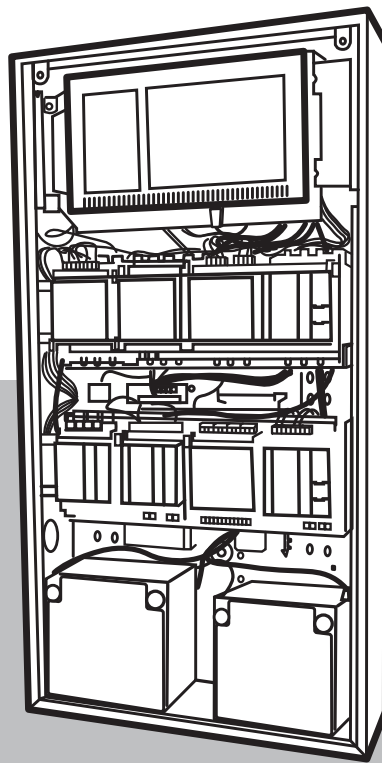


AVENAR panel series



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1 Megjegyzések

1.1 Tartalom

A vezetékezési útmutató külső eszközöknek a tűzjelző központhoz történő elvi csatlakoztatását mutatja. A nemzeti és helyi előírásokat nem veszi figyelembe. A nemzeti és helyi követelmények alkalmazása további összeköttetéseket eredményezhet.



Megjegyzés!

Az ebben a dokumentumban ismertetett bekötések az AVENAR panel 2000 központra is érvényesek, feltéve, ha annak egyedi alkatrészei a Bosch Sicherheitssysteme GmbH által engedélyezett kiegészítők az AVENAR panel 2000 központhoz.



Megjegyzés!

Az LSN 0300 A ebben a dokumentumban ismertetett bekötései az LSN 1500 A modulra szintén érvényesek.

Vegye figyelembe az LSN 1500 A modulhoz is, a németországi telepítéseknél, ahol meg kell felelni a VdS 2540 szabványnak, így az AUX- és az LSN-vezetéknek külön kábelben kell lennie.

1.2 Termékinformáció

- A tűzjelző központ egyes alkatrészeinek szerelési utasításait a mellékelt telepítési útmutatóban találja meg.
- További információkat (használati útmutatók, hálózati útmutatók, rendszerútmutató) a következő címen talál: www.boschsecurity.com

1.3 Fontos megjegyzések

- Csak a Bosch Security Systems által ajánlott eszközöket használja.
- Átalakítást és forrasztást csak földelő csuklópántot viselve végezzen.
- Az összeszerelést és telepítést csak szakképzett személyzet végezheti.
- Ügyeljen a helyi hatósági/intézményi csatlakoztatási előírásokra.



Veszély!

Feszültség alatti alkatrészek érintése életveszélyes lehet!
Üzembe helyezés előtt kapcsolja ki a tápellátást.

Kábelárnyékoló köpeny

Kábelárnyékoló köpeny szükséges mind a két vezeték csatlakoztatásához a CZM 0004 A-hoz, valamint a következő termékek csatlakoztatásához:

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

A következő vezetékezési minta azt mutatja, hogyan kell alkalmazni a kábelárnyékoló köpenyt.

Megjegyzés!

Ha az LSN-kábel árnyékolóköpenyét kell csatlakoztatnia, az LSN előírásainak megfelelően járjon el.

- Csatlakoztassa az LSN-kábel árnyékolóköpenyét a központ oldalán a kijelölt funkció földcsatlakozójához:

két csatlakozás a hurok elején és végén

egy kapcsolat az ág elején

- Hurkolja át az árnyékolást az LSN összes periférikus eszközén a biztosított csatlakozók felhasználásával

- Az LSN-kábel árnyékolását tilos máshová csatlakoztatni – sem más földcsatlakozóhoz, sem más elektromos potenciálhoz való csatlakozás nem megengedett



1.4 Megjegyzések a használathoz

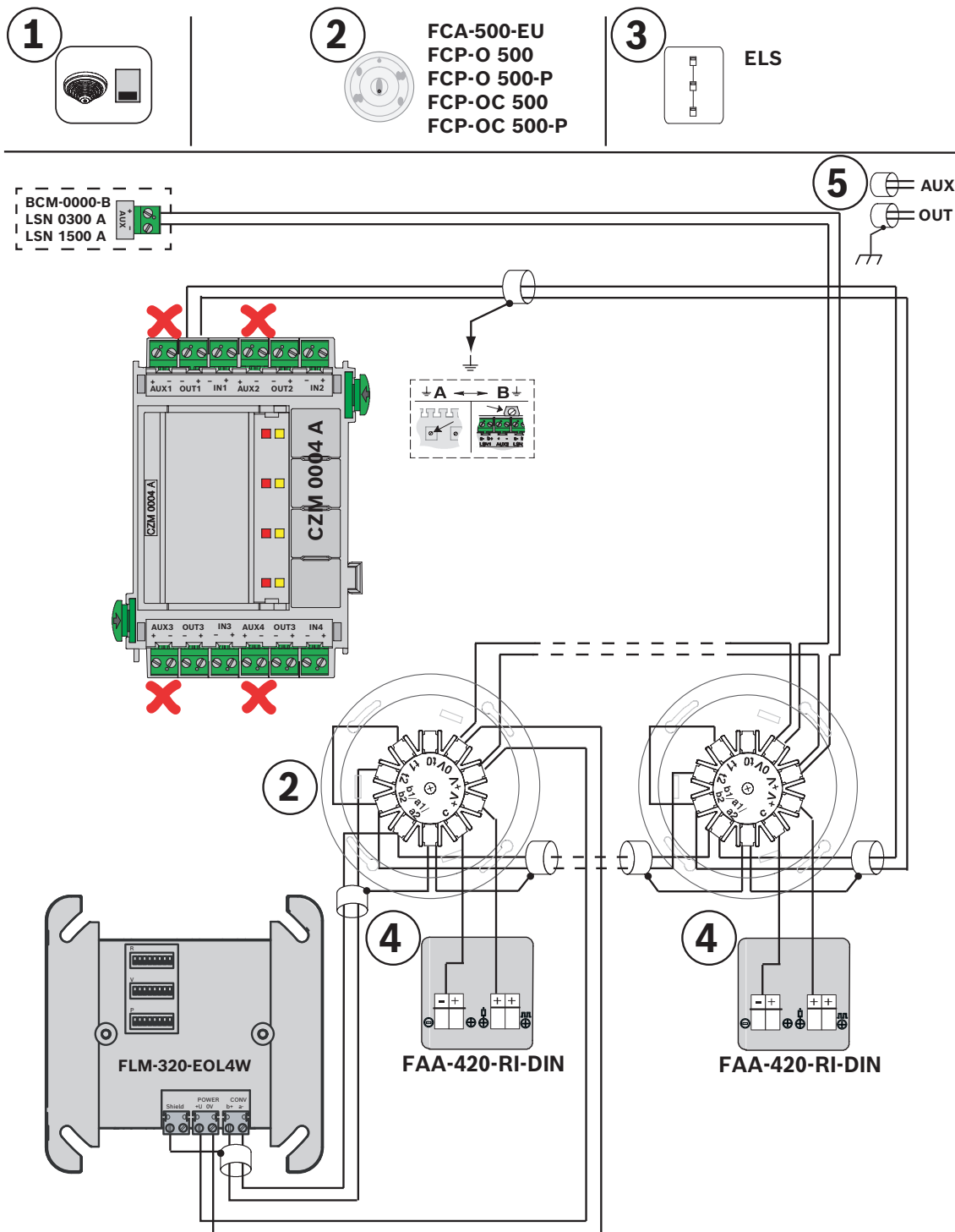
A vezetékezési útmutató a következőképp épül fel:

- A Vezetékezés fejezet eszköz szerint tagolódik, amelyhez a periférikus eszköz csatlakozik. A kapcsolási rajz a két eszköz közötti közvetlen csatlakoztatást ábrázolja (lépcsős kapcsolások nélkül).
- A vezetékek, melyek a kialakuló nyitott helyzetet felügyelő EOL modullal vannak felszerelve, a EOL fejezetben található.

A szükséges kapcsolási rajz megkereséséhez használhatja továbbá:



- a Vezetékezés című fejezet elején, illetve a Funkcionális modulok, az Interfész modulok és az EOL fejezet elején található táblázatokat.
- az Index (nyelvfüggetlen),
- és a teljes szöveges keresést.

Lásd az alábbi példát a vezetékezésre:







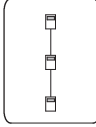
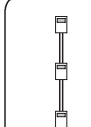
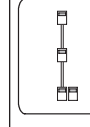
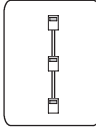
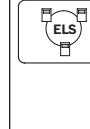








1	Fejezetjelölések (<i>Fejezetjelölések, oldal 7</i>)
2	Csatlakoztatható külső eszköz
3	Csatlakoztatási jelölések (<i>Csatlakoztatási jelölések, oldal 7</i>)
4	Opcionális elemek
5	Tápellátás és vezetékezés (<i>Tápellátás és vezetékezés, oldal 8</i>)

1.4.1 Fejezetjelölések



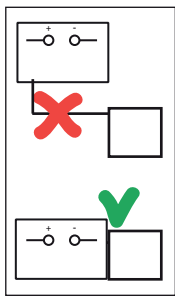
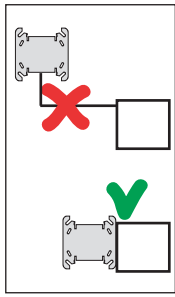

	Automatikus érzékelők		Kezelők és kijelzők		Nyomtató
	Elektromos tápellátás		Funkcionális modulok		Tűzoltósági kezelőegység
	Interfészmodulok		Oltórendszerek		Kézi jelzésadók
	Jelzőeszközök		Ajtóvezérlők		Adatátviteli egységek

1.4.2 Csatlakoztatási jelölések

	Kötelező vezetékezés		Opcionális vezetékezés		Nem megengedett
	Redundancia		Hurok vezetékezése		Hurok vezetékezése redundáns elemmel
	Ágvezetékezés		Redundáns ág vezetékezés		Ágvezetékezés redundáns elemmel
	Redundáns ágvezetékezés redundáns elemmel	ELS	Ez a vezetékezés megfelel a VdS 2489 / VdS 2540 / VdS 2541 / VdS 2543-nak. Az ELS (Extended Line Supervision) jelentése: kialakuló rövidzár és kialakuló szakadás figyelése. Ennél a vezetékezésnél van ELS. A kialakuló szakadást a következő modulok észlelik: LSN 0300 A, LSN 1500 A és BCM-0000-B, az FPP-5000-TI13 használata esetén.		Ez a hurokvezetékezés megfelel a VdS 2489 / VdS 2540 / VdS 2541 / VdS 2543-nak. ELS-t is biztosít. További EOL modulok nem szükségesek.
	Szinkronizálás		Robbanásveszélyes területek		Központ
	Önálló központ		Önálló központ redundanciával		Érzékelőaljzatok esetén: A kapcsolási rajz kizárólag arra az

					érzékelőaljzatra érvényes, amelyre az érzékelőt felszerelték.
EN 54-2, DIBT stb.	Ha előírás a szabványnak való megfelelés, használja a megadott kábeleket.				

1.4.3 Tápellátás és vezetékezés

	Kábel, 2 vezetékes szükséges.
	Árnyékolt kábel, 2 vezetékes szükséges.
	A tápegységet tartalmazó termék házát az elemmel síkba kell felszerelni.
	Az interfészmodult süllyesztve kell felszerelni.
 Reset action	Lásd a kapcsolási rajzot a kézikönyvben. Az eszköz automatikus visszaállításához végre kell hajtani a visszaállítási műveletet.

1.5 Ellenállási értékek

Az alábbi táblázat az ellenállások színkódjait foglalja össze. A fémréteg ellenállásokat 5 színes csíkkal látják el, melyek az ellenállás értékét jelölik.

Szín	1. csík	2. csík	3. csík	4. csík (multiplikátor)	5. csík (tűrés)
Ezüst				10^{-2}	$\pm 10\%$
Arany				10^{-1}	$\pm 5\%$
Fekete		0	0	10^0	
Barna	1	1	1	10^1	$\pm 1\%$
Vörös	2	2	2	10^2	$\pm 2\%$
Narancssárga	3	3	3	10^3	$\pm 0.05\%$

Szín	1. csík	2. csík	3. csík	4. csík (multiplikátor)	5. csík (tűrés)
Sárga	4	4	4	10 ⁴	±0.02%
Zöld	5	5	5	10 ⁵	±0.5%
Kék	6	6	6	10 ⁶	±0.25%
Ibolya	7	7	7	10 ⁷	±0.1%
Szürke	8	8	8	10 ⁸	±0.01%
Fehér	9	9	9	10 ⁹	

A DIN EN 60062:2017 szabvány szerint

Narancssárga — fehér — fekete — barna — barna? 3,9 kOhm ellenállás 1%-os tűréssel,
Vörös — vörös — fekete — barna — barna: 2,2 k Ohm ellenállás 1%-os tűréssel.

2 Wiring



FPP-5000 Power supply, oldal 11

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

DIBT, oldal 15

Functional Modules, oldal 42

BCM-000-B, oldal 43

CZM 0004 A, oldal 45

ENO 0000 A/B, oldal 61

LSN 0300 A, oldal 68

NZM 0002 A, oldal 106

RMH 0002 A, oldal 119

IOS 0020 A, oldal 120

FPE-5000-UGM, oldal 122

Interface Modules, oldal 124

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

FLM-420-I8R1-S, oldal 158

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

FLM-420-RHV, oldal 172

FLM-420-RLE-S, oldal 184

FLM-420-RLV1-E, oldal 185

FLM-420-RLV8-S, oldal 186

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

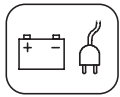
EOL, oldal 188

CZM 0004 A, oldal 189

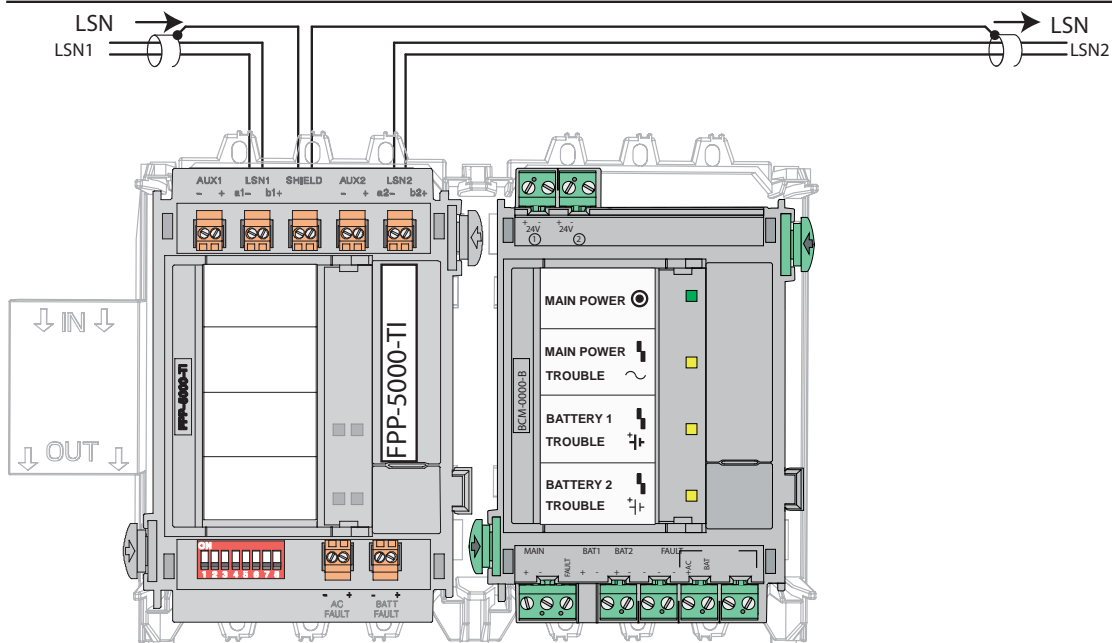
LSN 0300 A, oldal 201

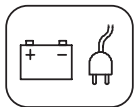
FLM-420/4-CON-S/D, oldal 246

2.1 FPP-5000 Power supply



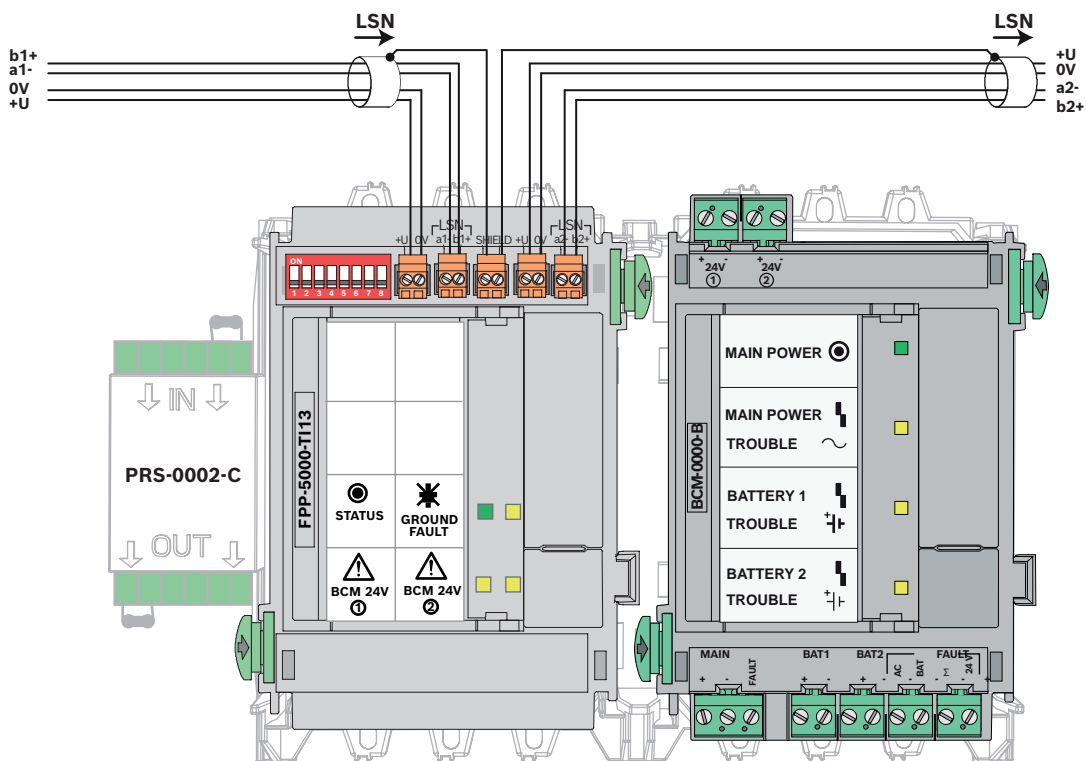
FPP-5000-TI



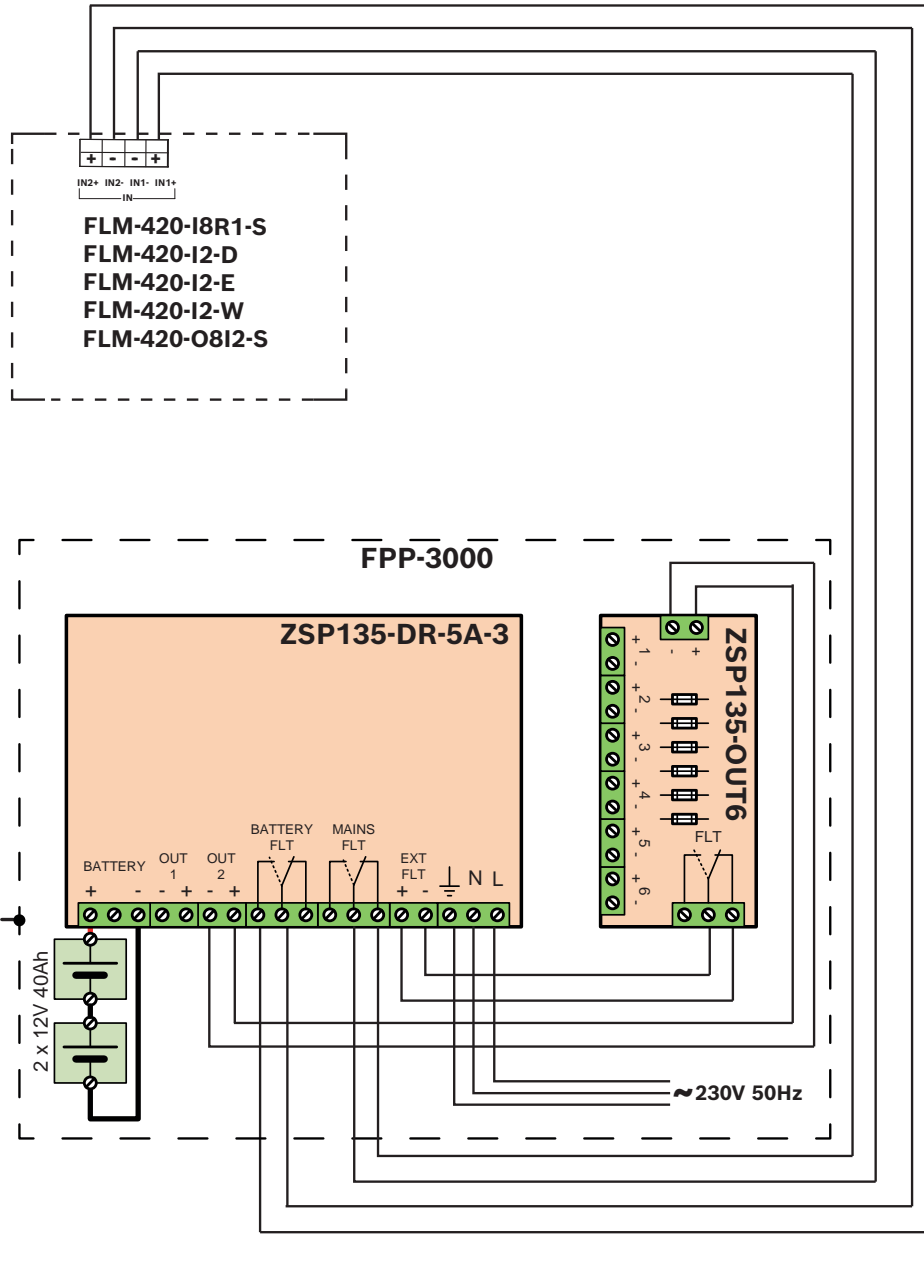
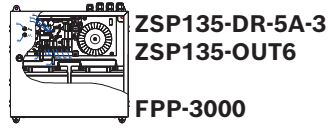
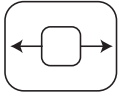


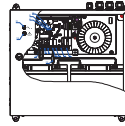
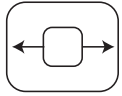
FPP-5000-TI13

