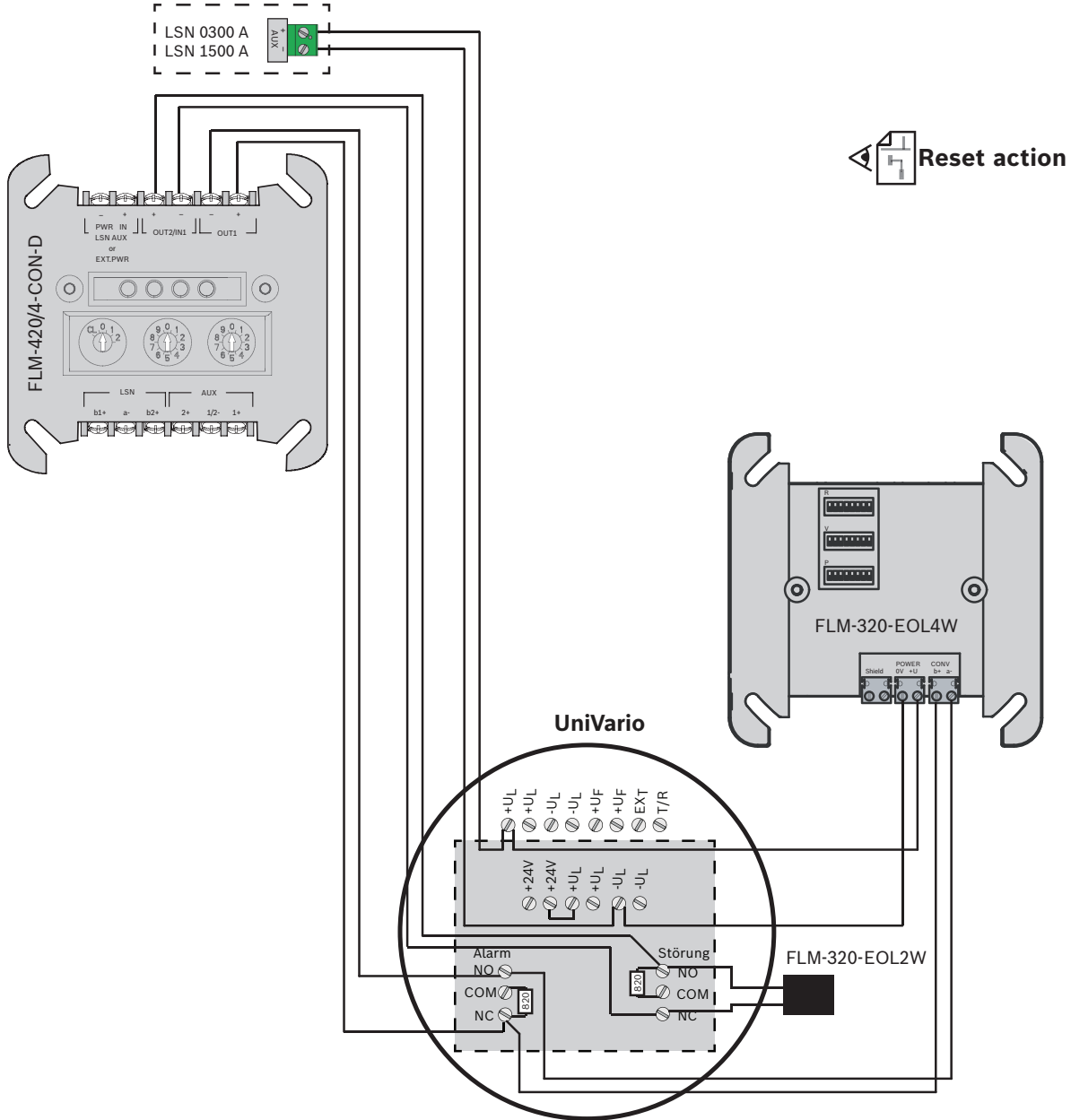




UniVario WMX5000
 UniVario FMX5000
 UniVario KMX5000



ELS



C		D	
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FCS-320-TP2	56	FLM-420/4-CON-D	149, 150
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FMC-300	60	858 -> FAA-MSR 420	17, 18
		858 -> FLM-420-RHV	27, 28
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		BTS 80 EMB -> FLM-420-RHV	29, 30
		BTS 80 FLB -> FAA-MSR 420	19, 20
		BTS 80 FLB -> FLM-420-RHV	29, 30
		ED 100 -> FAA-MSR-420	15, 16
		ED 100 -> FLM-420-RHV	25, 26
		ED 250 -> FAA-MSR-420	15, 16
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		GT 40 R -> FAA-MSR 420	17, 18
		GT 40 R -> FLM-420-RHV	27, 28
		GT 42 R -> FAA-MSR 420	17, 18
		GT 42 R -> FLM-420-RHV	27, 28
		GT 50 R -> FAA-MSR 420	17, 18
		GT 50 R -> FLM-420-RHV	27, 28
		GT 60 R -> FAA-MSR 420	17, 18
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		GT 63 R -> FAA-MSR 420	17, 18
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		GT 70 R -> FAA-MSR 420	17, 18
		GT 70 R -> FLM-420-RHV	27, 28
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		GT 70 R 050.01 Ex -> FLM-420-RHV	27, 28
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		Slimdrive EMD-F-IS -> FAA-MSR-420	21, 22
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		TS 4000 EFS -> FAA-MSR-420	23, 24
		TS 4000 EFS -> FLM-420-RHV	33, 34
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