ELS

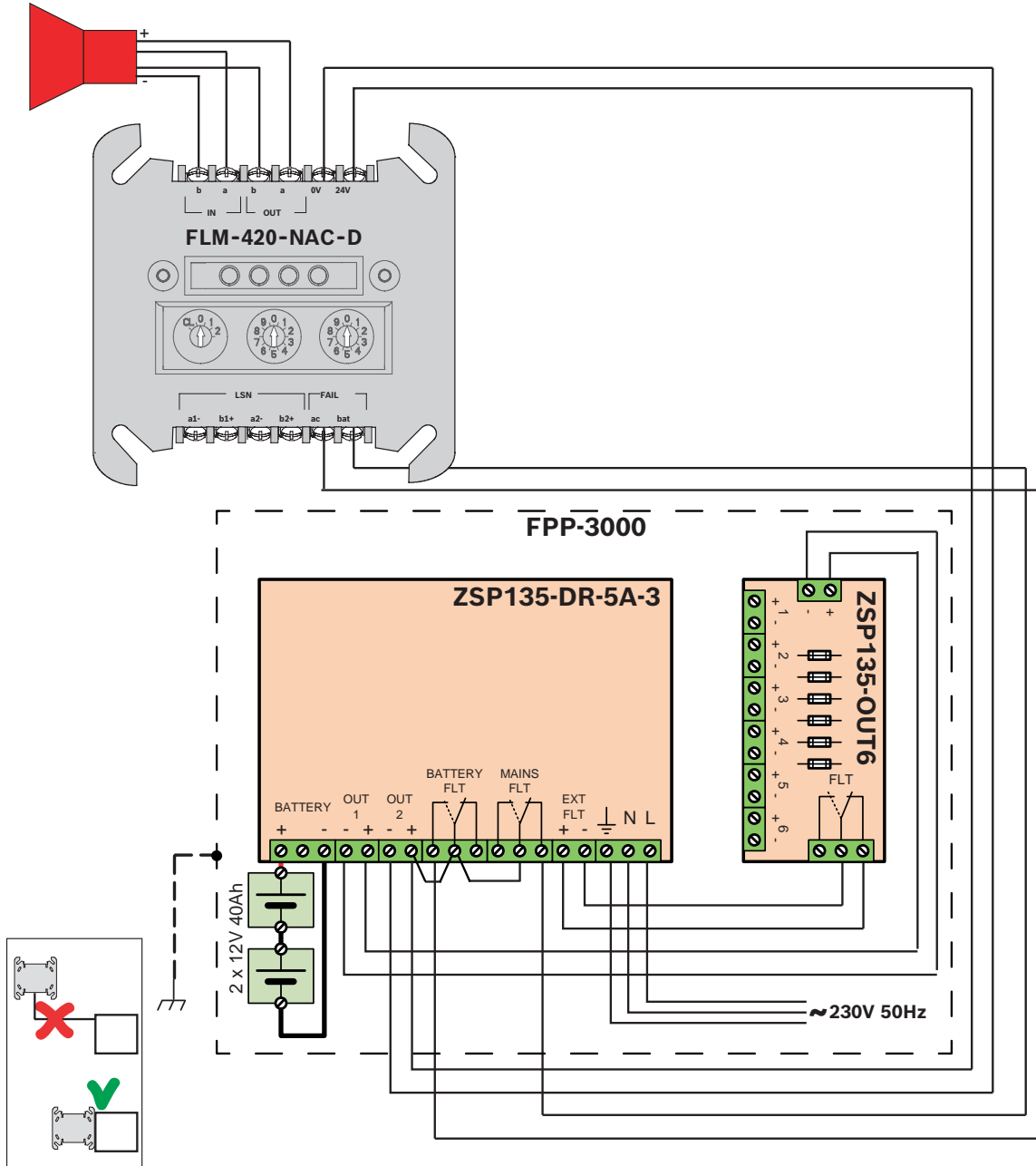


2.2 FPP-3000 Power supply (ZSP135-DR-5A-3/ZSP135-OUT6)

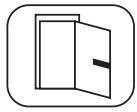




ZSP135-DR-5A-3
ZSP135-OUT6
FPP-3000

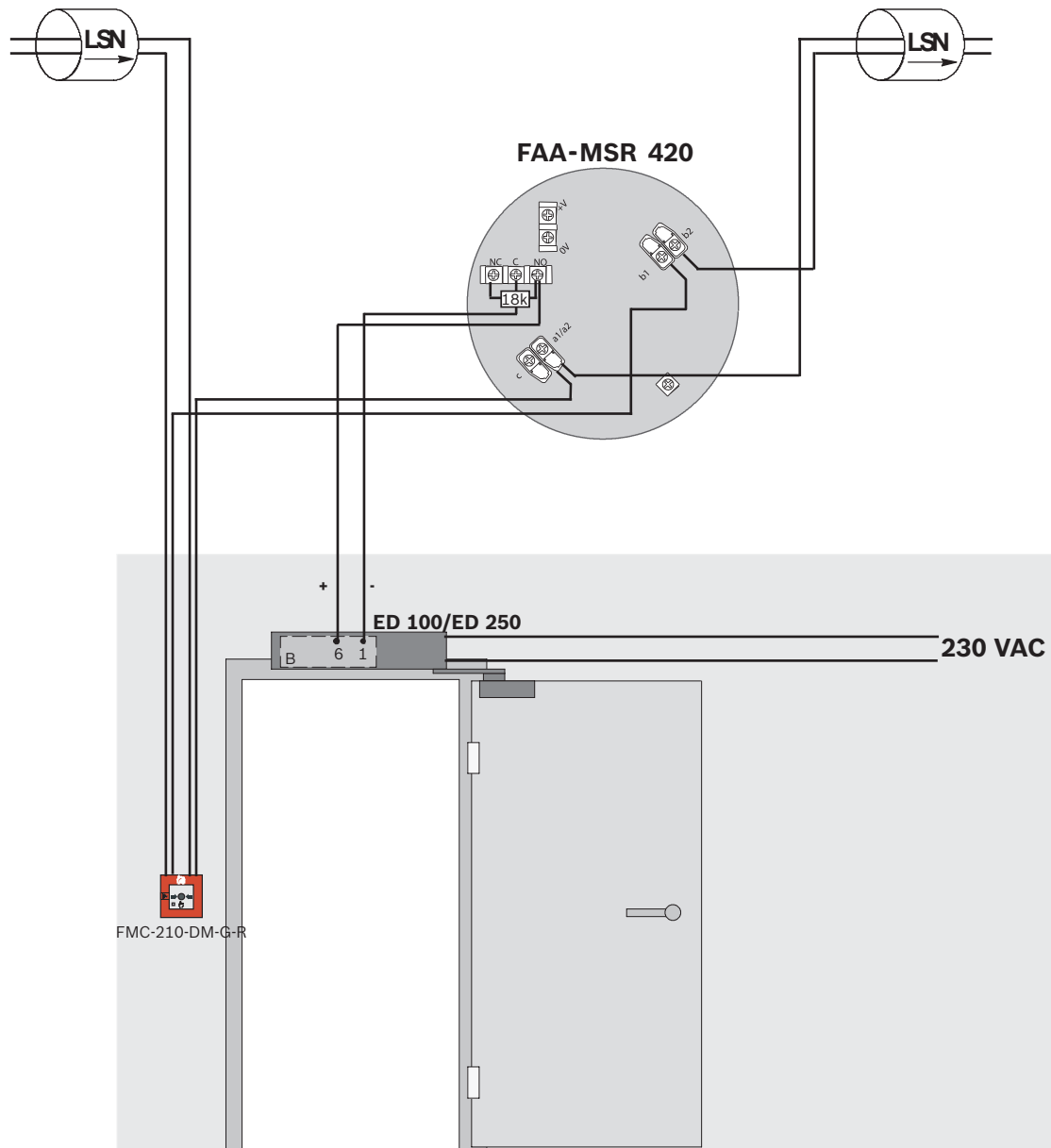


2.3 DIBT



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

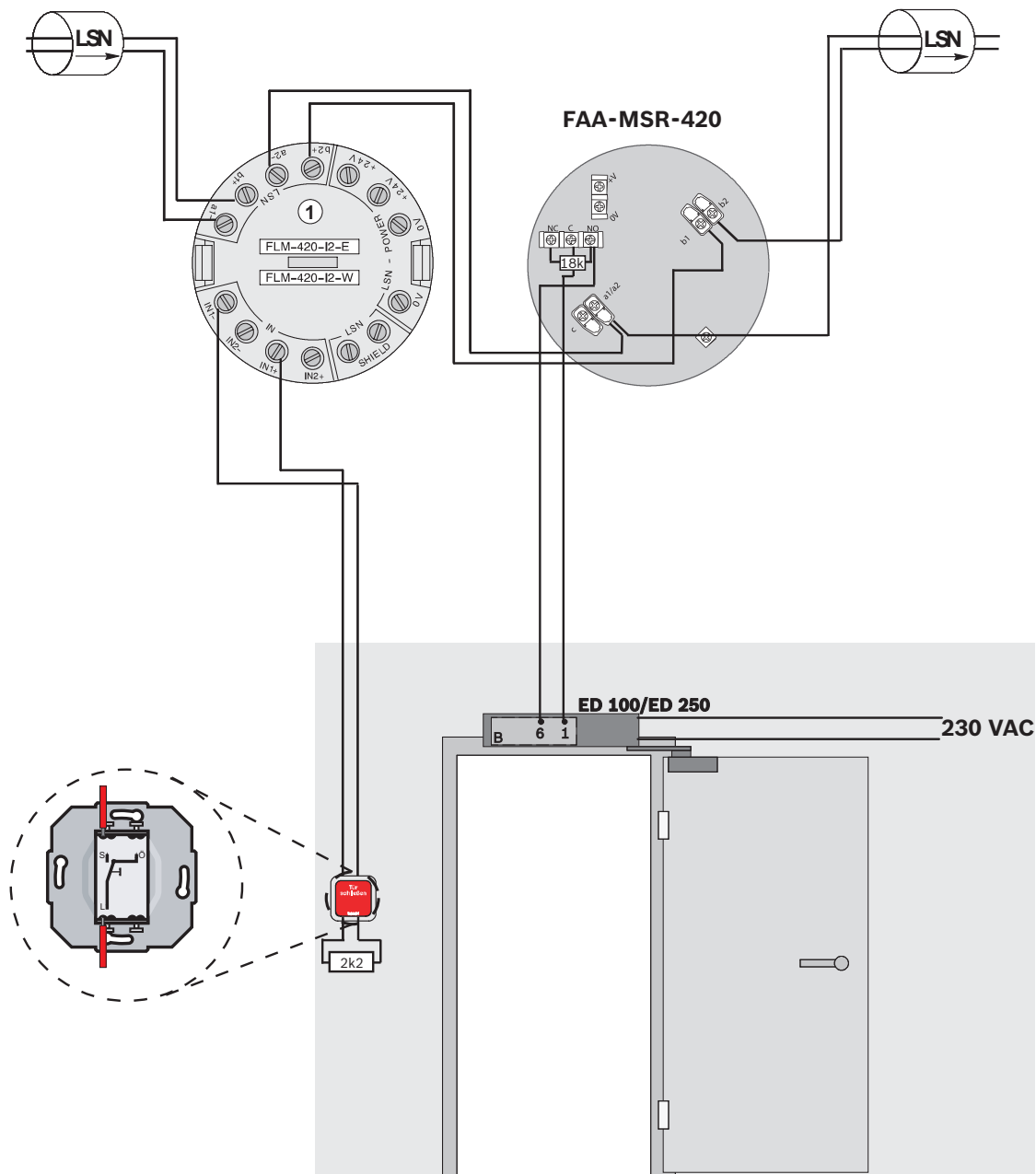
DIBT

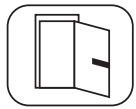




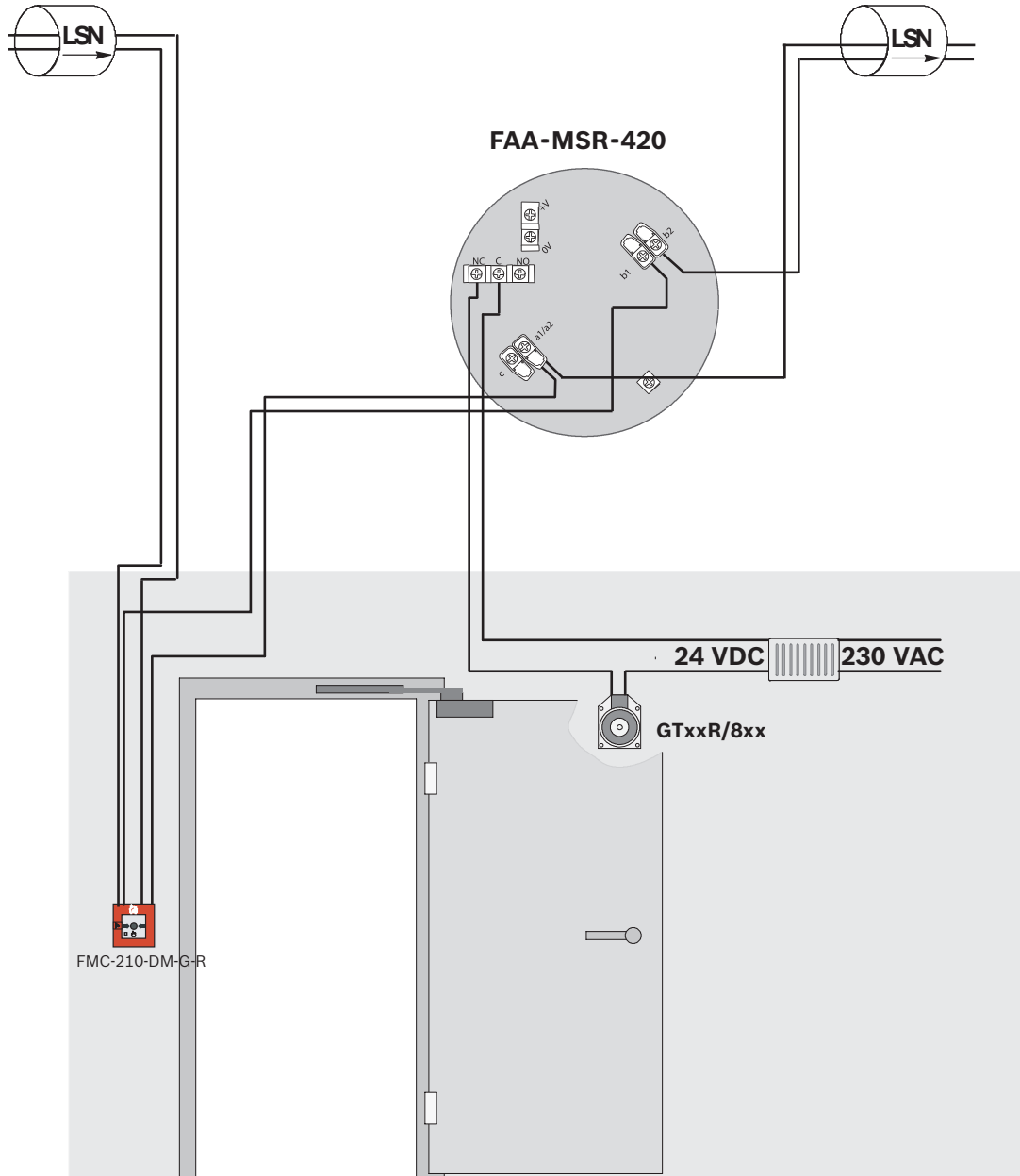
**ED 100
ED 250
(+Upgrade Card B)**

DIBT



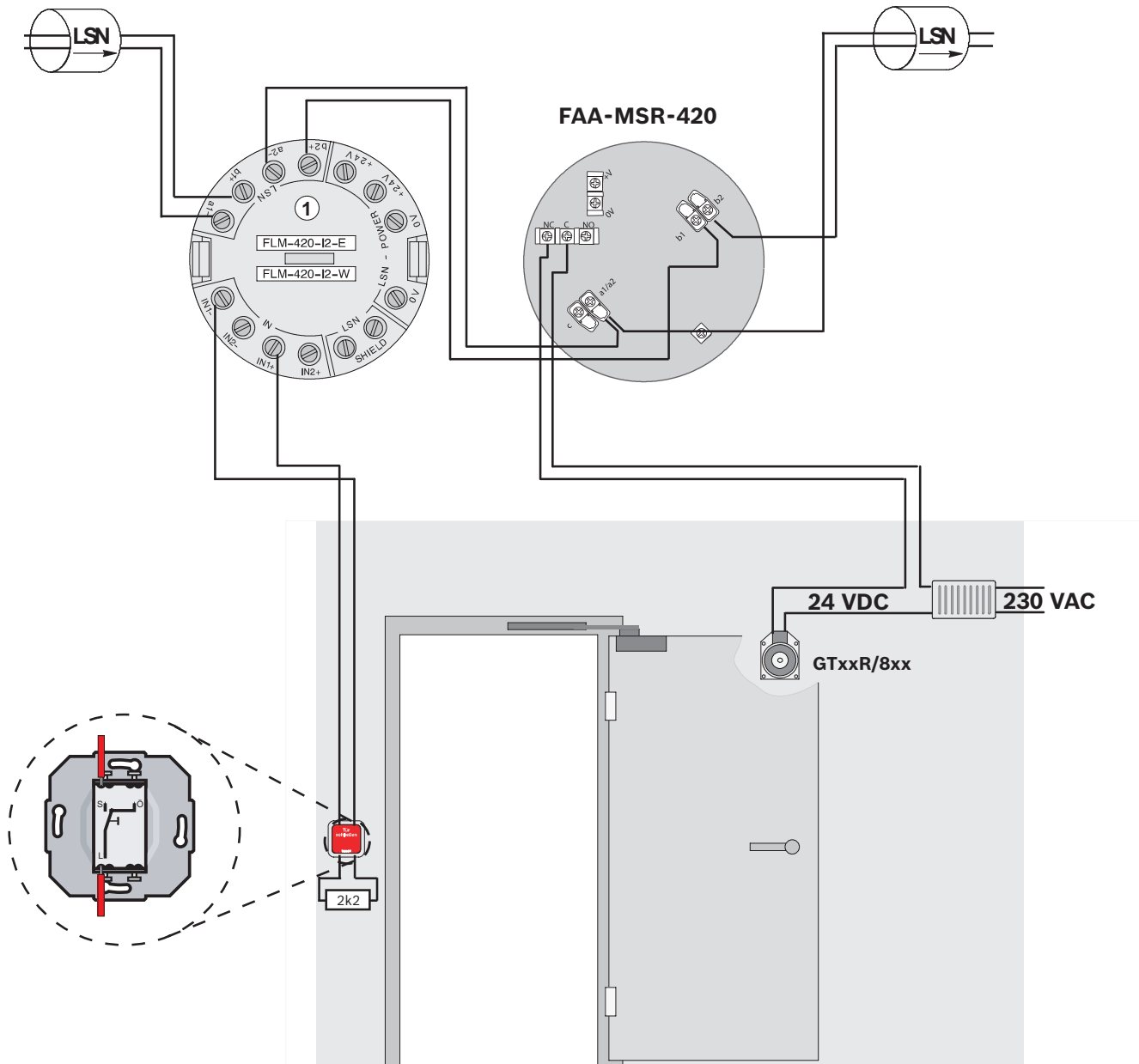


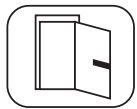
DIBT





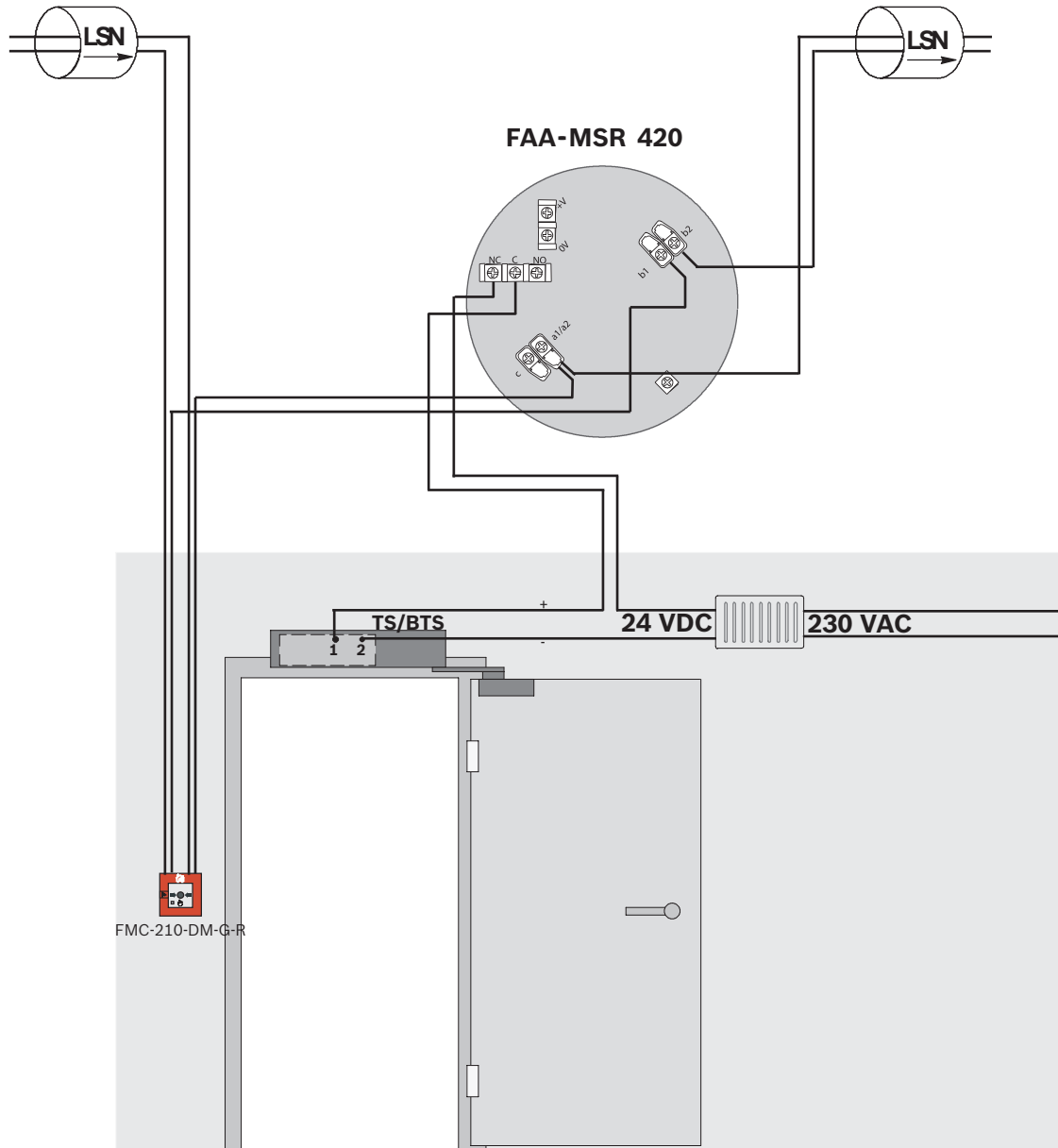
DIBT





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

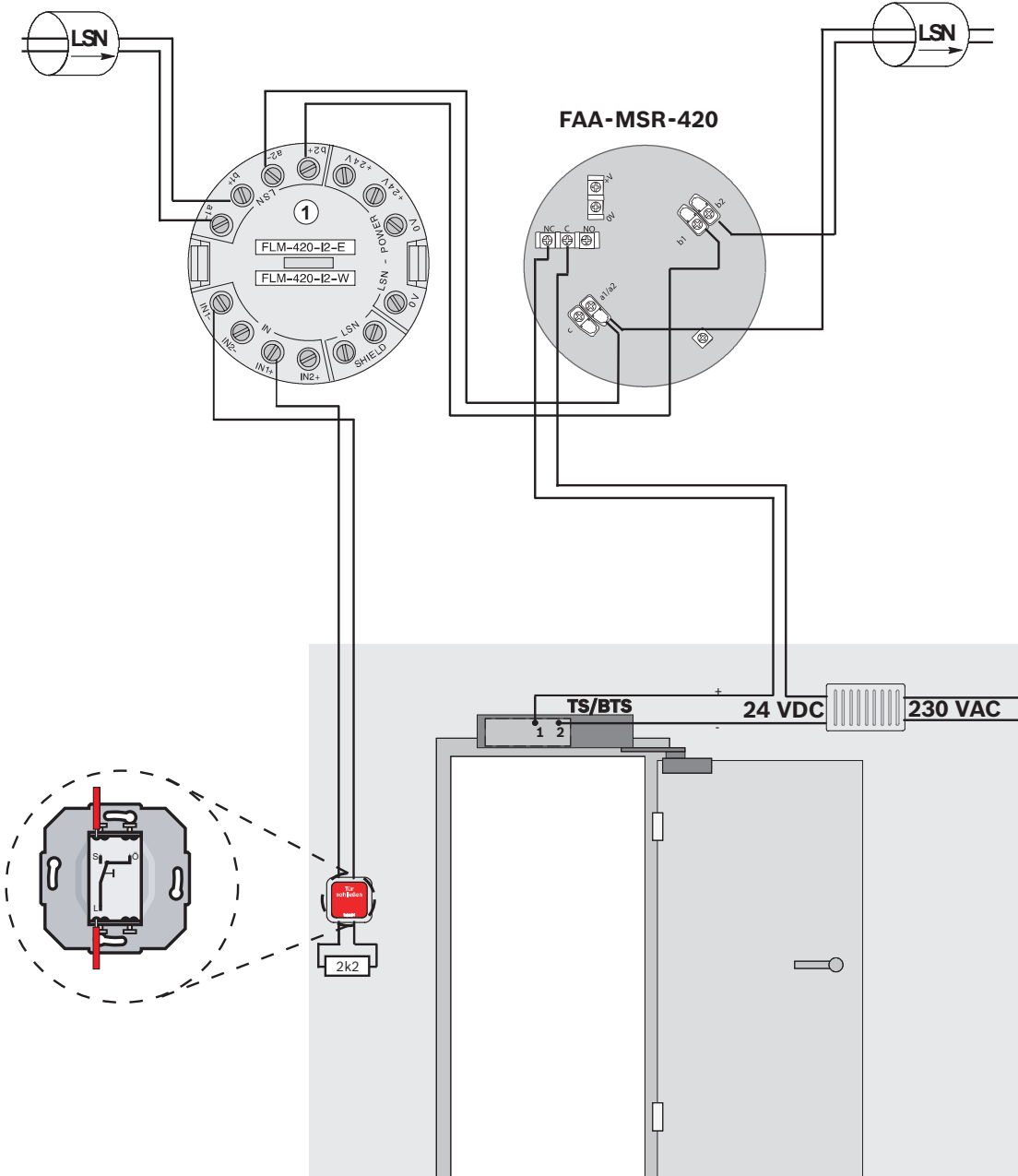
DIBT

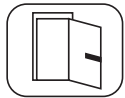




TS 73 EMF
 TS 93 EMF
 TS 93 GSR
 BTS 80 EMB
 BTS 80 FLB

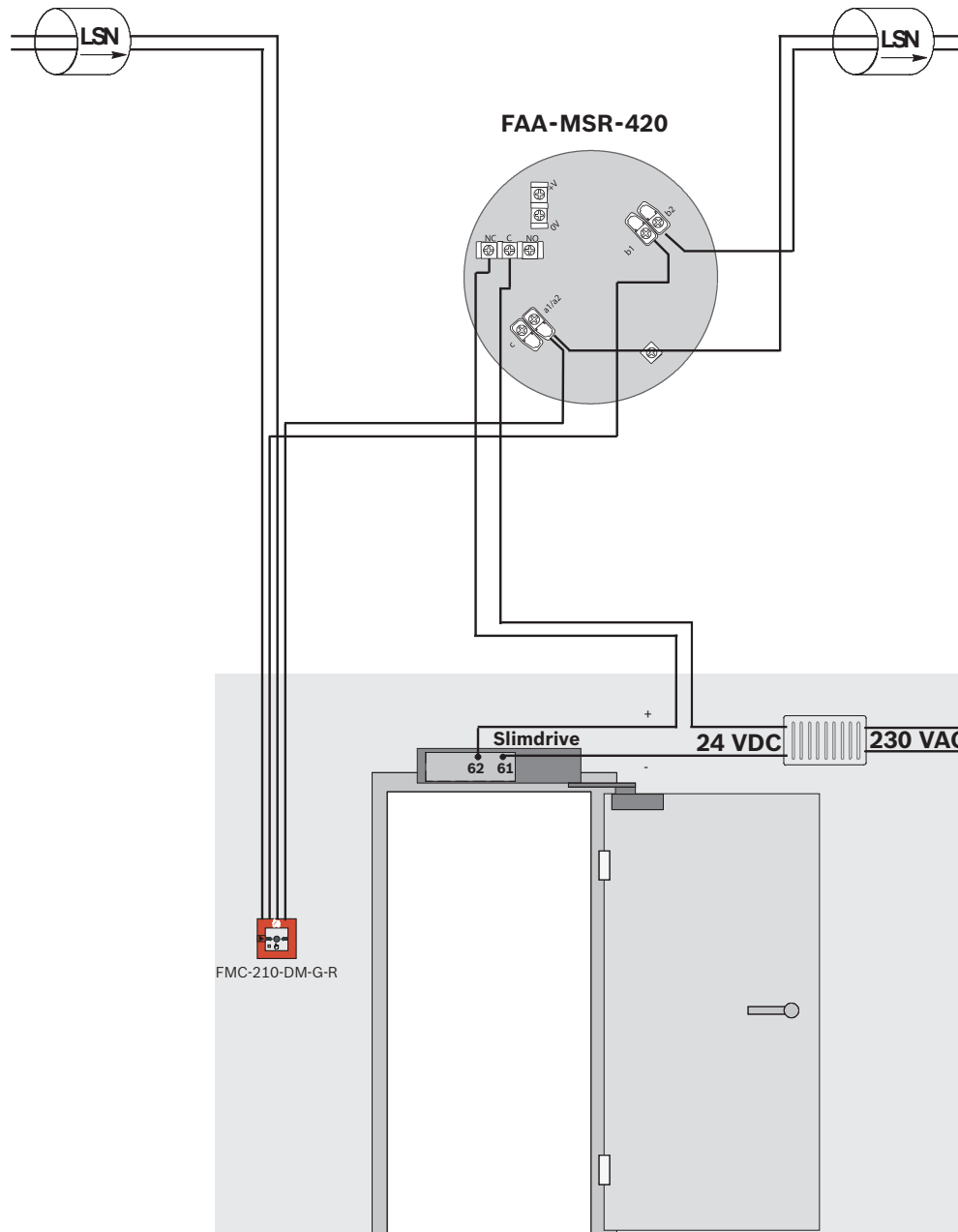
DIBT





Slimdrive EMD-F/EMD F-IS

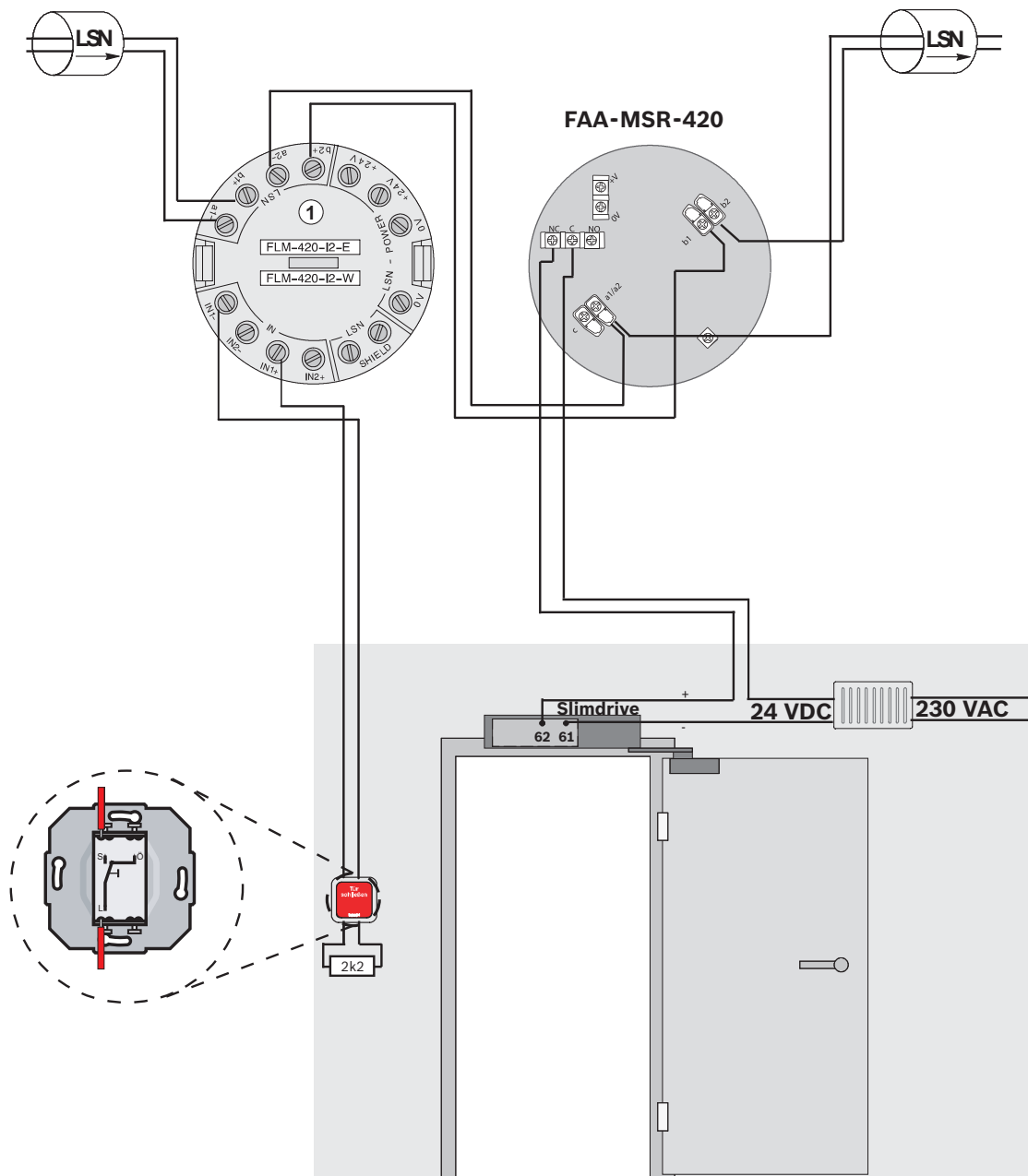
DIBT

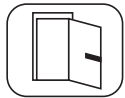




Slimdrive EMD-F/EMD F-IS

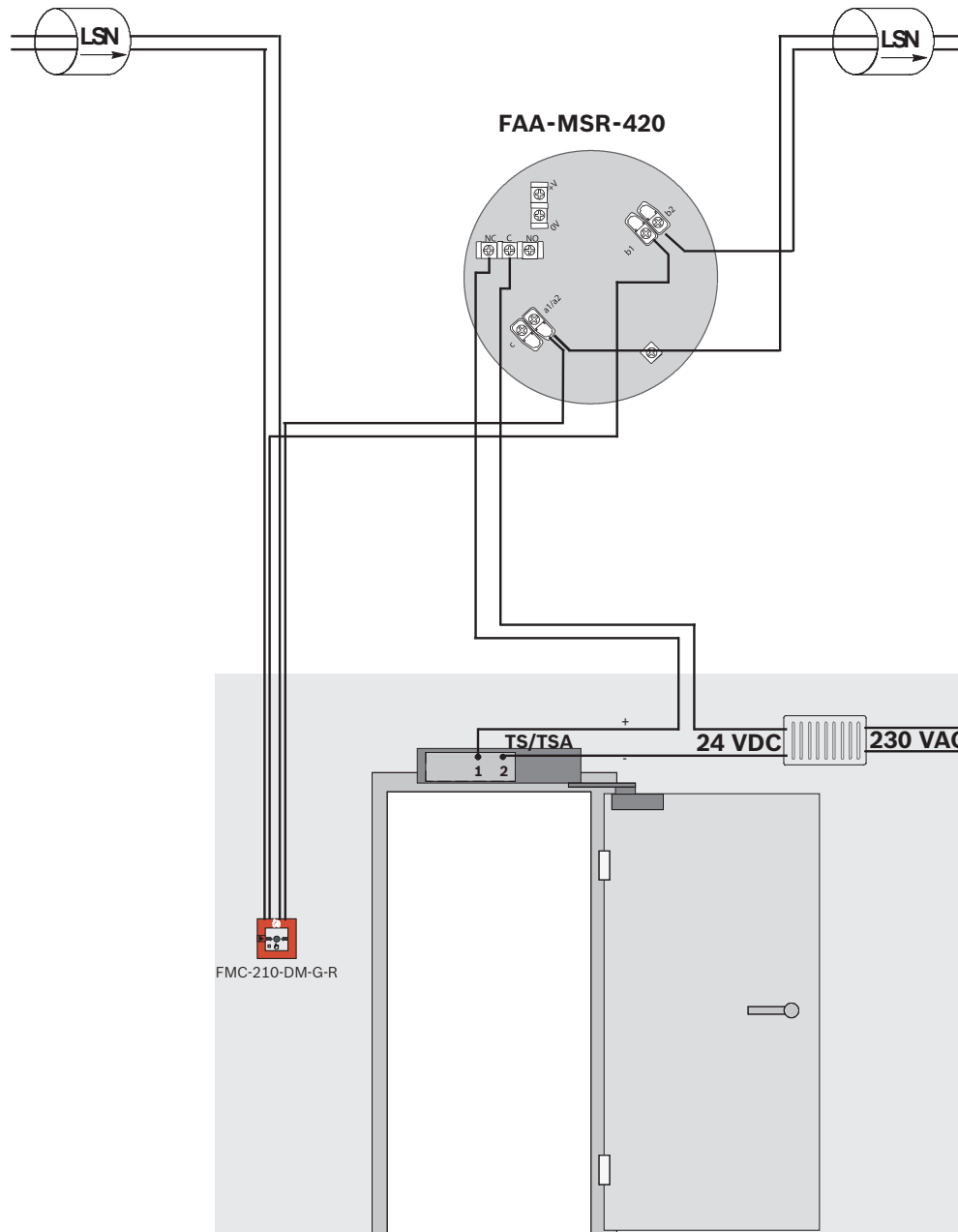
DIBT





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

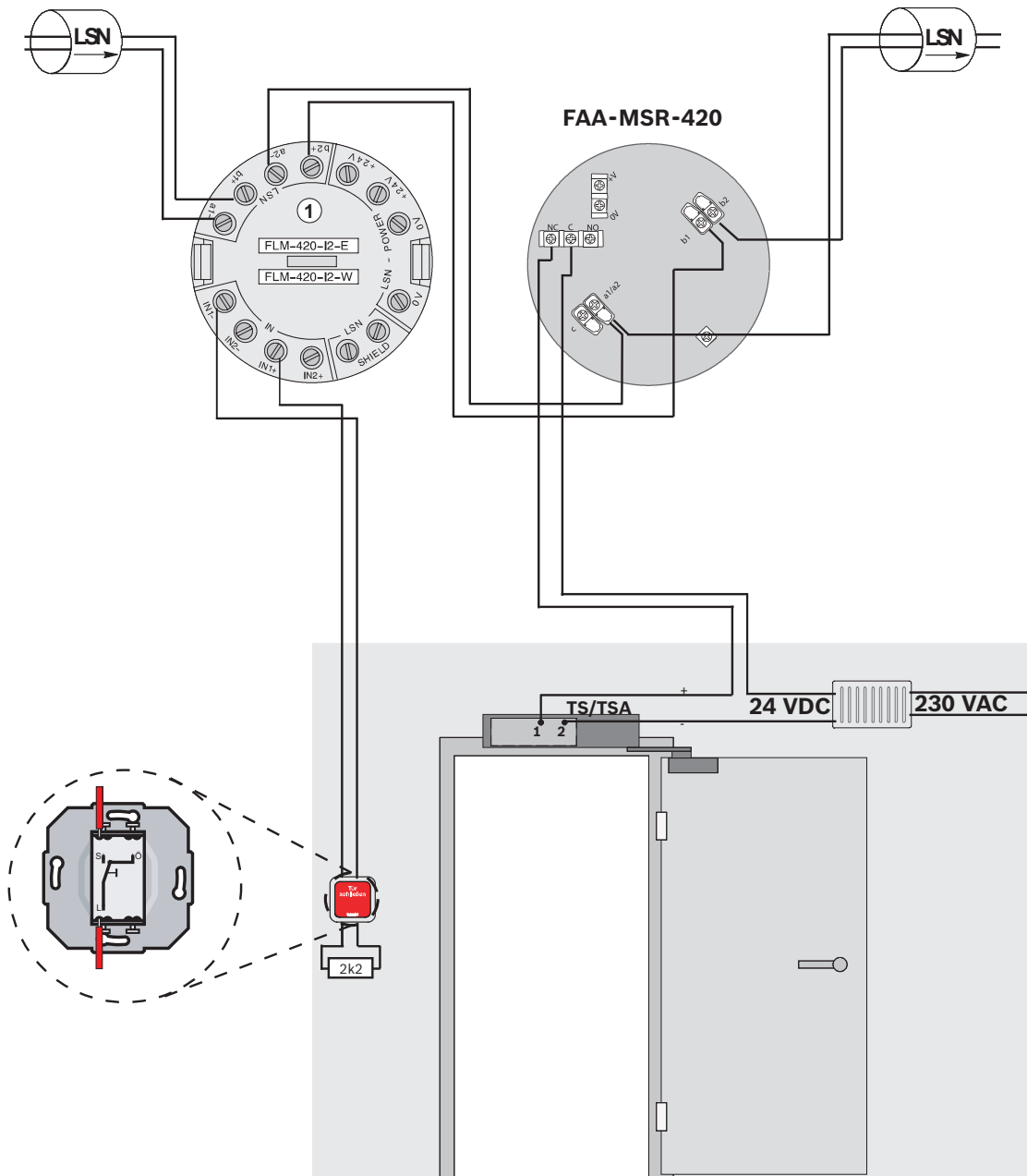
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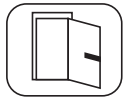




TS 4000 E/E-IS/EFS
 TS 5000 E/E-IS/E-ISM
 TS 550 E
 TSA 160 NT F/F-IS/F-IS/TS

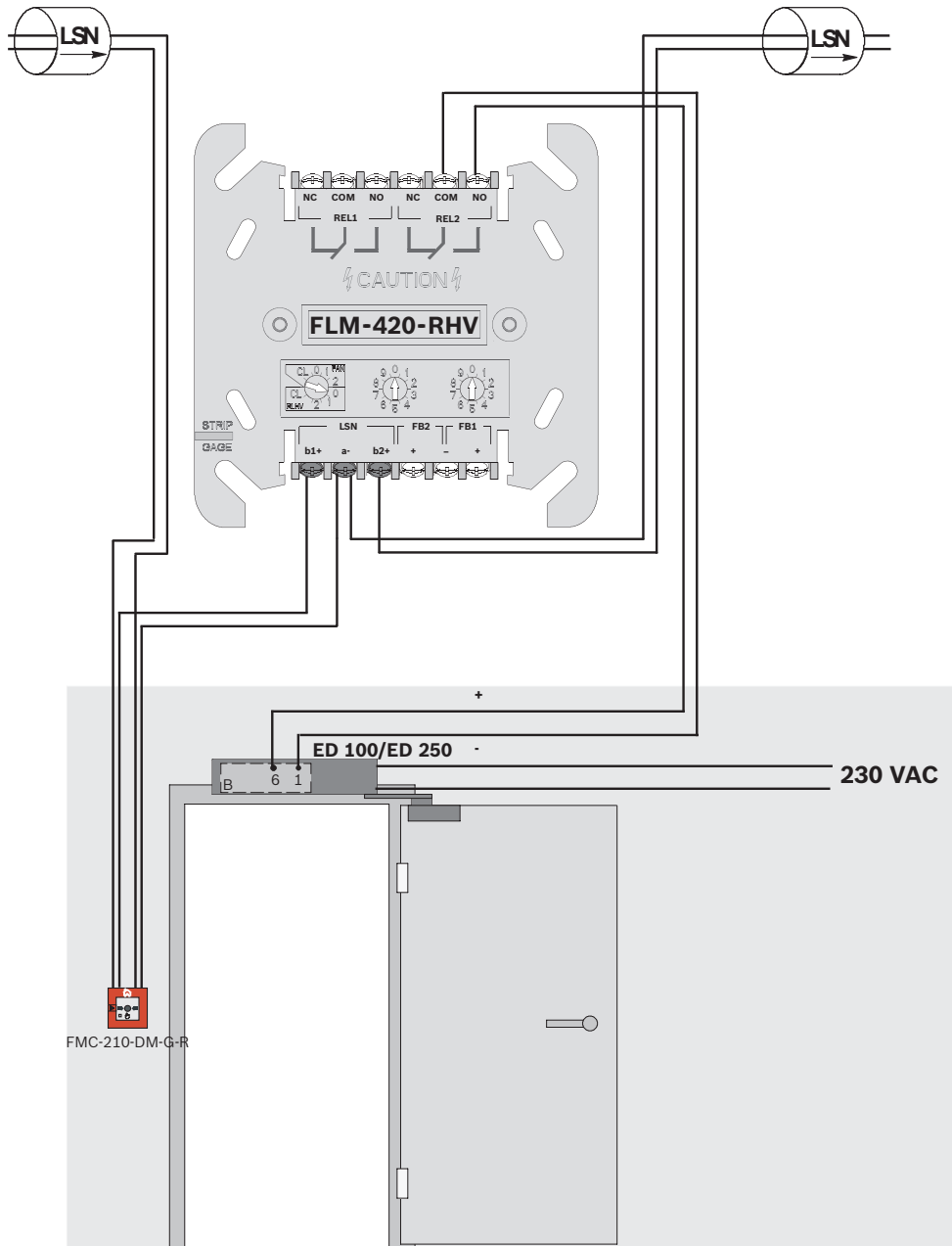
DIBT





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

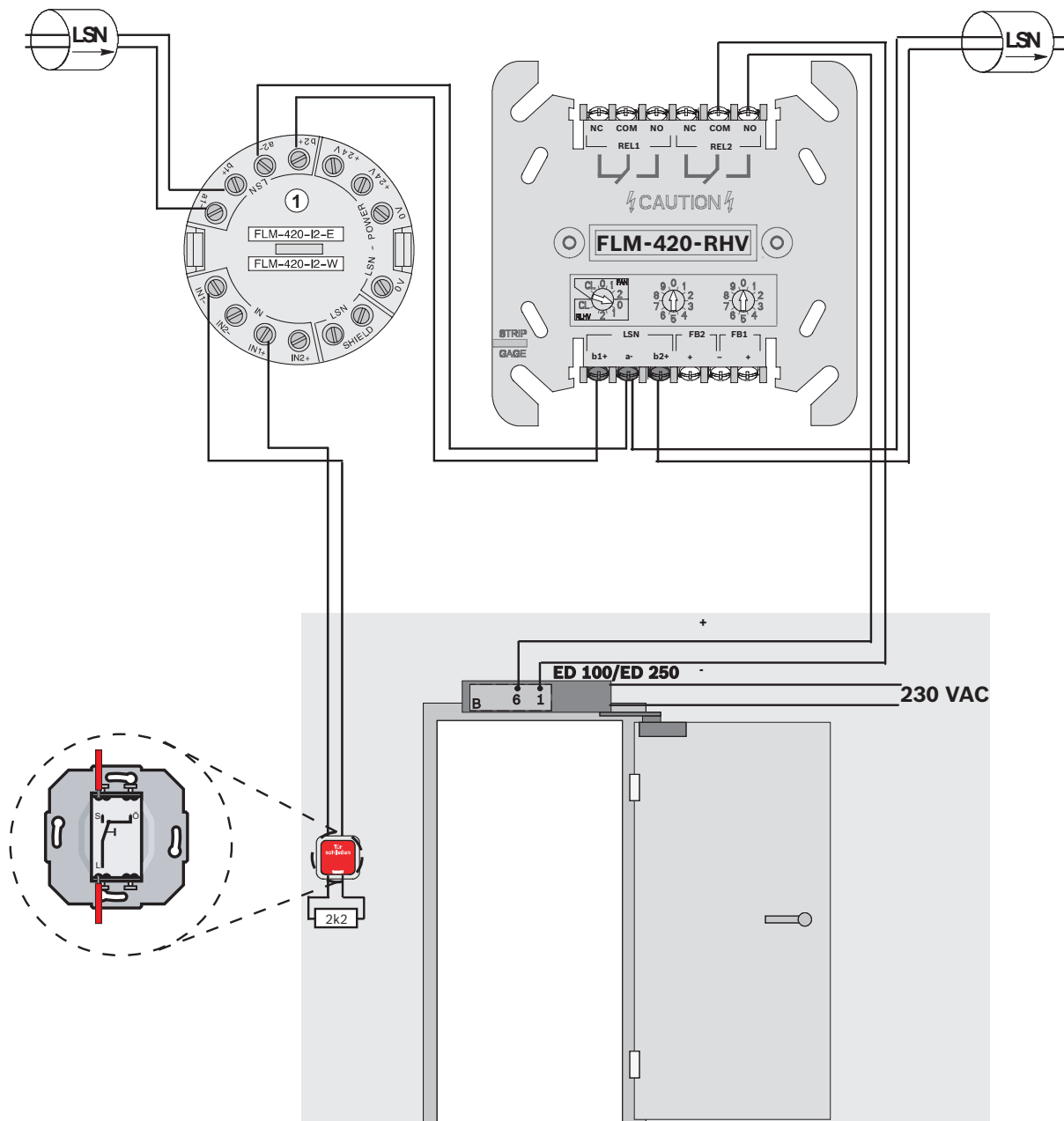
DIBT





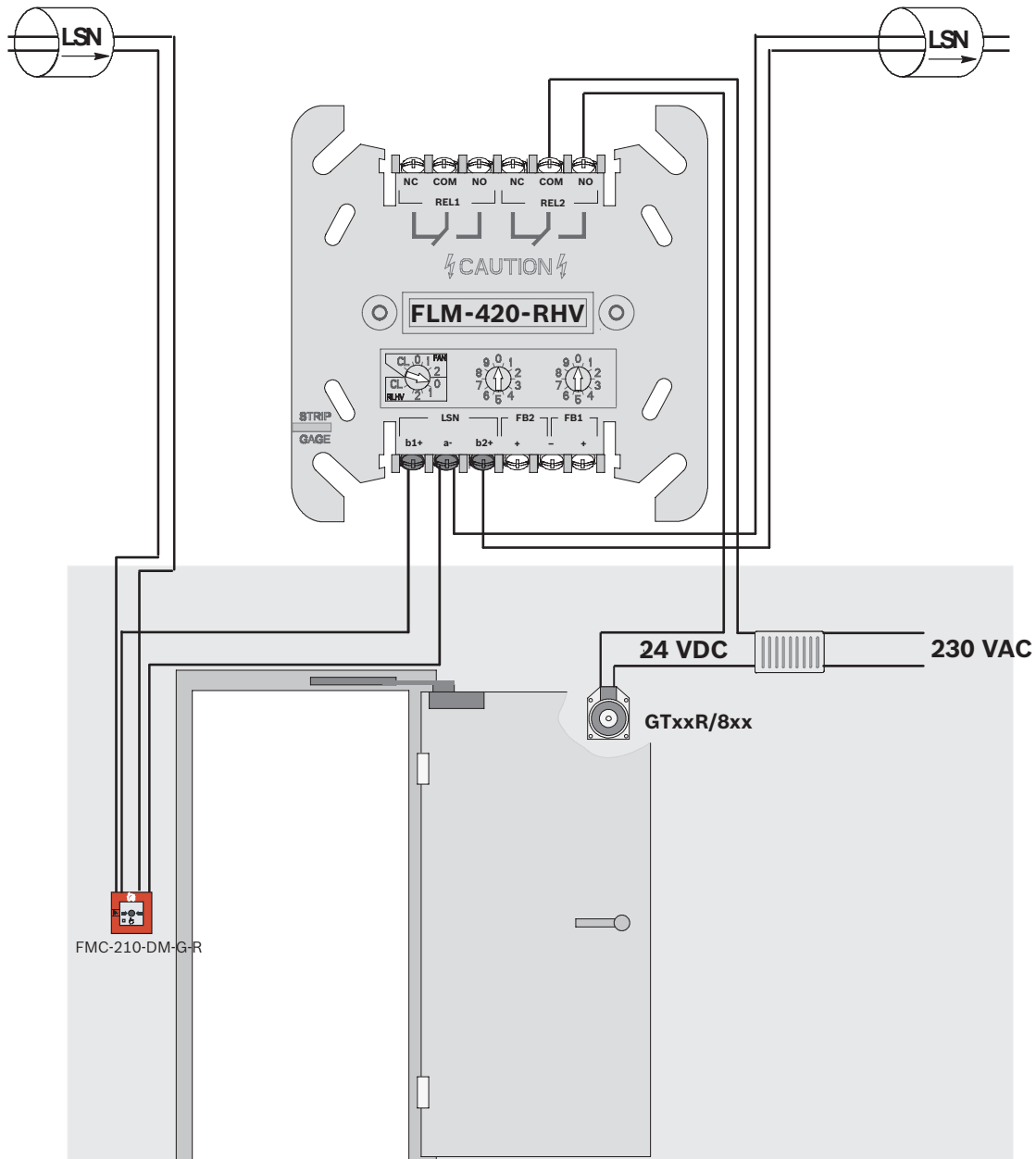
**ED 100
ED 250
(+Upgrade Card B)**

DIBT





DIBT

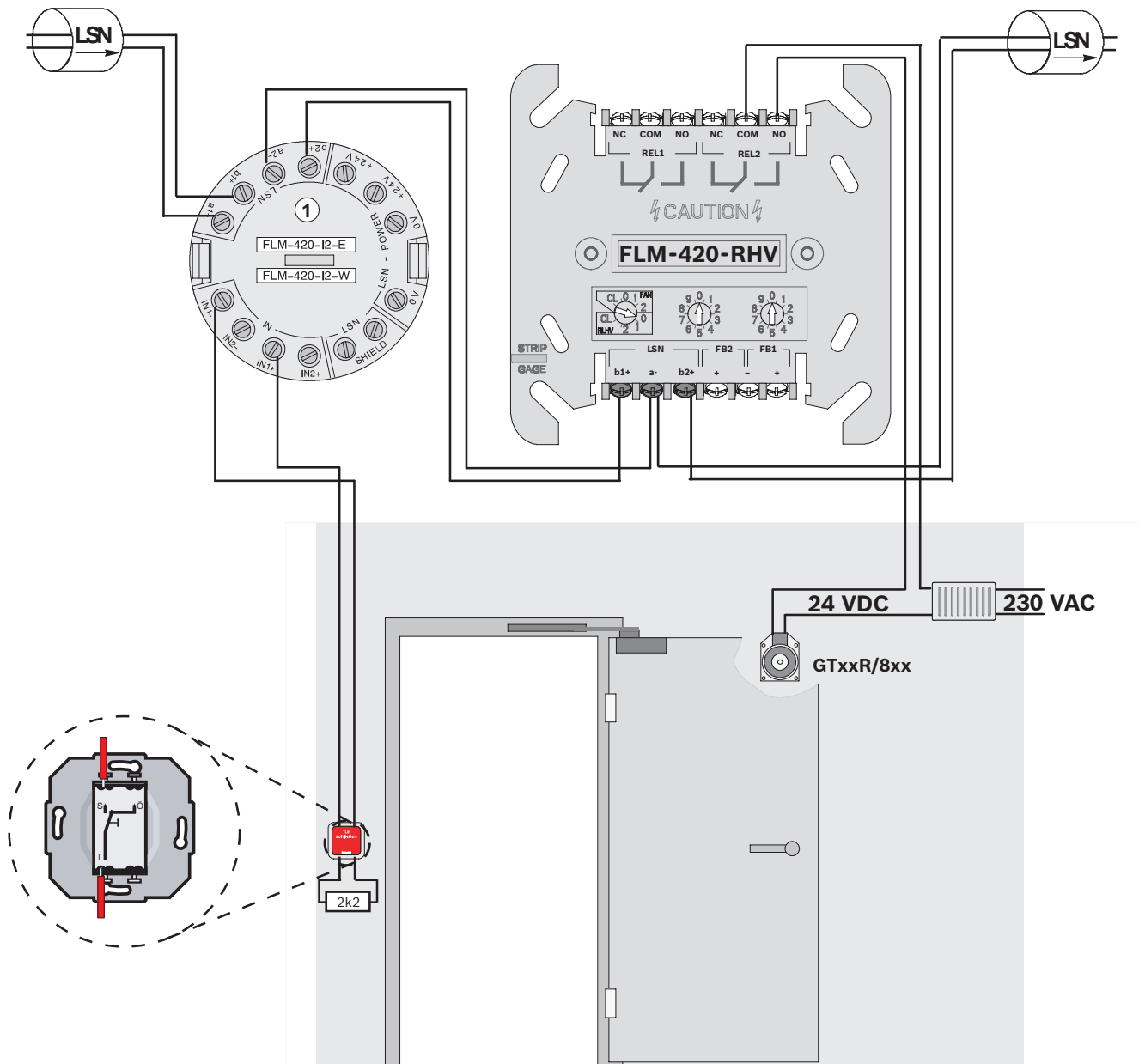


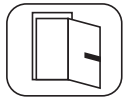


GT xx R

8 xx

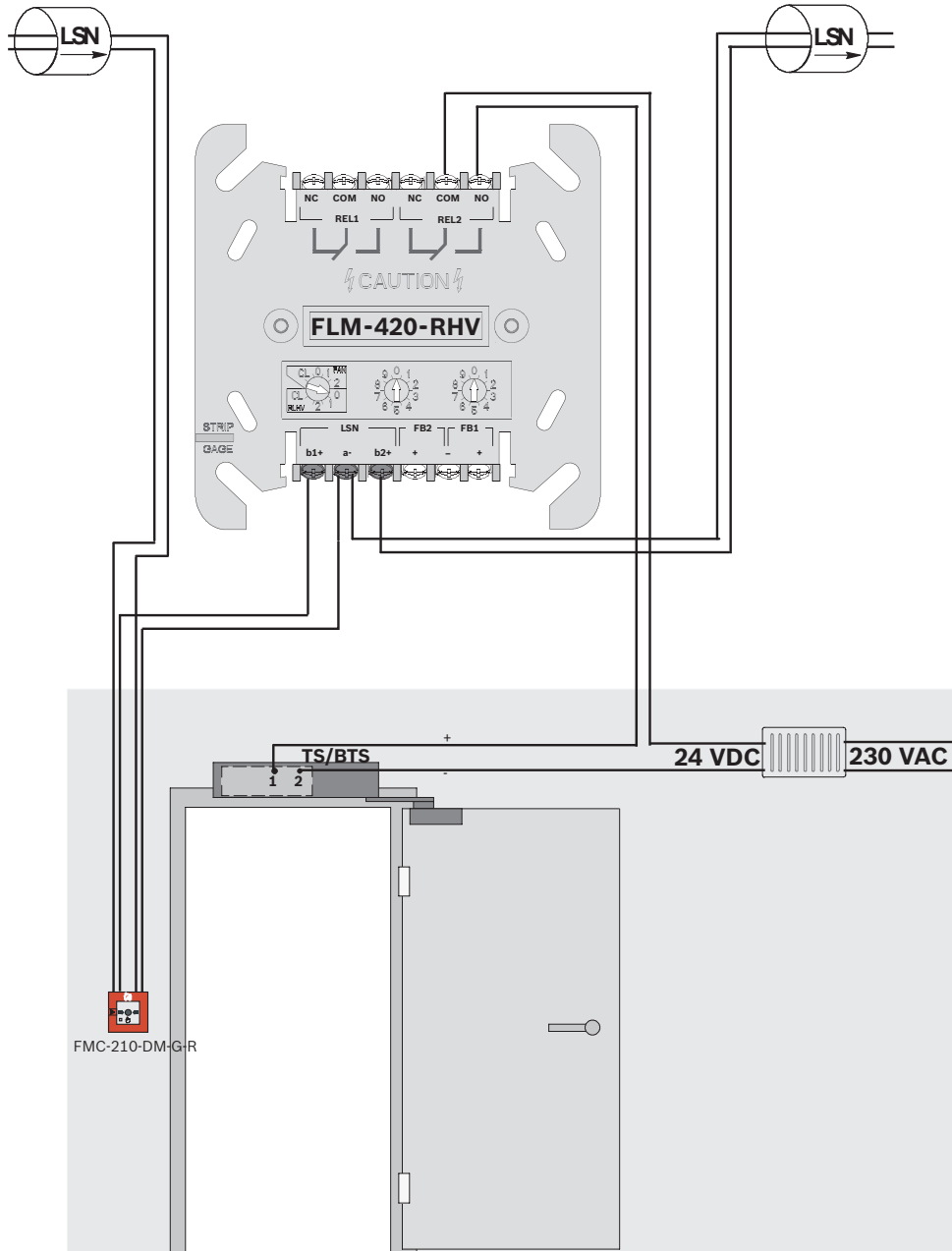
DIBT





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

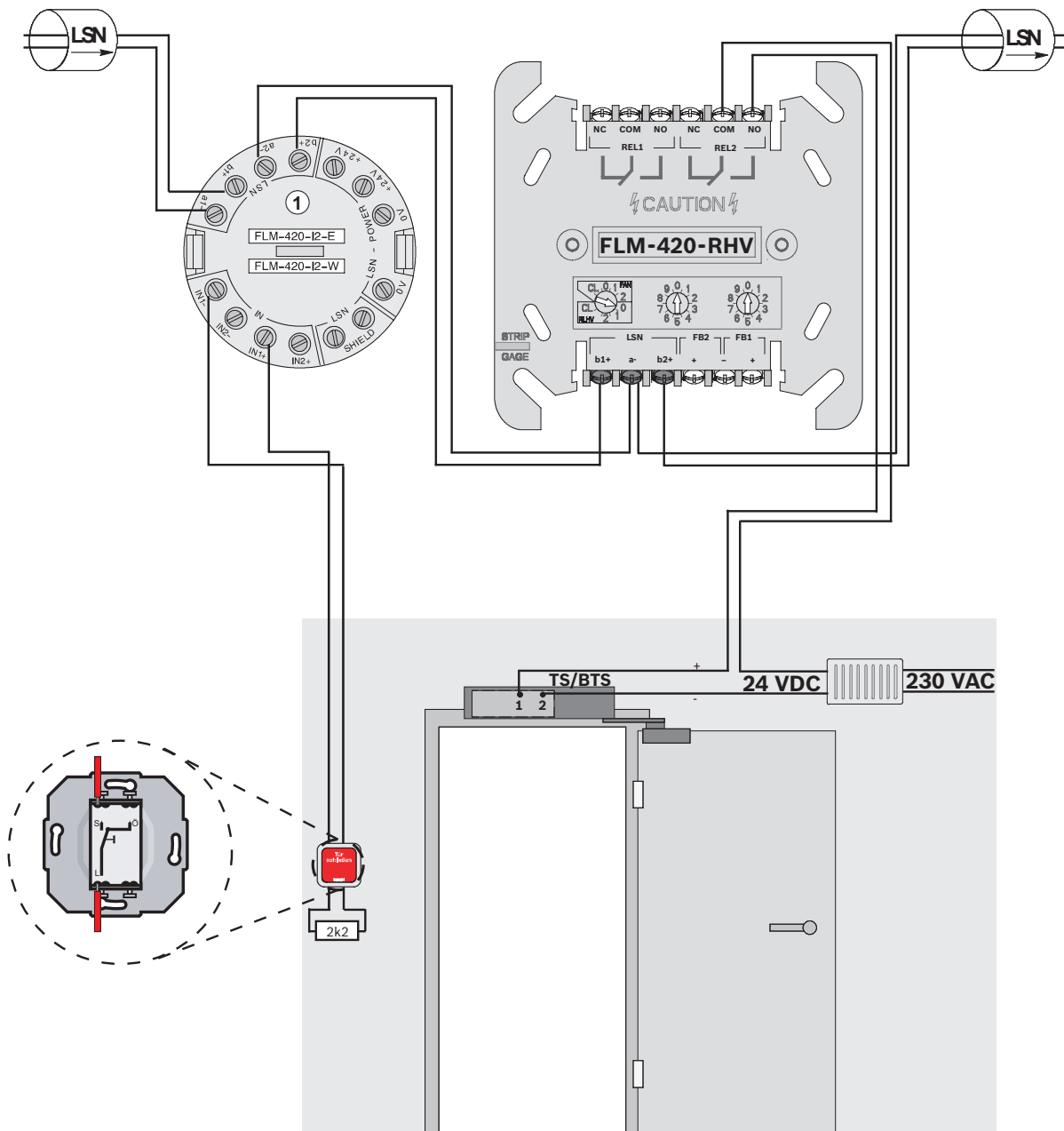
DIBT





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

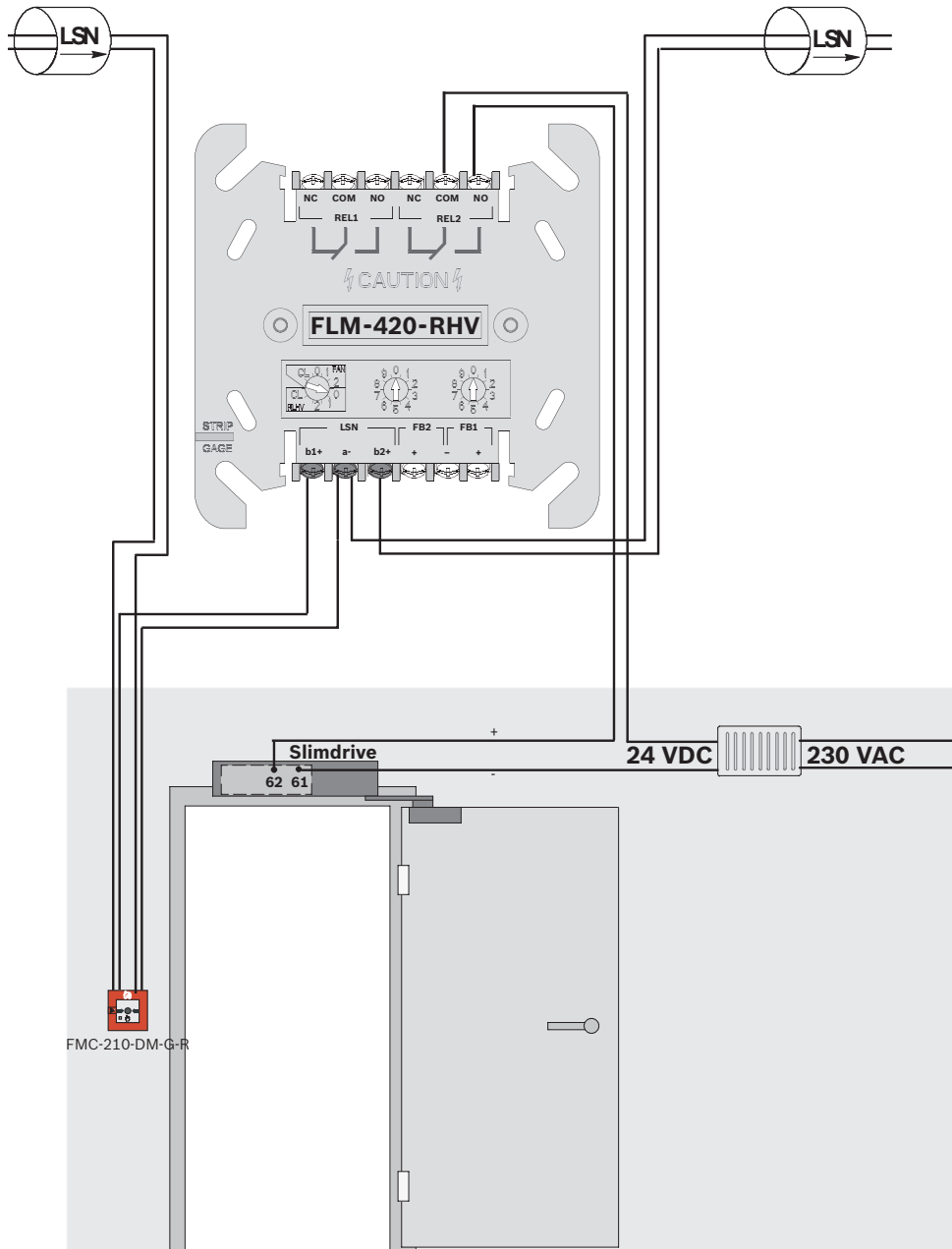
DIBT





Slimdrive EMD-F/EMD F-IS

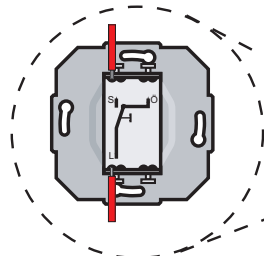
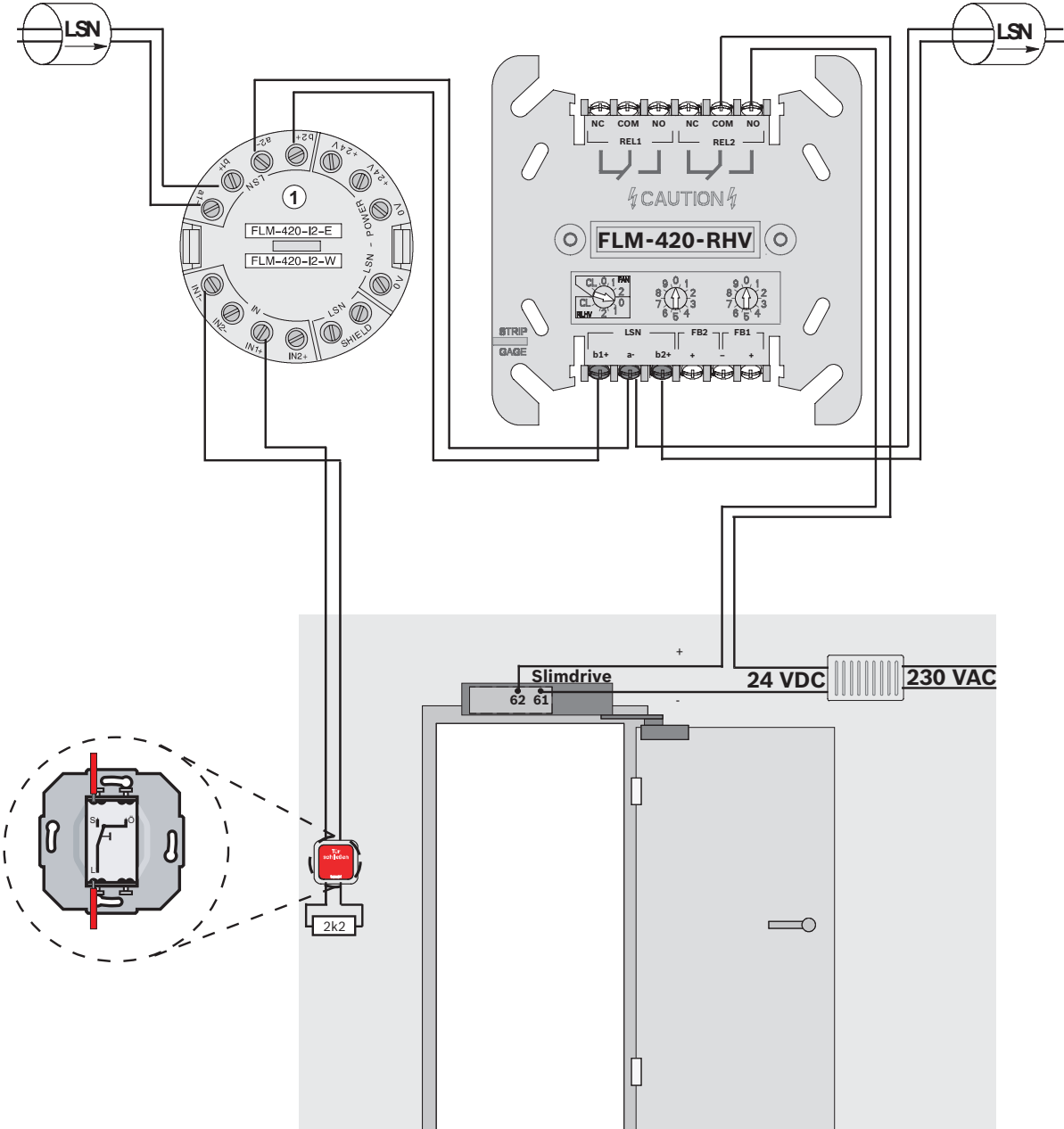
DIBT

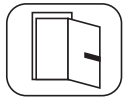




Slimdrive EMD-F/EMD F-IS

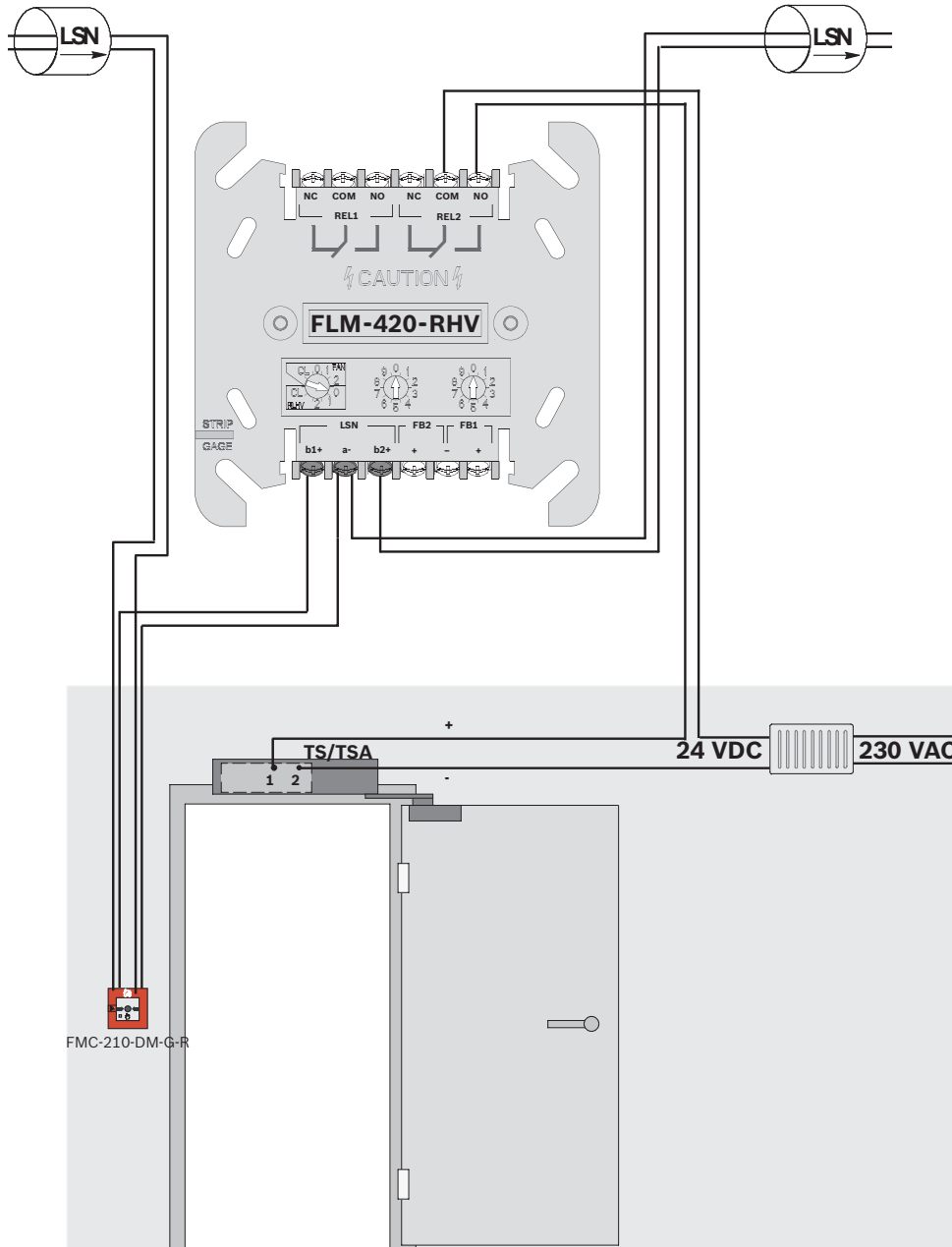
DIBT

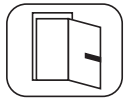




TS 4000 E/E-IS/EFS
 TS 5000 E/E-IS/E-ISM
 TS 550 E
 TSA 160 NT F/F-IS/F-IS/TS

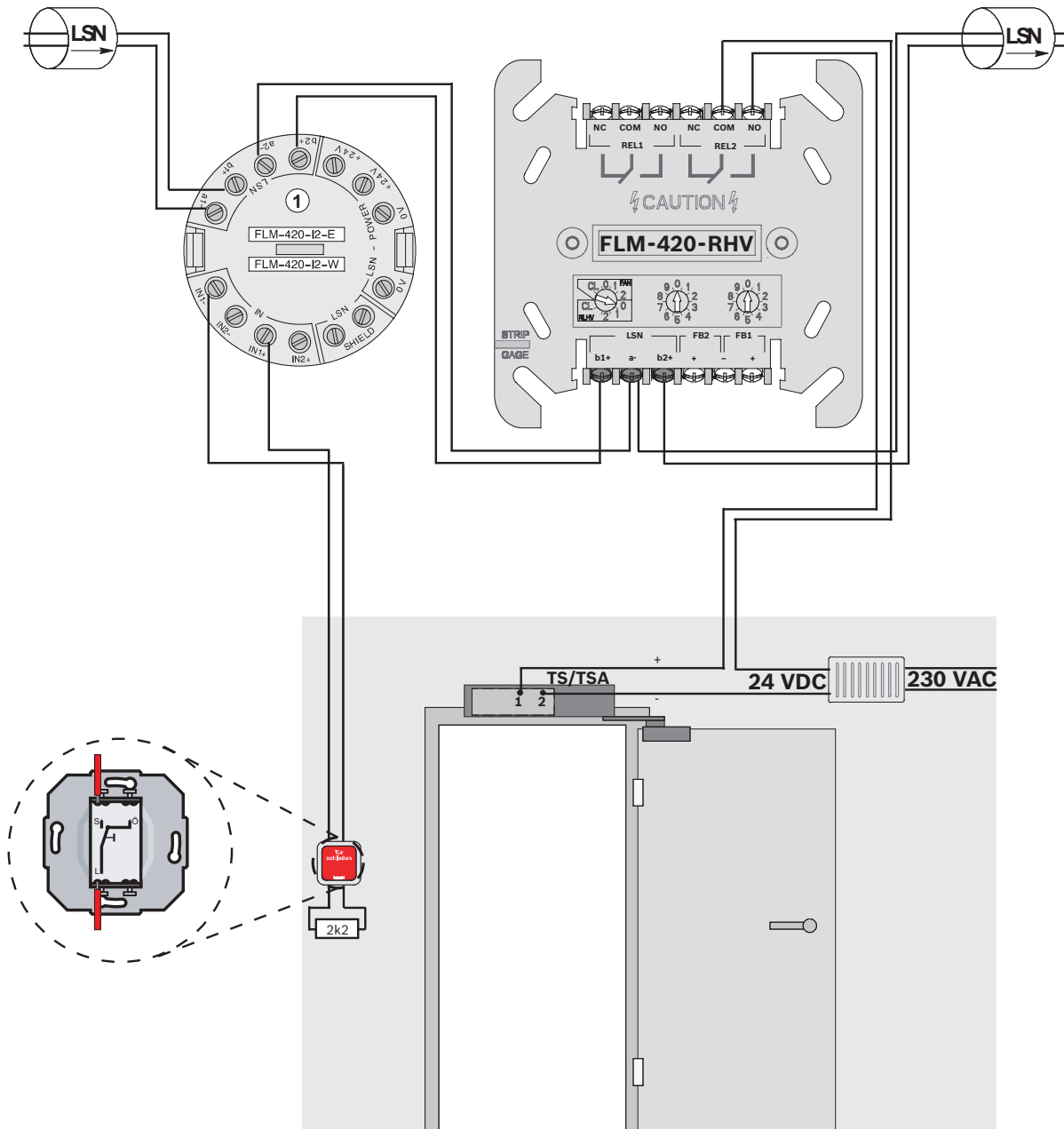
DIBT

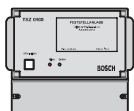




TS 4000 E/E-IS/EFS
TS 5000 E/E-IS/E-ISM
TS 550 E
TSA 160 NT F/F-IS/F-IS/TS

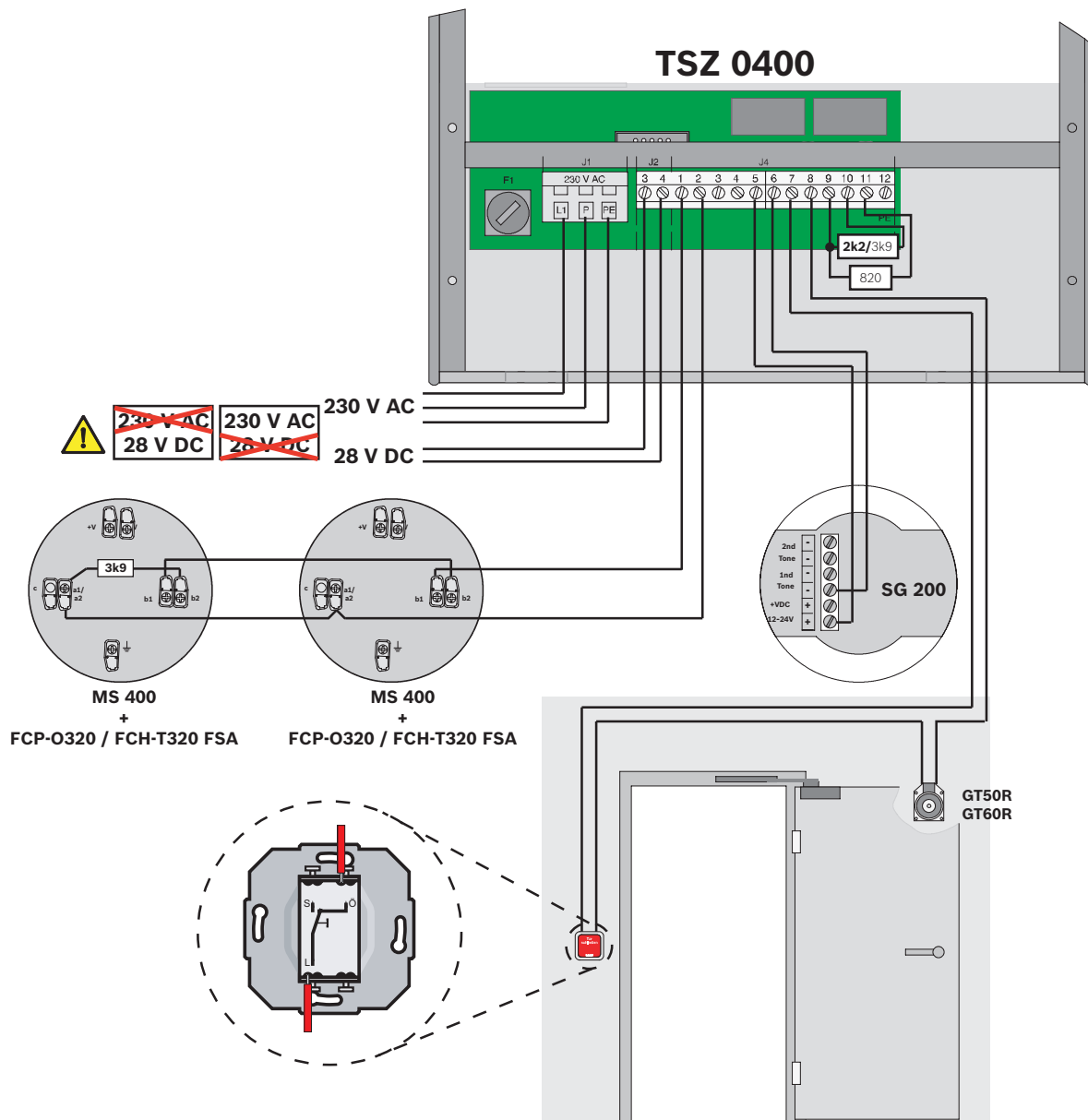
DIBT

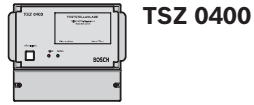
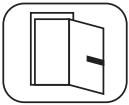




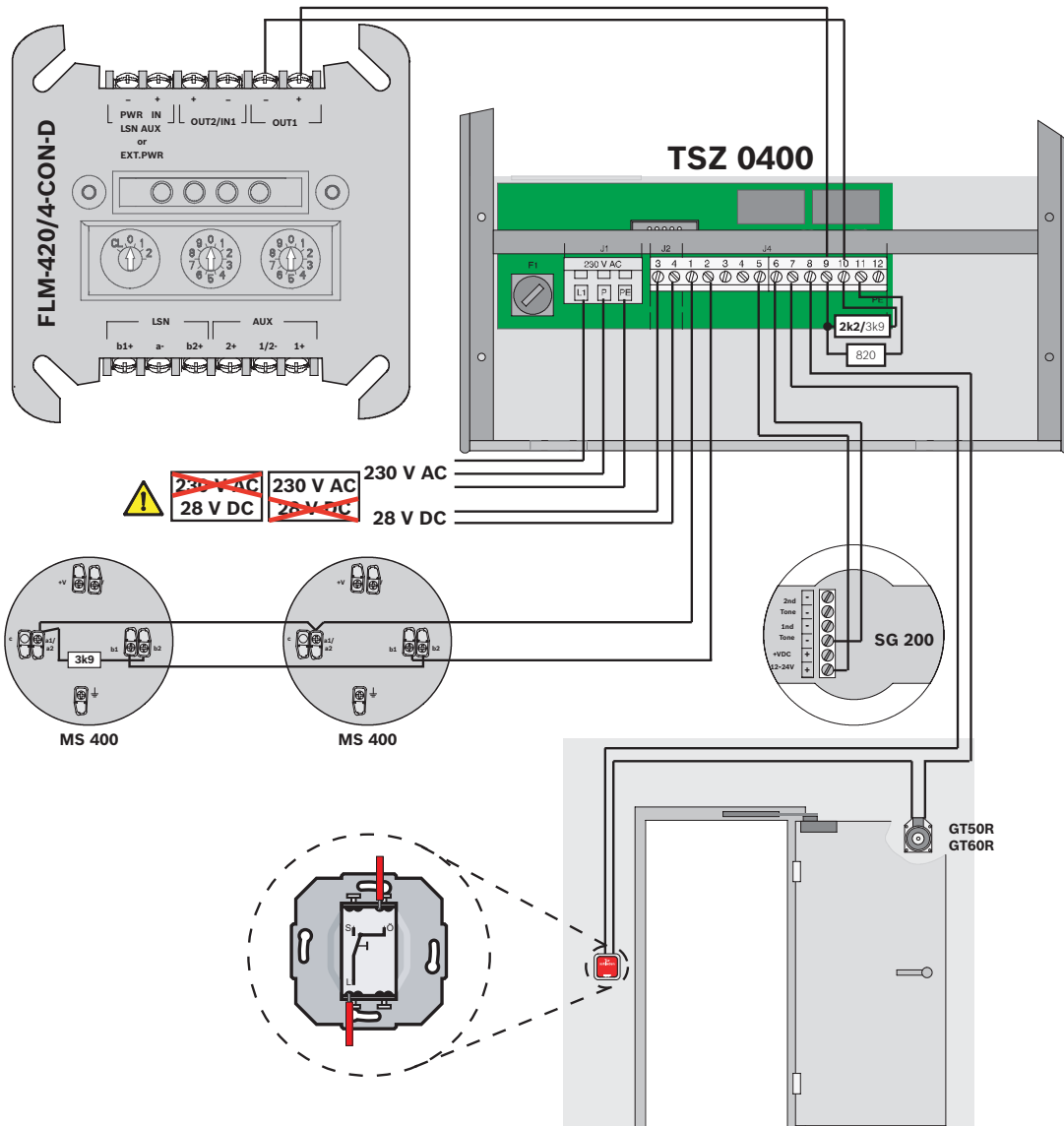
TSZ 0400

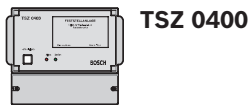
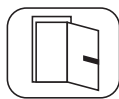
DIBT



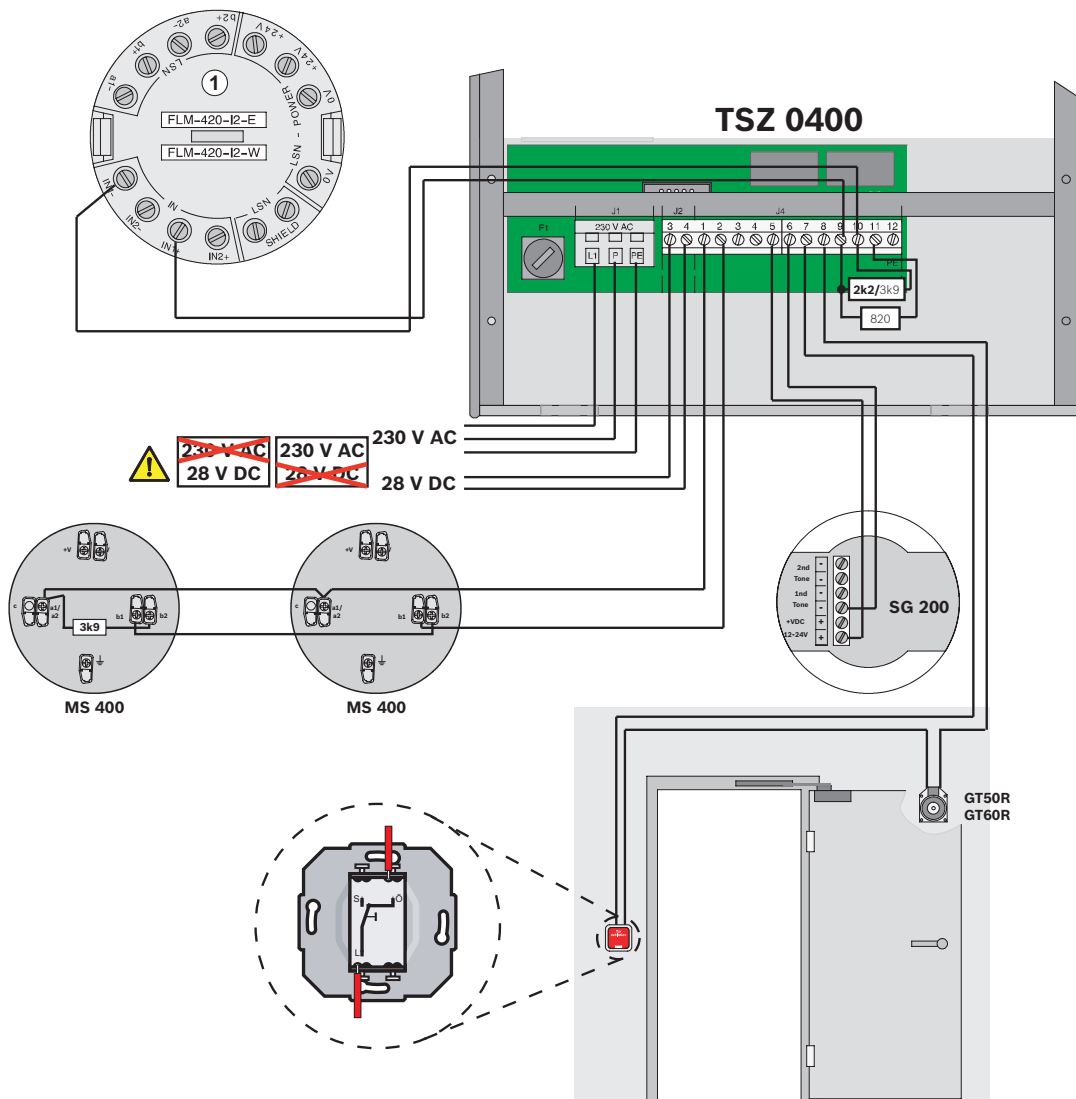


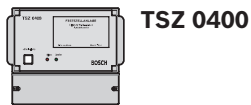
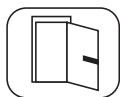
DIBT



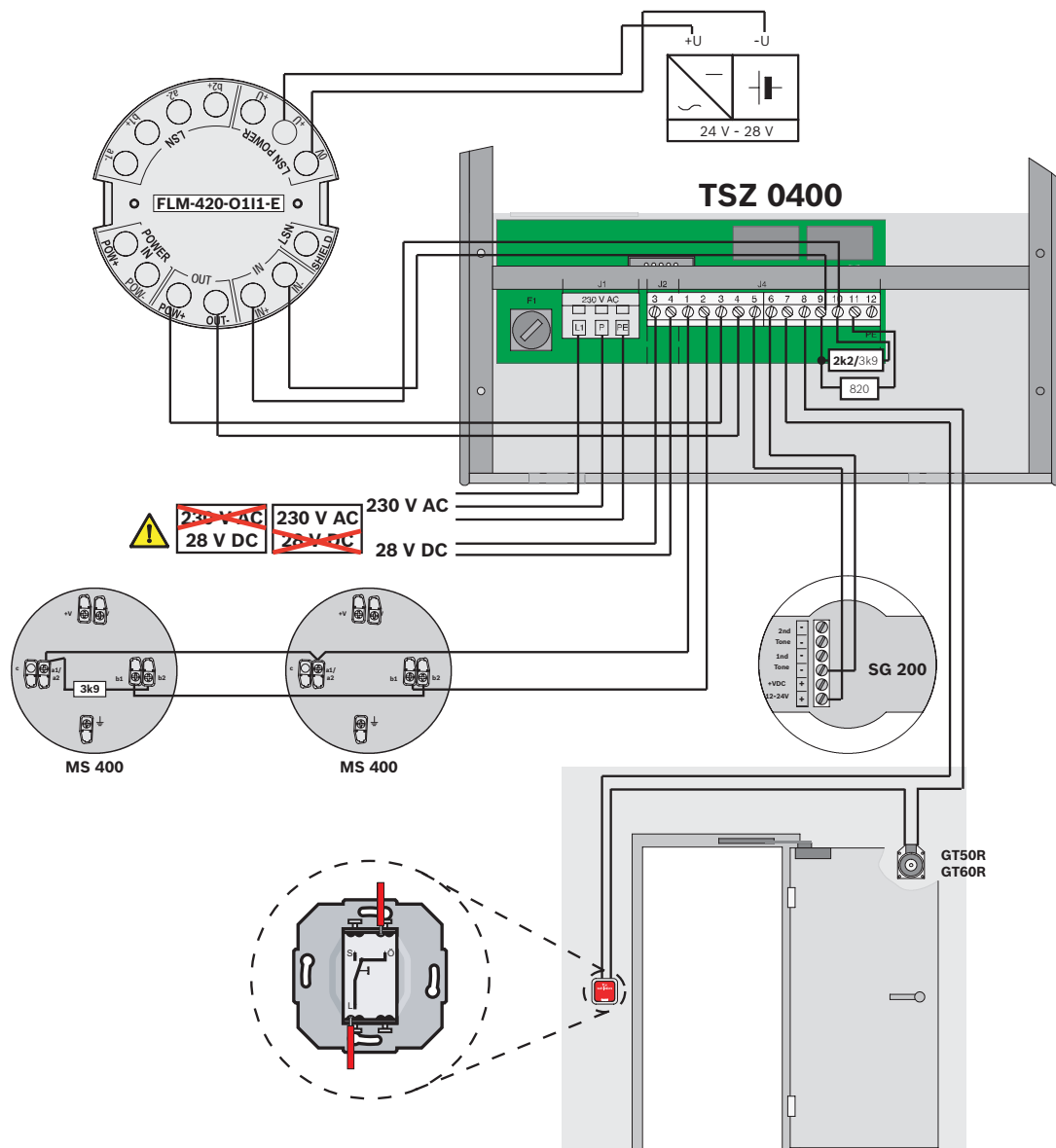


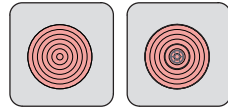
DIBT



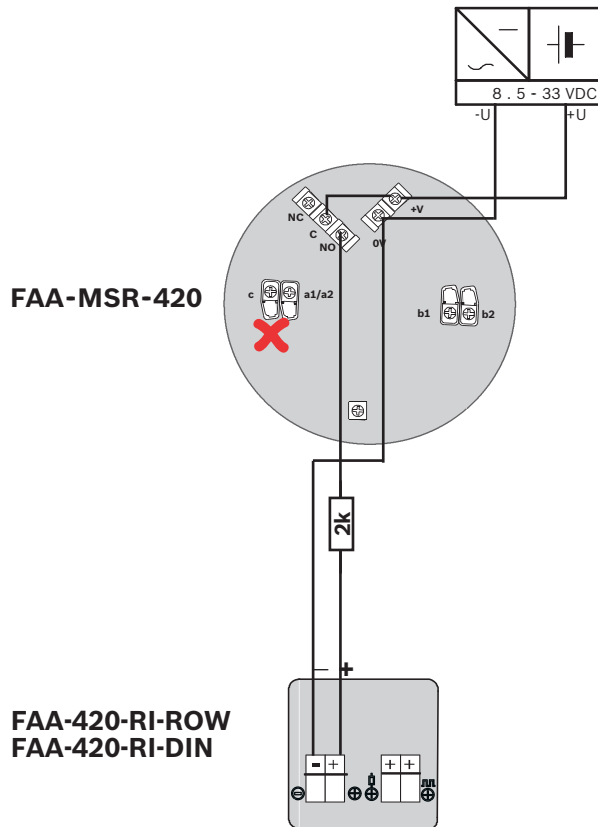
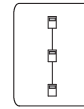


DIBT



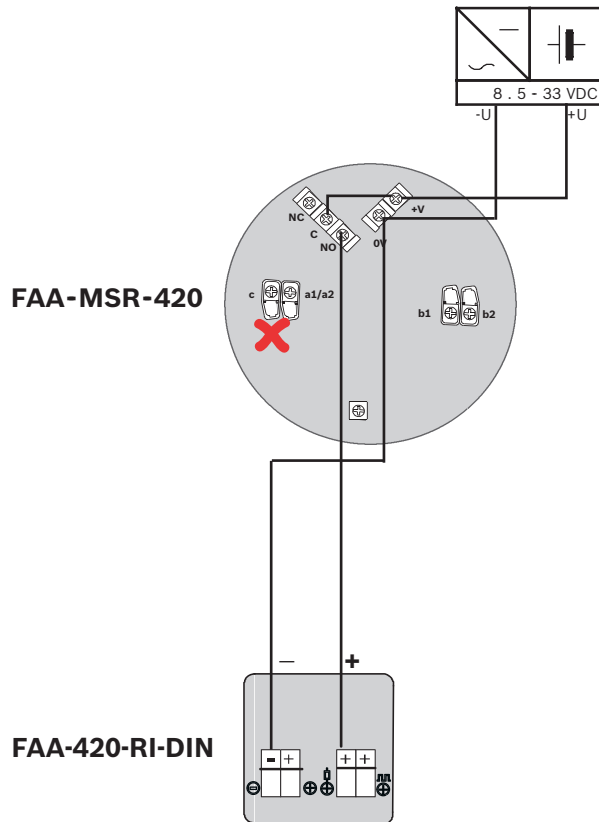
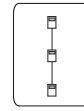


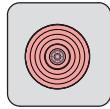
FAA-420-RI-ROW
FAA-420-RI-DIN



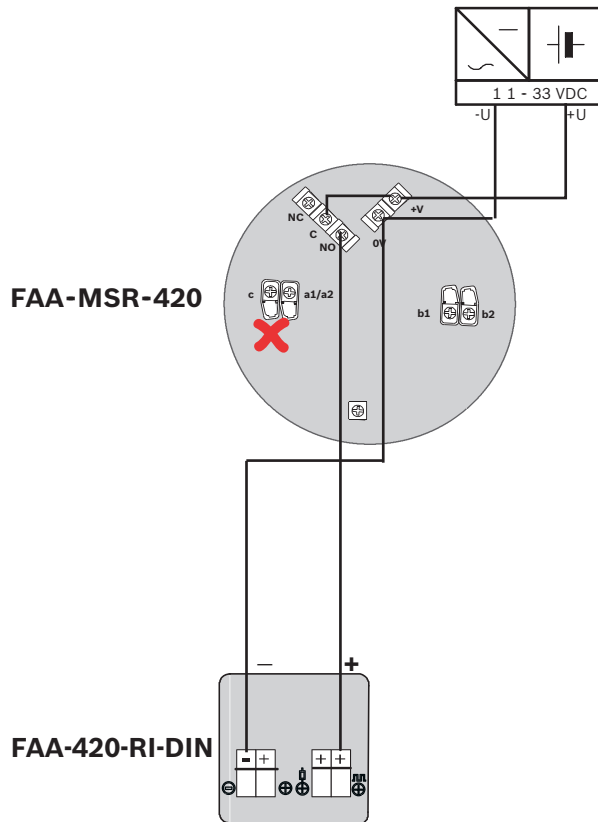
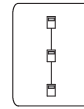


FAA-420-RI-DIN





FAA-420-RI-DIN



2.4 Functional Modules



BCM-000-B, oldal 43

CZM 0004 A, oldal 45

ENO 0000 A/B, oldal 61

LSN 0300 A, oldal 68

NZM 0002 A, oldal 106

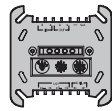
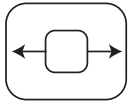
RMH 0002 A, oldal 119

IOS 0020 A, oldal 120

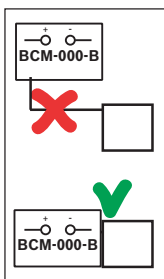
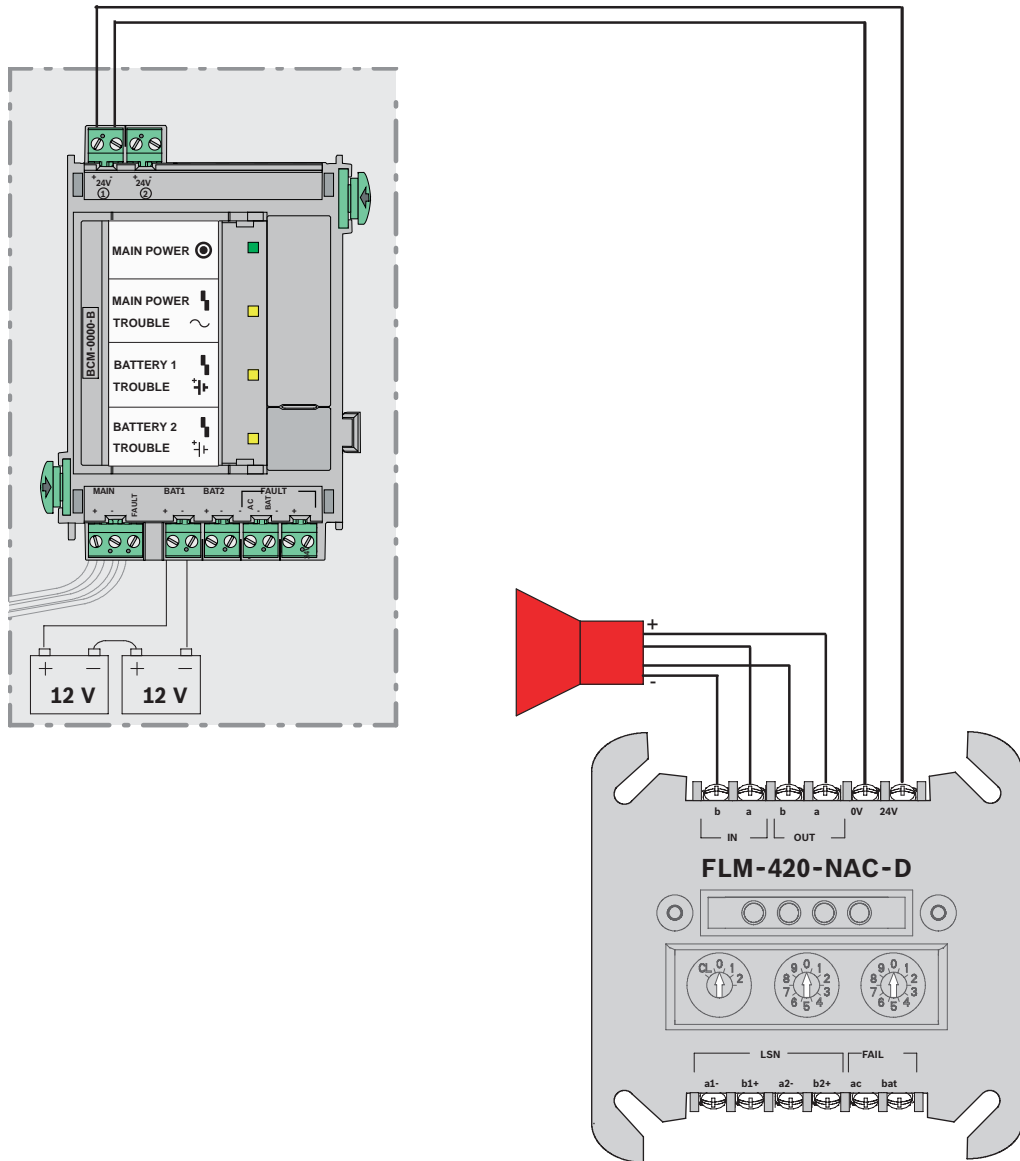
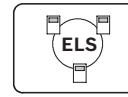
FPE-5000-UGM, oldal 122

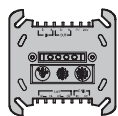
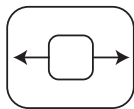
2.4.1

BCM-000-B

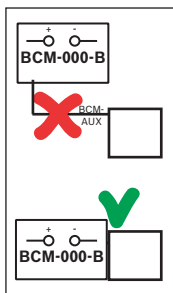
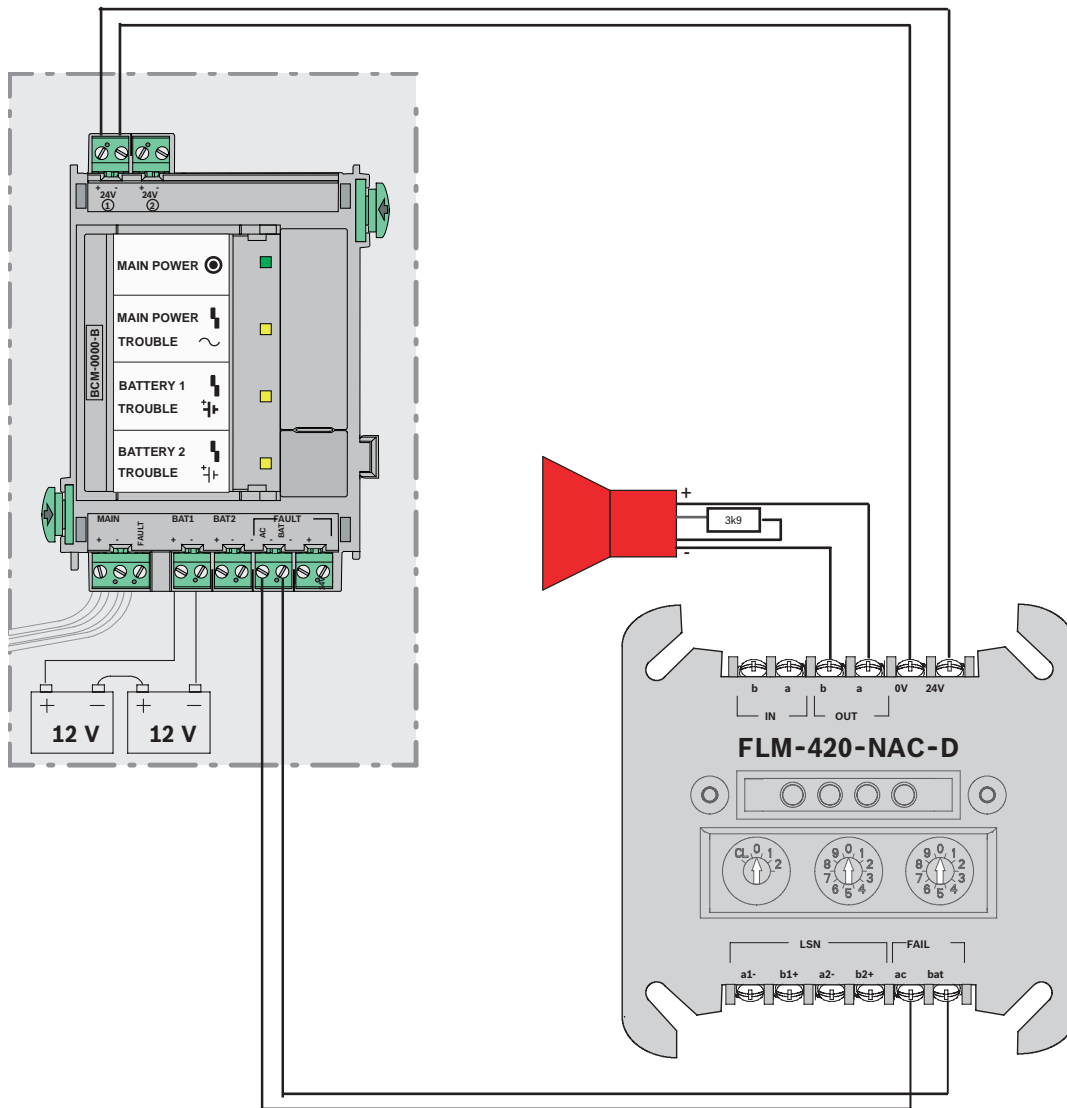
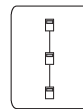


FLM-420-NAC-D





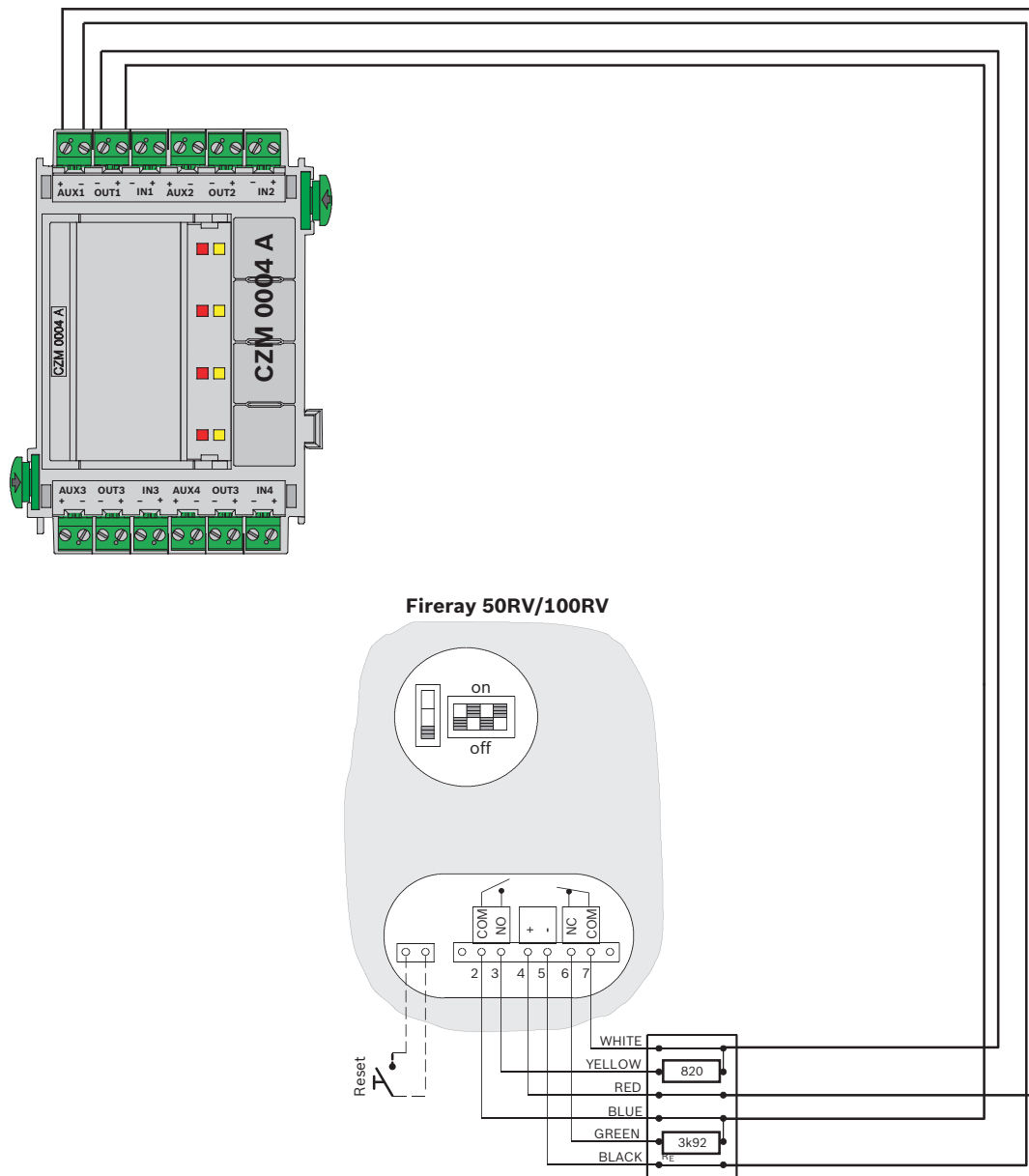
FLM-420-NAC-D

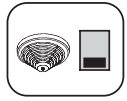


2.4.2 CZM 0004 A



Firearay 50RV
Firearay 100RV



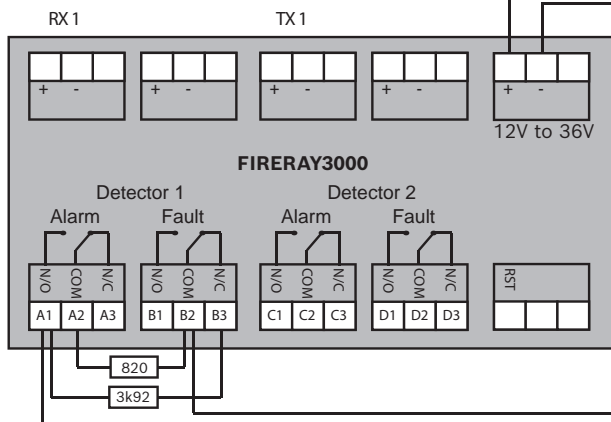
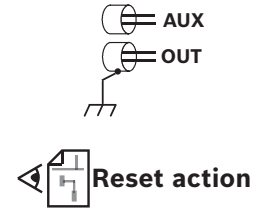
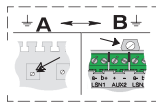
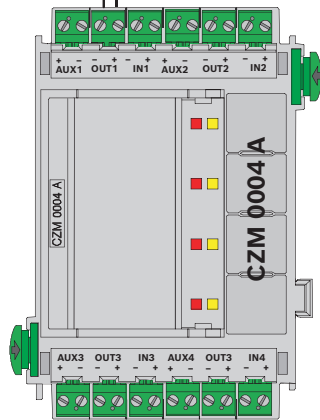


FIRERAY3000

1 x



BCM-0000-B
LSN 0300 A
LSN 1500 A

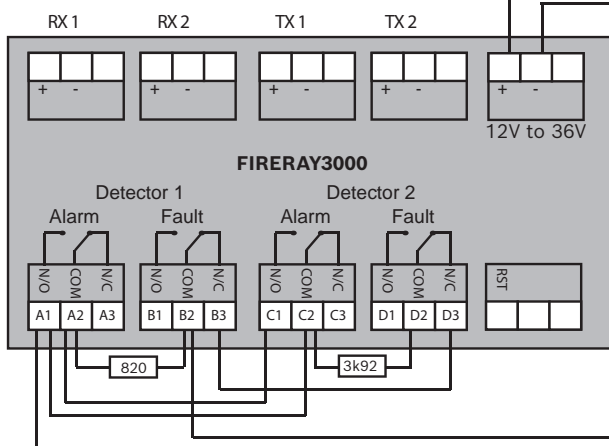
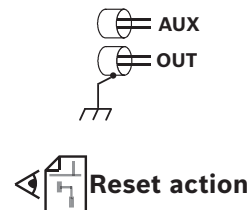
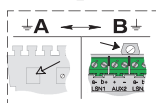
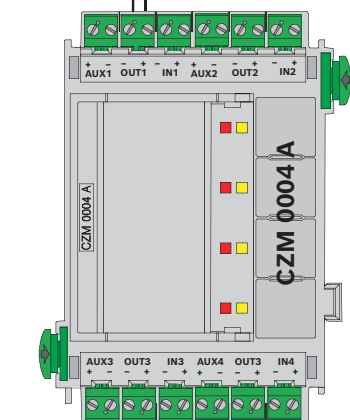




FIRERAY3000
2 x  **OUT1**



BCM-000-B
LSN 0300 A
LSN 1500 A

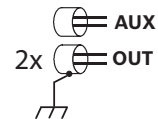
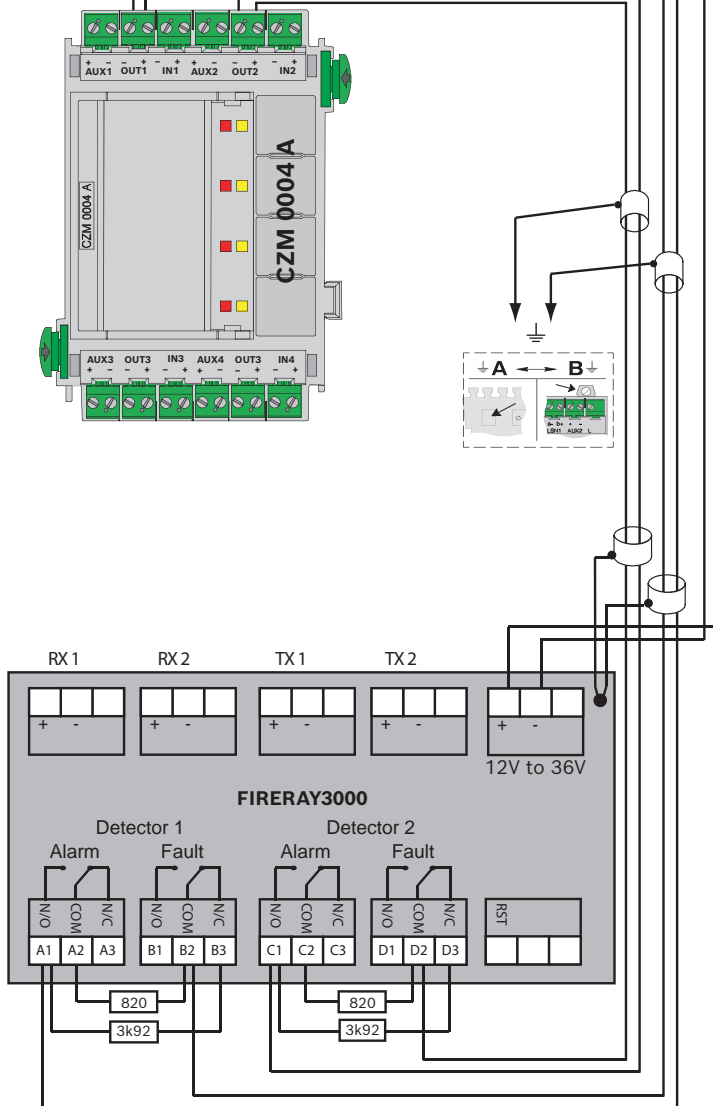




FIRERAY3000
2 x **OUT1+2**



BCM-0000-B
LSN 0300 A
LSN 1500 A



Reset action

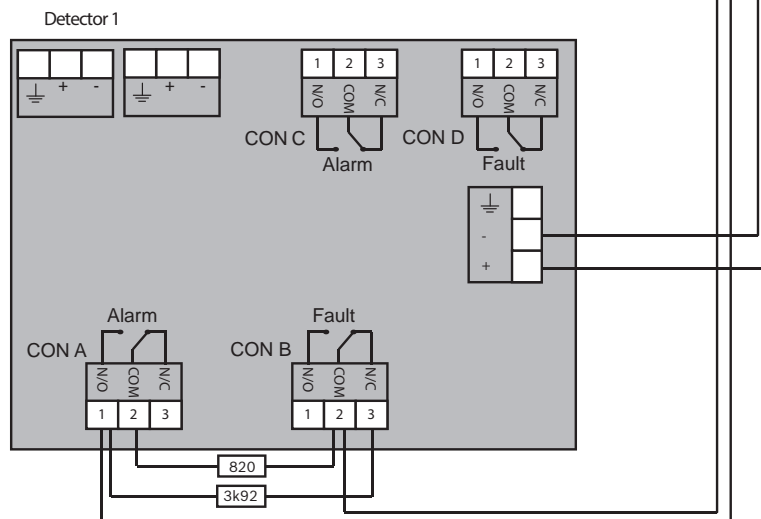
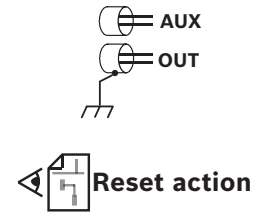
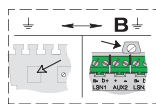
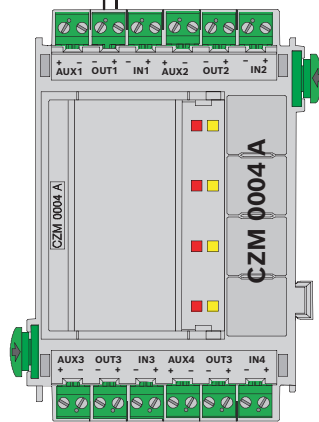


FIRERAY5000

1 x



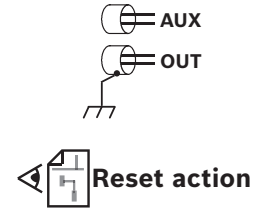
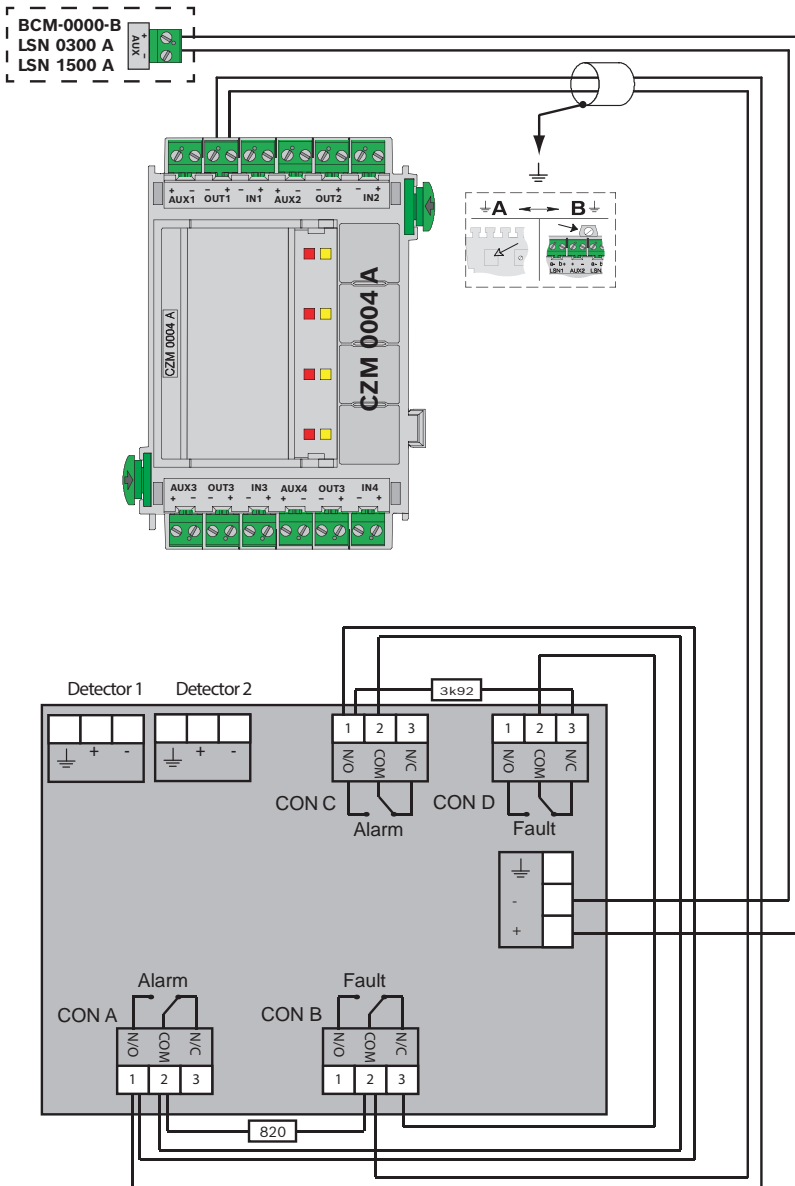
BCM-0000-B
LSN 0300 A
LSN 1500 A

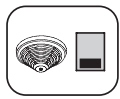




FIRERAY5000

2 x OUT1

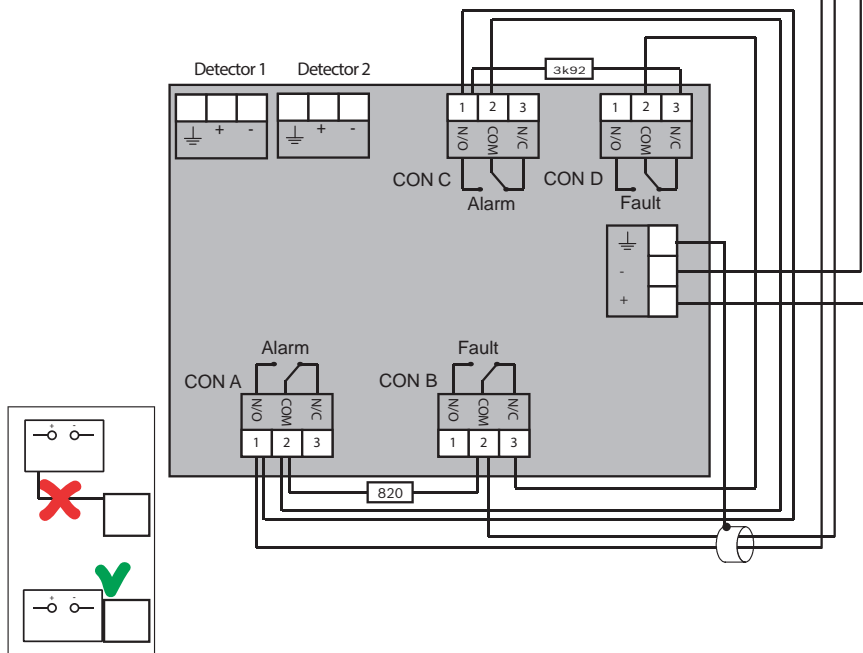
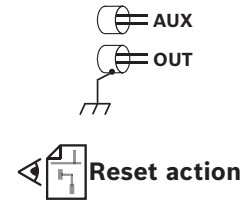
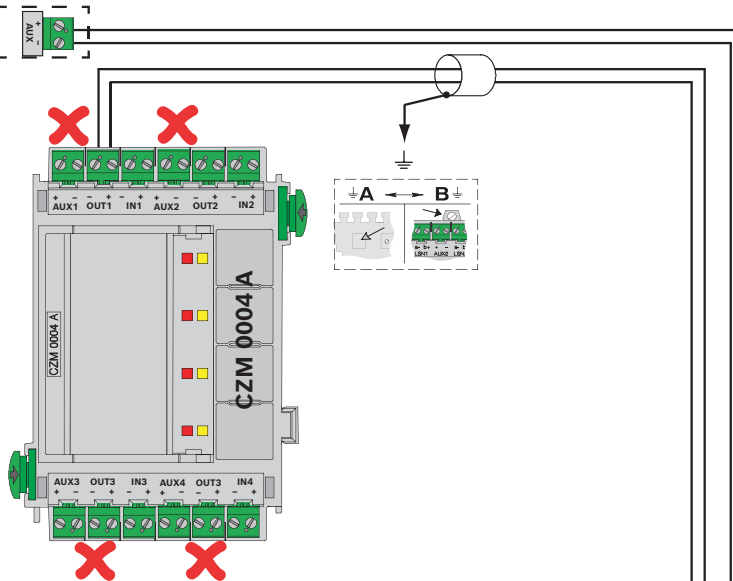


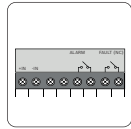


FIRERAY5000
2 x  **OUT1**

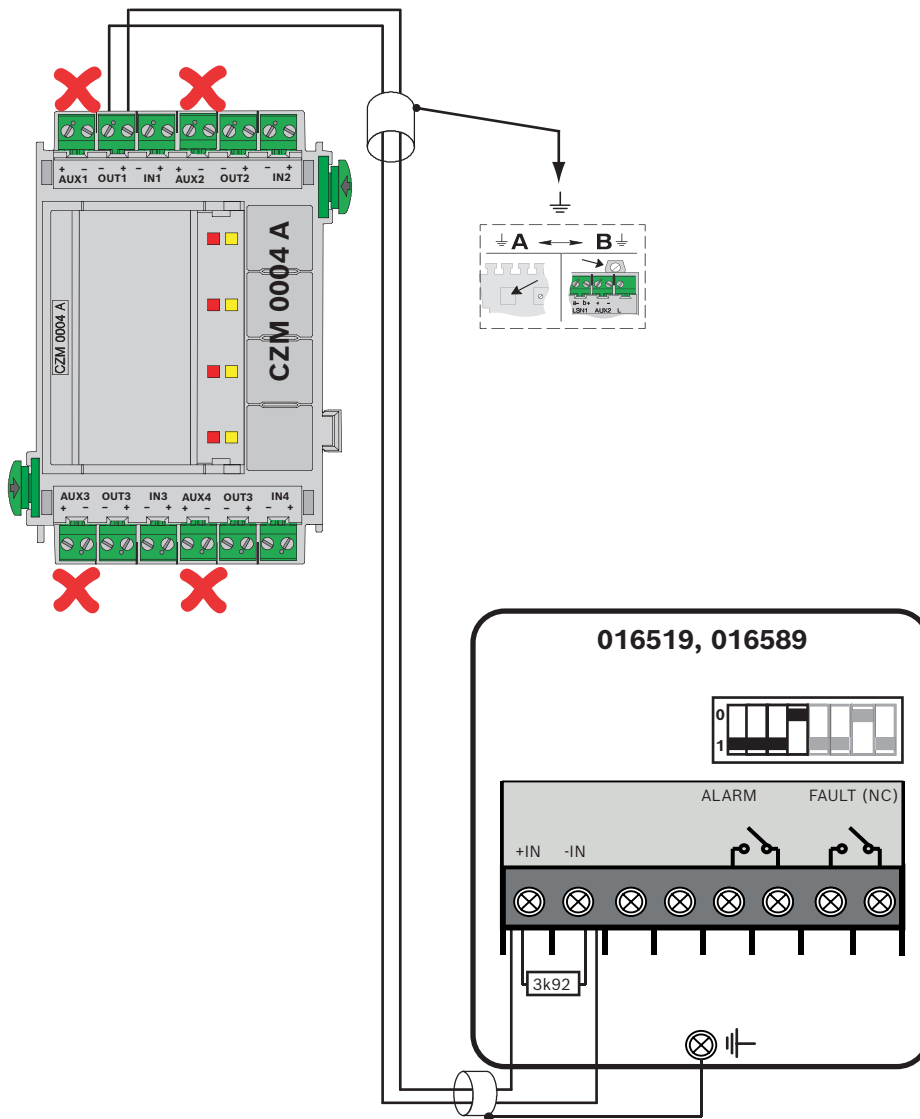
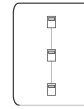


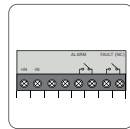
I FPP-3000



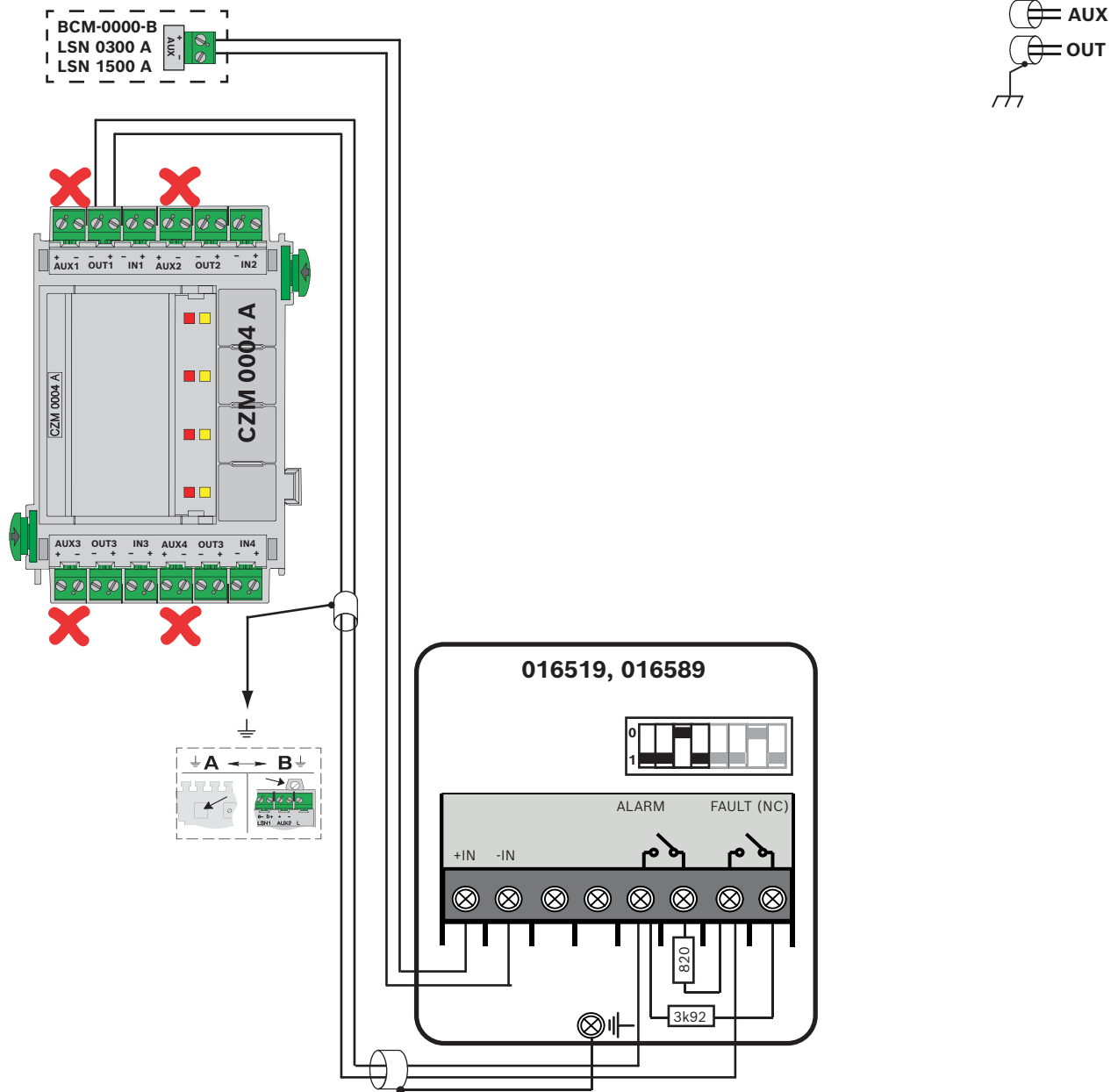
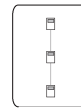


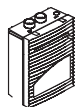
**016519, 016589
IR3 Flame Detector**



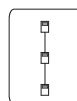


**016519, 016589
IR3 Flame Detector**

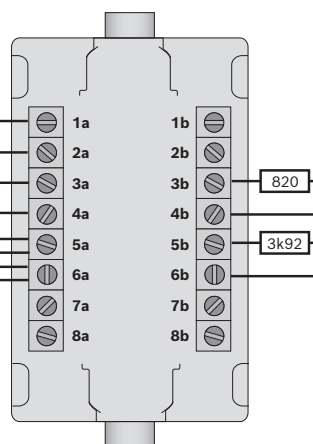
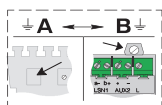
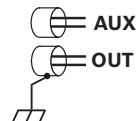
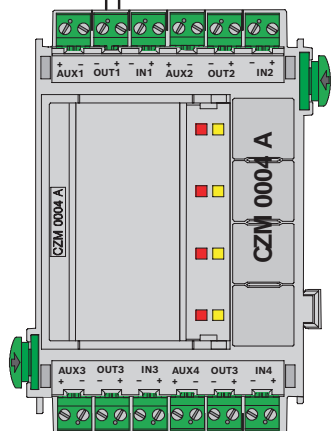


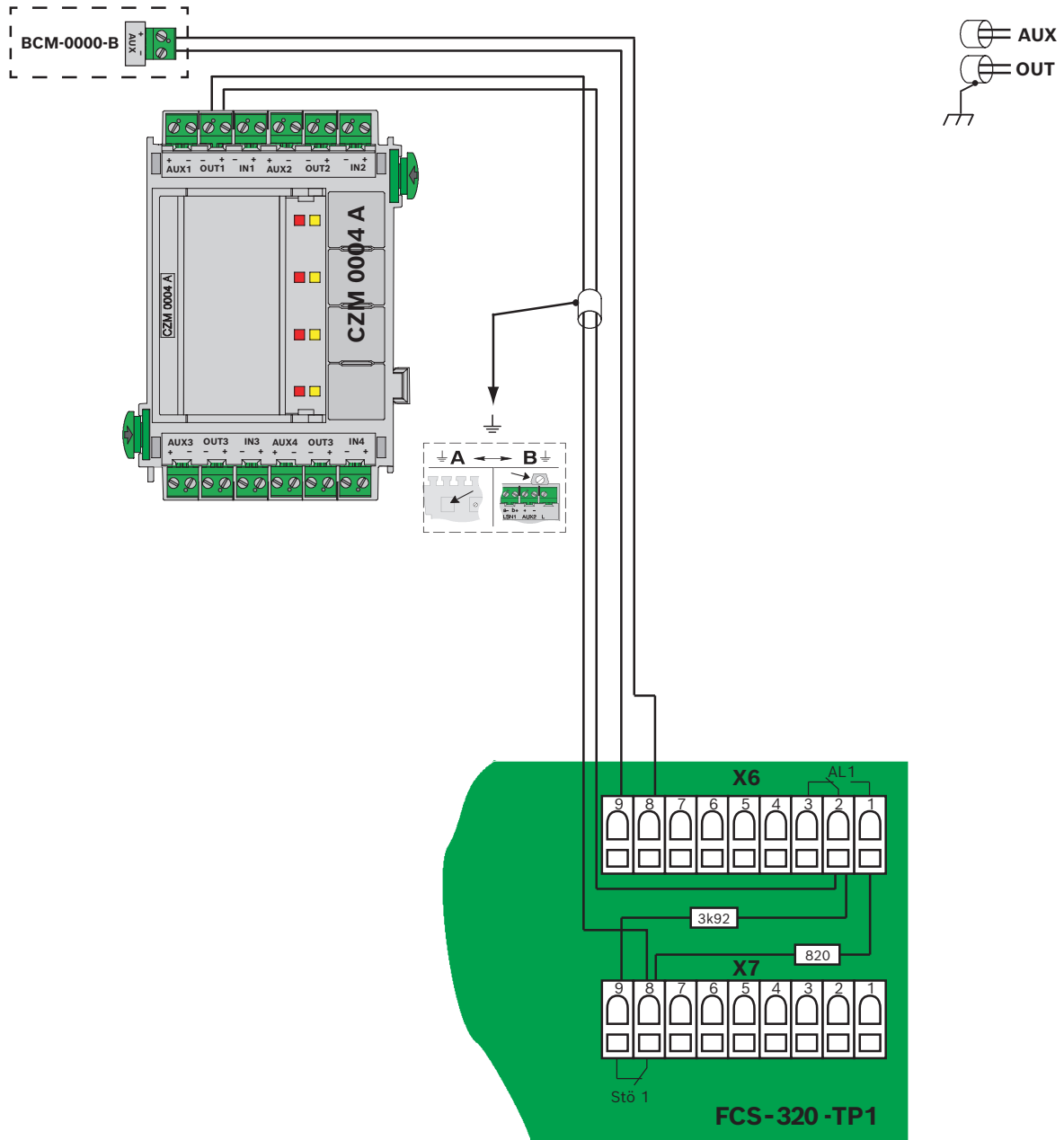
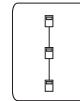
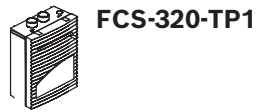


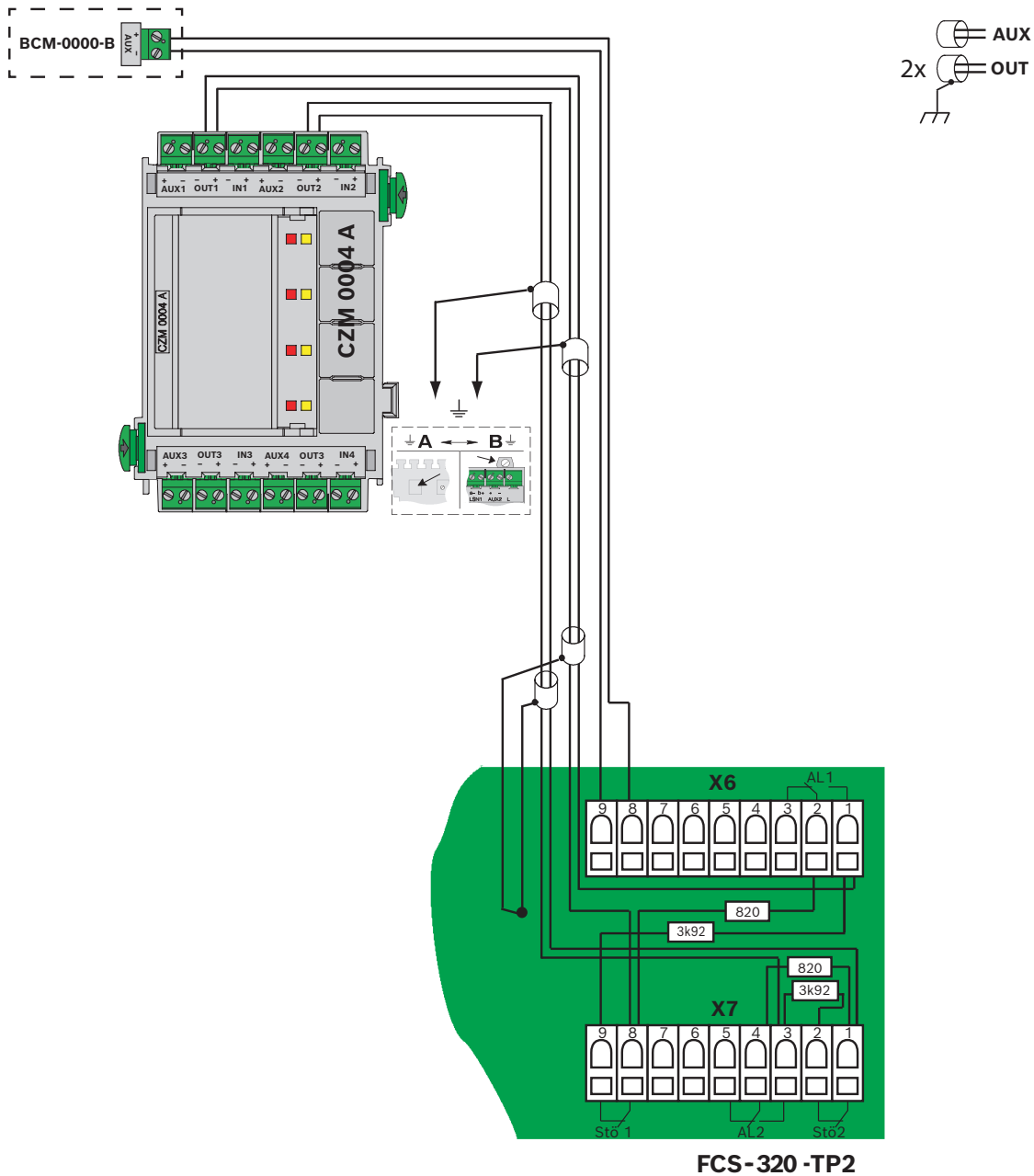
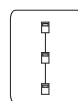
FCS-320-TM Series



BCM-0000-B
LSN 0300 A
LSN 1500 A



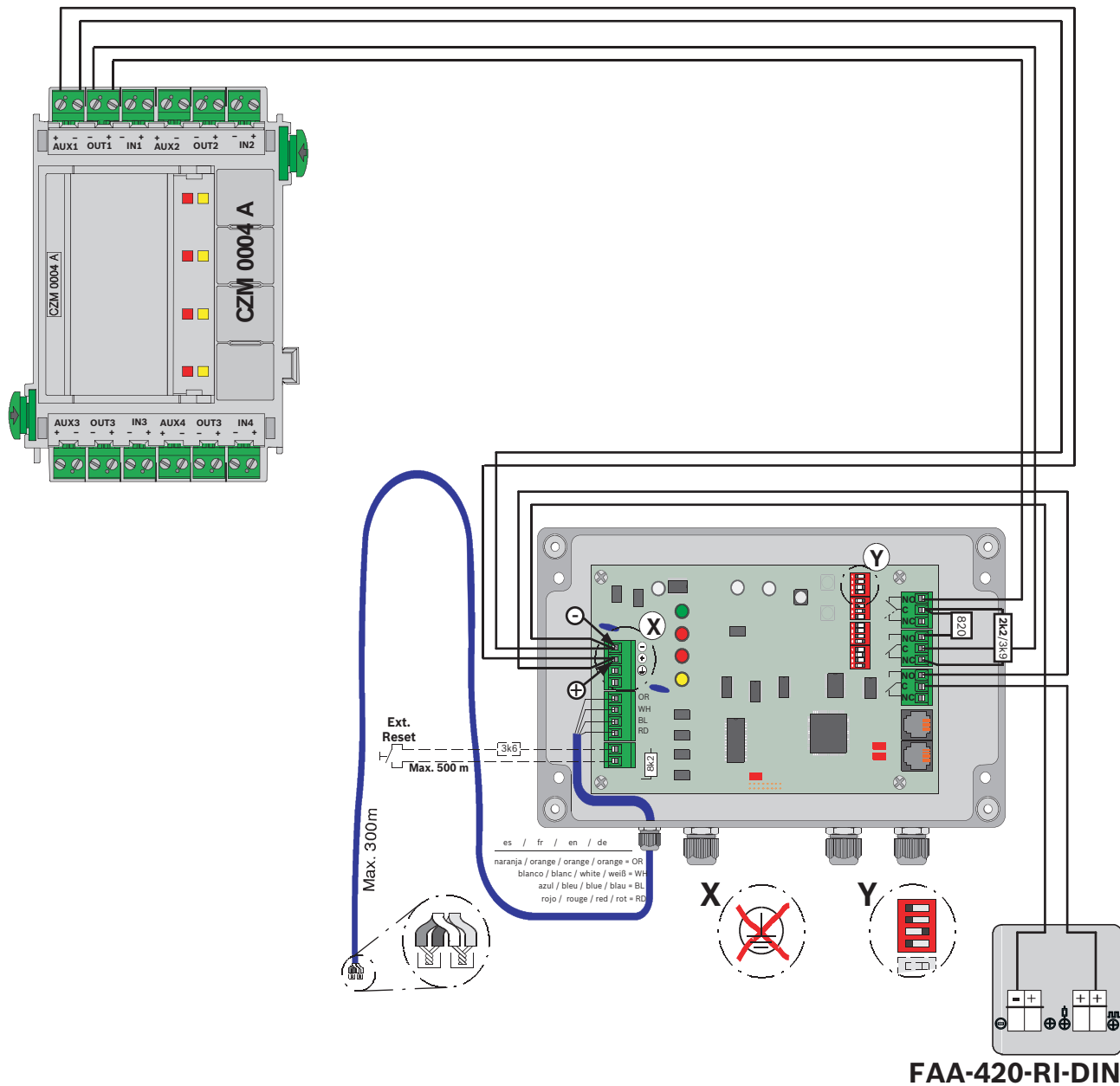




FCS-320-TP2

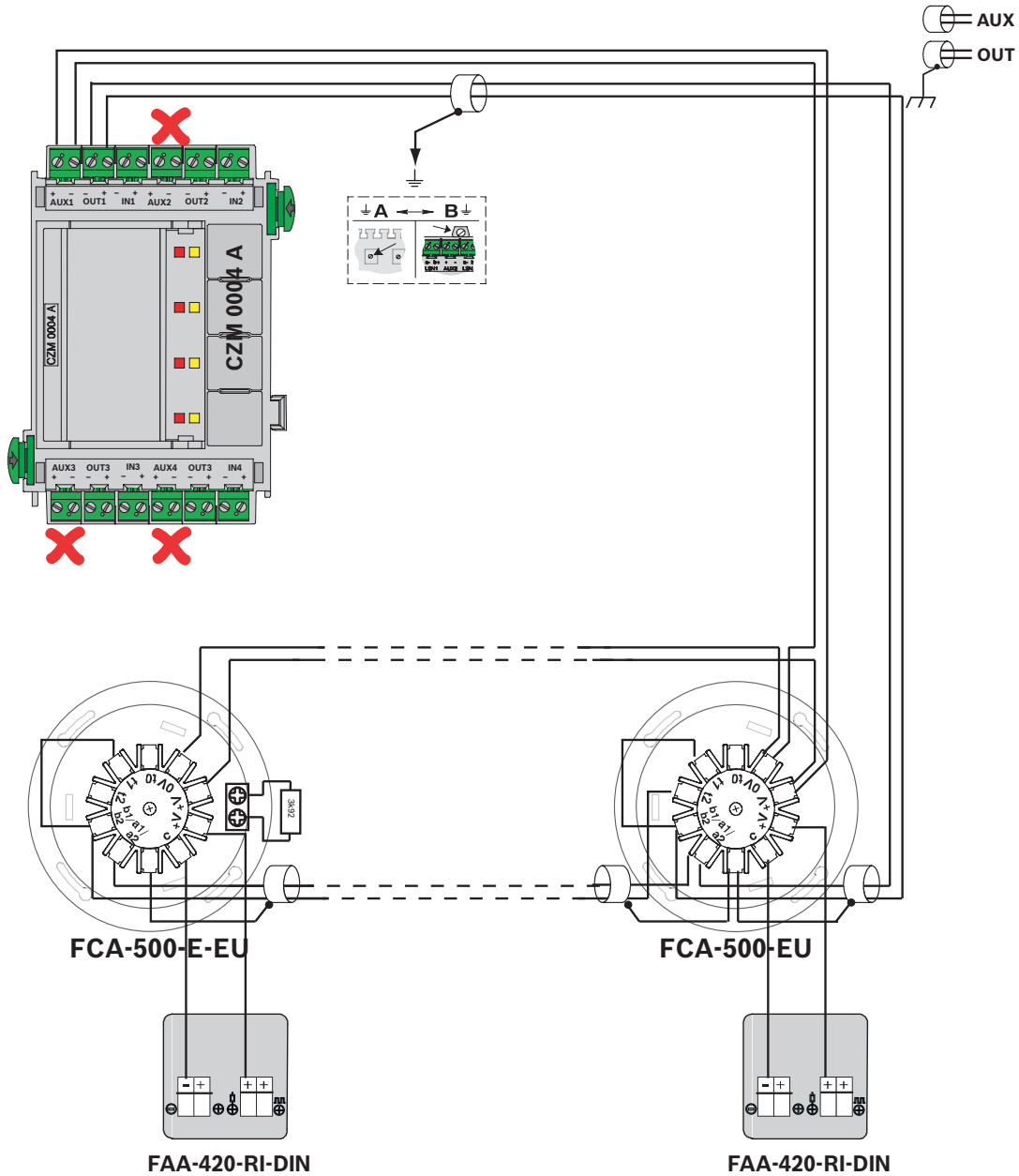


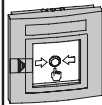
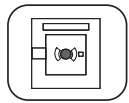
FCS-LWM-1



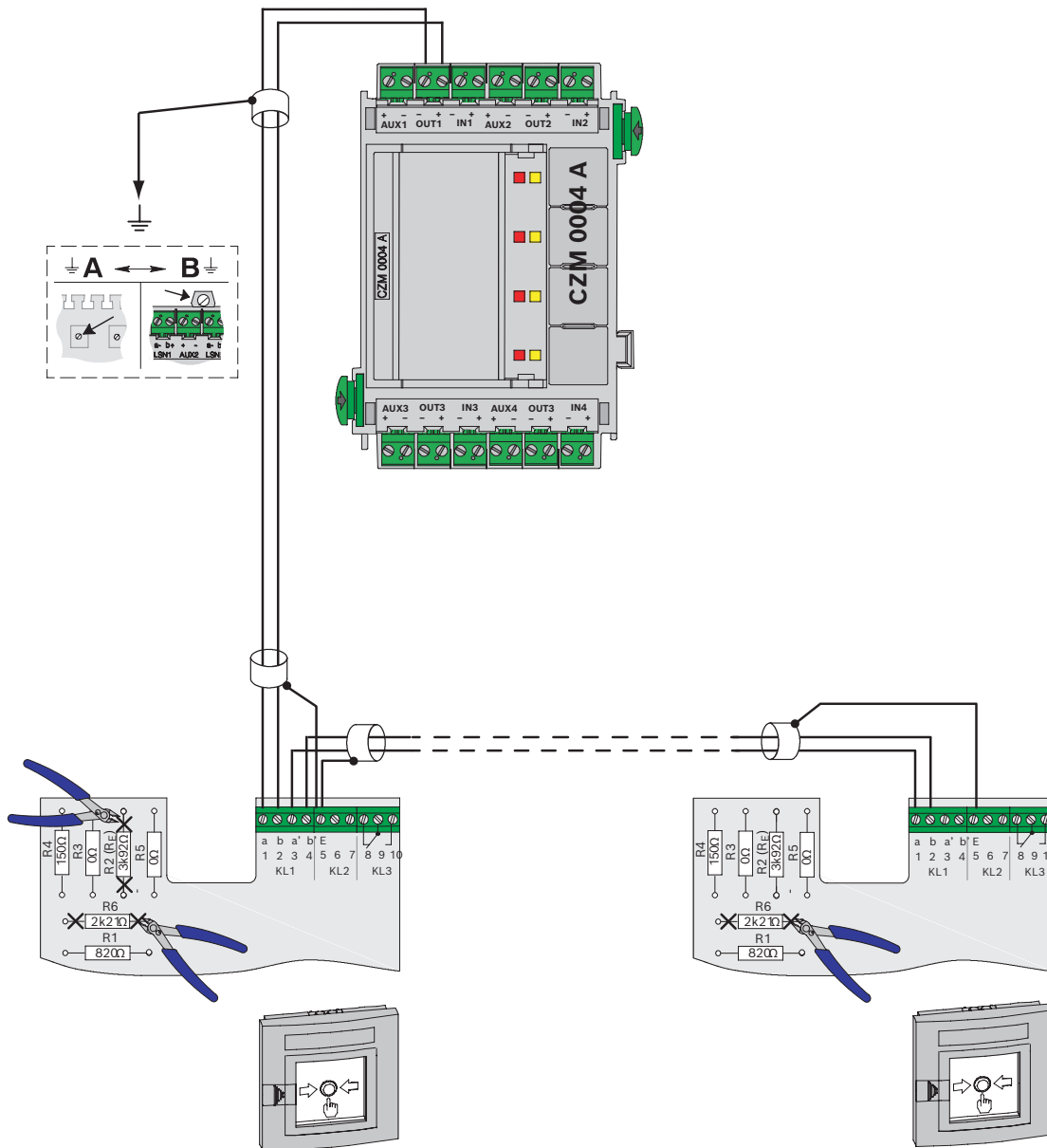
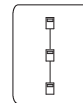


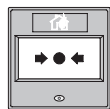
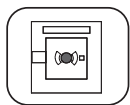
FCA-500-EU
 FCP-O 500
 FCP-O 500-P
 FCP-OC 500
 FCP-OC 500-P



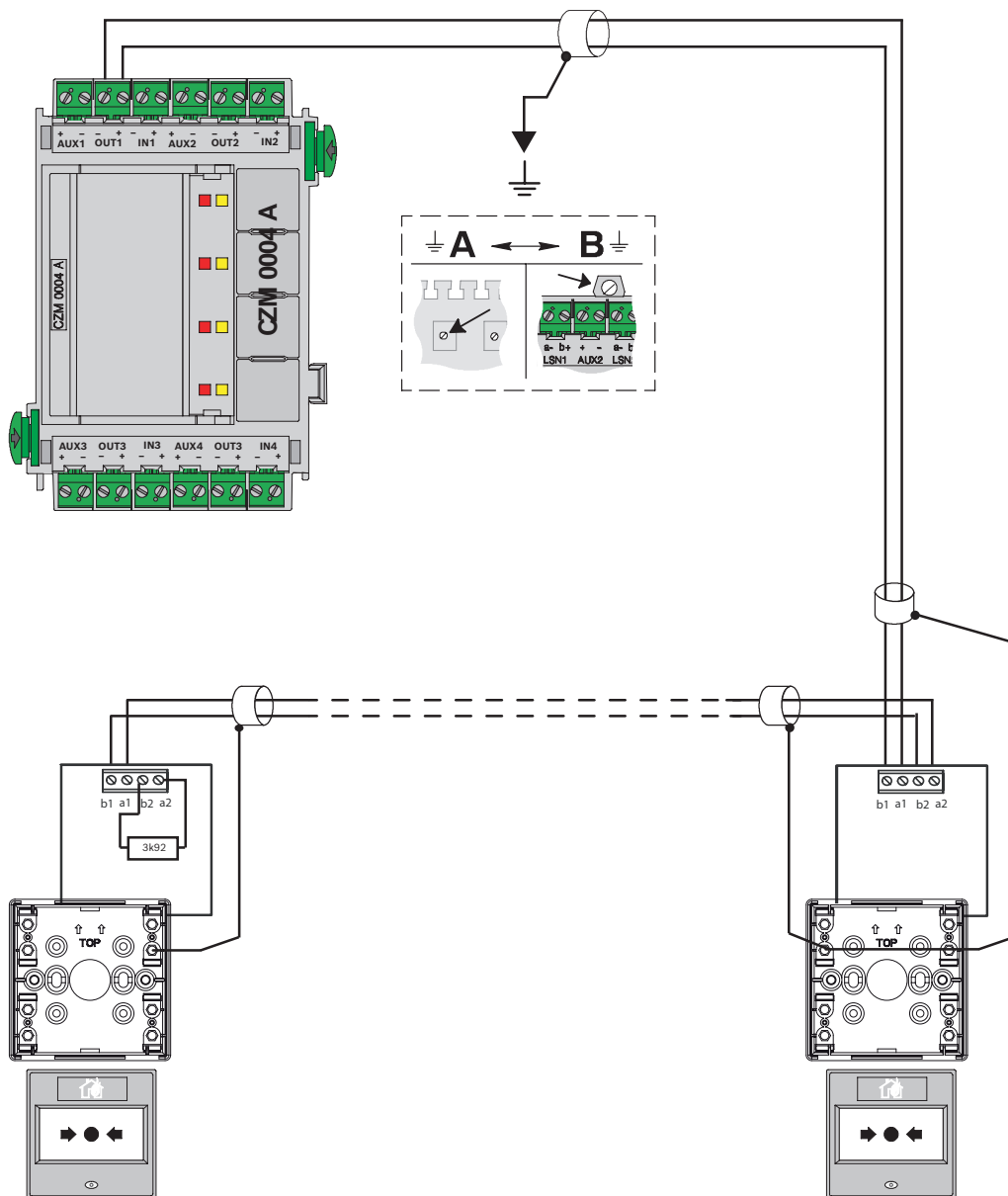
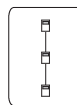


FMC-120-DKM-G-R
FMC-120-DKM-H-R
FMC-120-DKM-G-B
FMC-120-DKM-H-B
FMC-120-DKM-G-Y





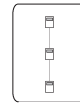
FMC-300RW-GSGBU
FMC-300RW-GSRBU
FMC-300RW-GSGRD
FMC-300RW-GSRRD
FMC-300RW-GSGYE
FMC-300RW-GSRYE



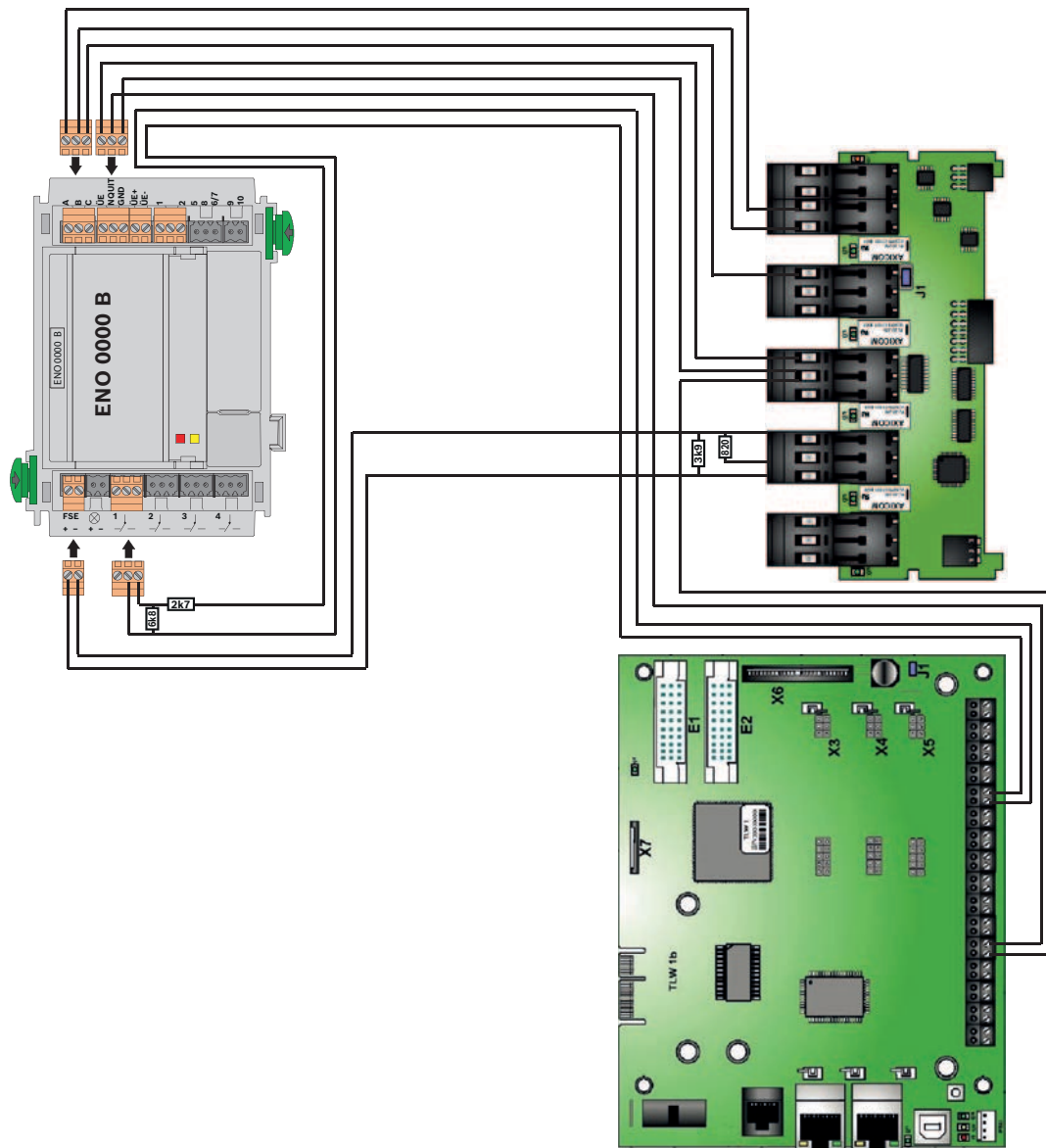
2.4.3 ENO 0000 A/B

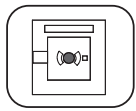


AT5000 IP/GPRS

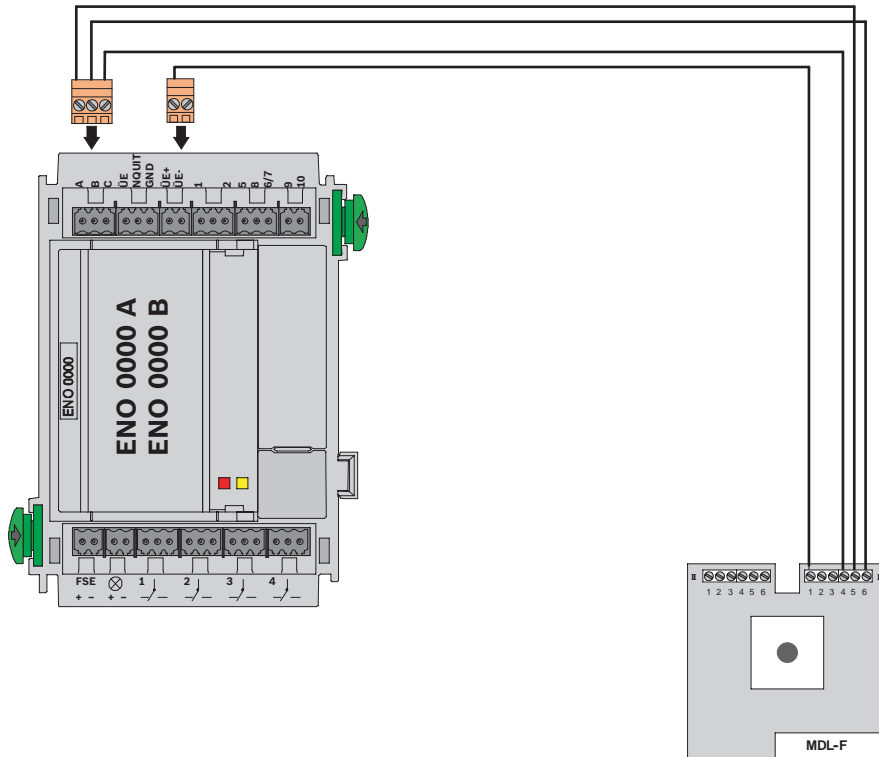


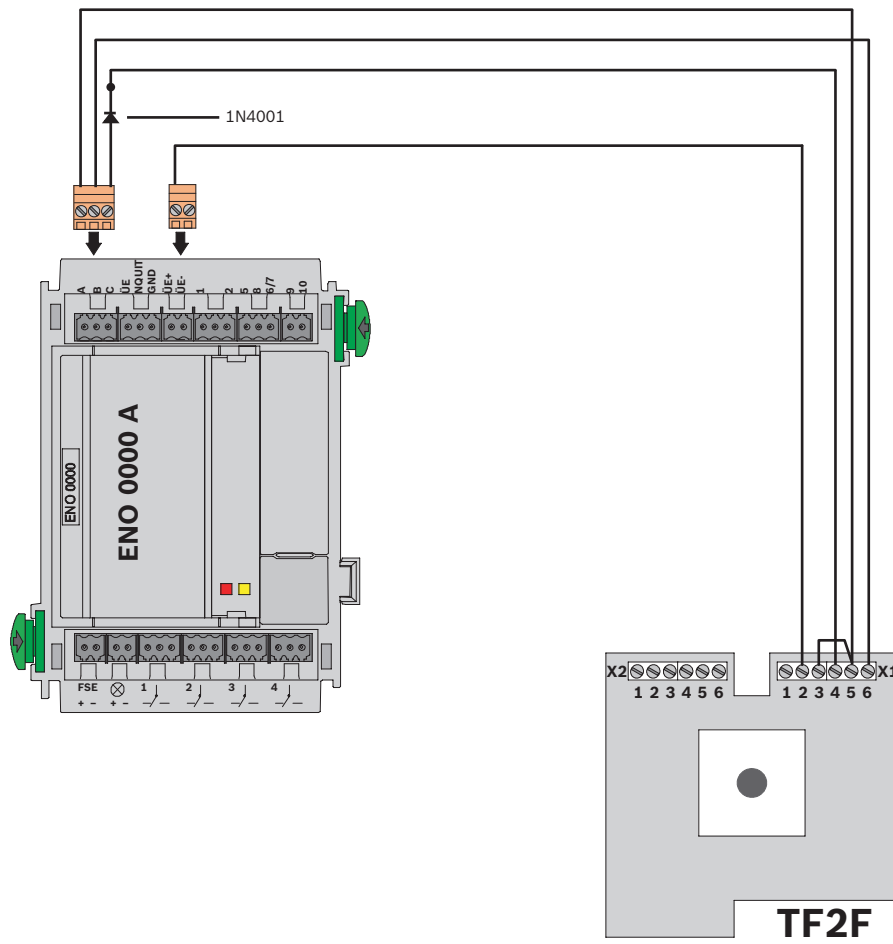
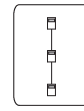
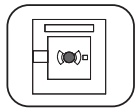
EN 54-2

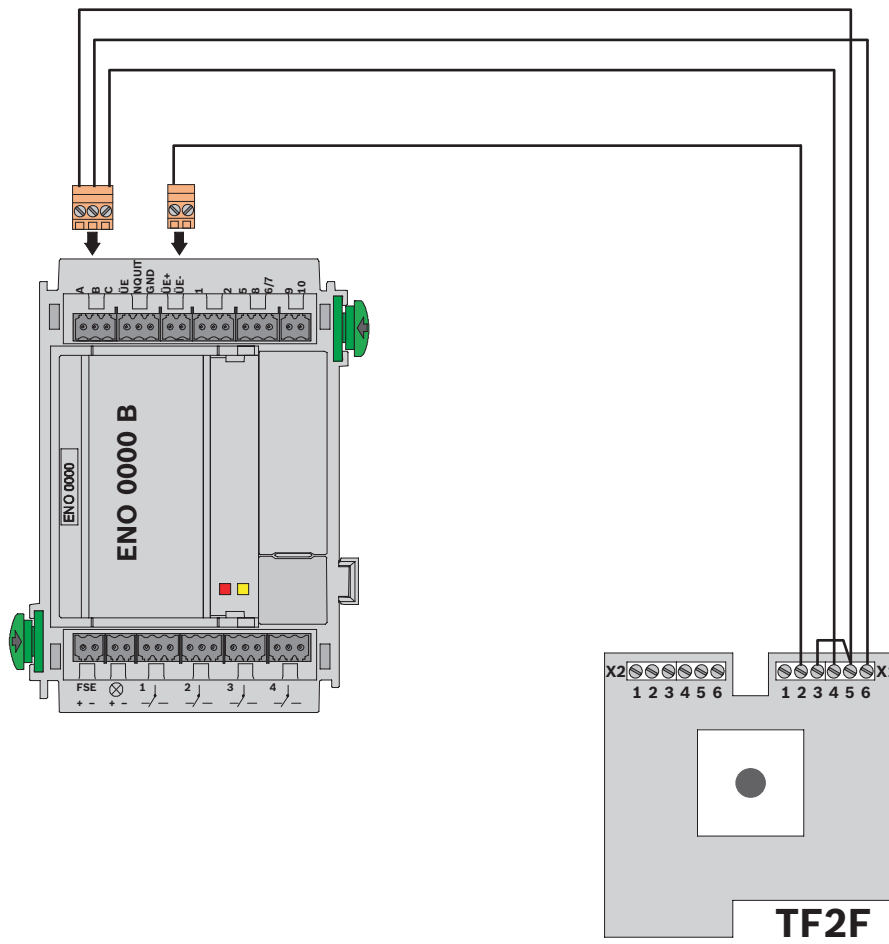
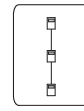
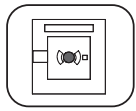


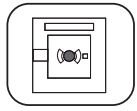


MDL-F

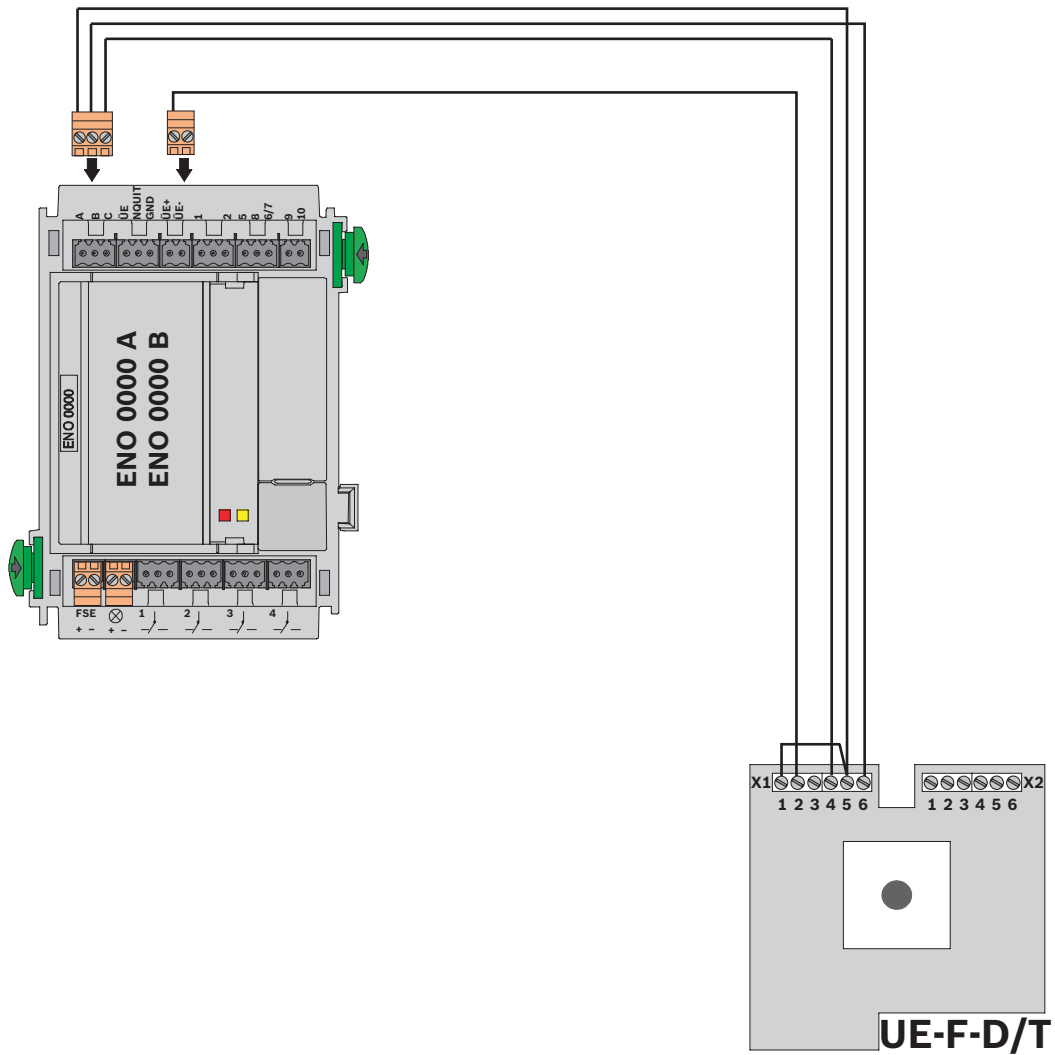


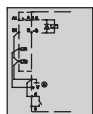




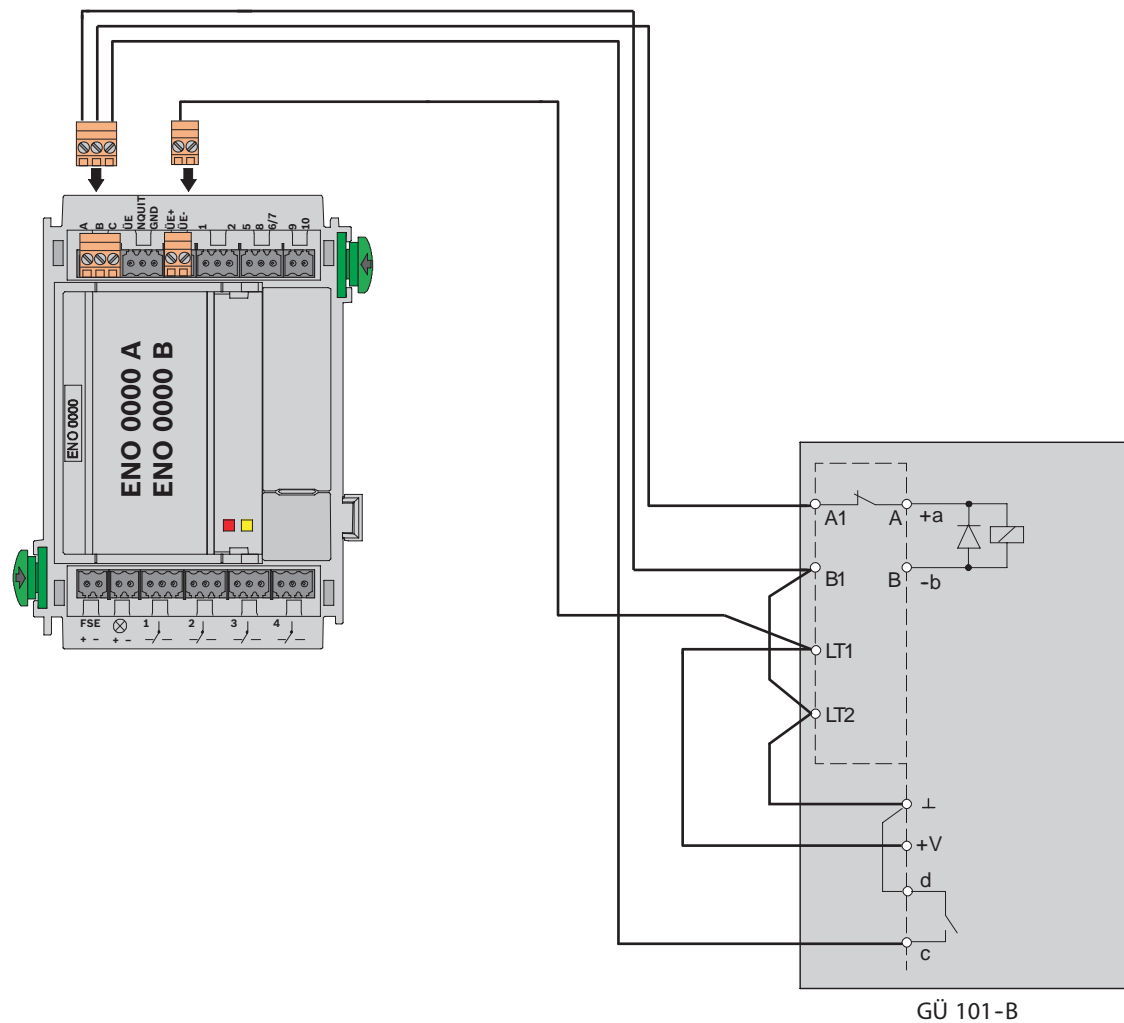
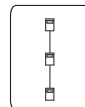


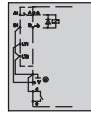
UE-F-D/T



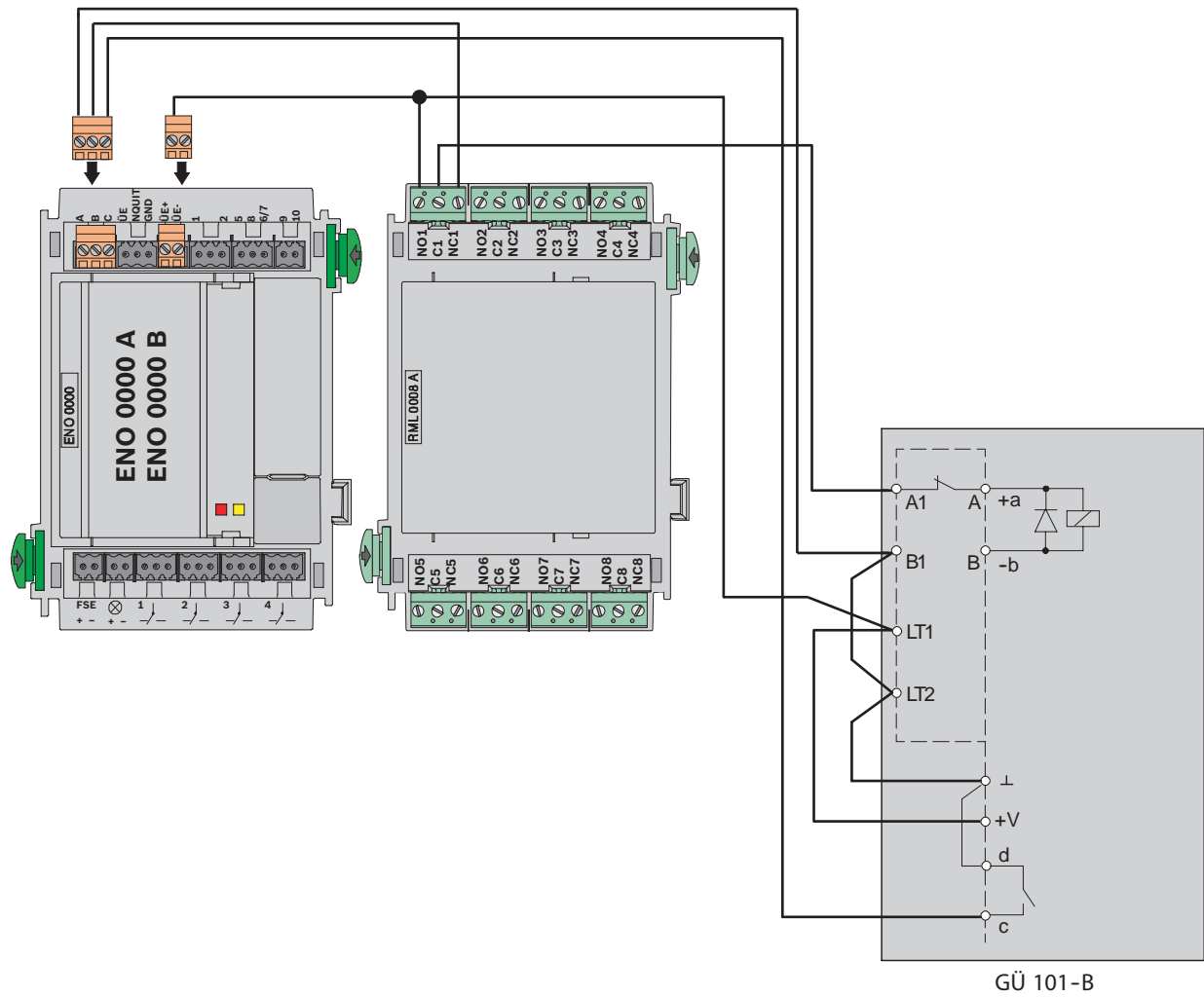
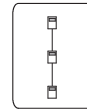


GÜ 101-B



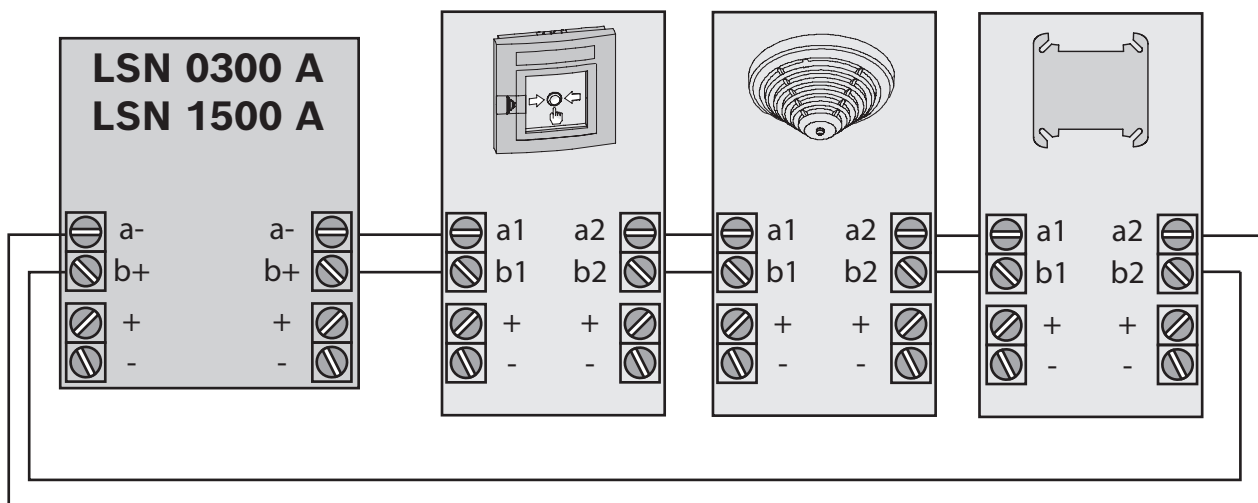
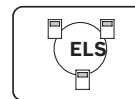


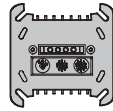
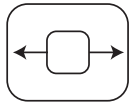
GÜ 101-B



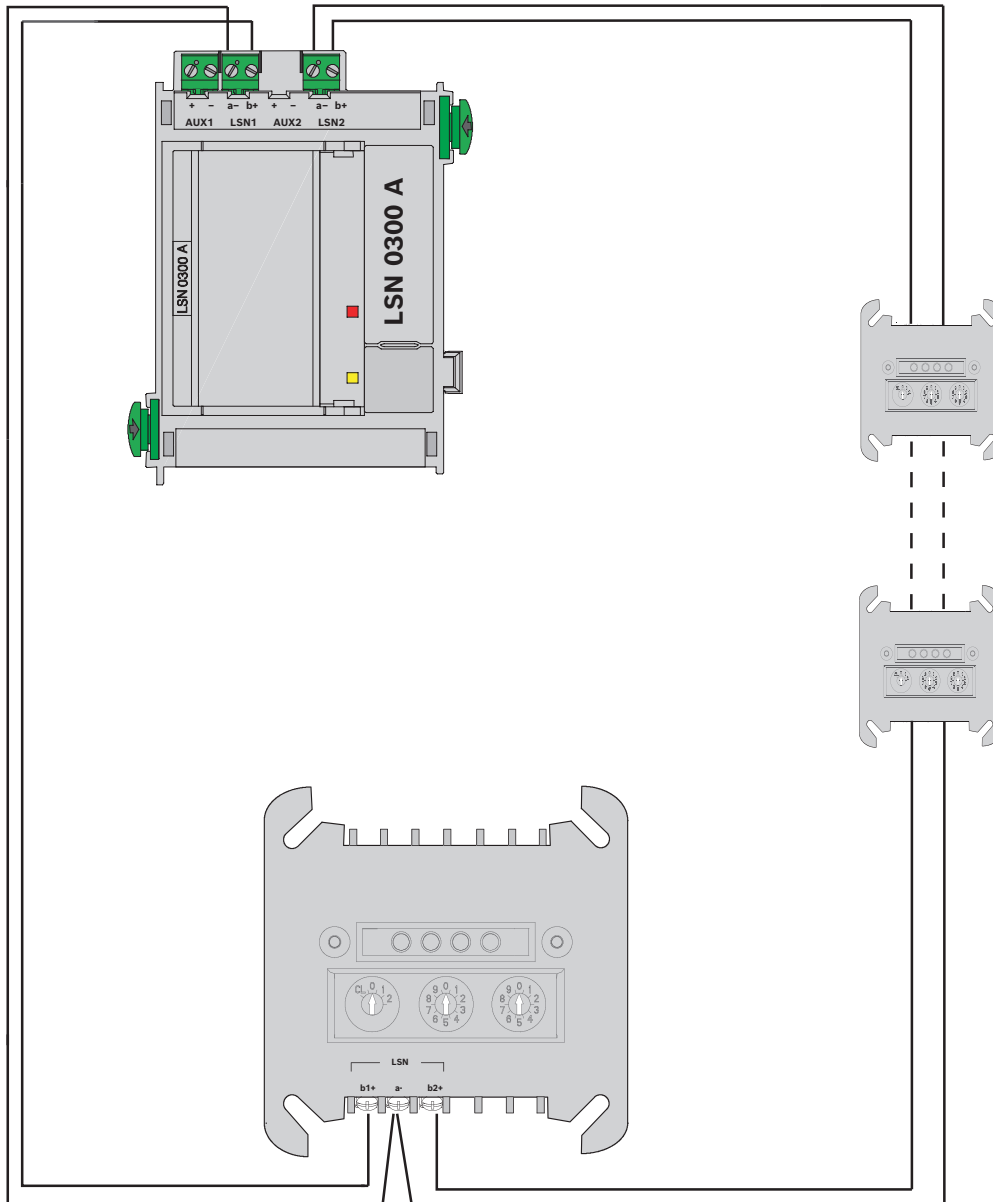
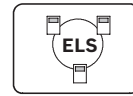
2.4.4

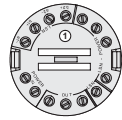
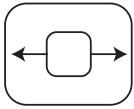
LSN 0300 A



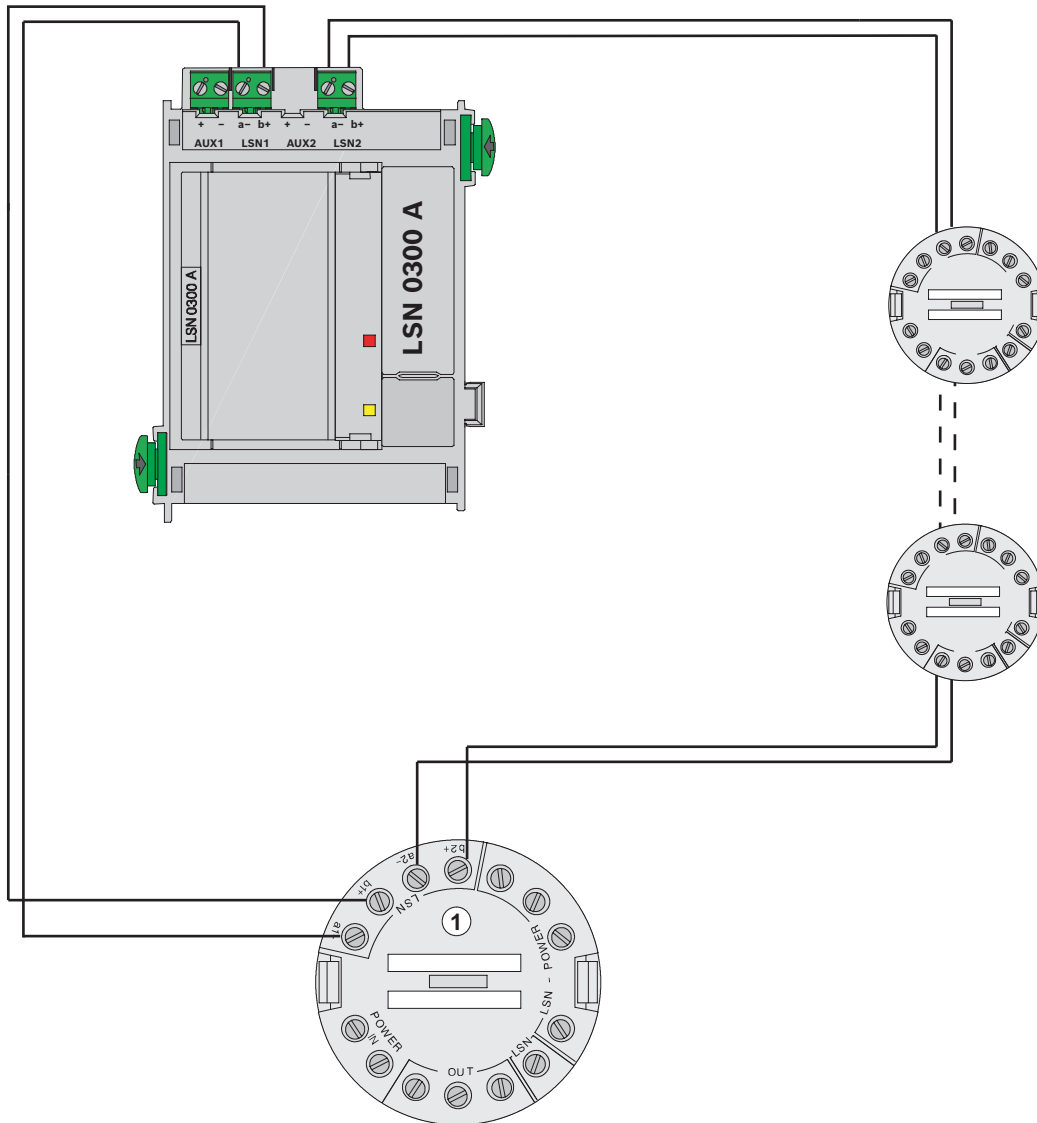
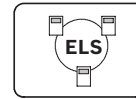


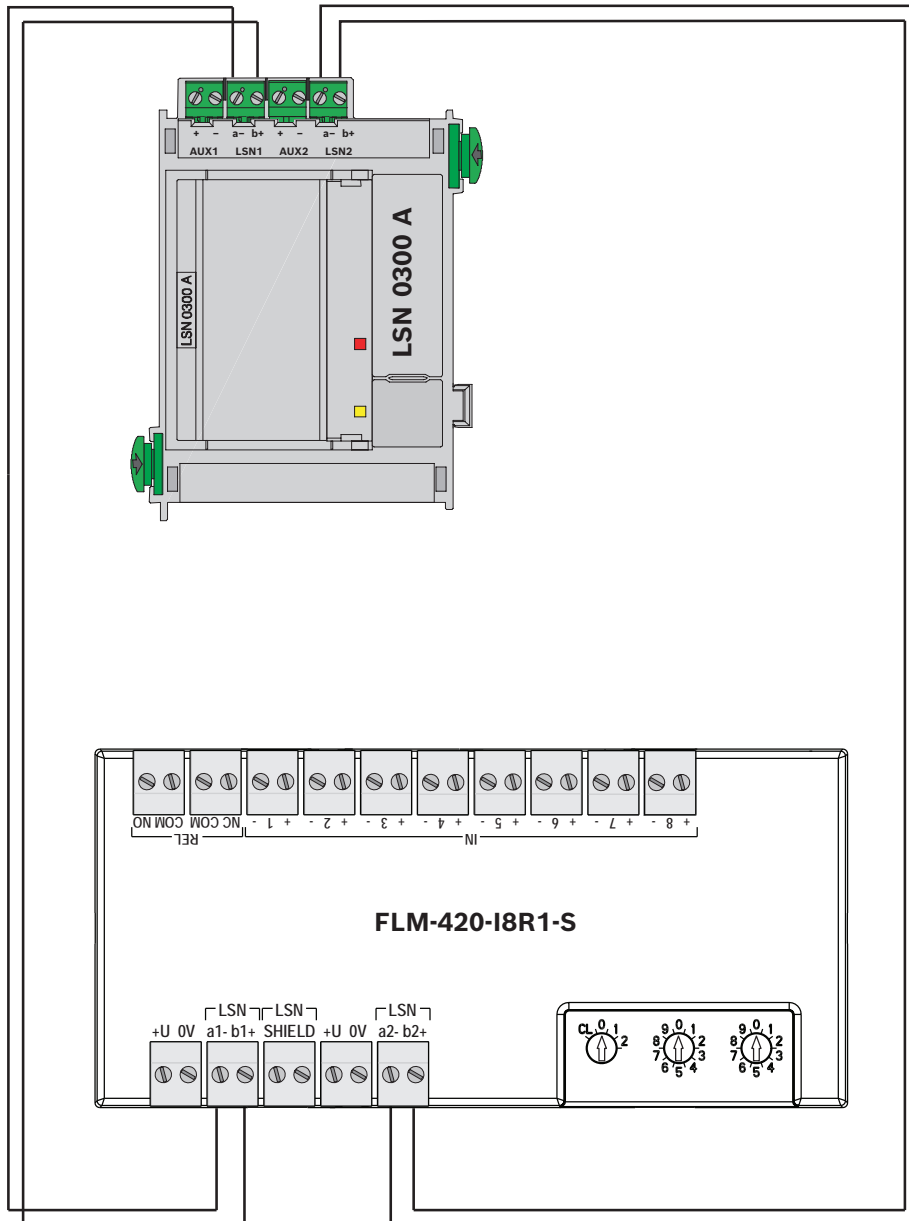
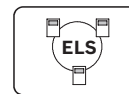
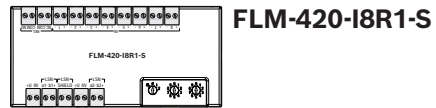
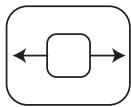
FLM-I 420-S
FLM-420-I2-D
FLM-420-O1I1-D
FLM-420-RHV-D/S
FLM-420-RLV1-D

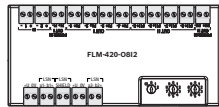
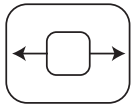




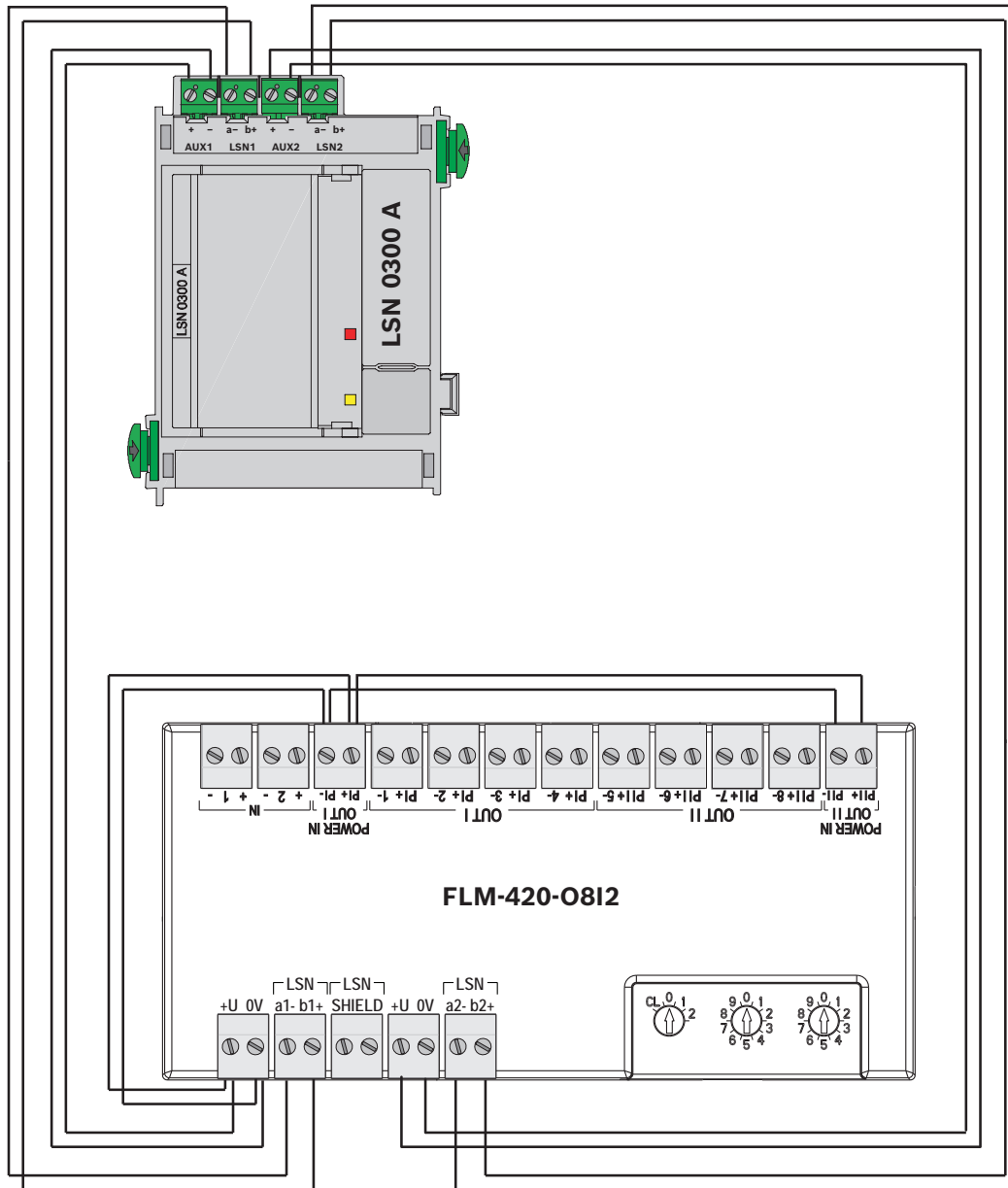
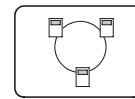
FLM-420-I2-E/W
FLM-420-RLV1-E

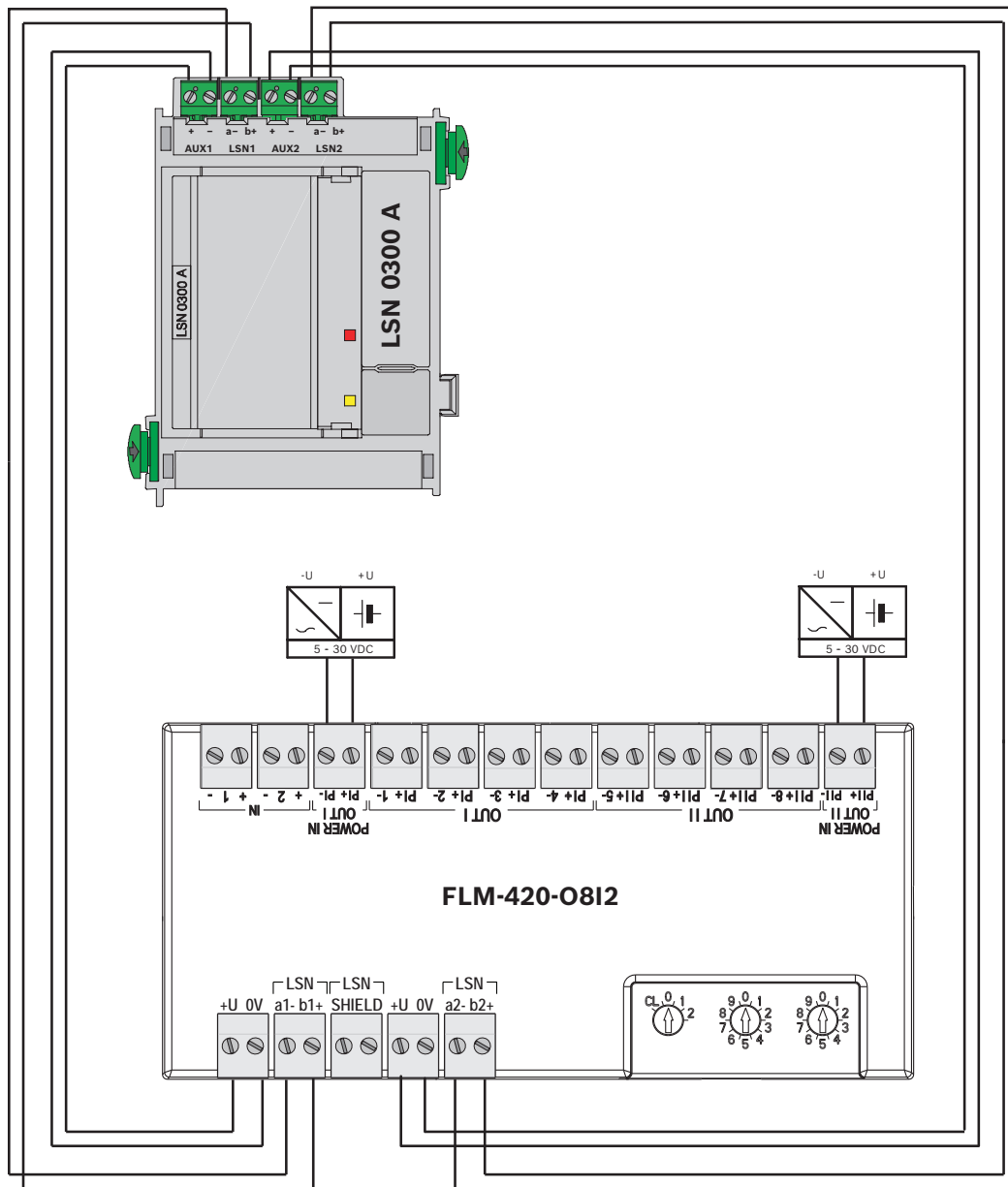
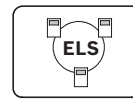
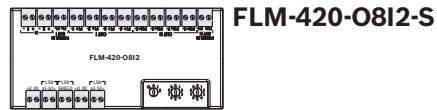
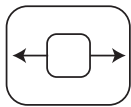


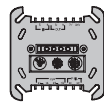
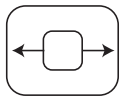




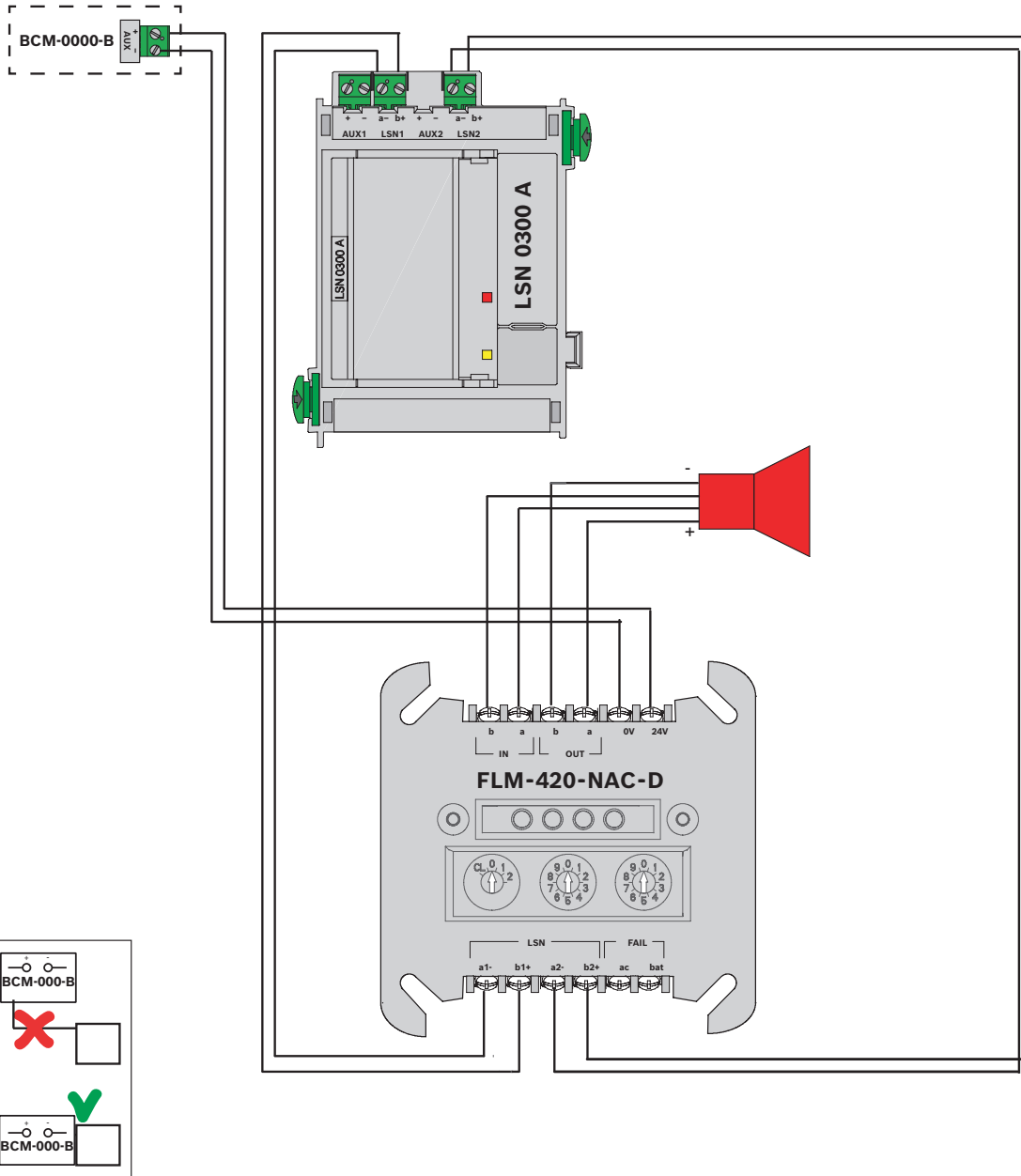
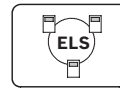
FLM-420-0812-S

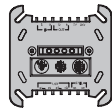
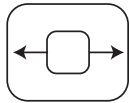




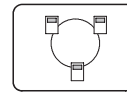


FLM-420-NAC-D/S

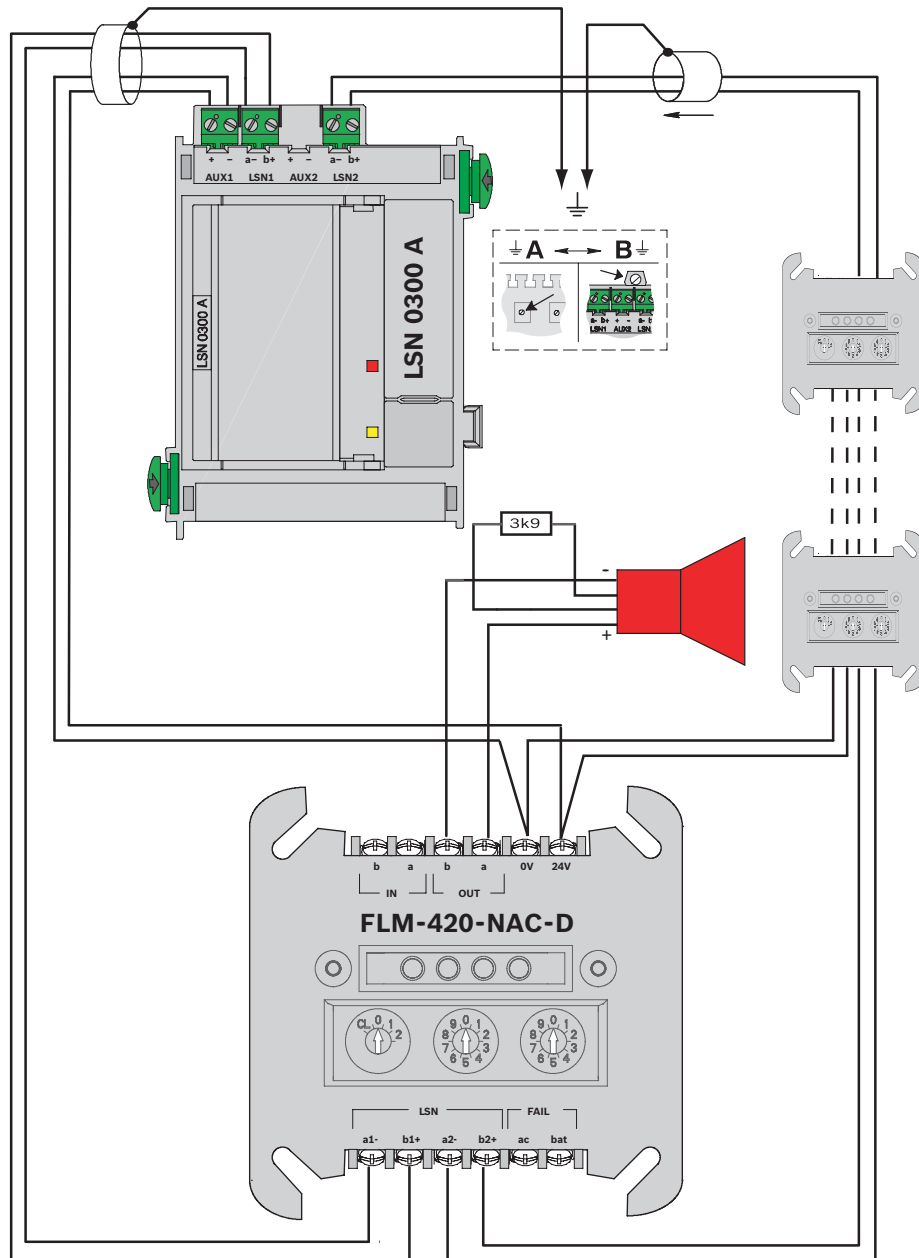


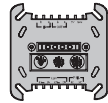
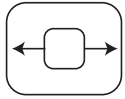


FLM-420-NAC-D/S

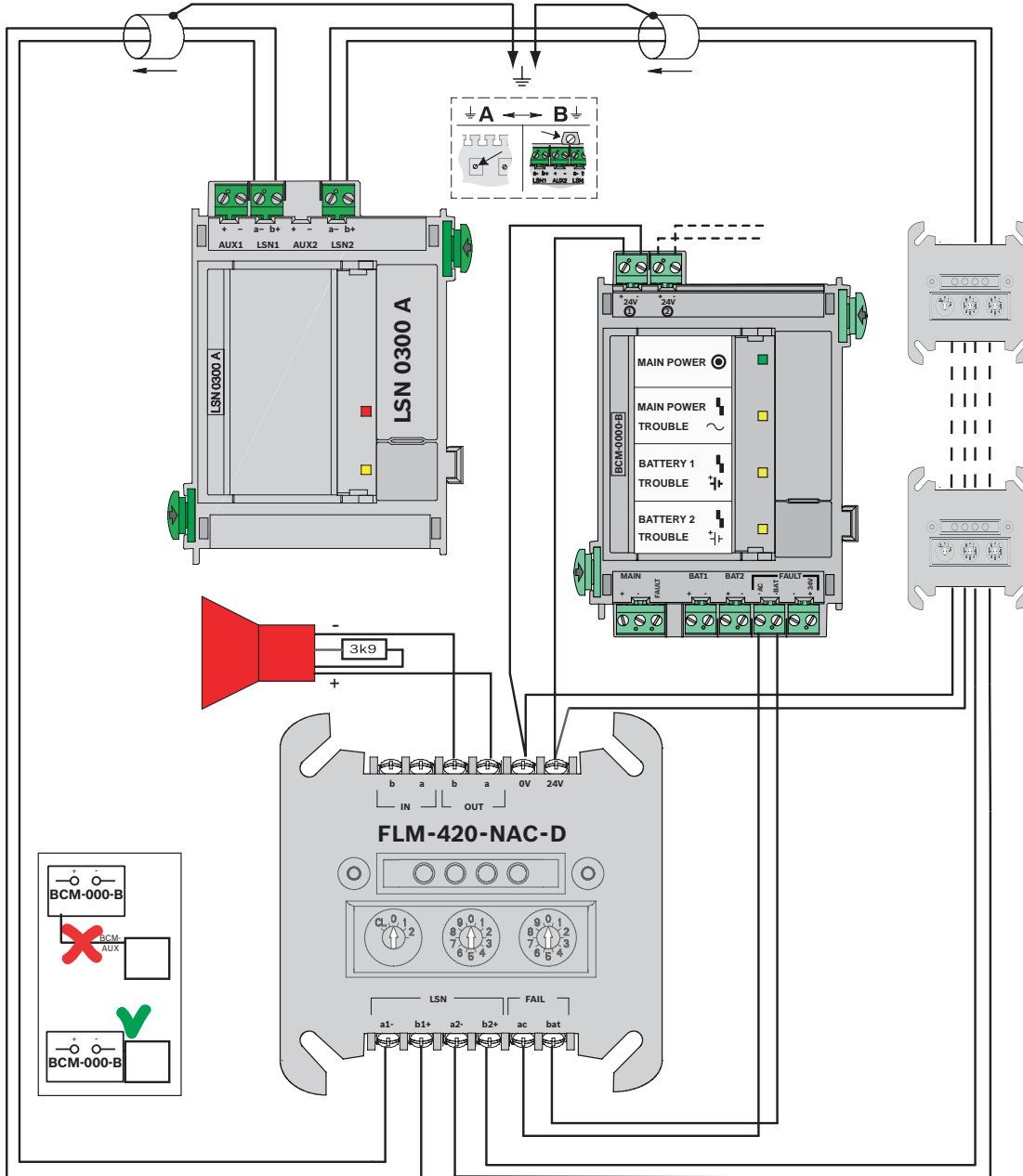
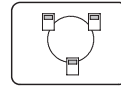


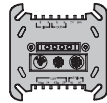
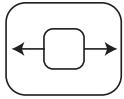
EN 54-2



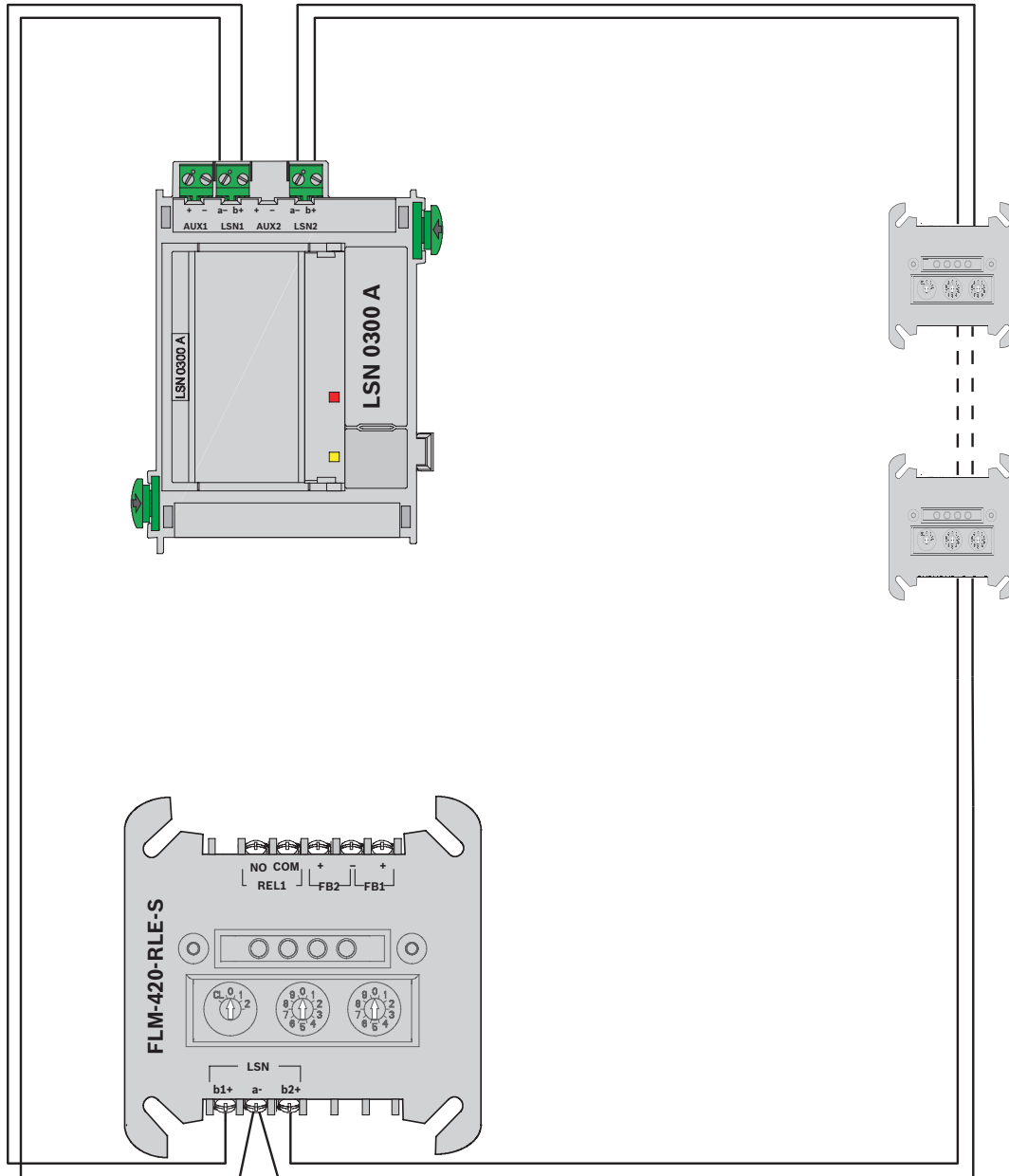
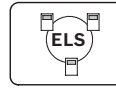


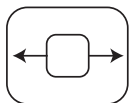
FLM-420-NAC-D/S



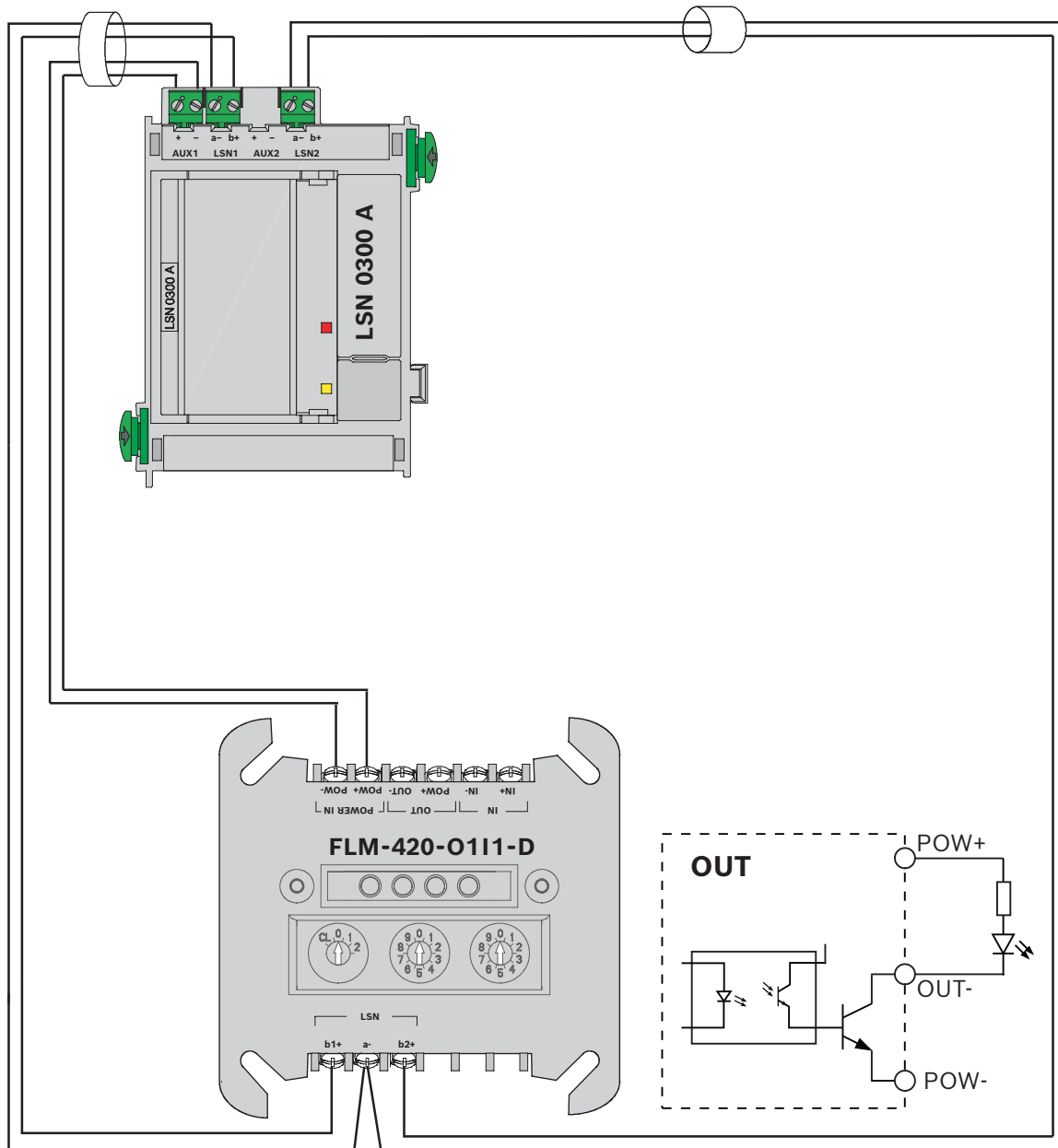
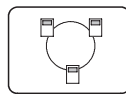


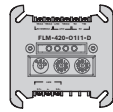
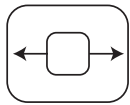
FLM-420-RLE-S



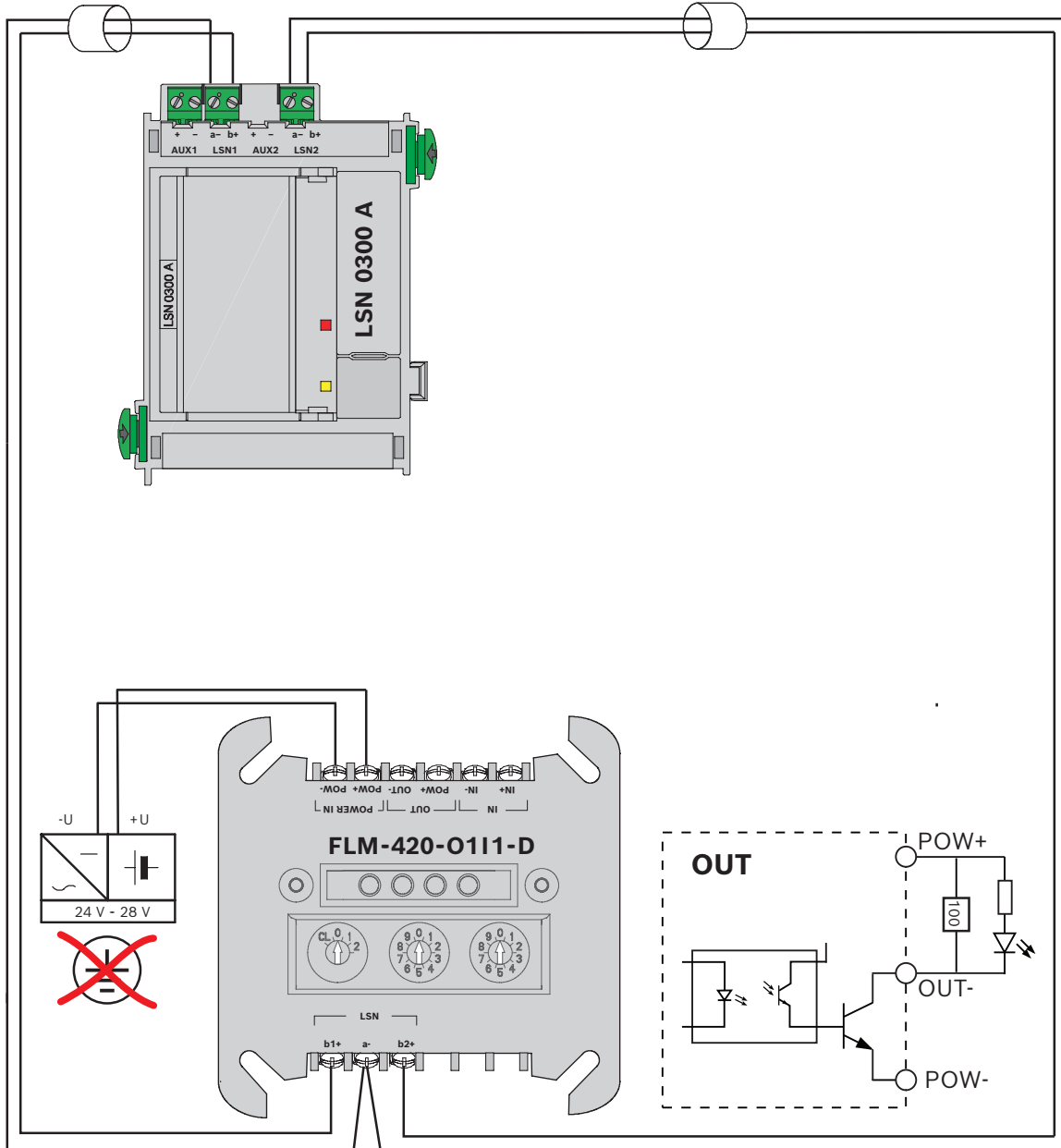
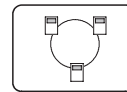


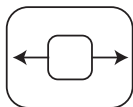
FLM-420-O111-D



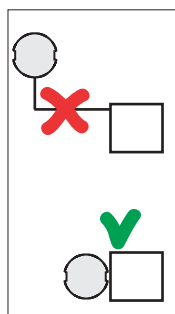
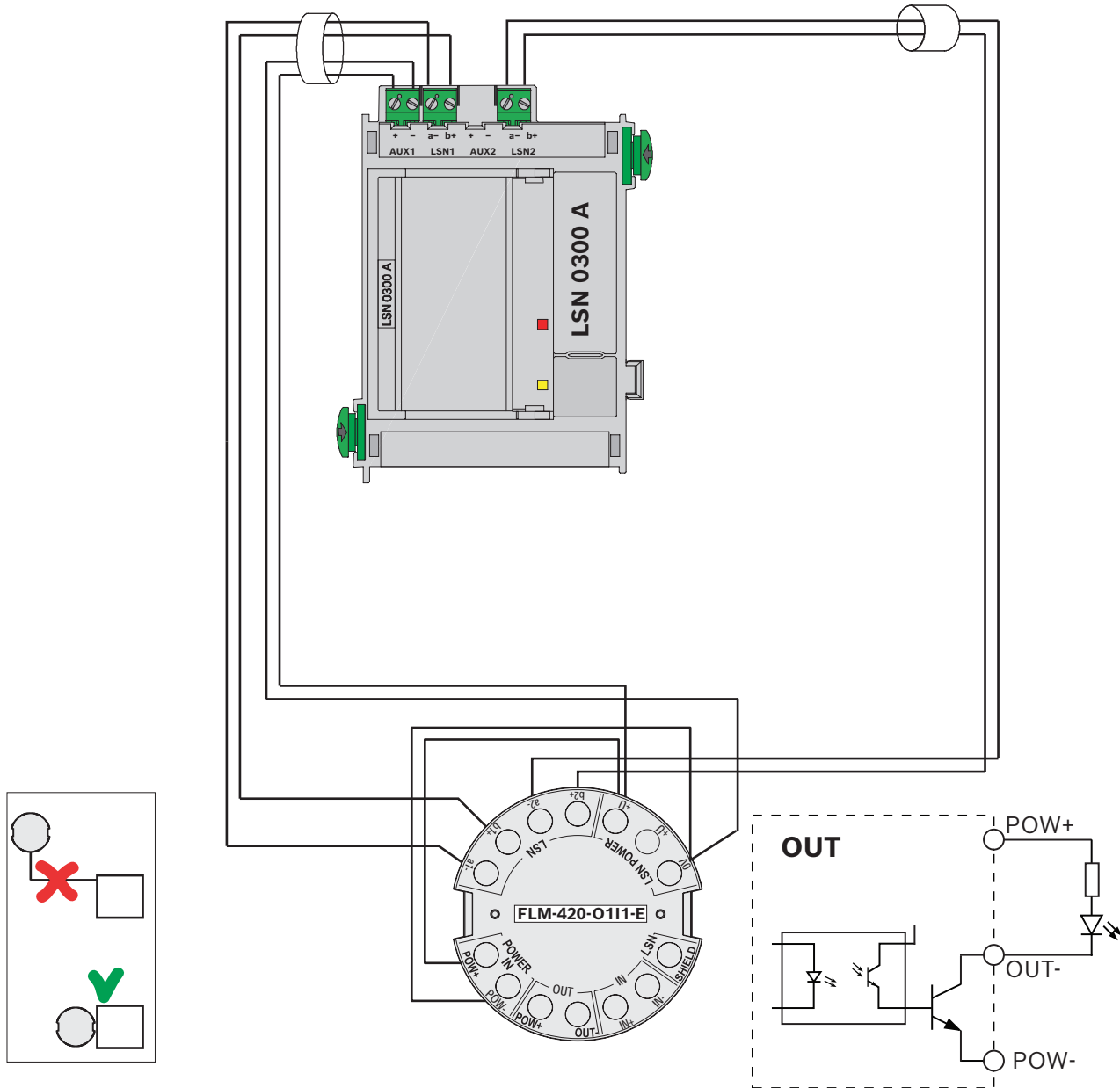
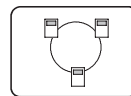


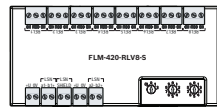
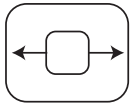
FLM-420-O111-D



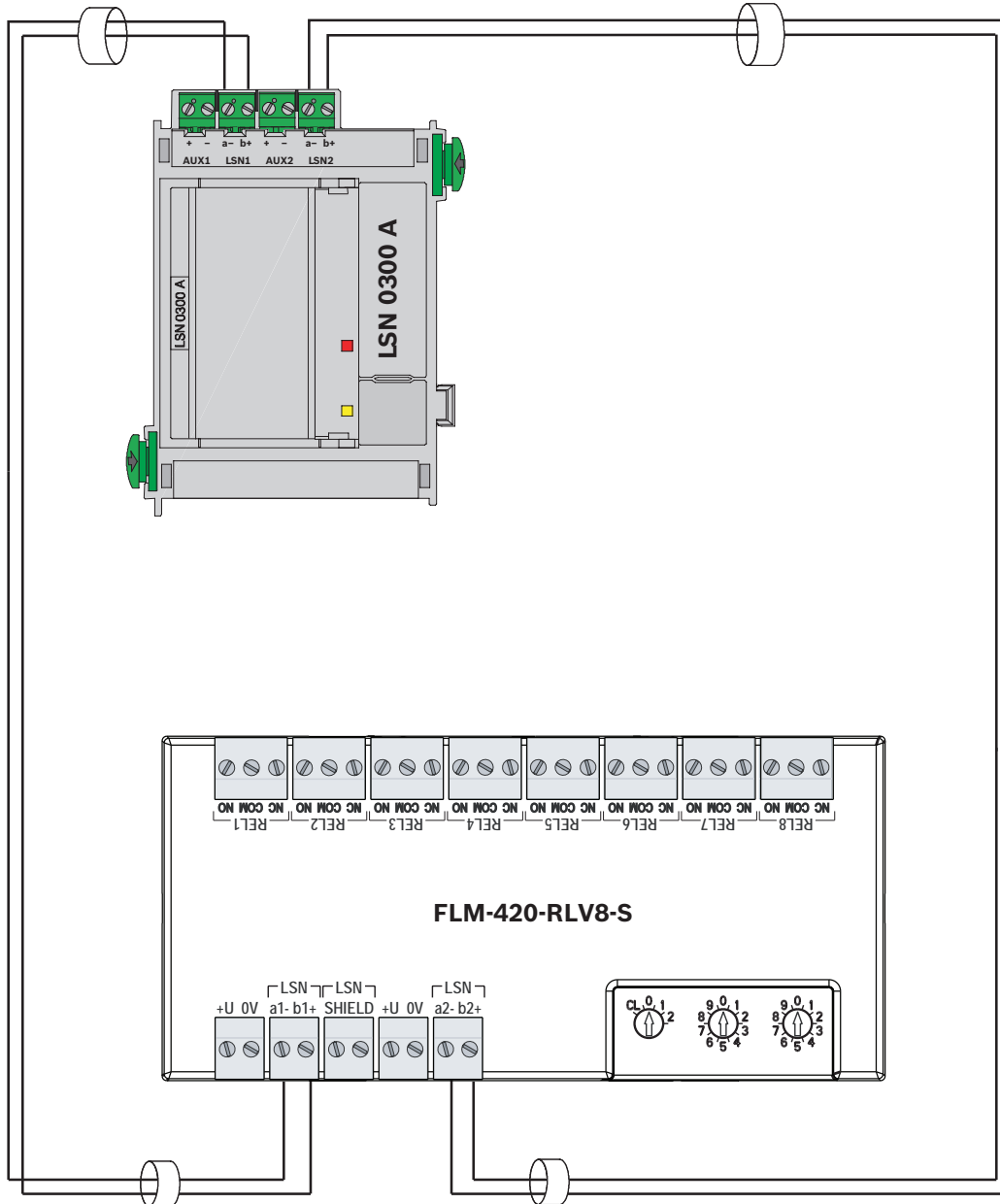
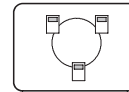


FLM-420-O111-E



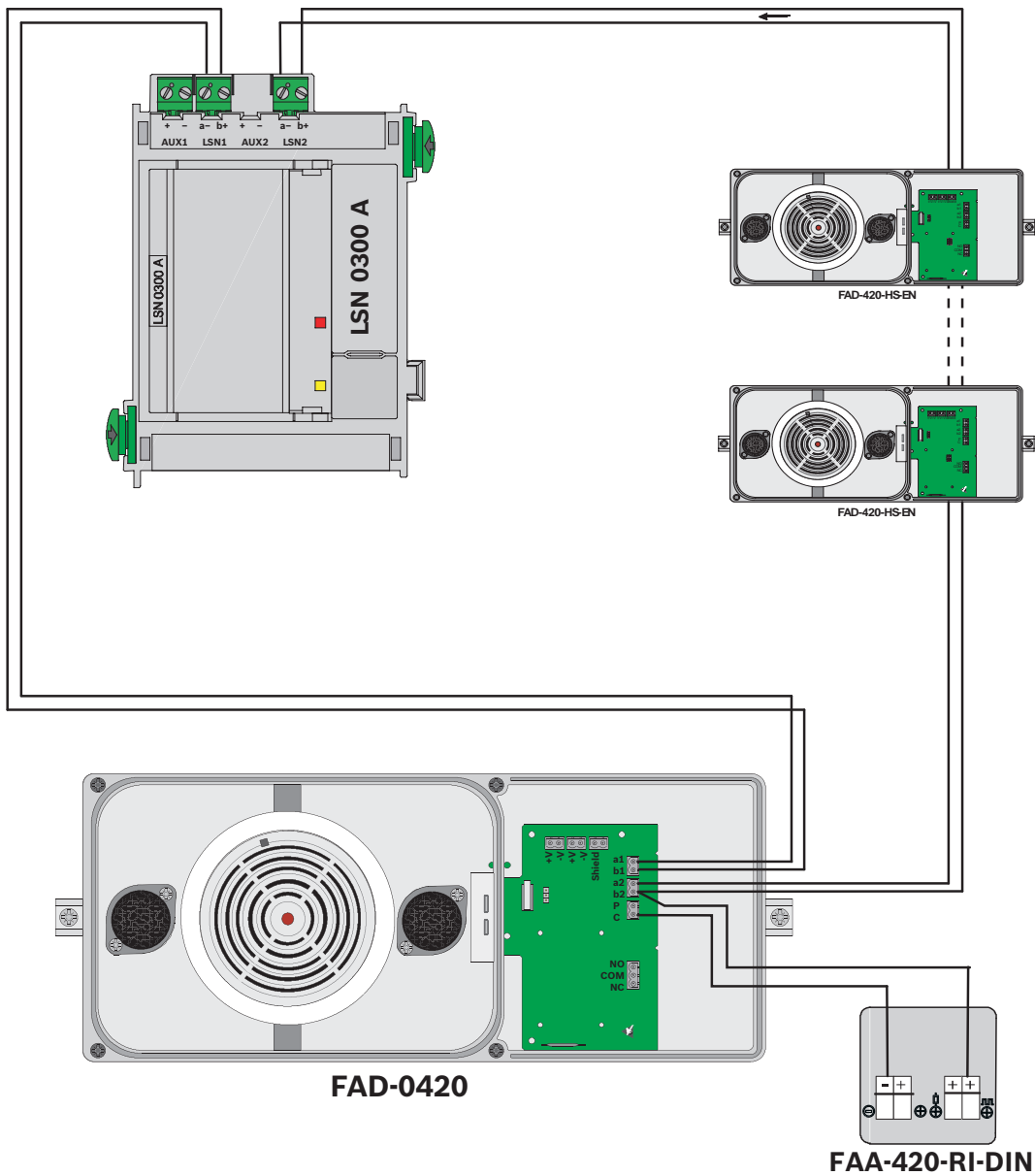


FLM-420-RLV8-S



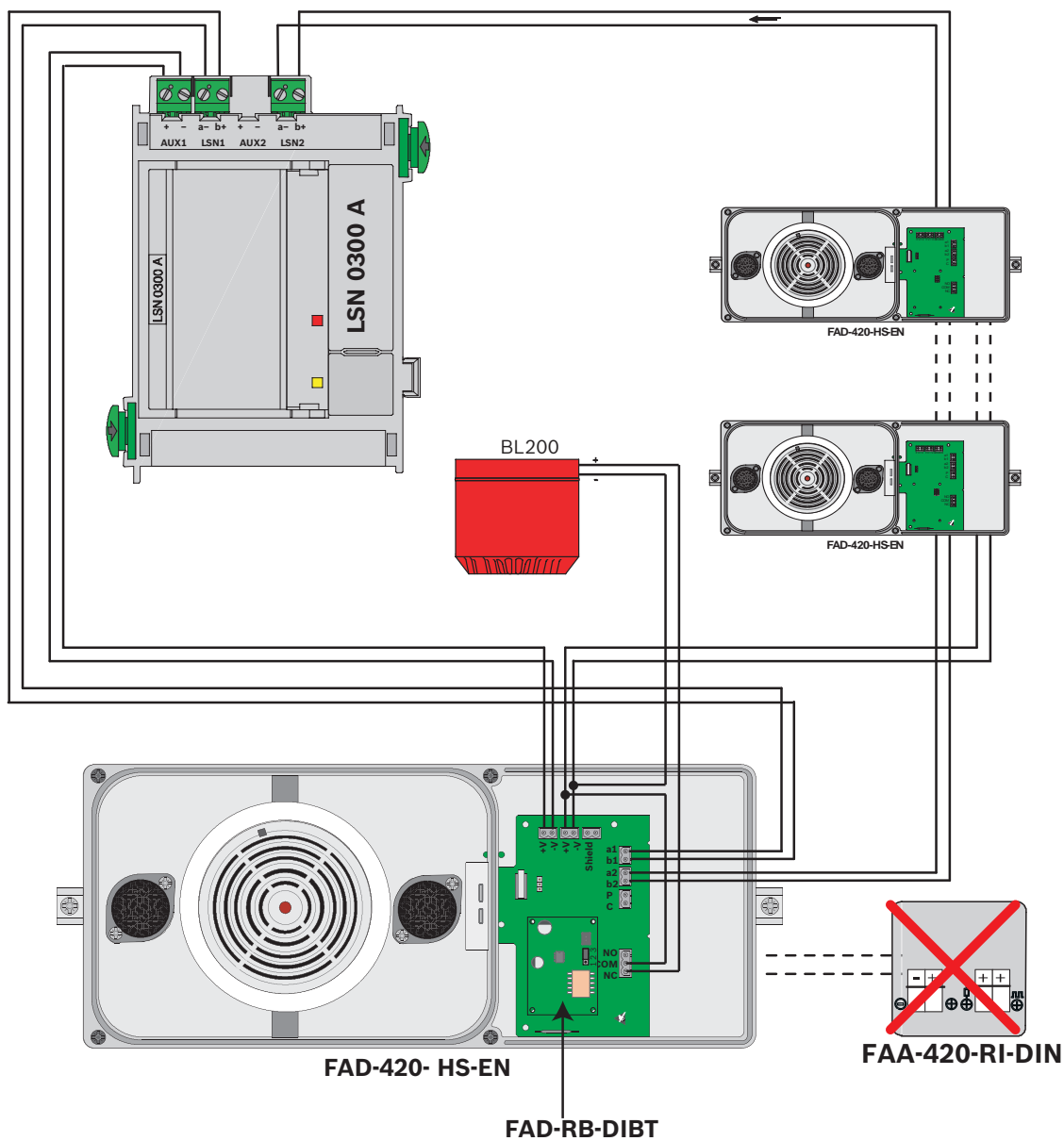


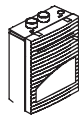
FAD-0420



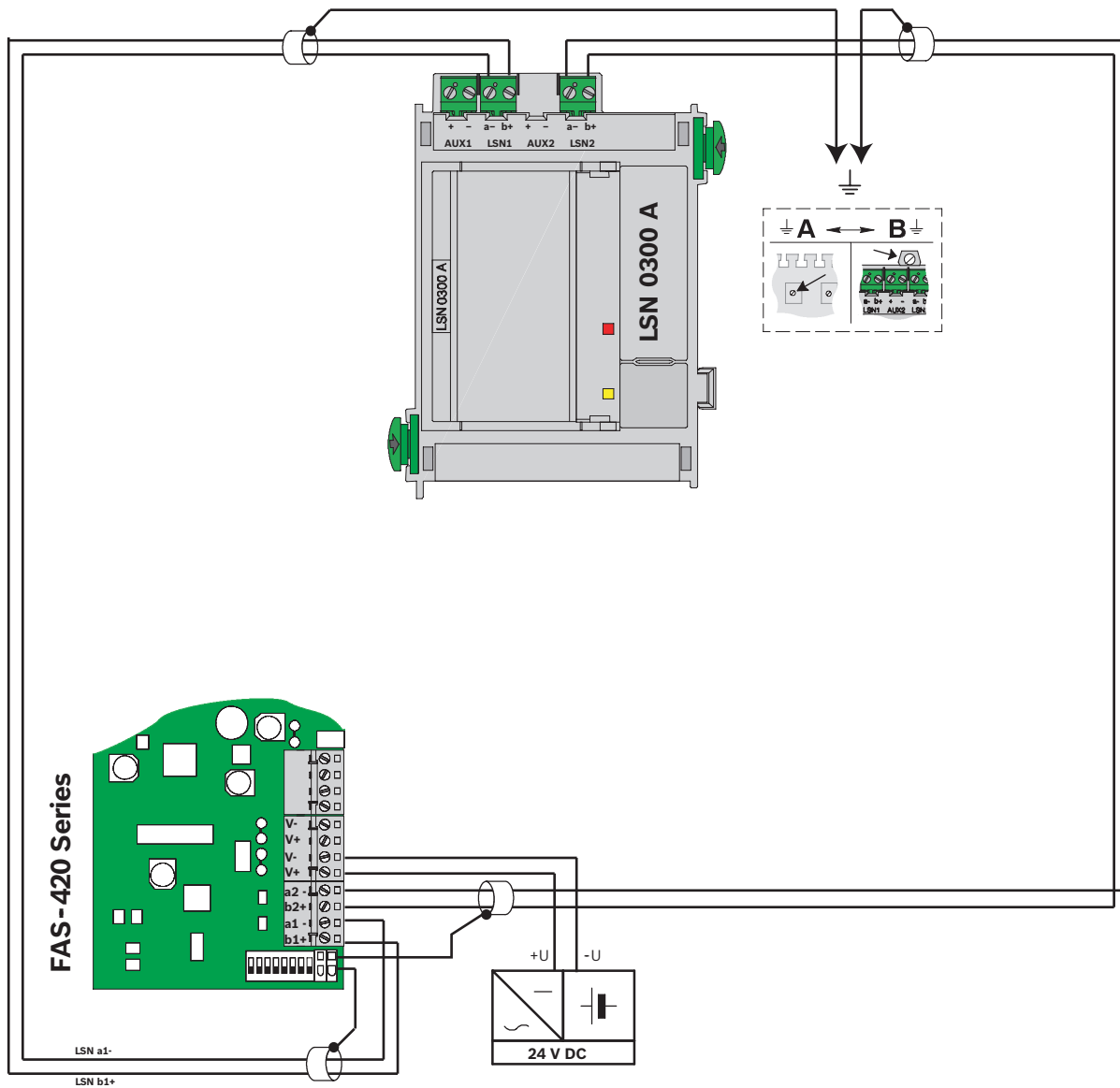


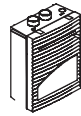
FAD-420-HS-EN



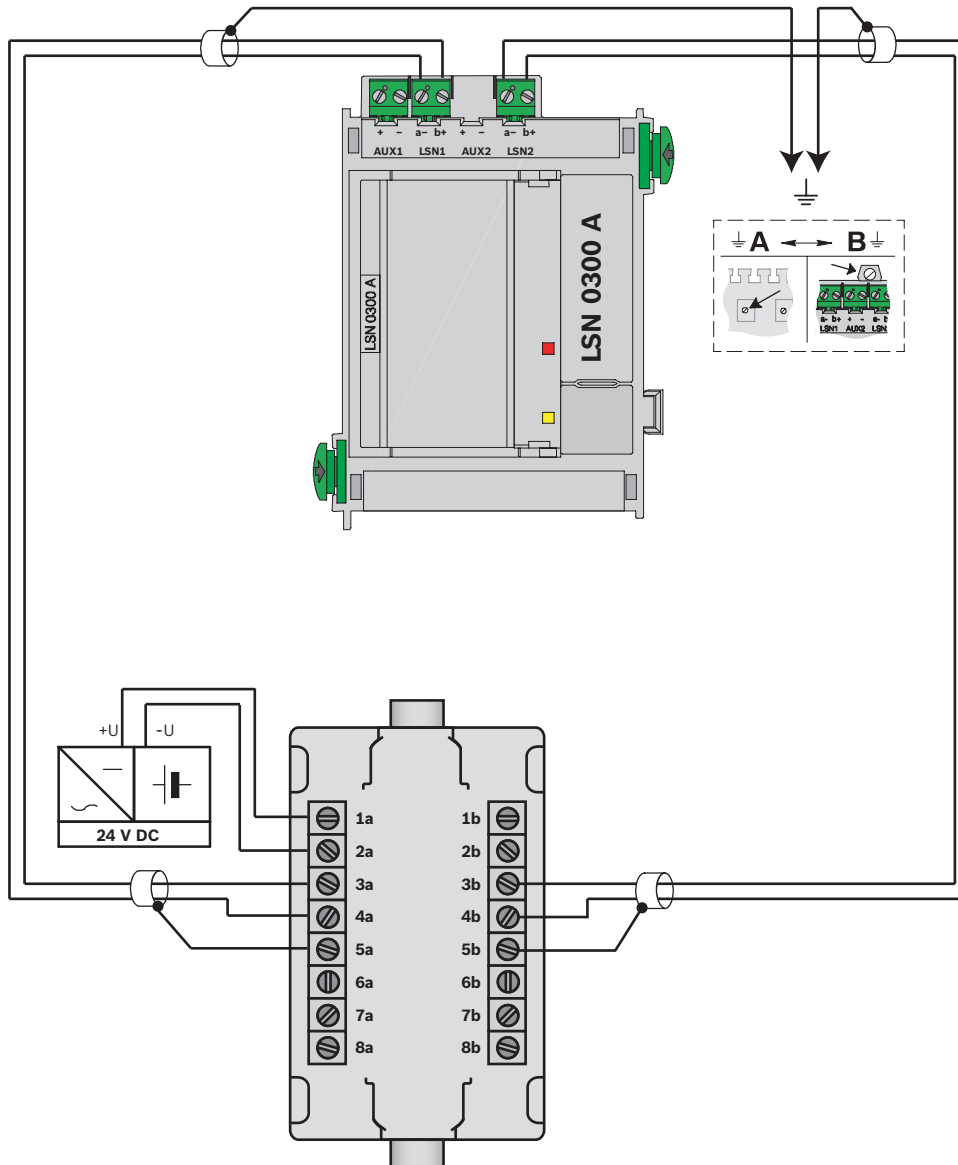


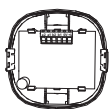
FAS-420 Series



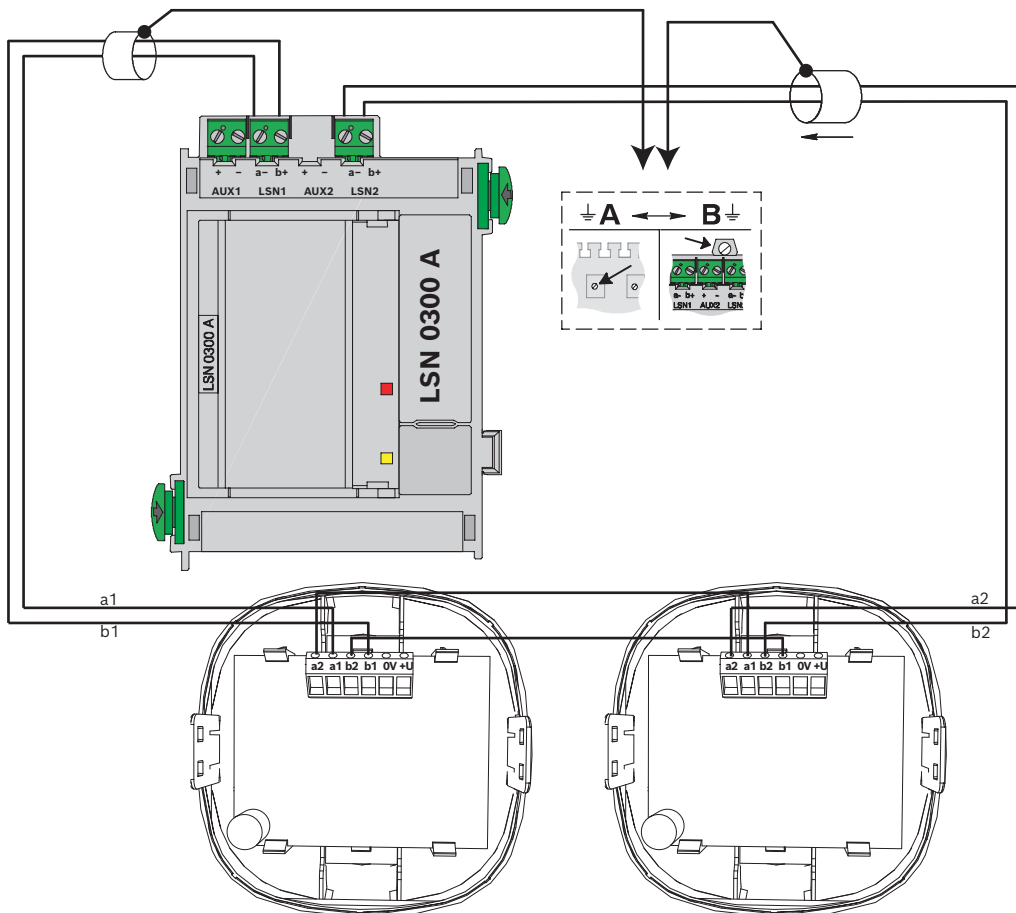
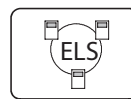


FAS-420-TM Series





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

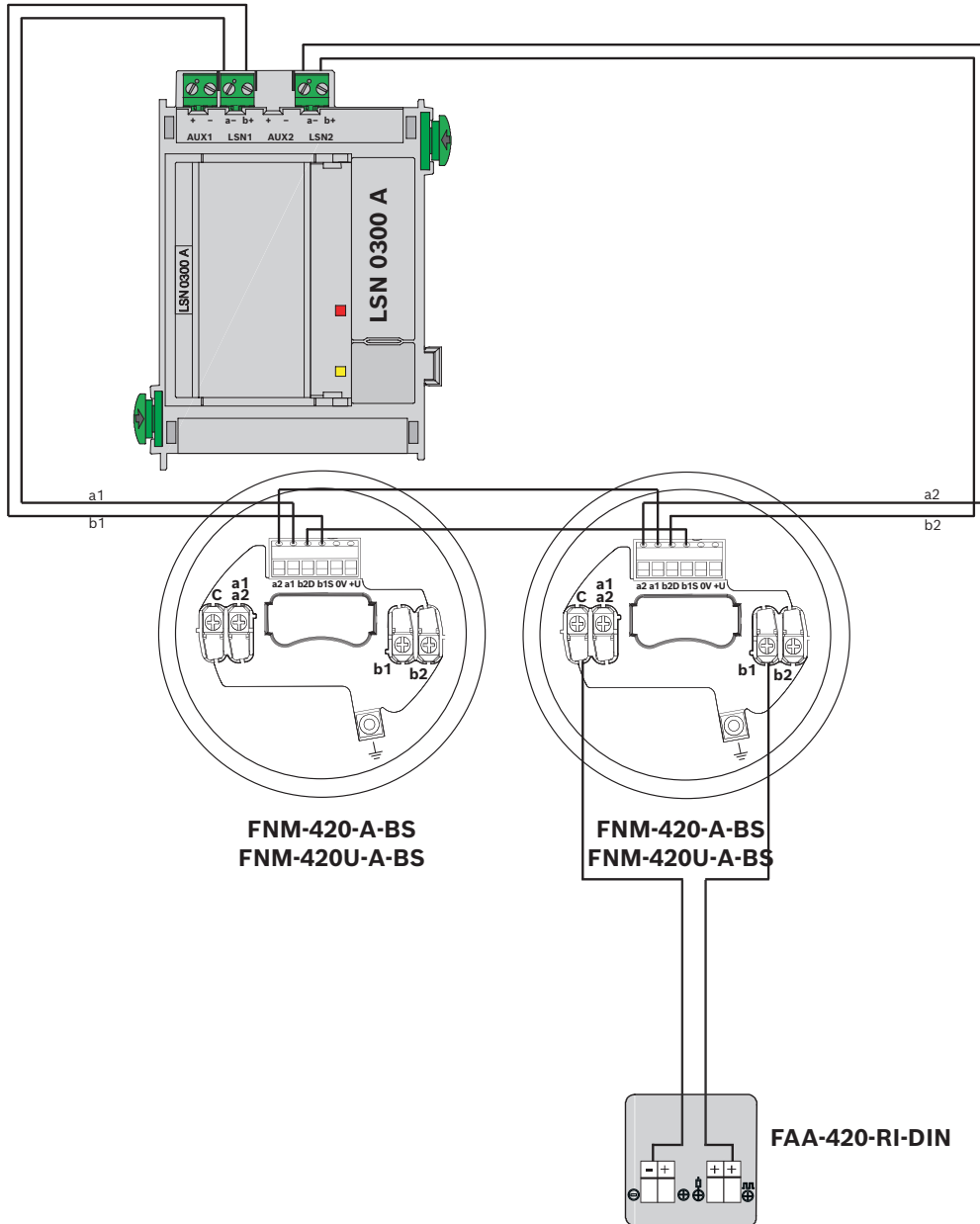
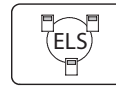


FNM-420-A/-B
FNM-420U-A/-B
FNM-420V-A

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

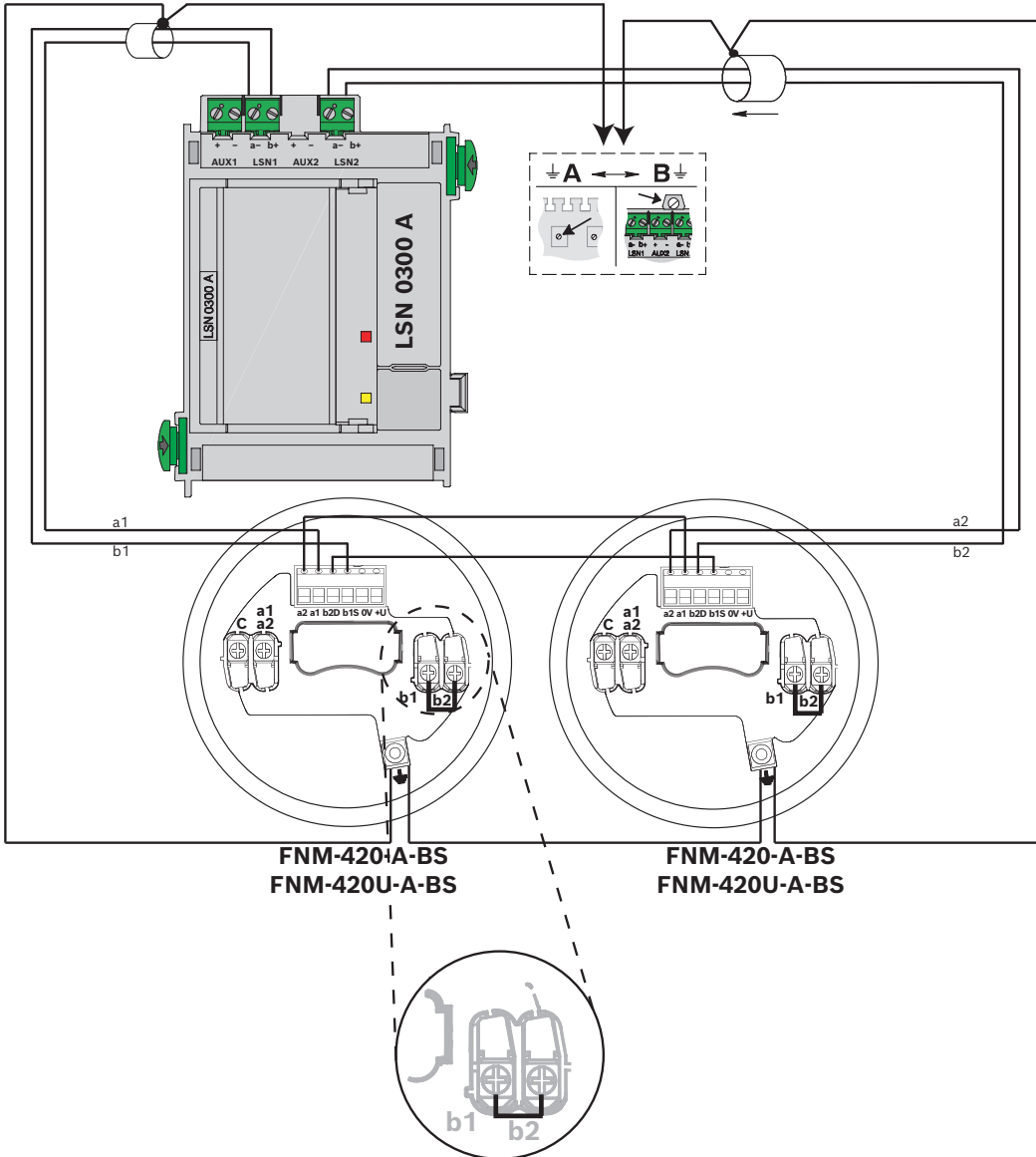
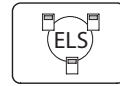


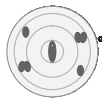
FNM-420-A-BS
FNM-420U-A-BS



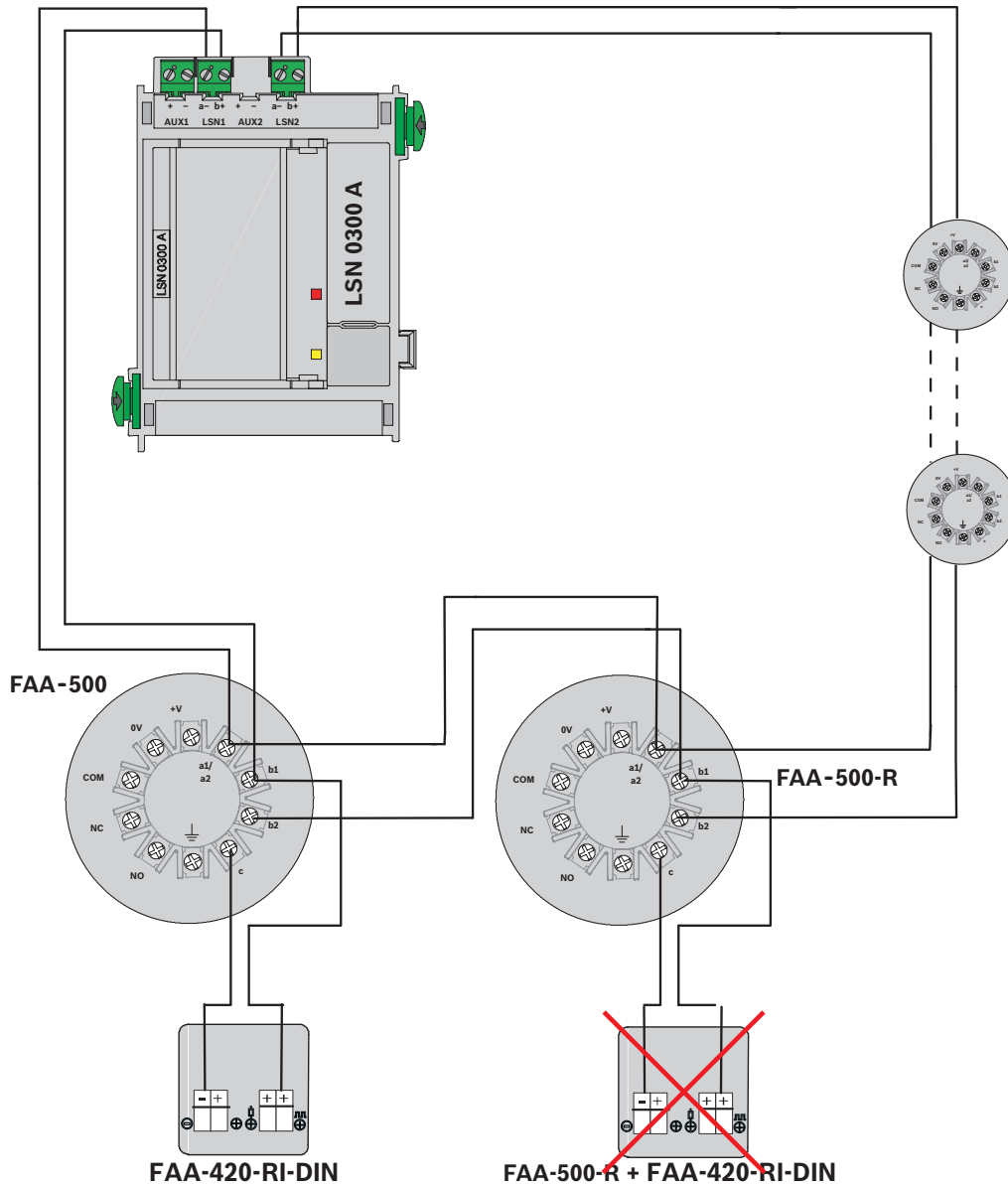
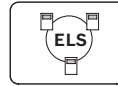


FNM-420-A-BS
FNM-420U-A-BS



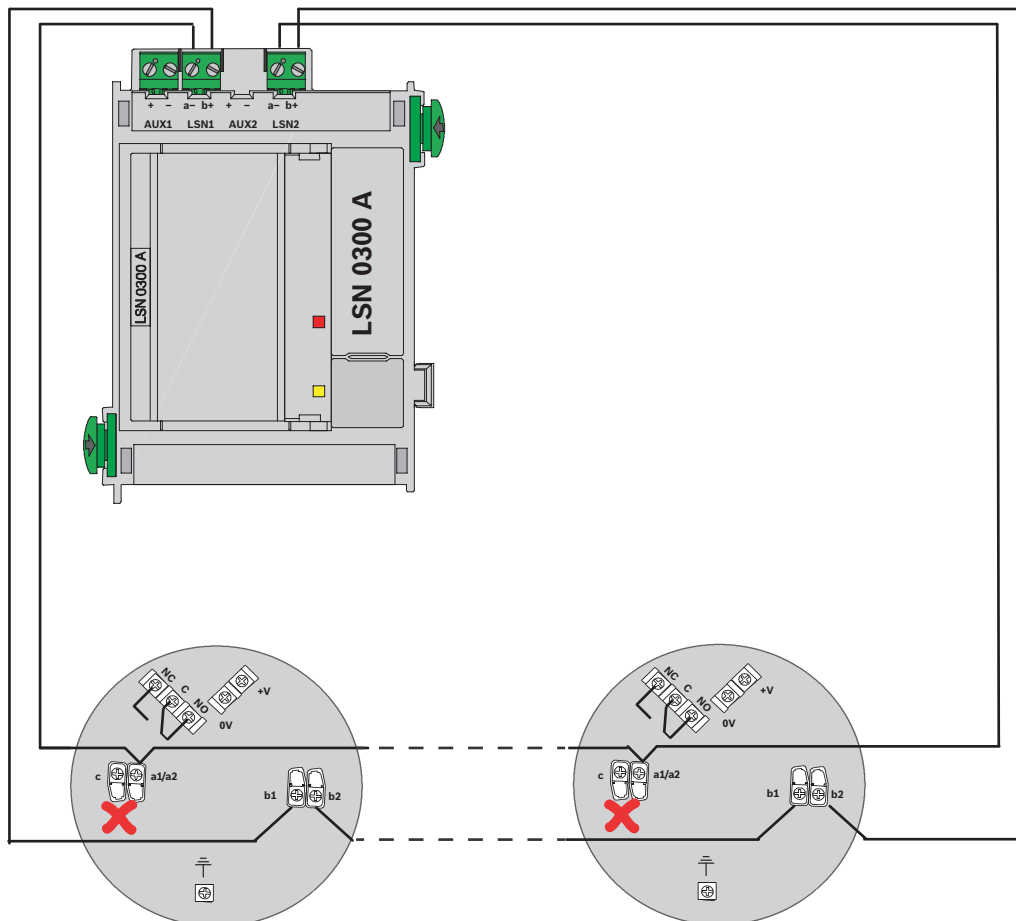
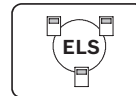


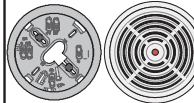
FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P



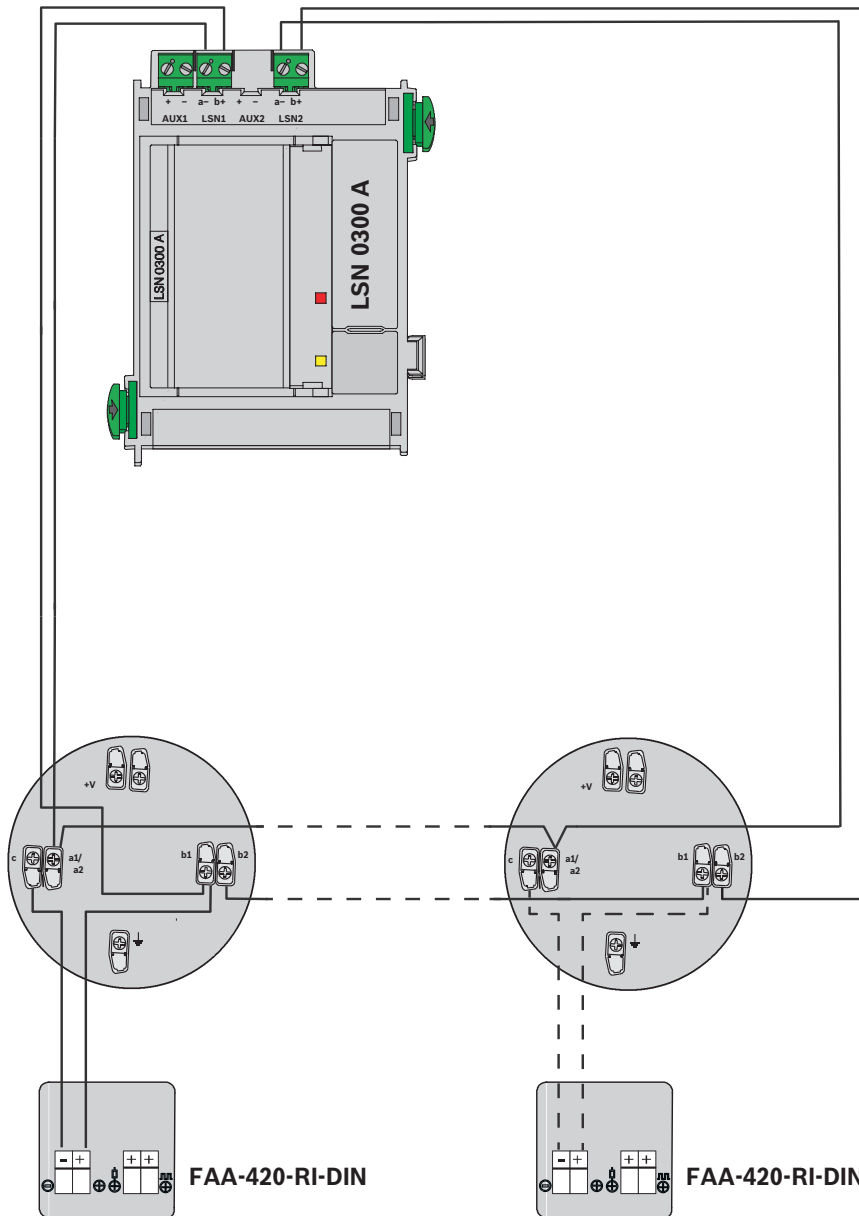
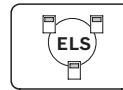


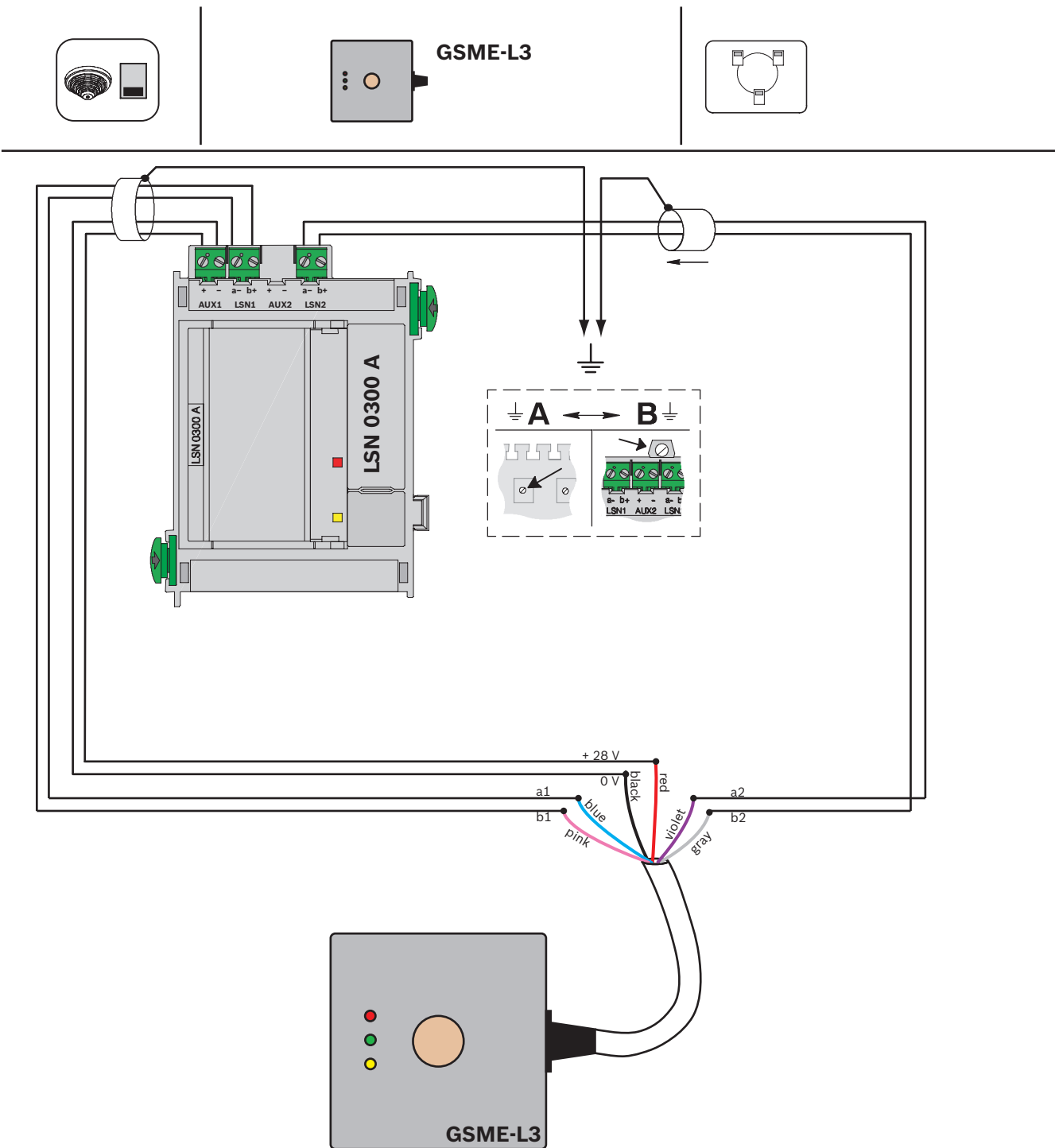
FAA-MSR-420
FAP-425-O, FAP-425-O-R
FAP-425-OT, FAP-425-OT-R
FAP-425-T-R
FAP-425-DO-R, FAP-425-DOT-R
FAP-425-DOTC-R, FAP-425-DOTCO-R

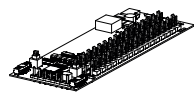




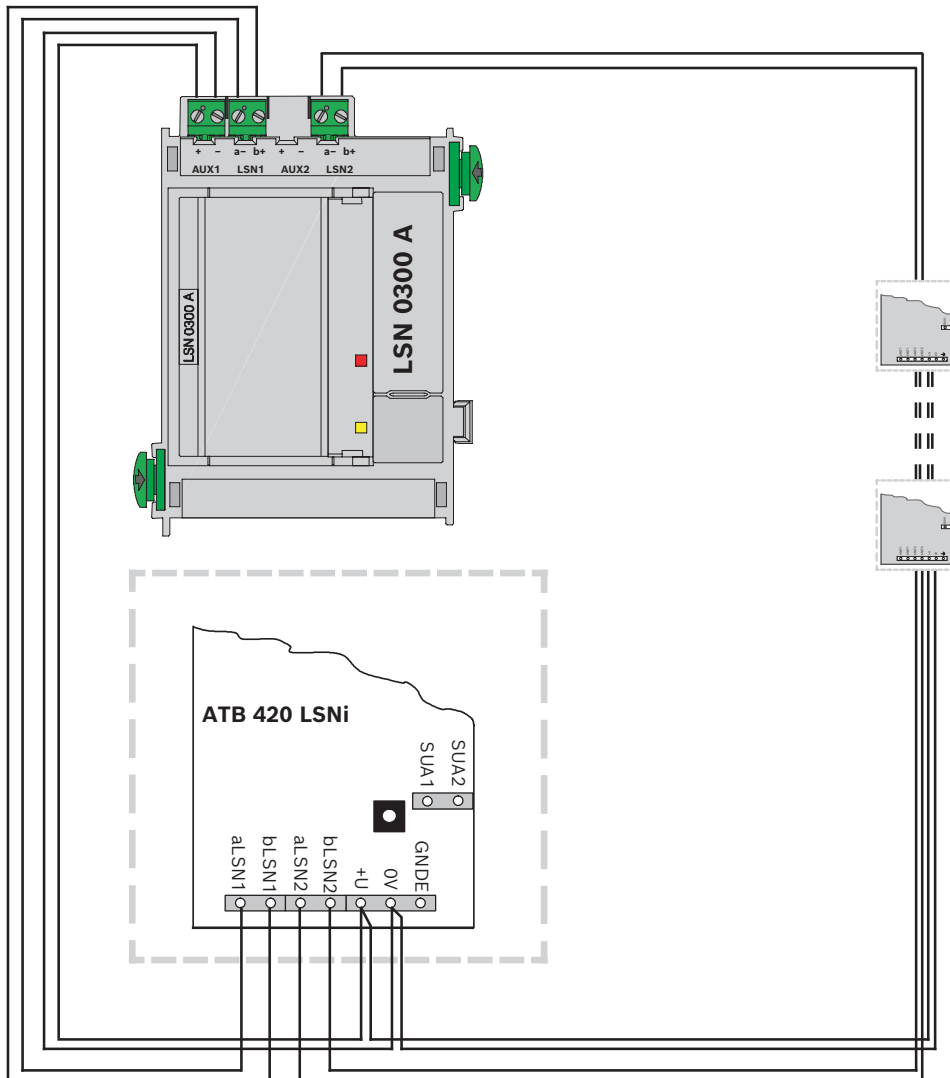
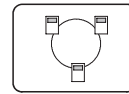
MS 400, MS 400 B
 FAP-425-O, FAP-425-O-R
 FAP-425-OT, FAP-425-OT-R
 FAP-425-T-R
 FAP-425-DO-R, FAP-425-DOT-R
 FAP-425-DOTC-R, FAP-425-DOTCO-R





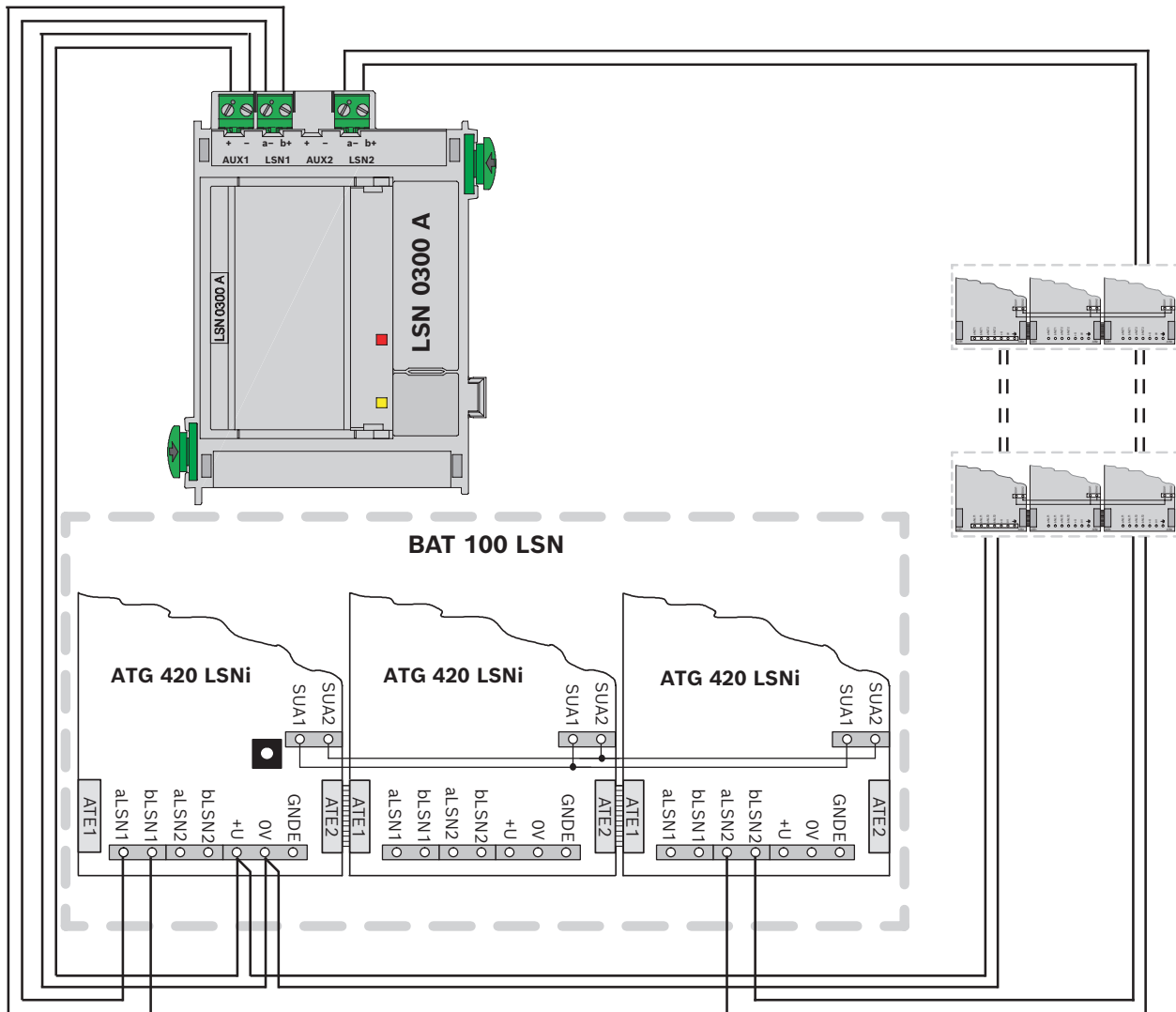
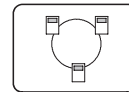


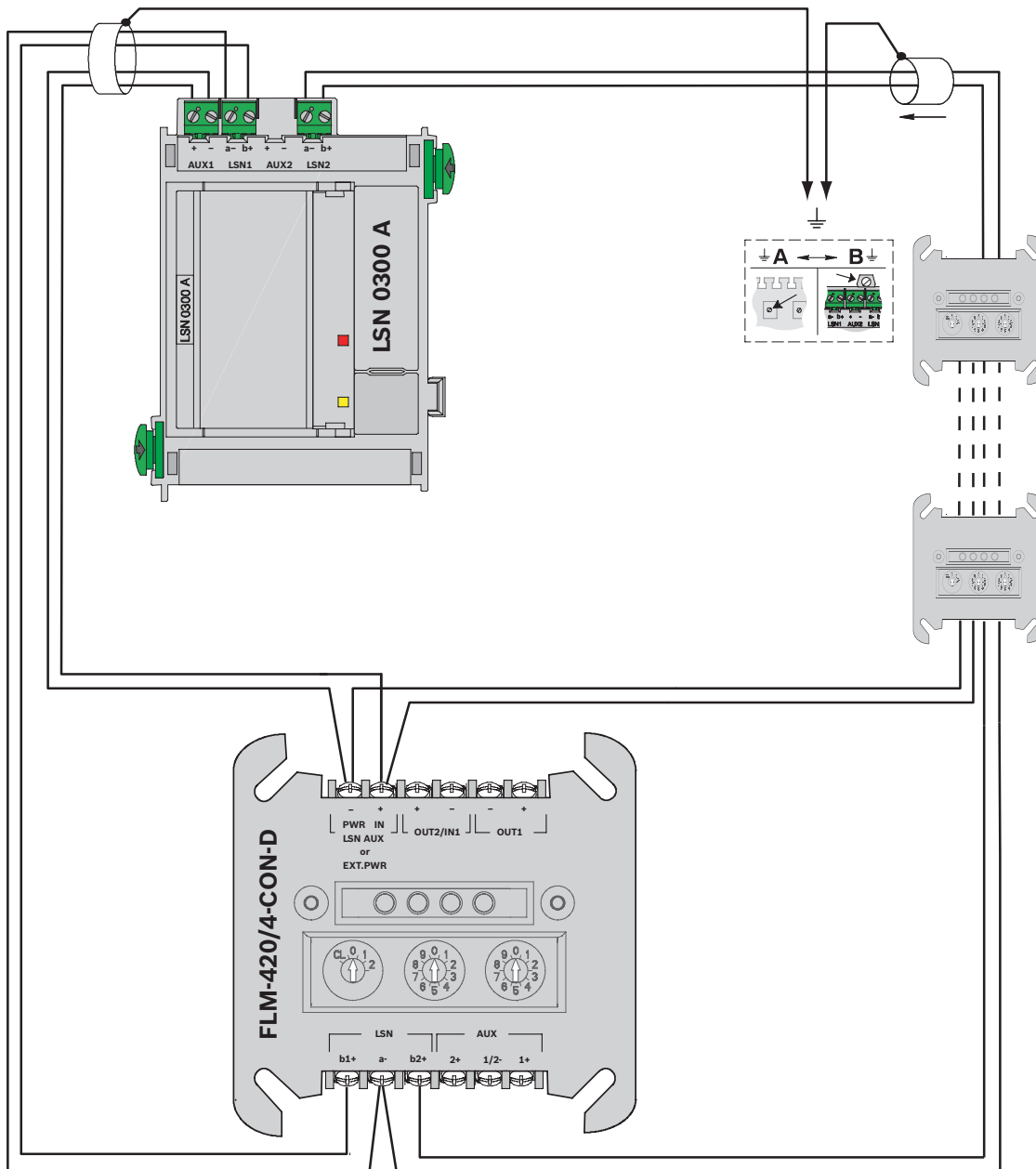
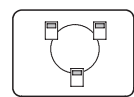
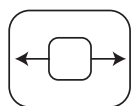
ATB 420 LSNi





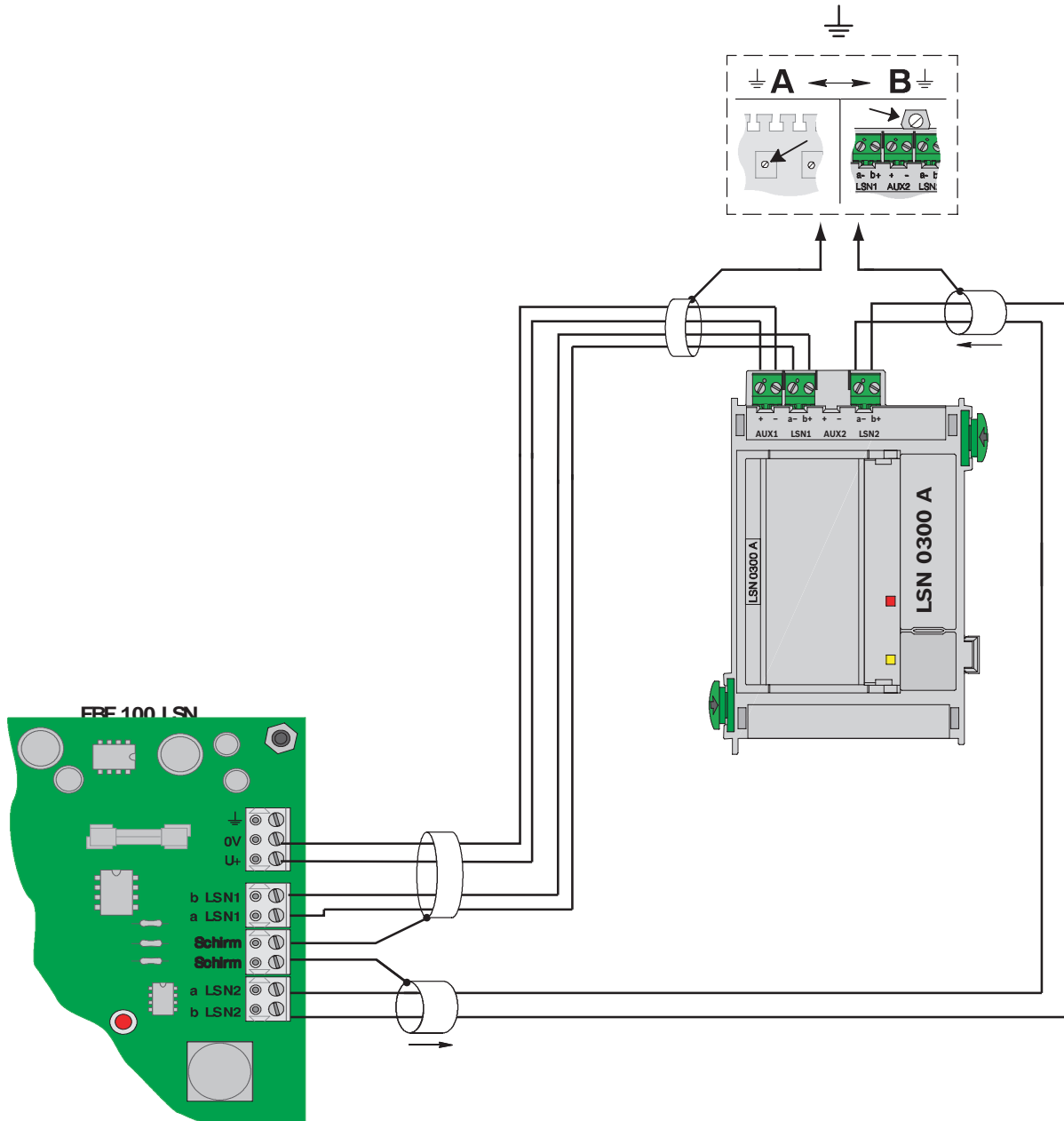
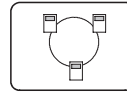
BAT 100 LSN
ATG 420 LSNi

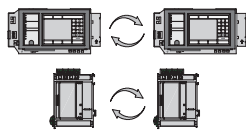




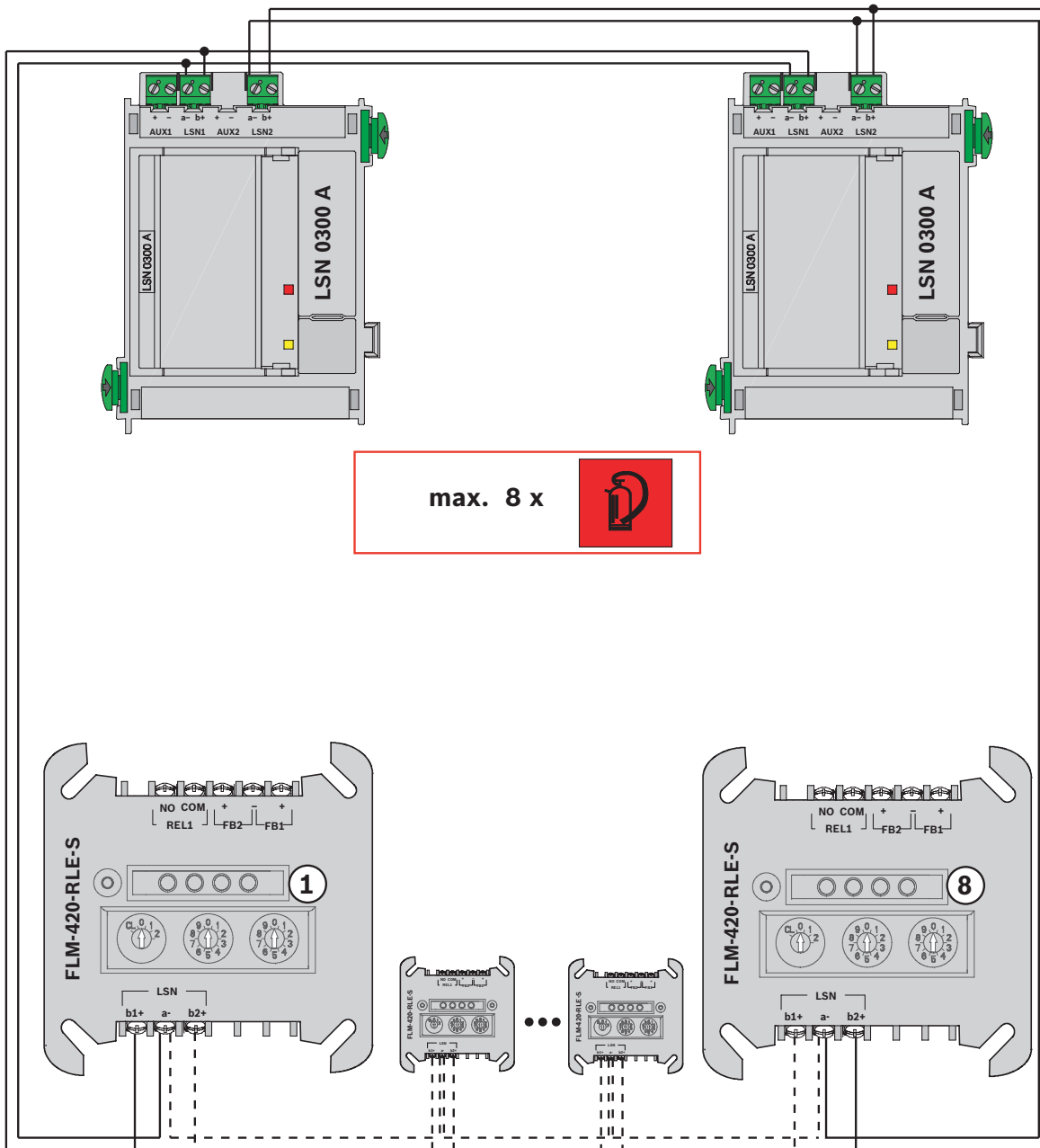
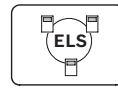


FBF 100 LSN



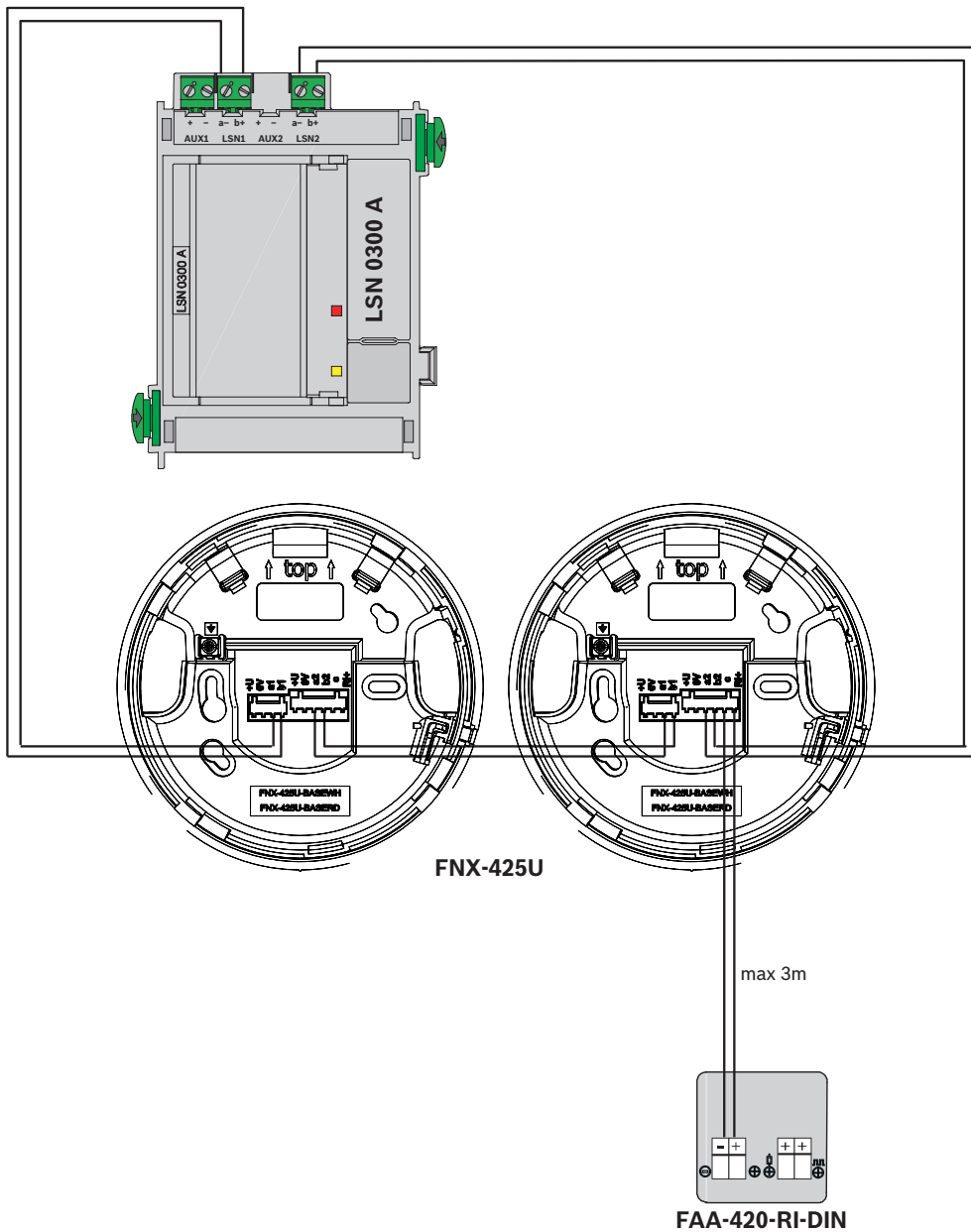
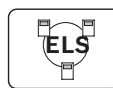


FLM-420-RLE-S





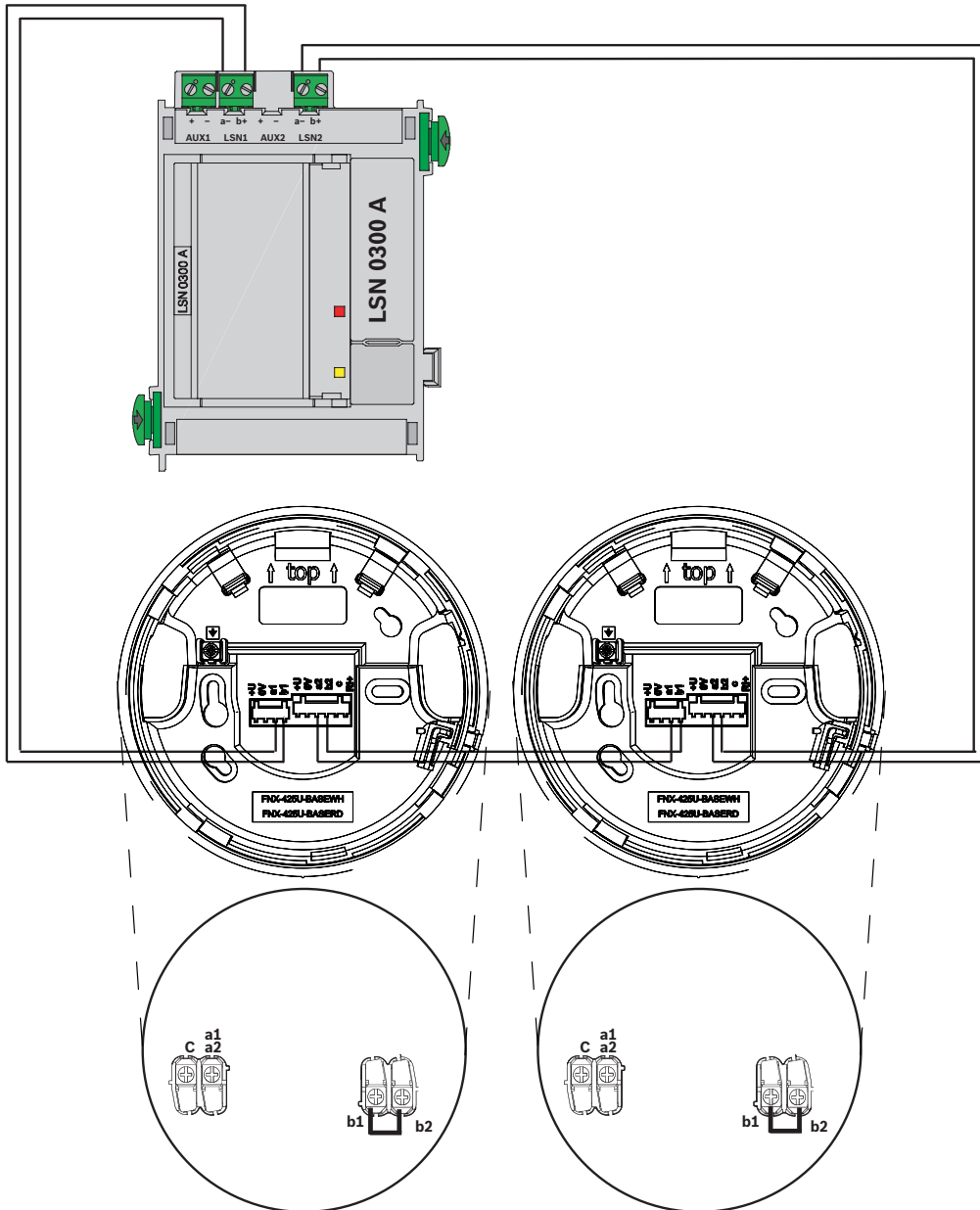
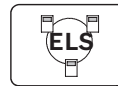
FNX-425U-WFWH
FNX-425U-RFWH
FNX-425U-WFRD
FNX-425U-RFRD

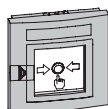
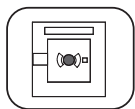




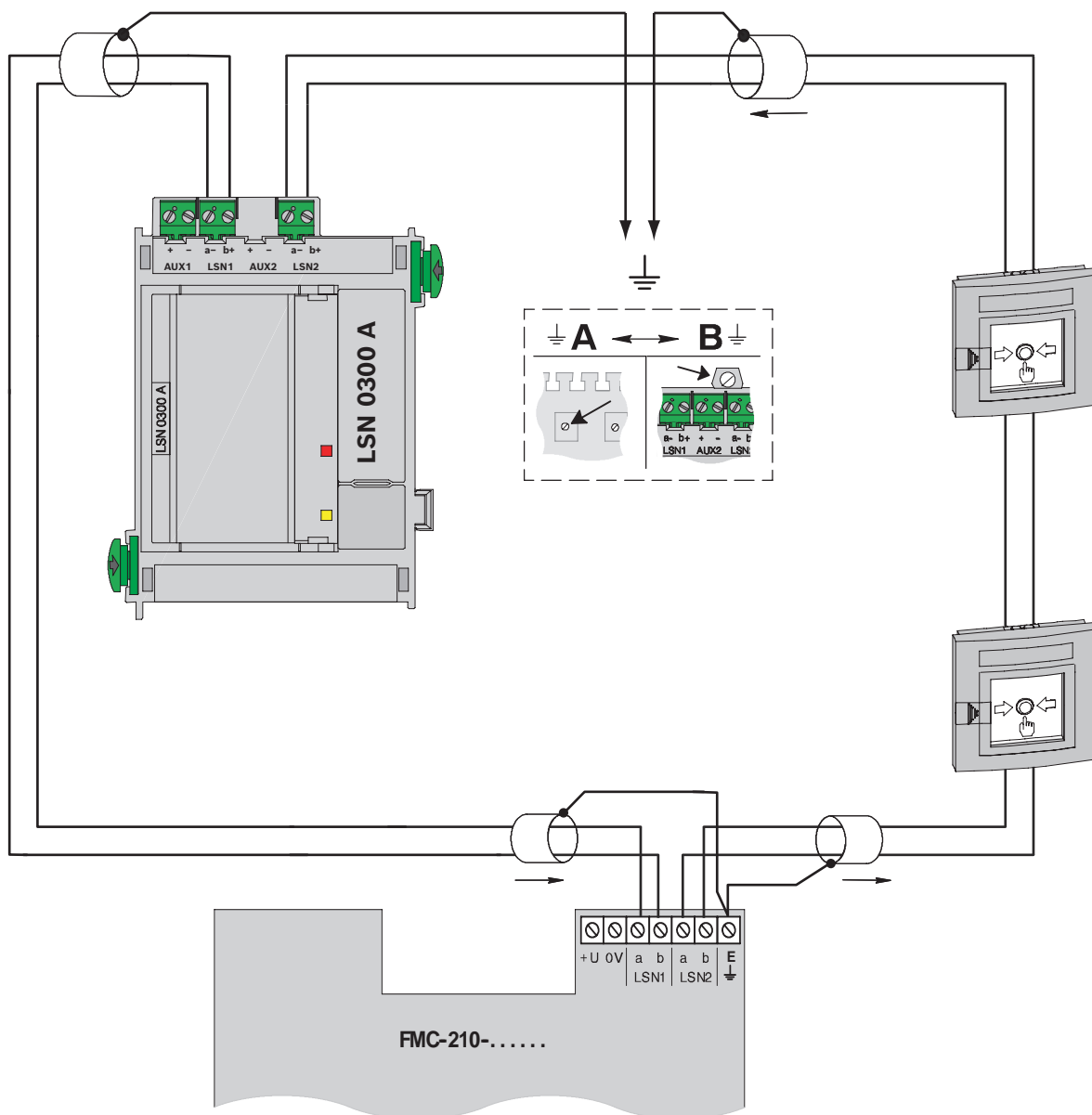
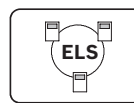
FNX-425U-WFWH
 FNX-425U-RFWH
 FNX-425U-WFRD
 FNX-425U-RFRD

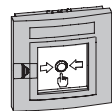
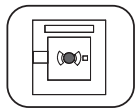
+ FNX-425U-COVWH
 + FNX-425U-COVRD



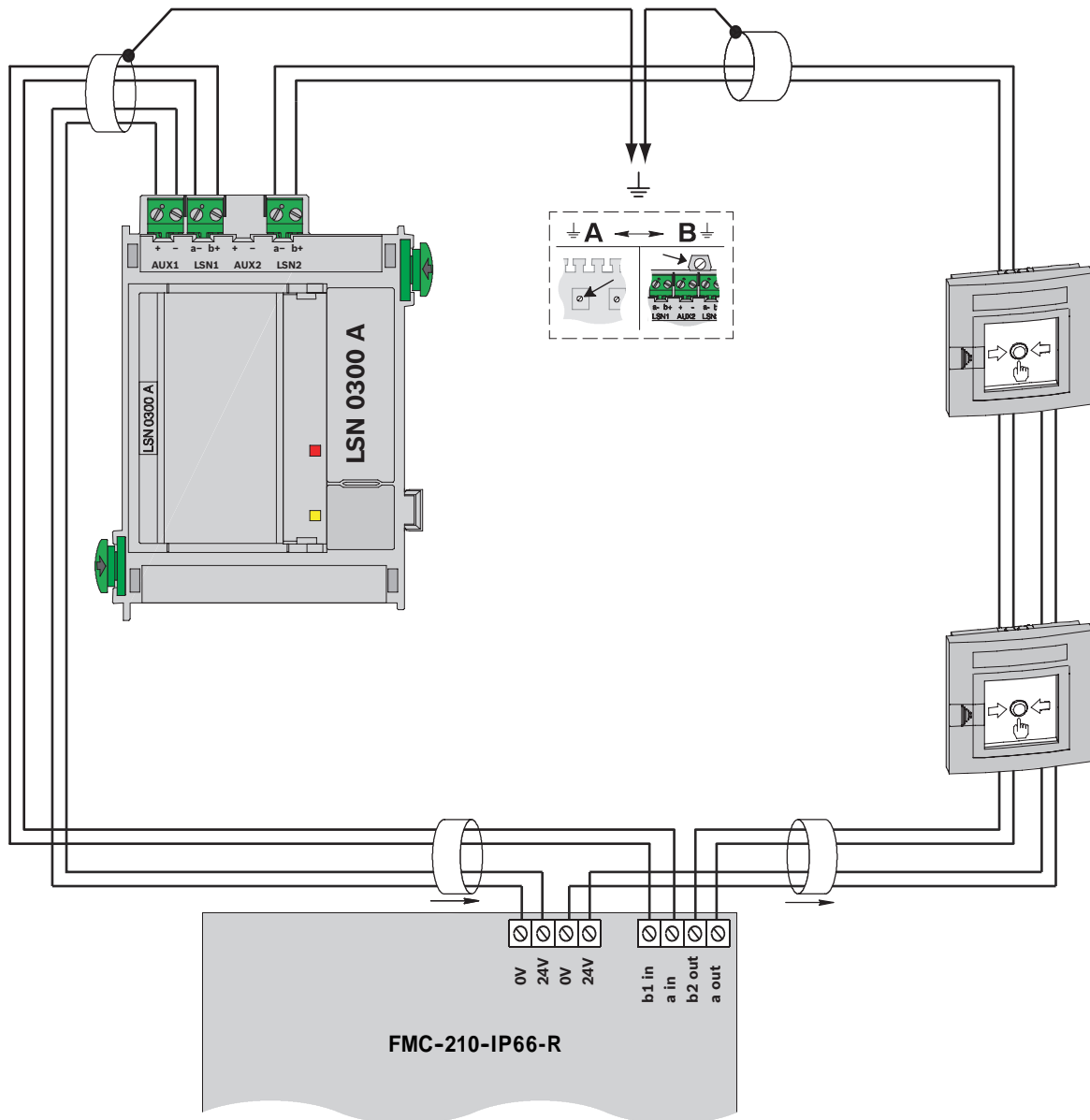
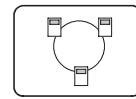


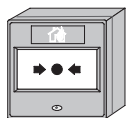
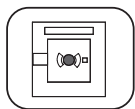
FMC-210...



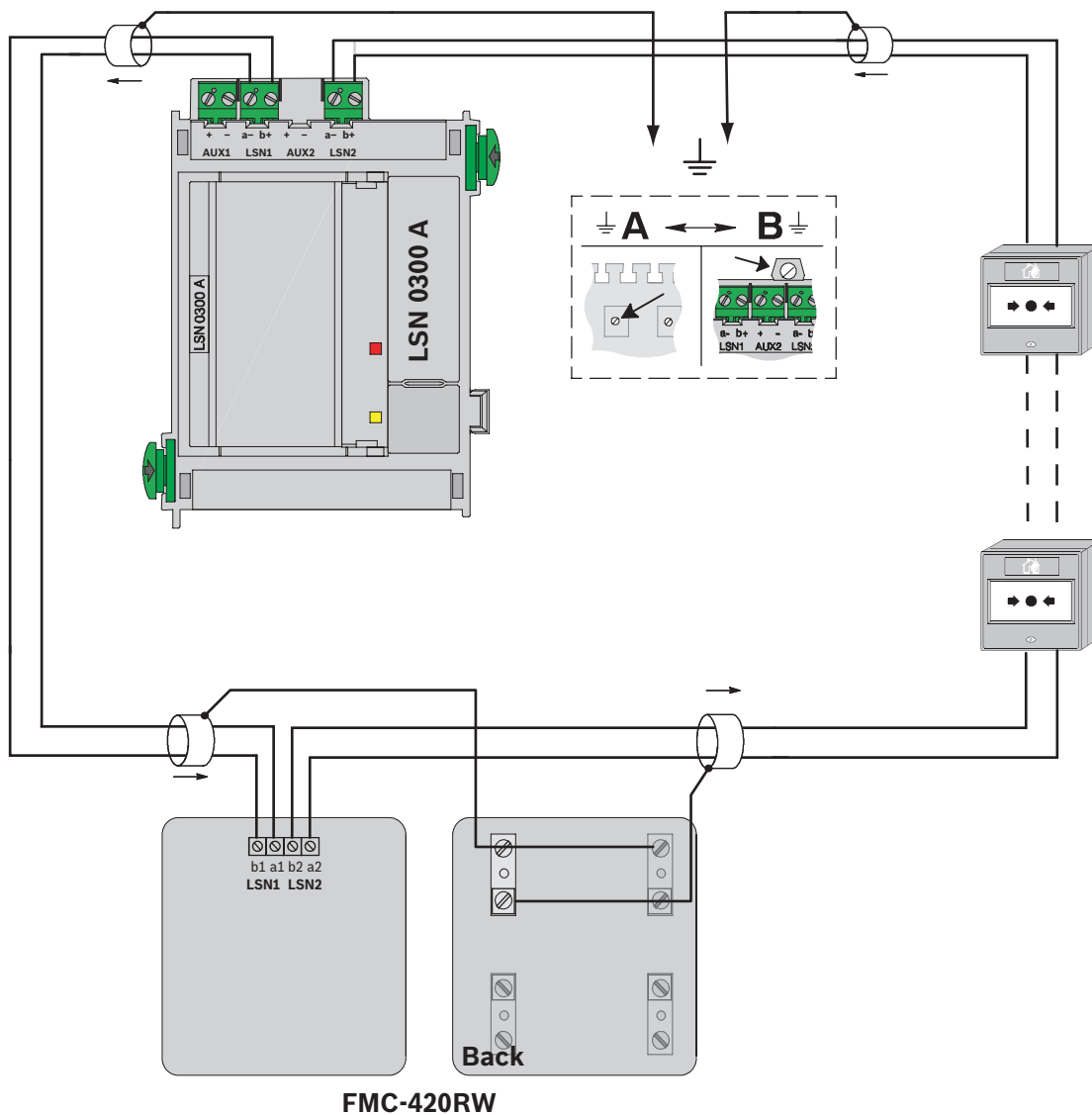
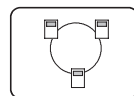


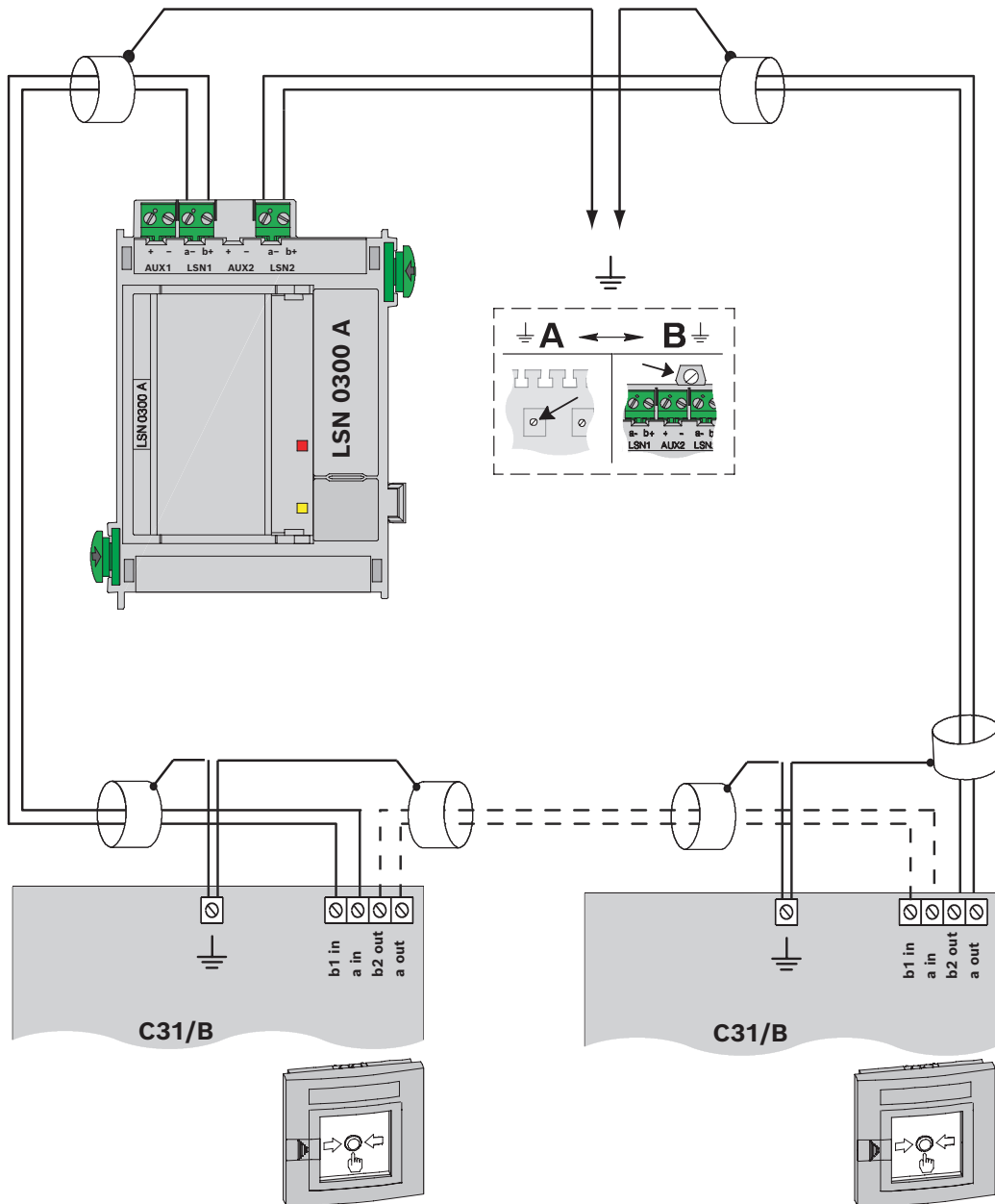
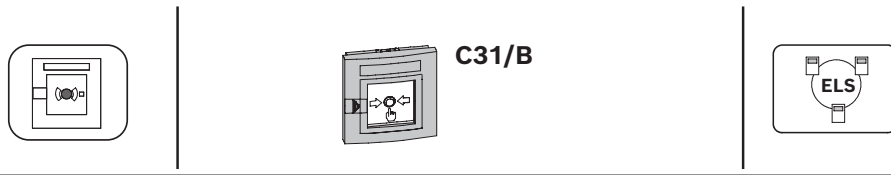
FMC-210-IP66-R

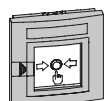
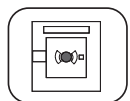




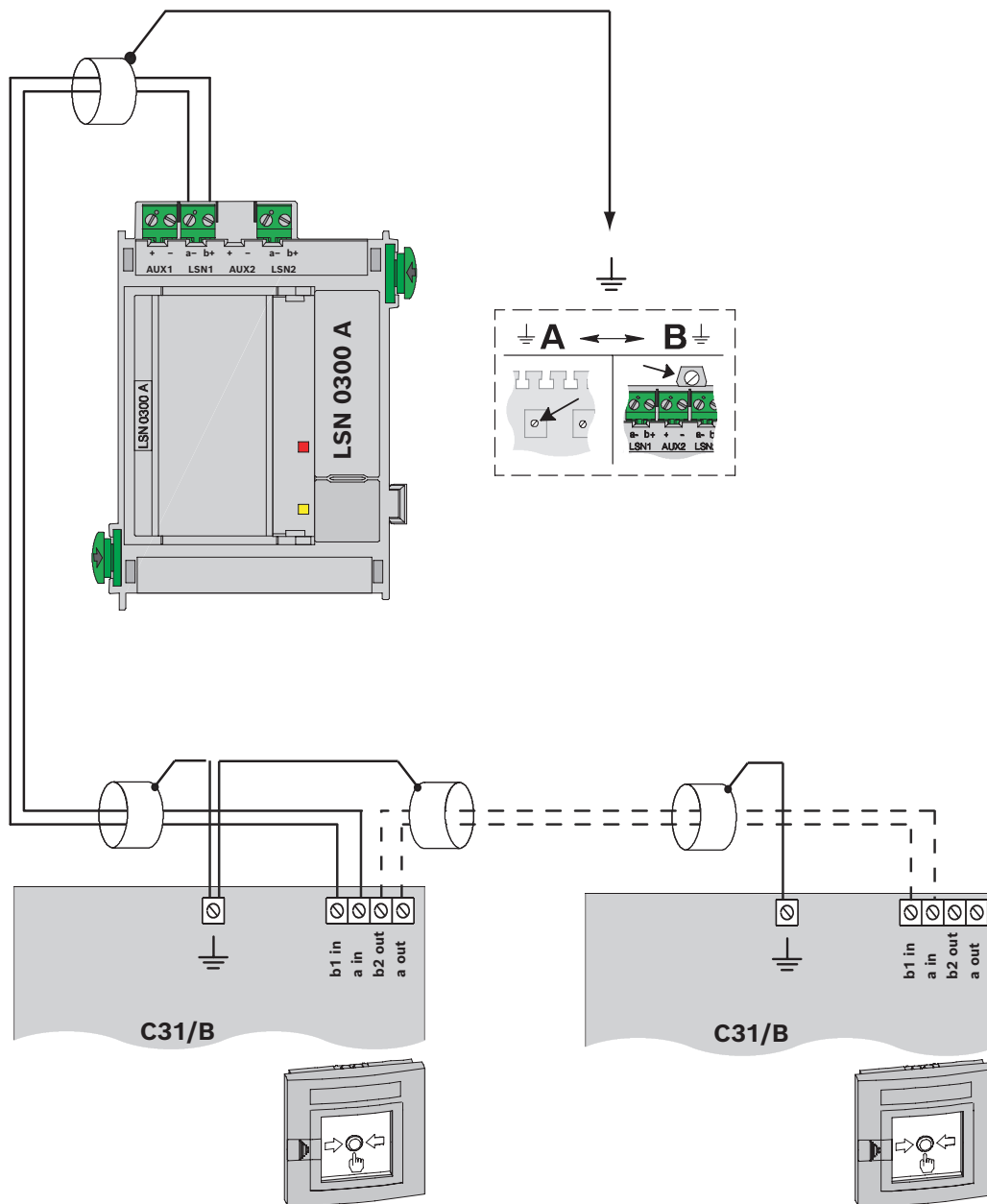
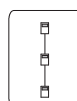
FMC-420RW-HSGRD
 FMC-420RW-HSRRD
 FMC-420RW-GFGRD
 FMC-420RW-GFRRD
 FMC-420RW-GSGRD
 FMC-420RW-GSRRD

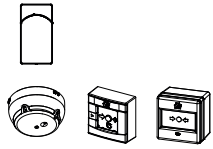






C31/B



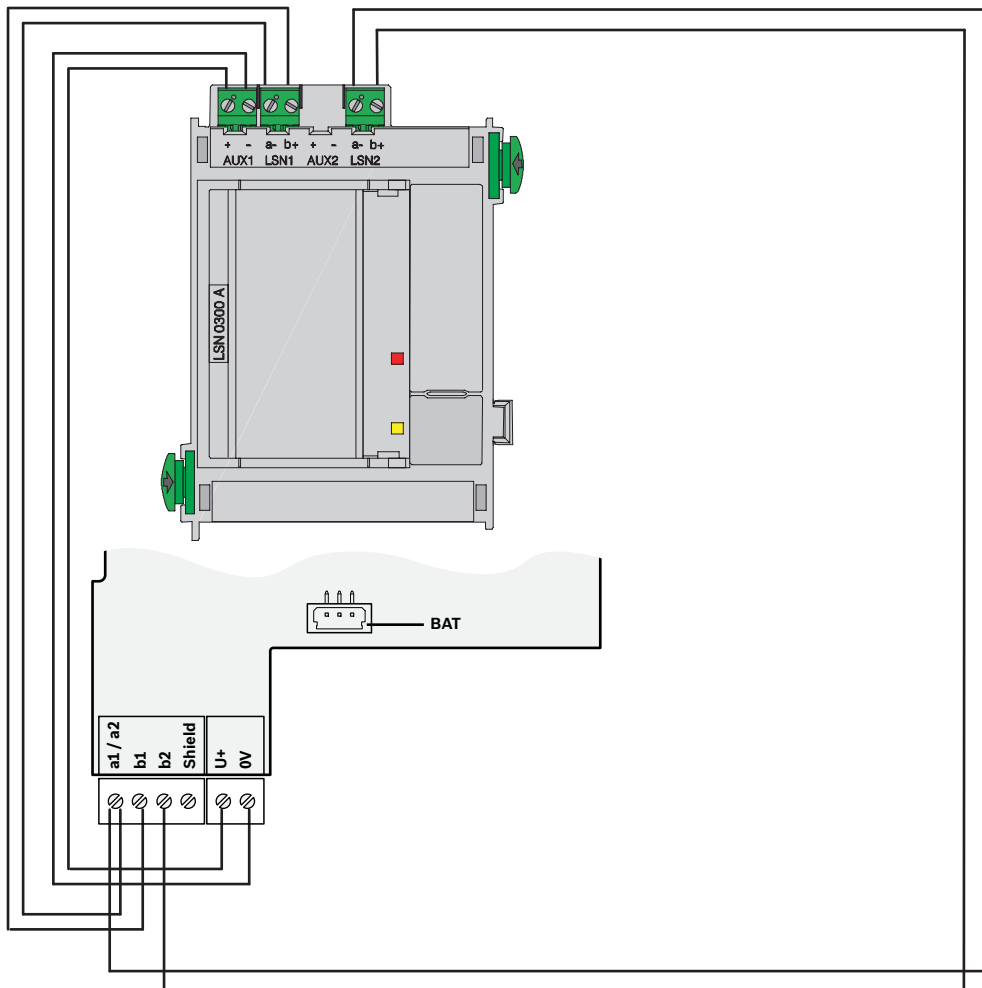
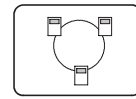


FWI-270

FDOOT271-O

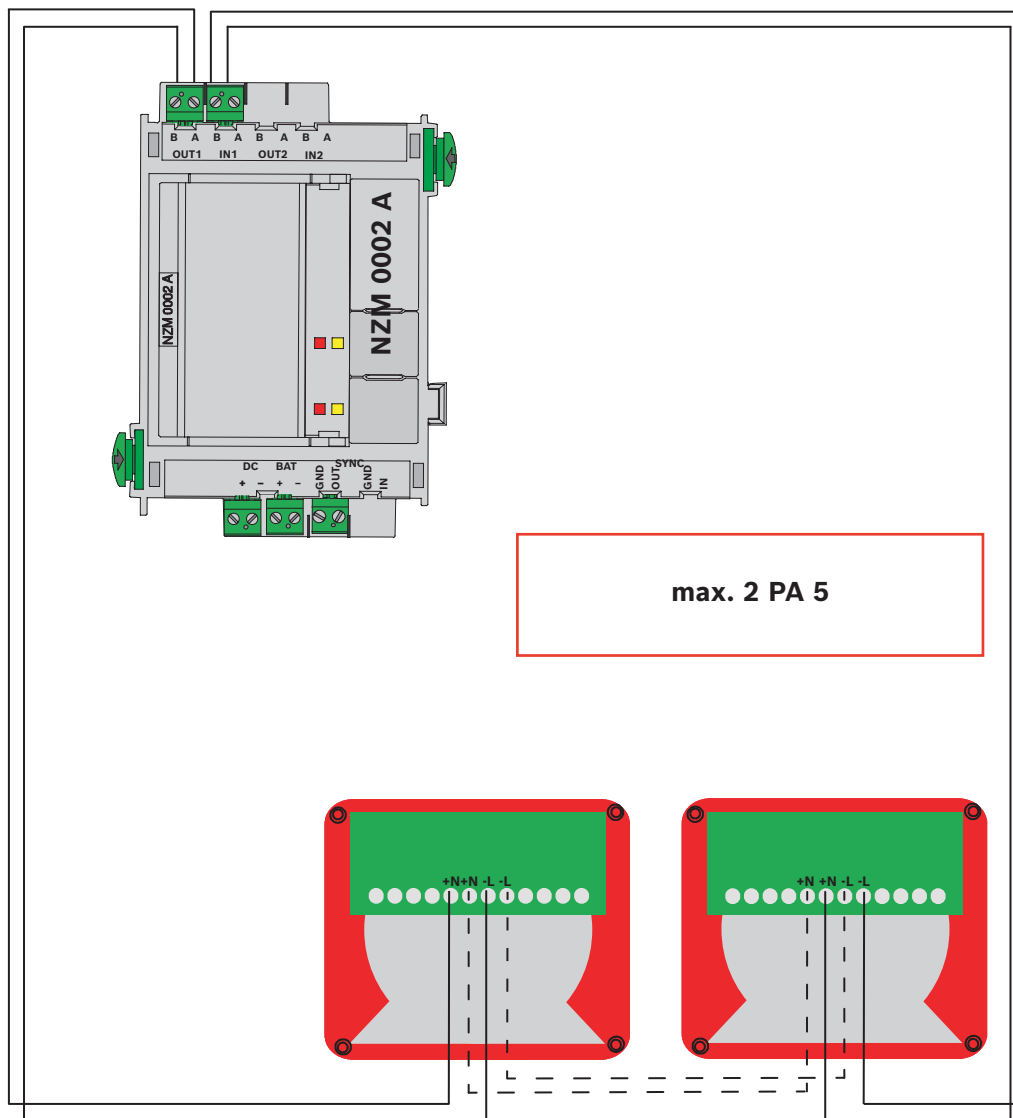
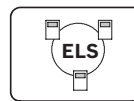
FDM275-O

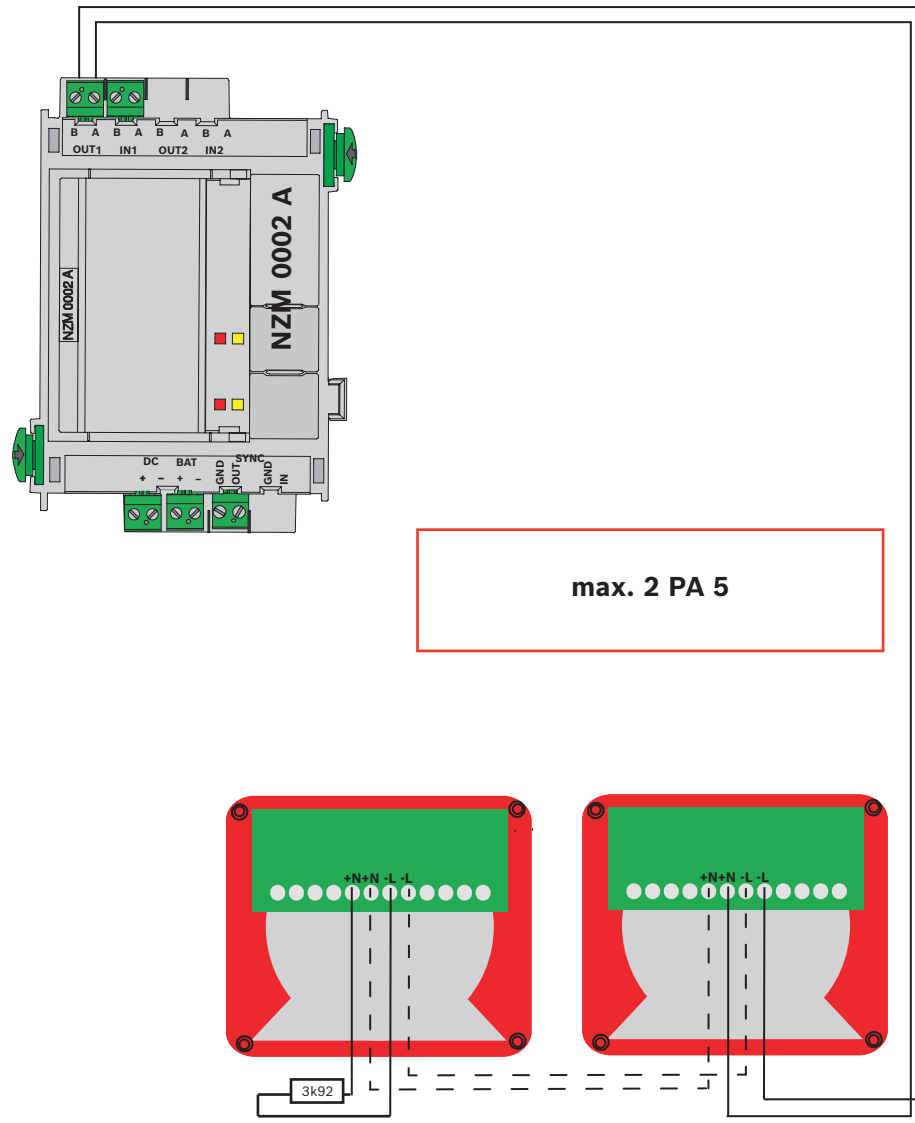
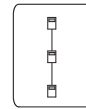
FDM273-O

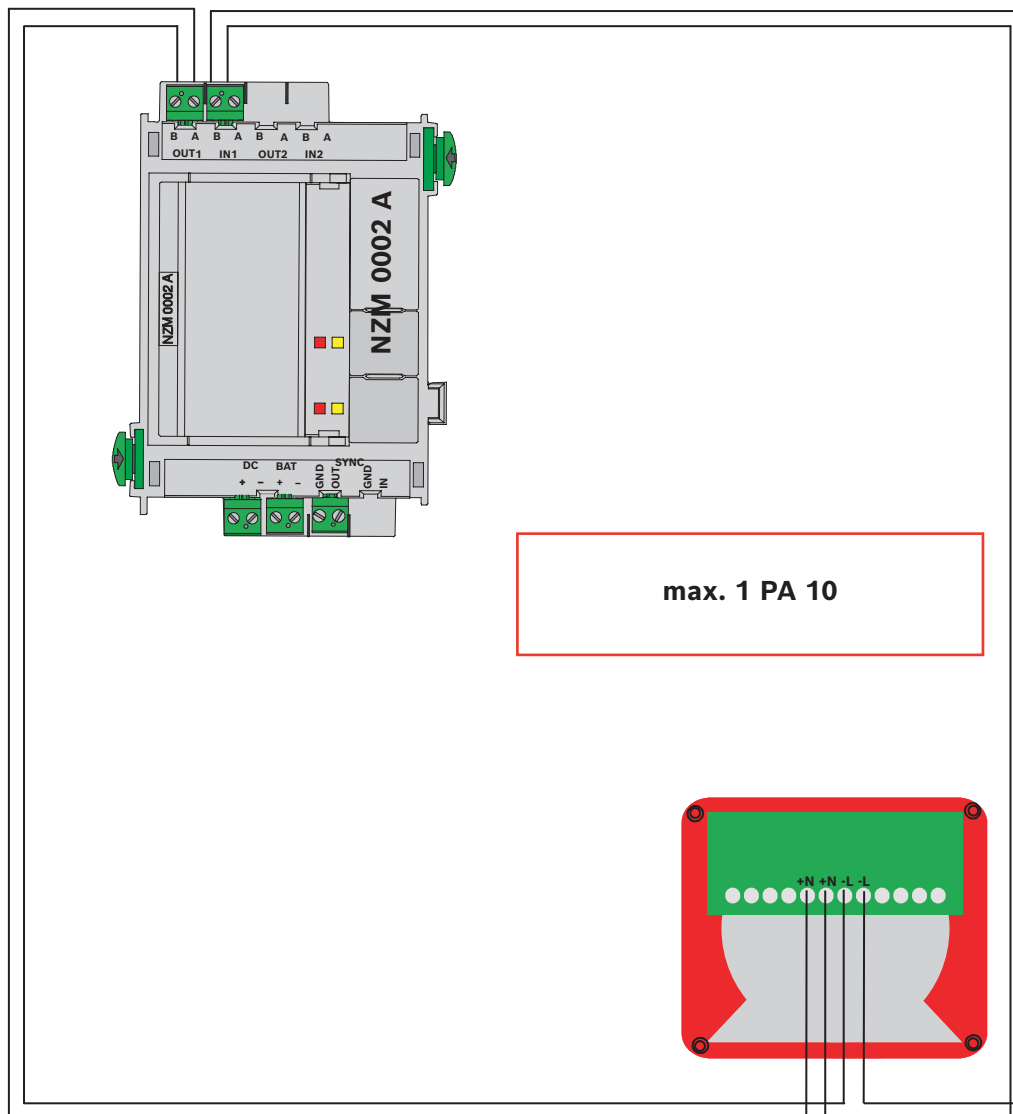
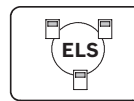


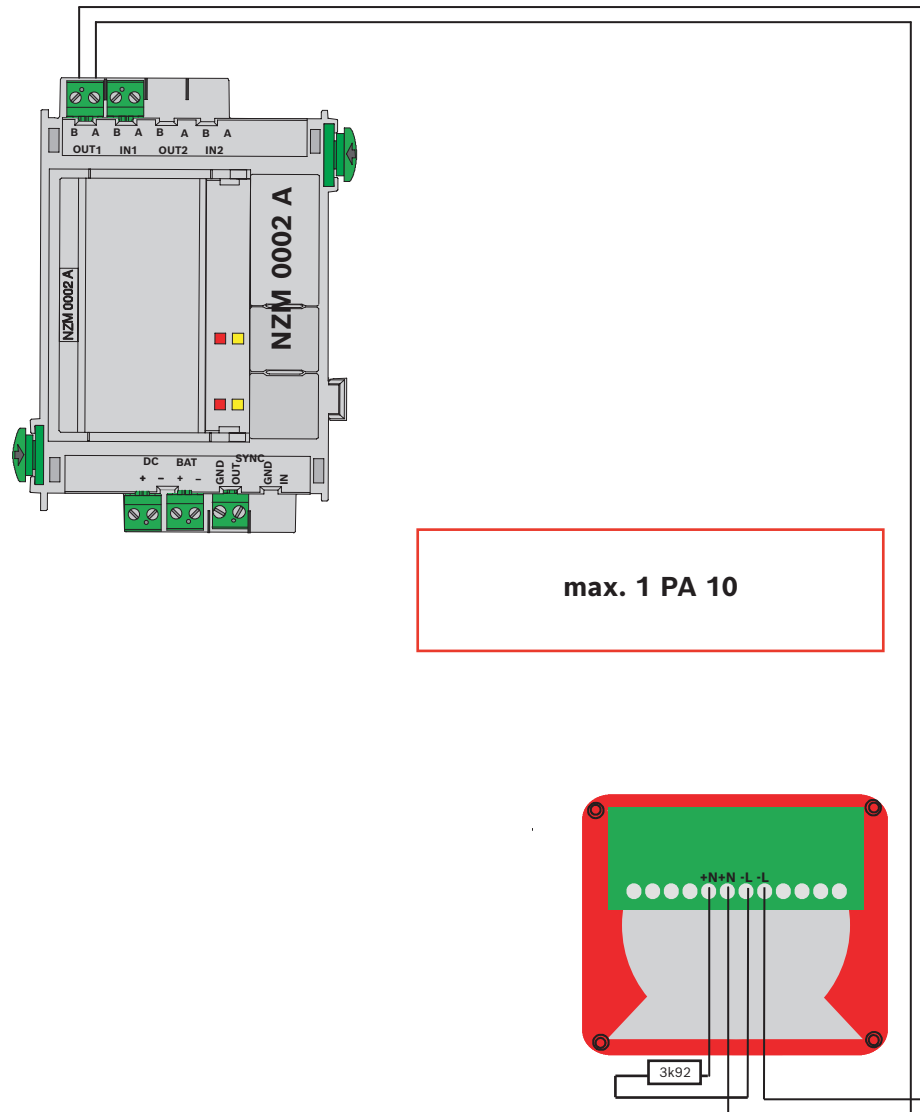
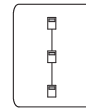
2.4.5

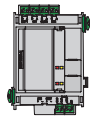
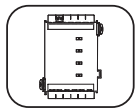
NZM 0002 A



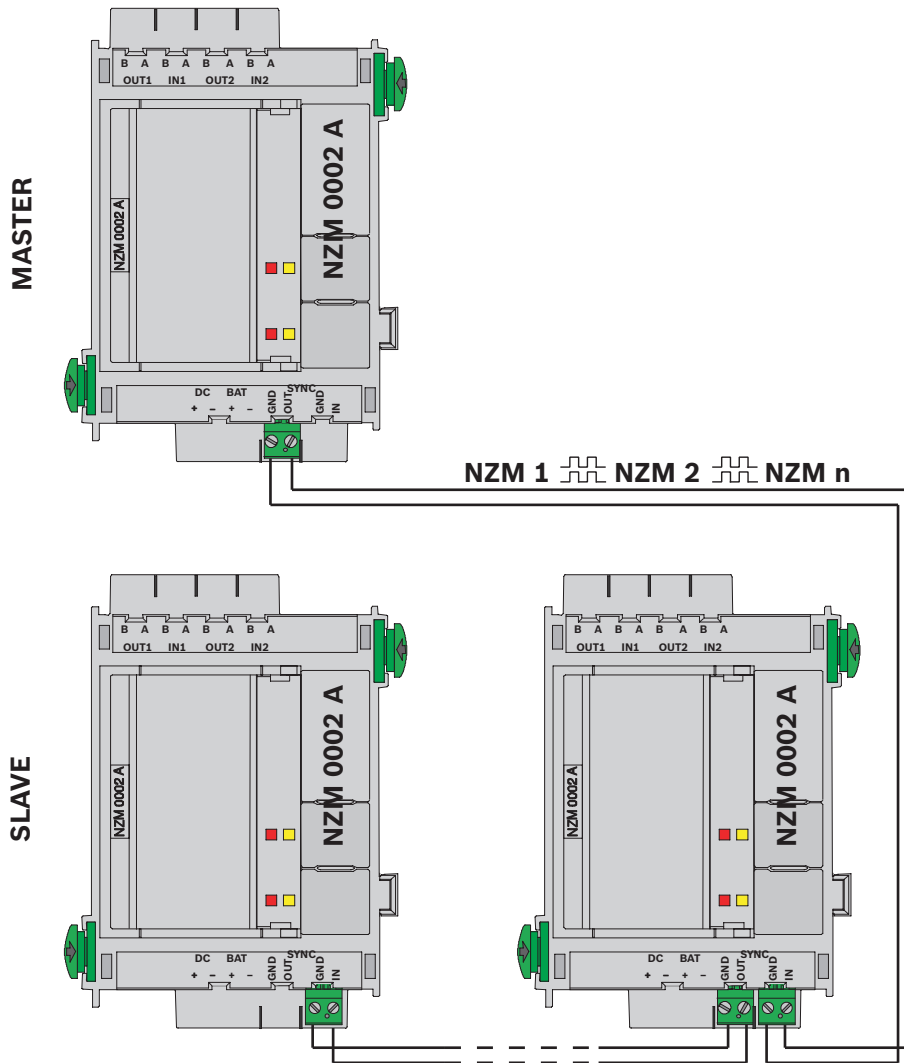


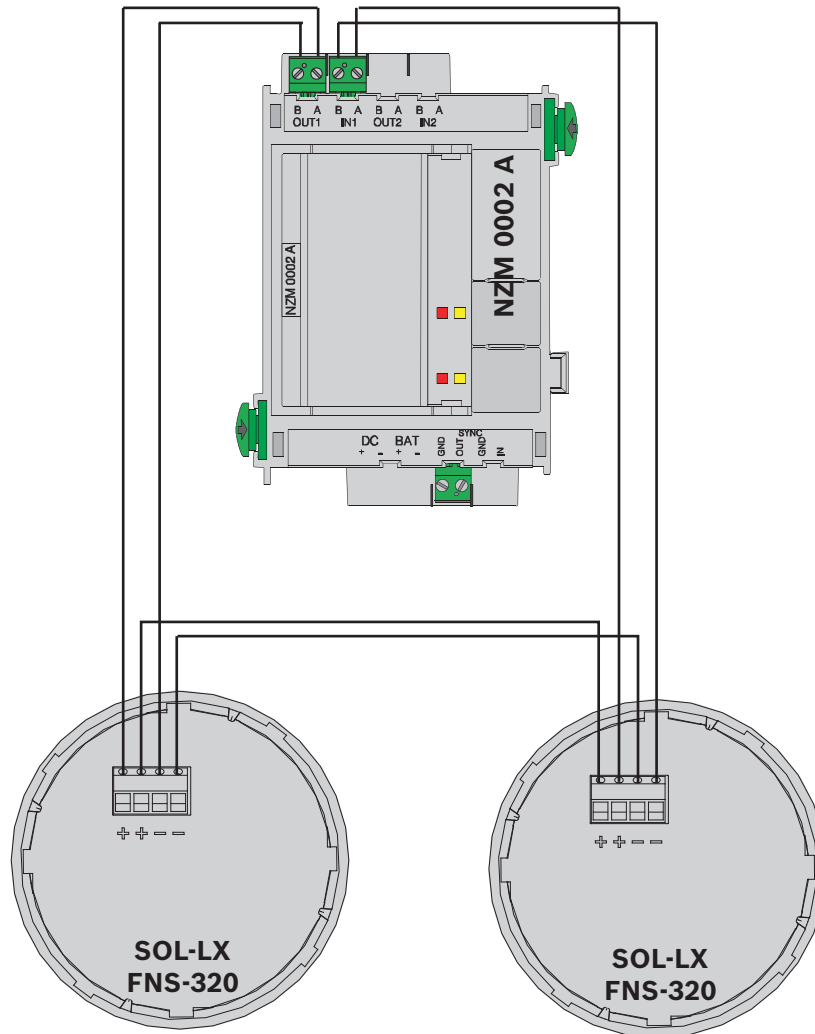
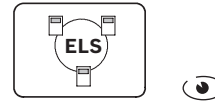


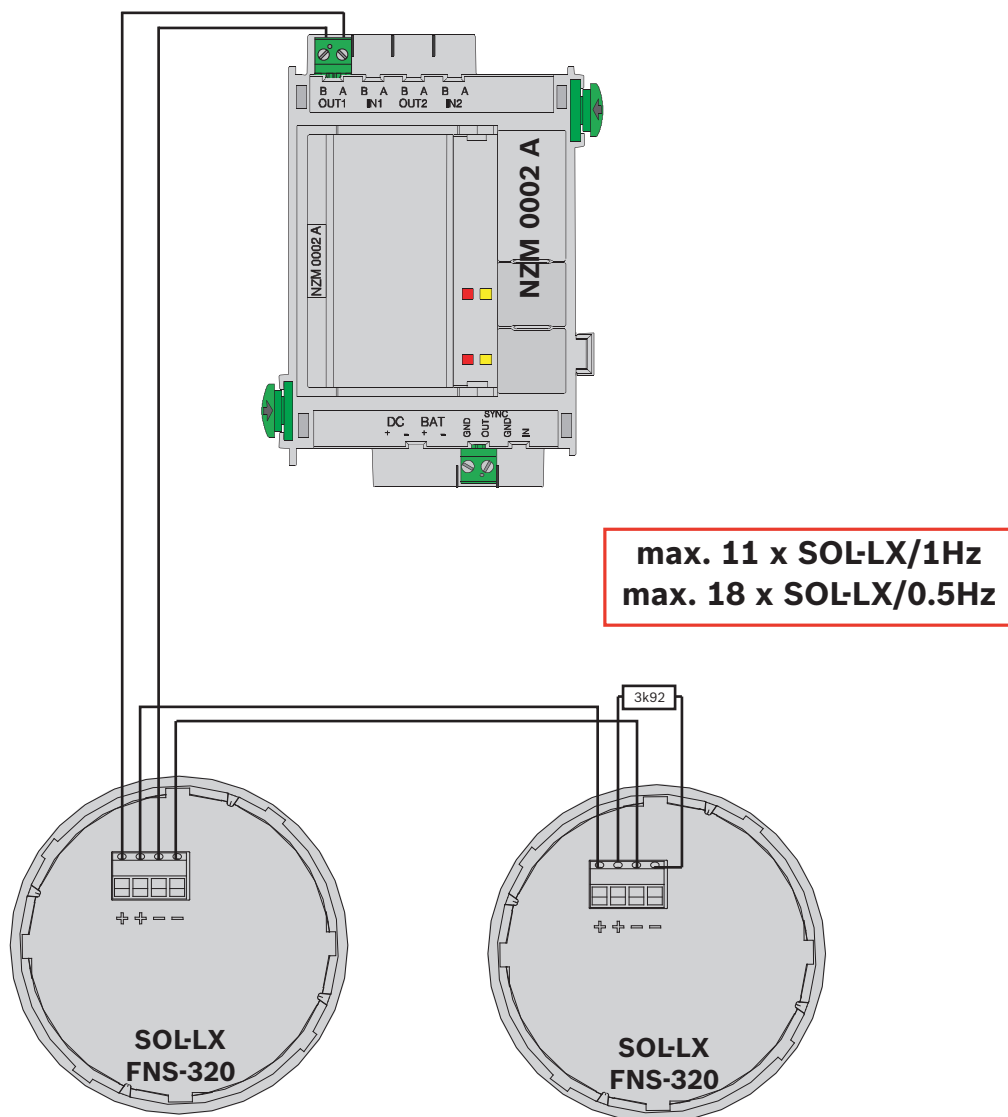
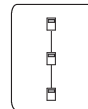


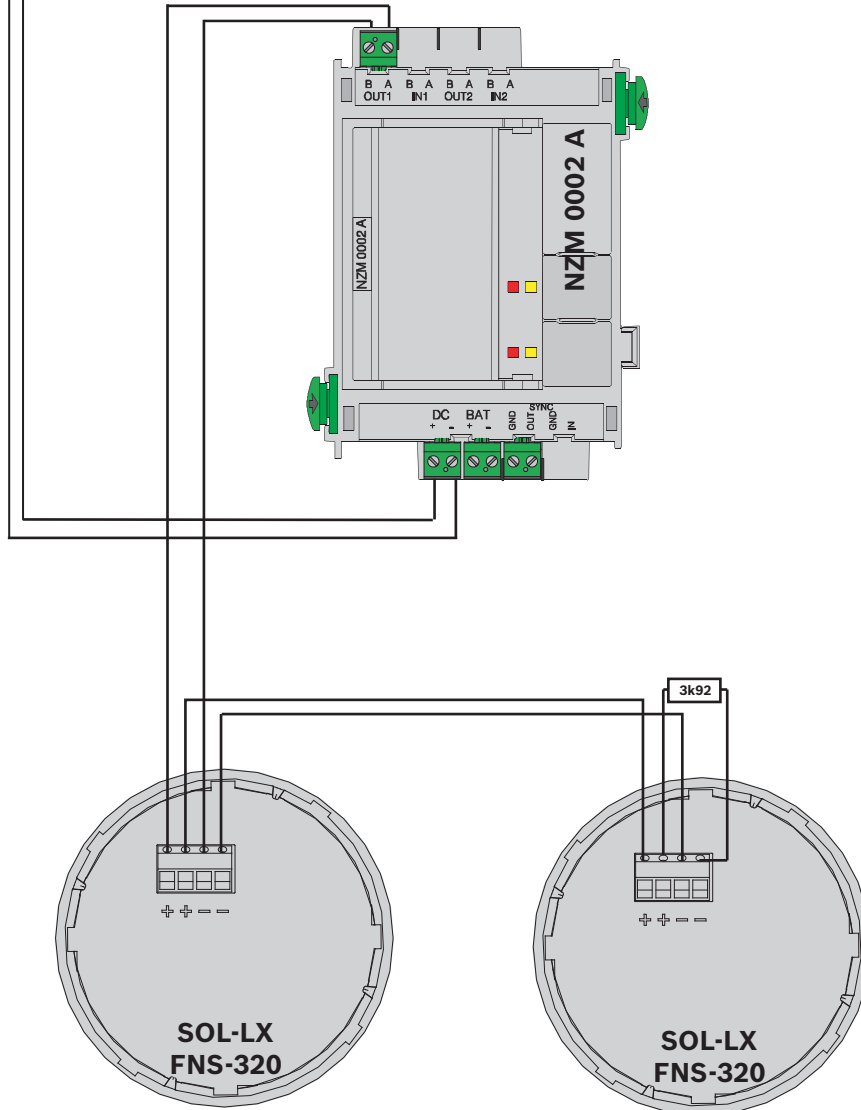
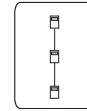


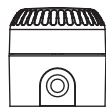
NZM 0002 A



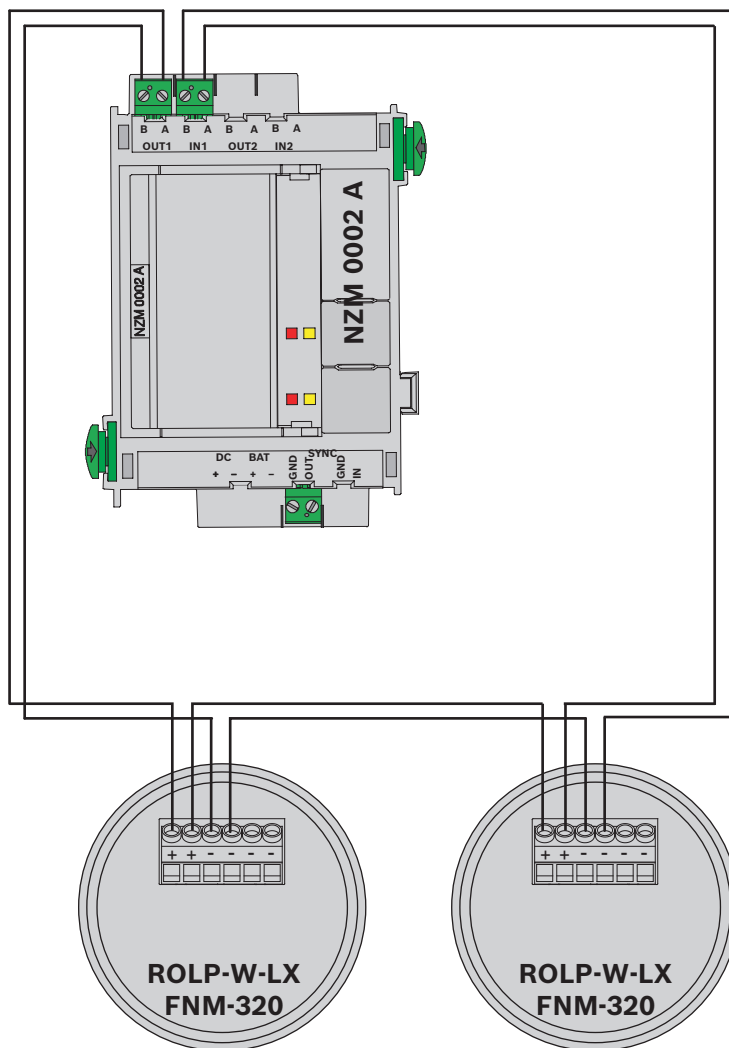
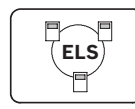


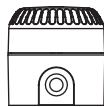




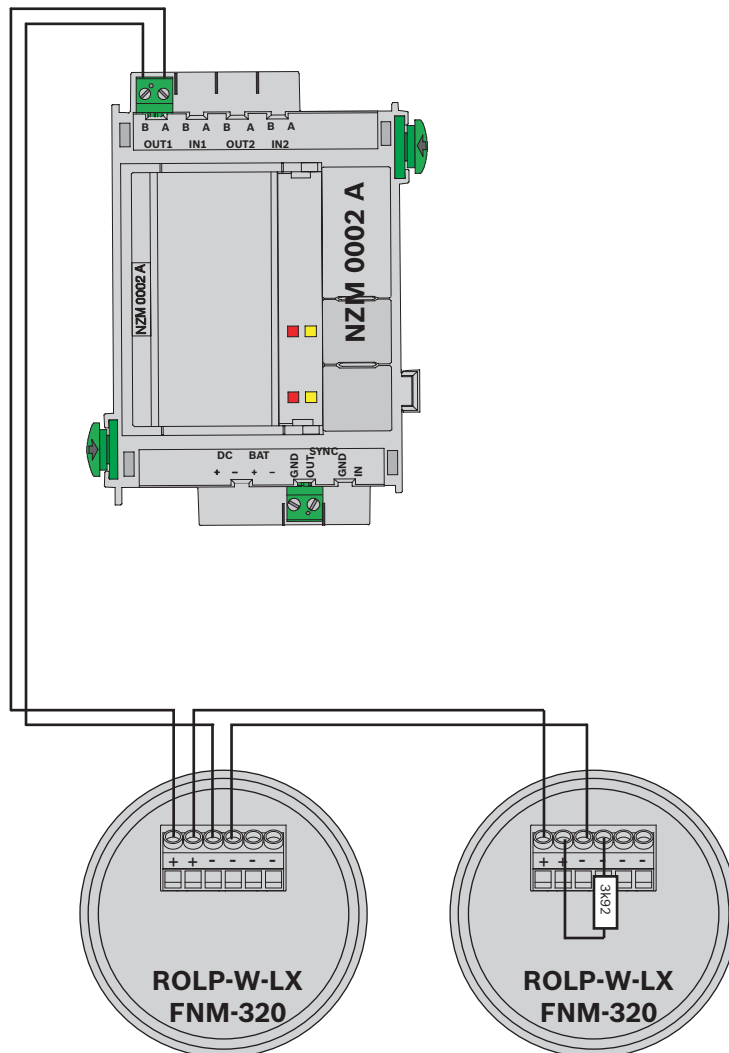
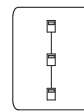


**ROLP-W-LX
FNM-320**



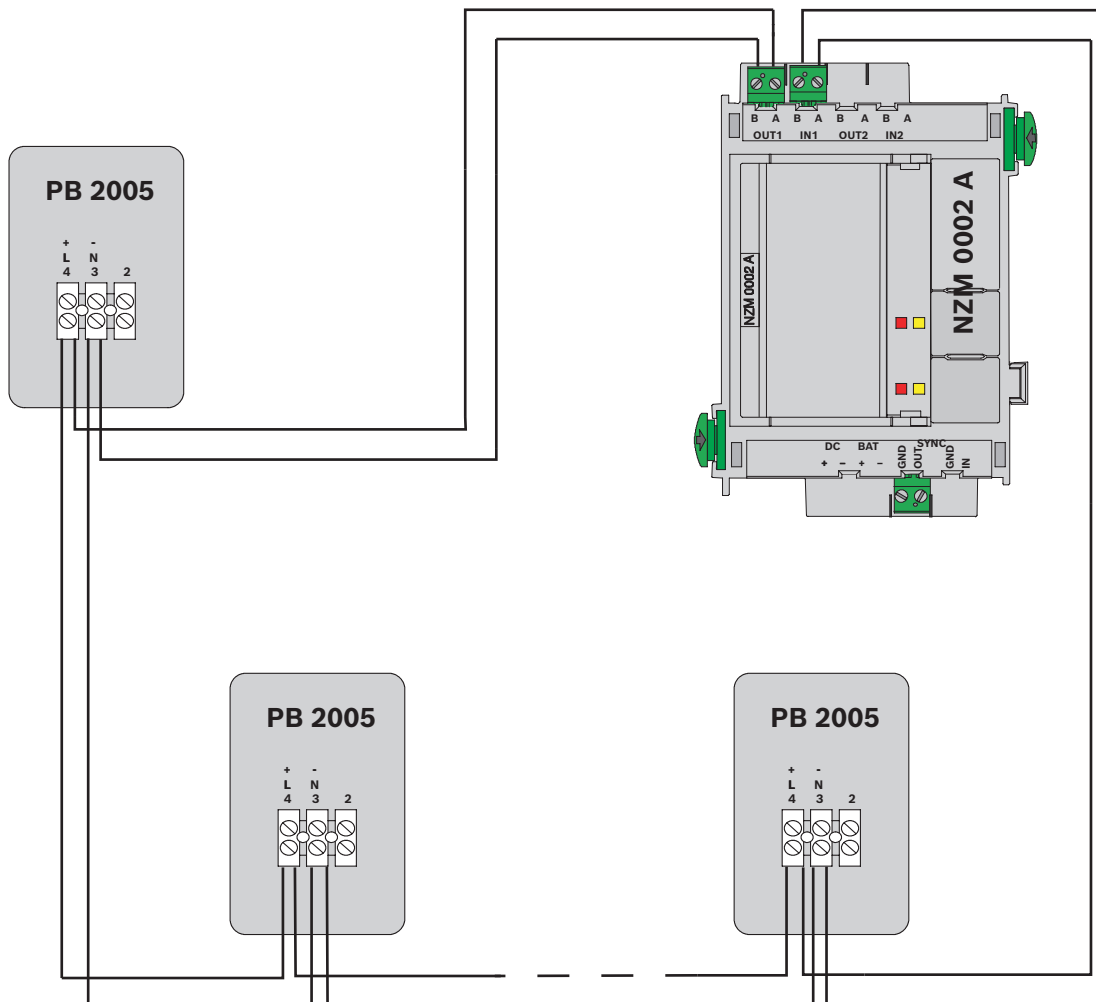
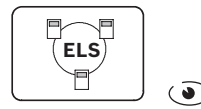


**ROLP-W-LX
FNM-320**



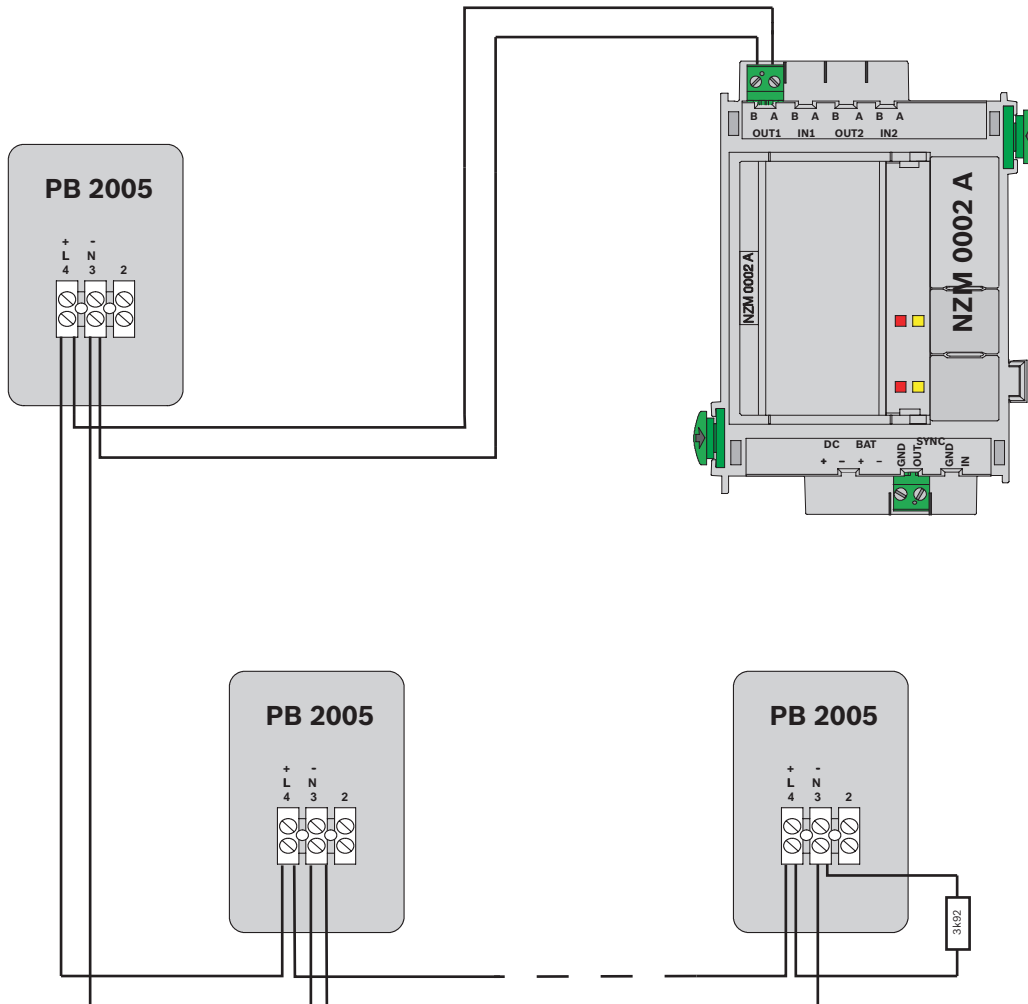
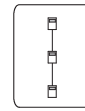


PB 2005



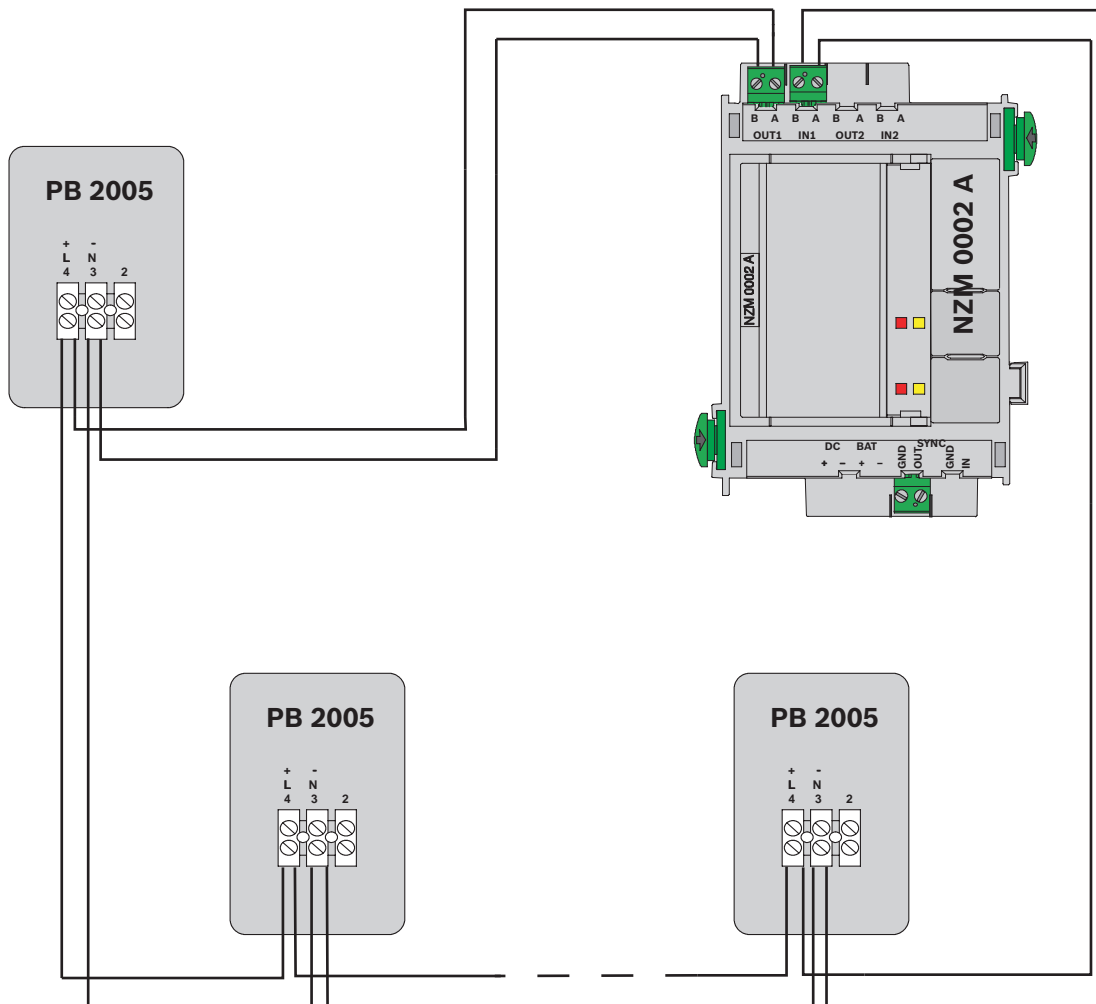
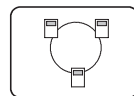


PB 2005



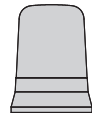


PB 2005

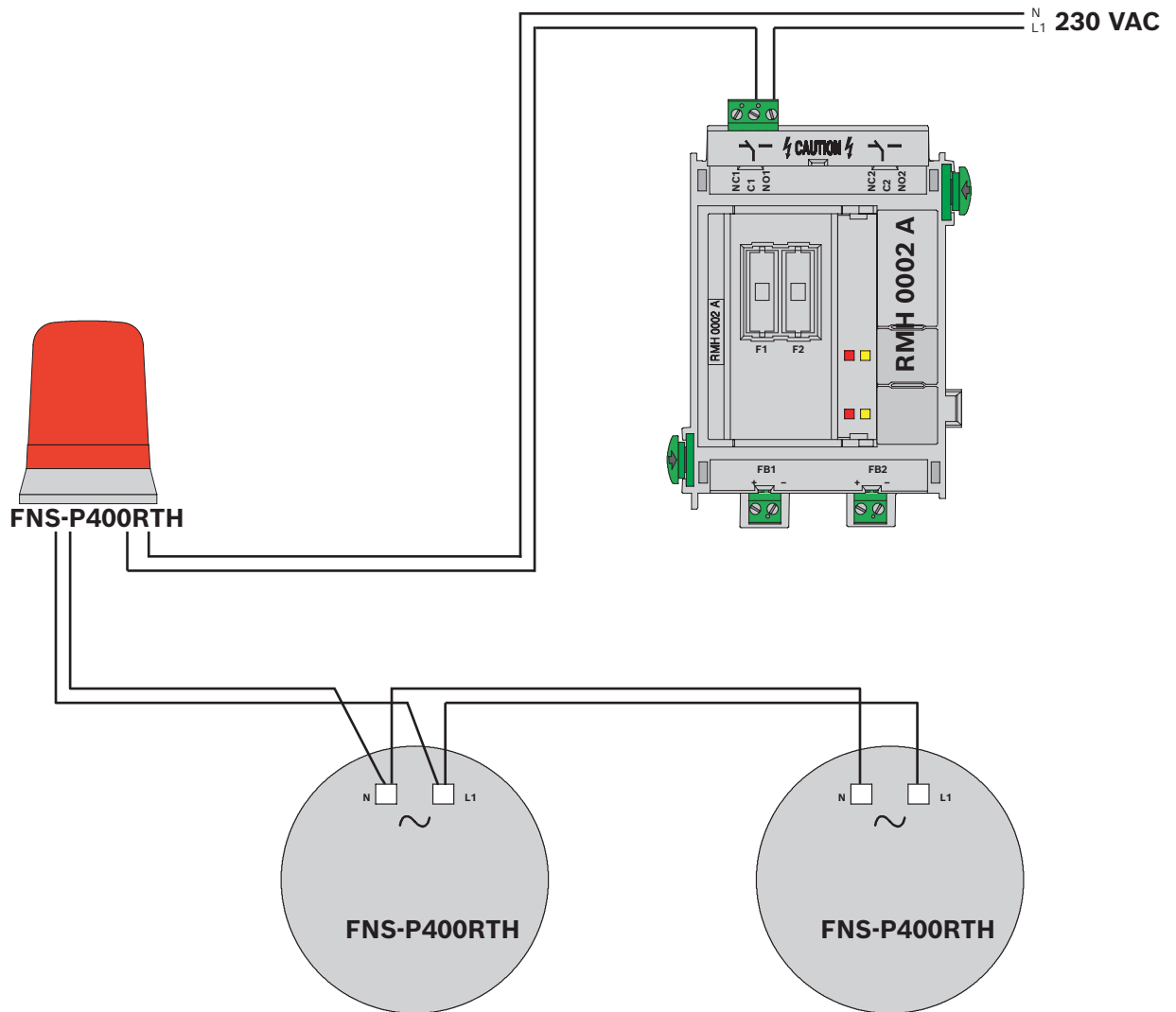
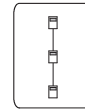


2.4.6

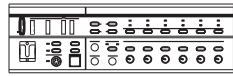
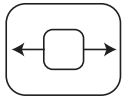
RMH 0002 A



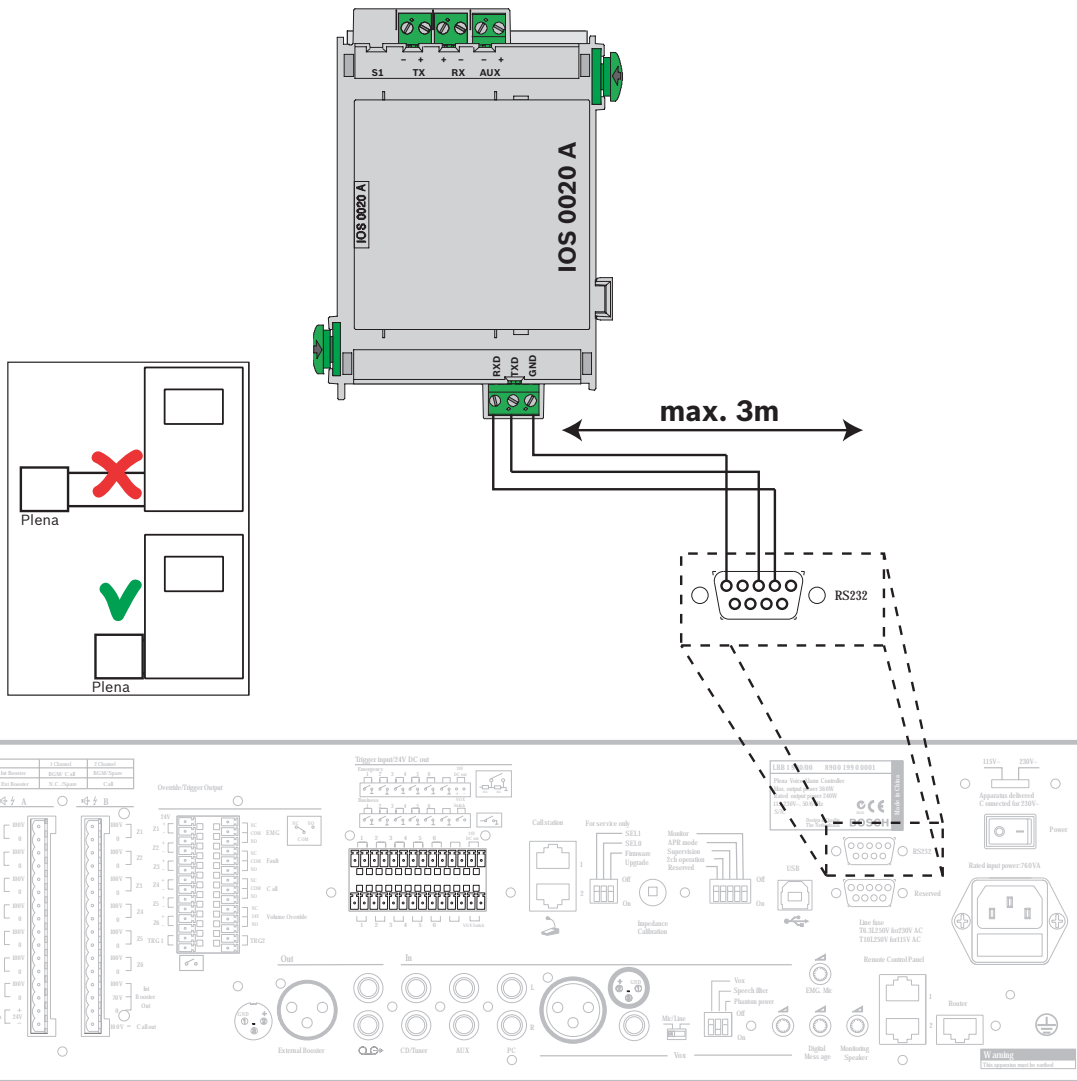
FNS-P400RTH



2.4.7 IOS 0020 A



Plena



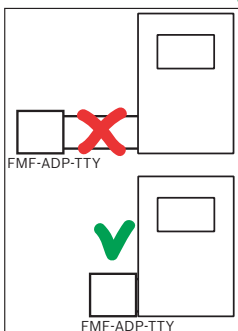
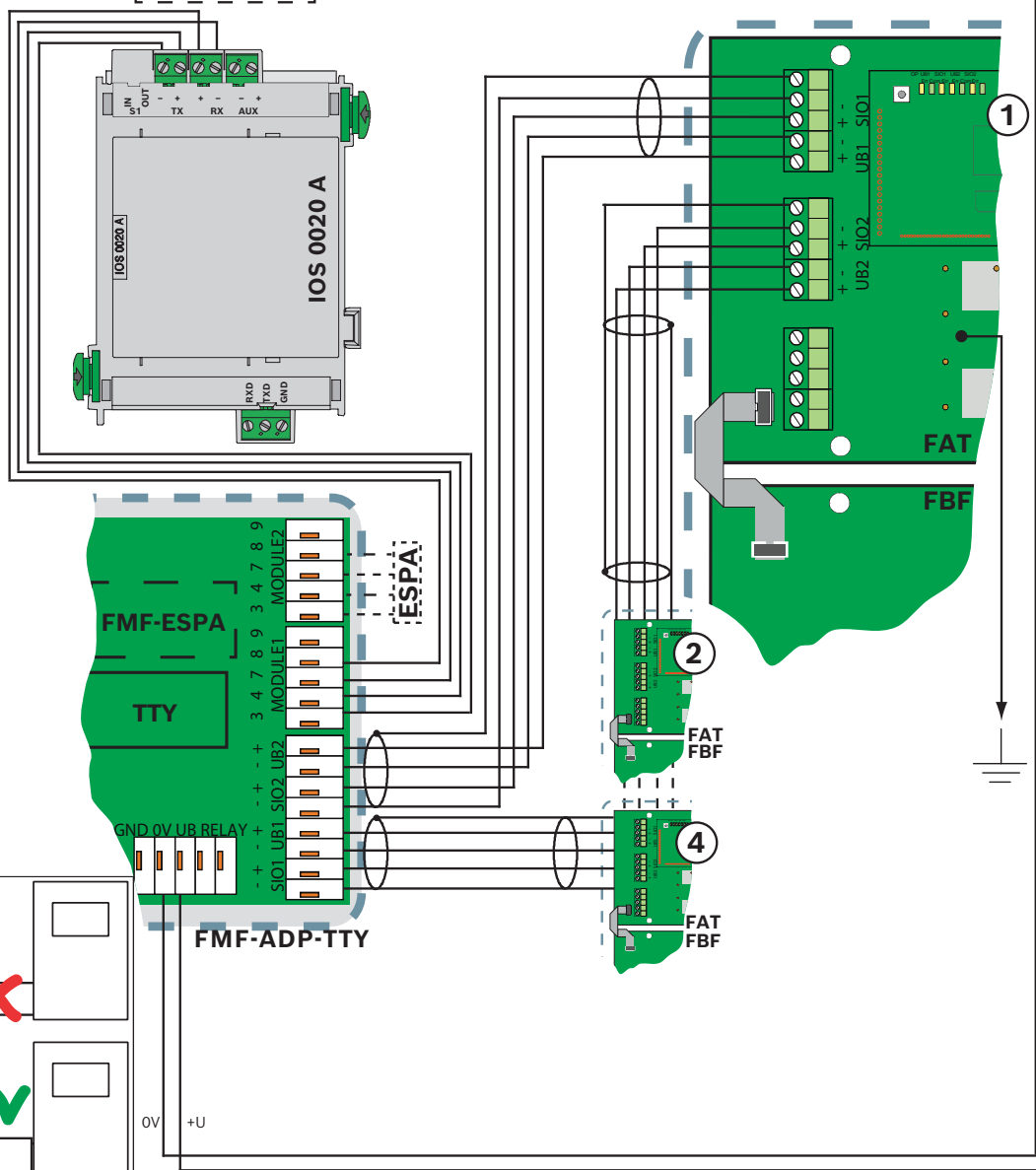


FAT4000 FBF4000 ADP4000

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

ELS

BCM-000-B

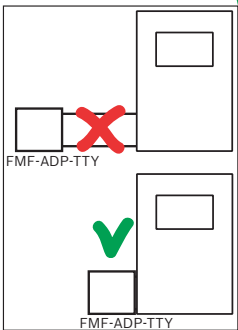
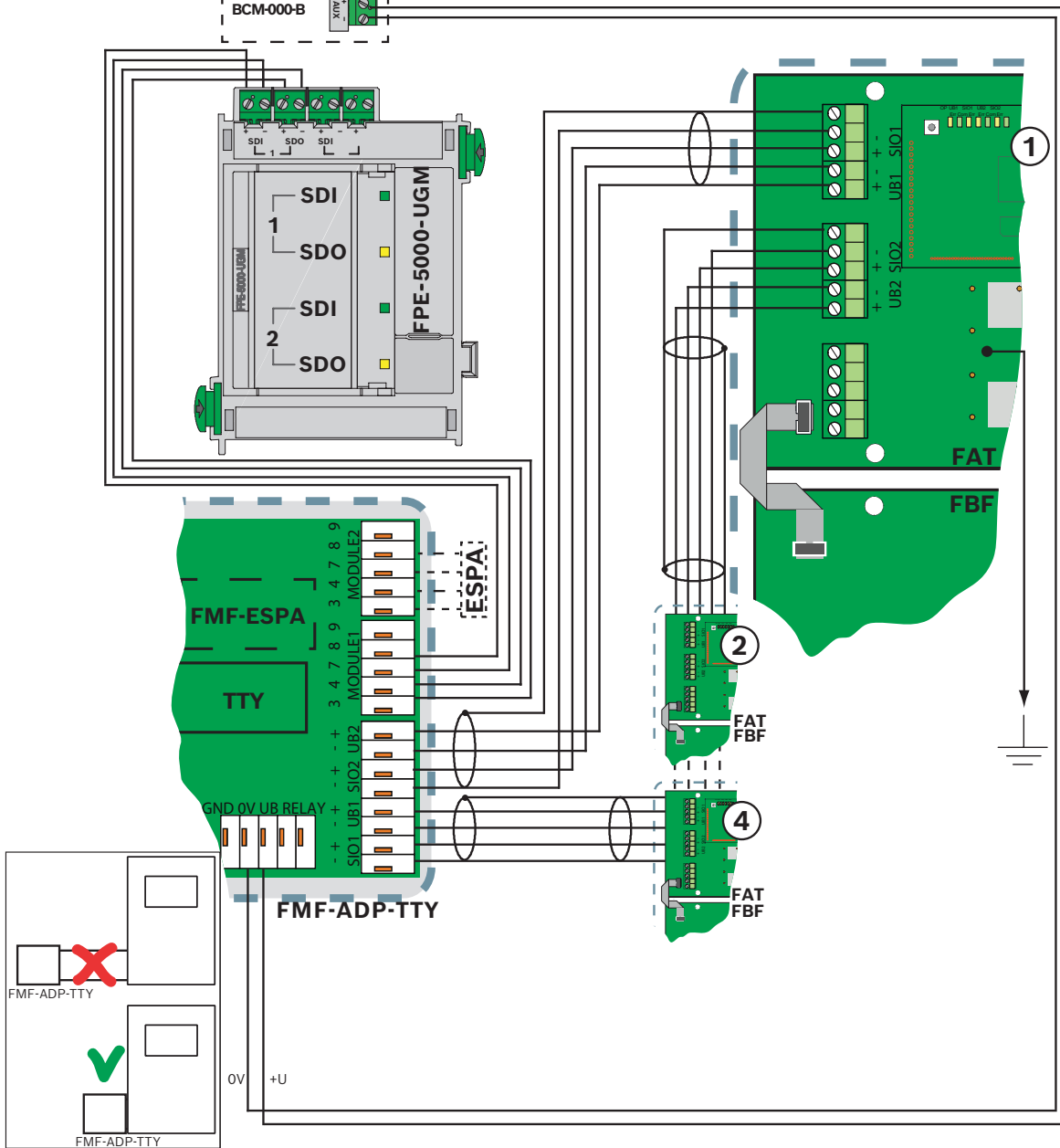


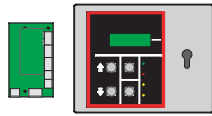
2.4.8 FPE-5000-UGM



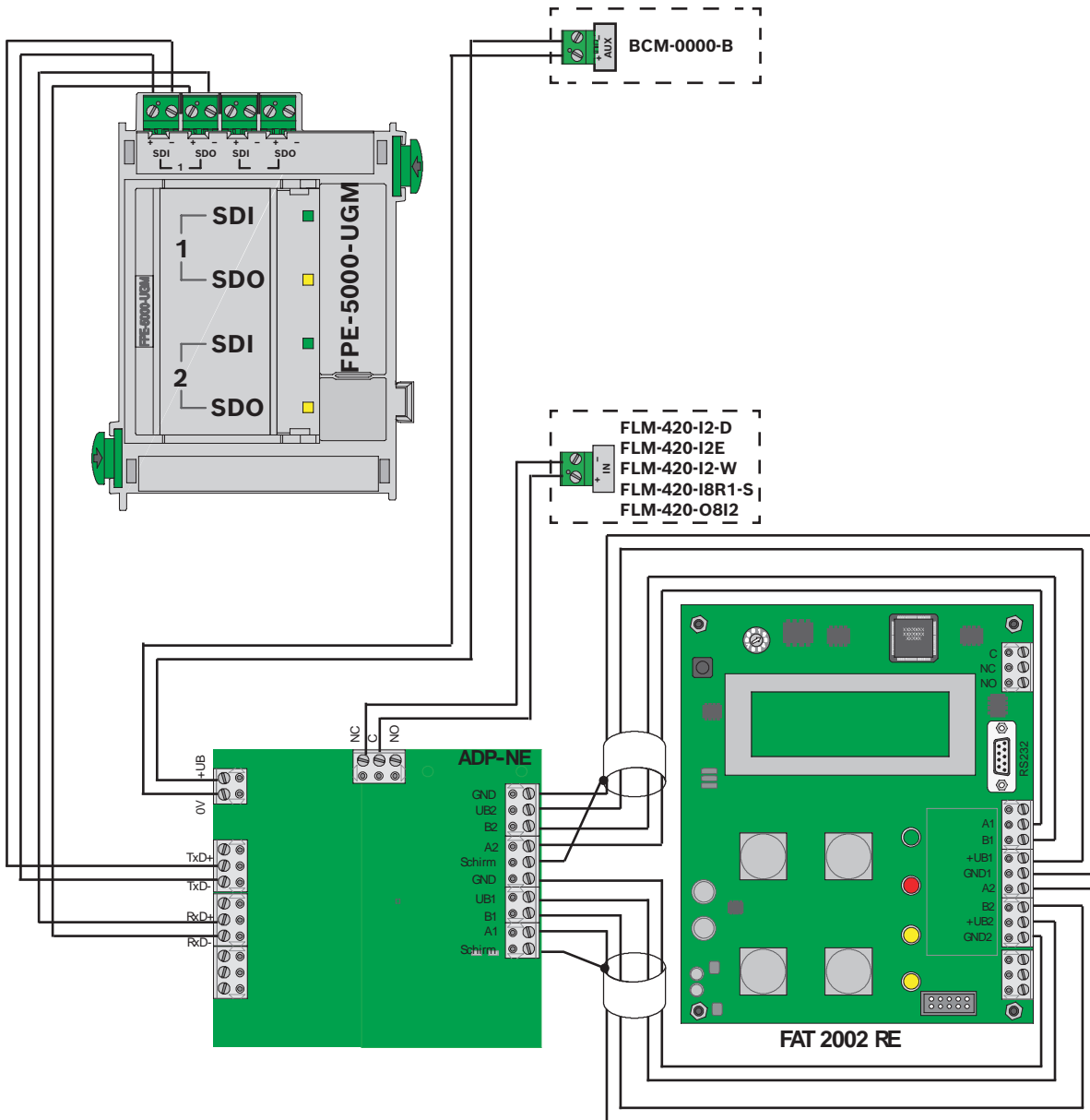
FAT4000 FBF4000 ADP4000
 FMF-FAT FMF-FBF-FAT
 FMF-FIBS-A4/-A3
 FMF-ADP

ELS





**FAT2002RE
ADP-NE**



2.5 Interface Modules



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

FLM-420-I8R1-S, oldal 158

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

FLM-420-RHV, oldal 172

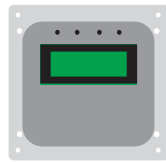
FLM-420-RLE-S, oldal 184

FLM-420-RLV1-E, oldal 185

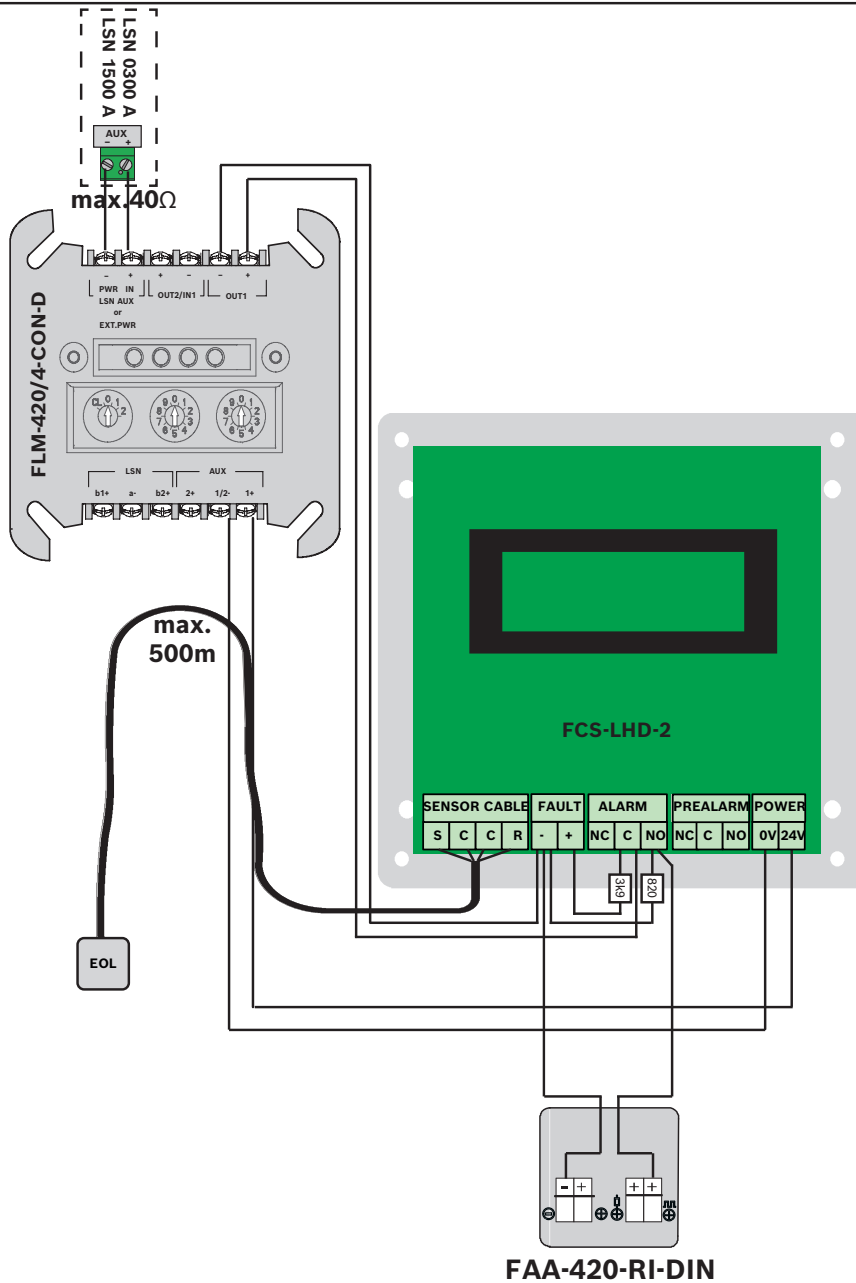
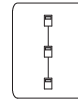
FLM-420-RLV8-S, oldal 186

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

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

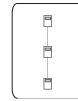


ALARMLINE II



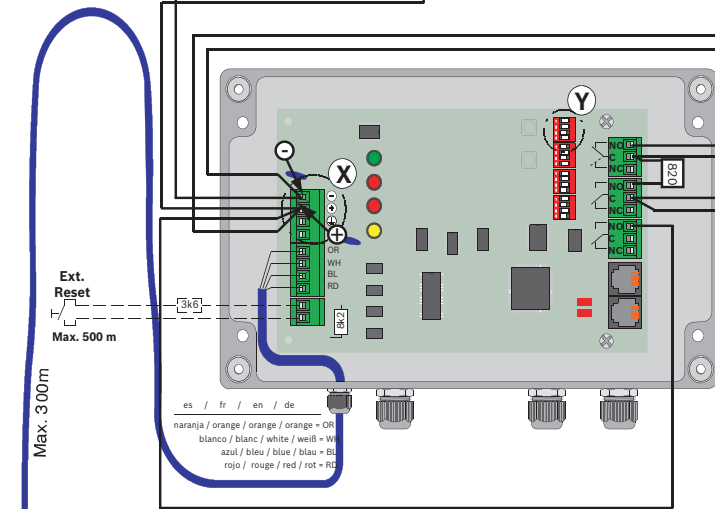
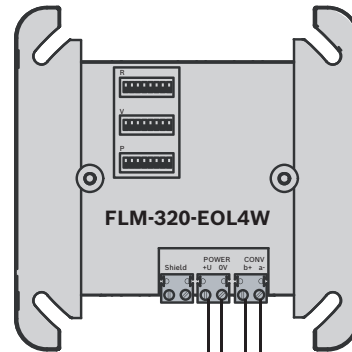
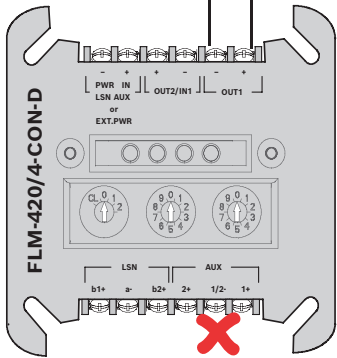


FCS-LWM-1



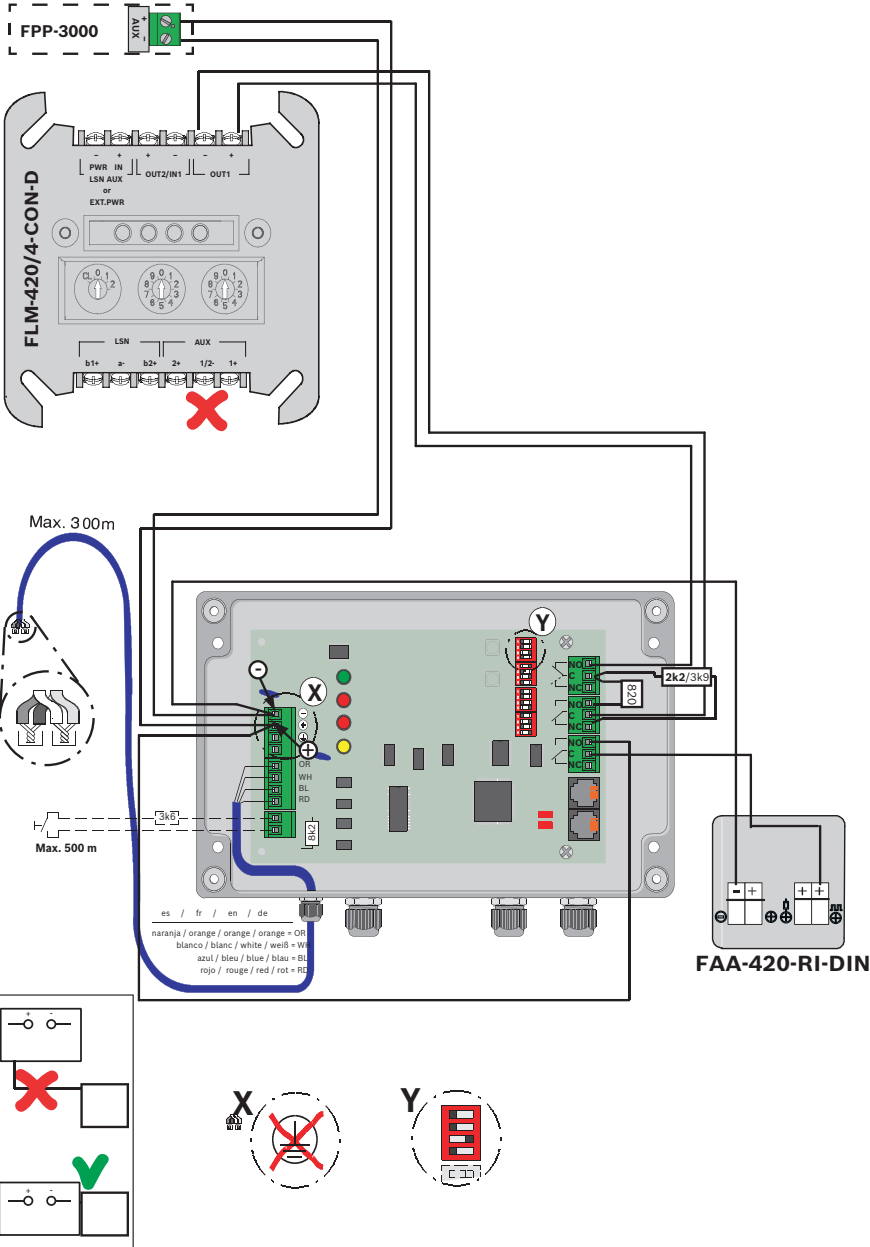
ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A



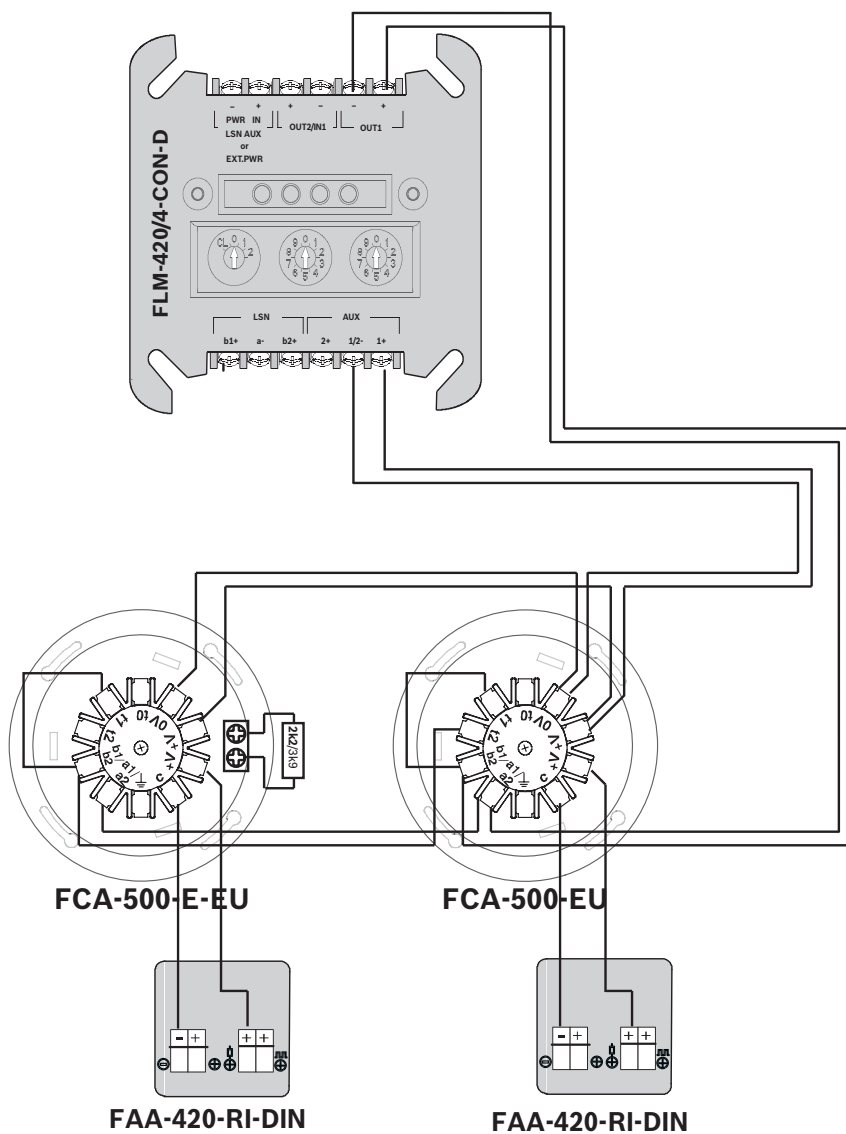


FCS-LWM-1



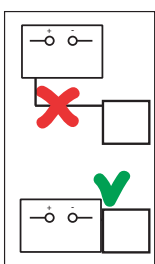
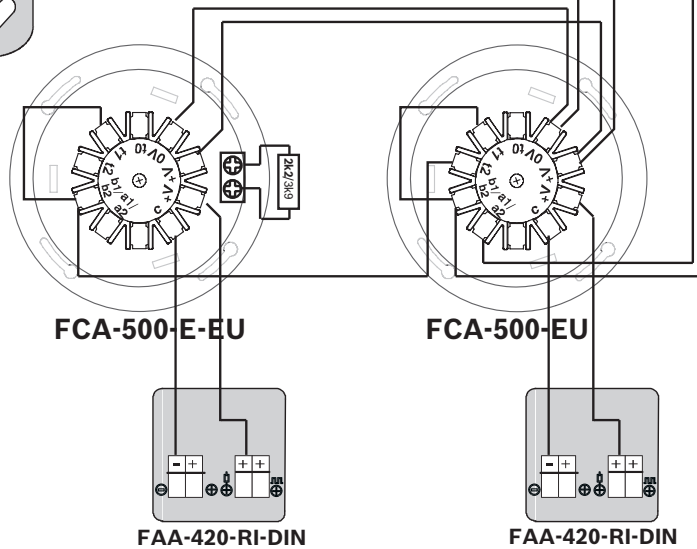
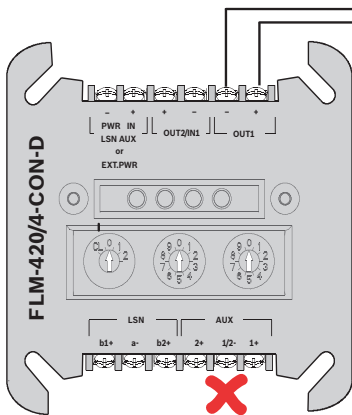


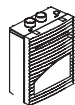
FCP-500





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

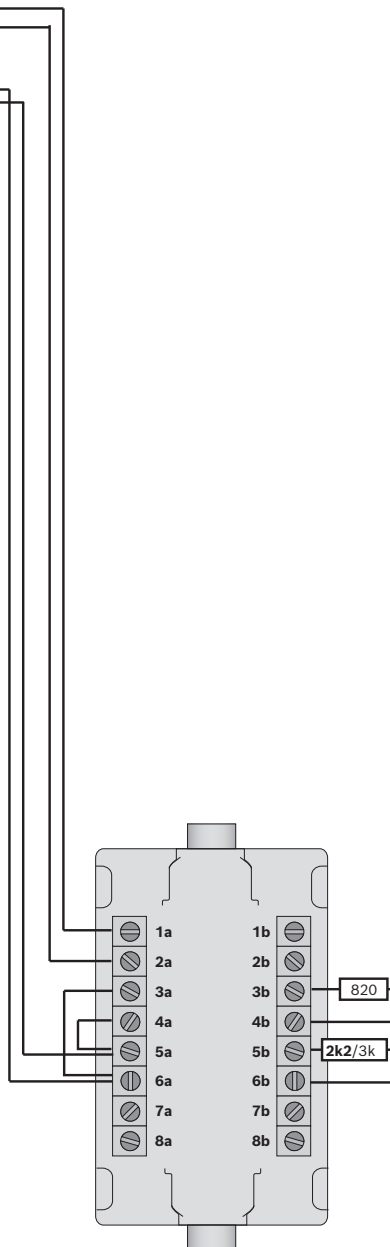
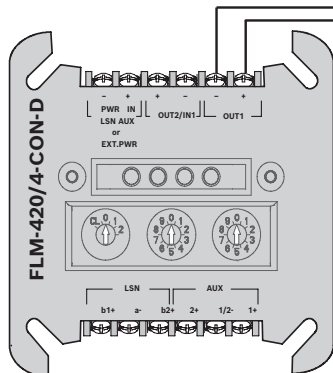


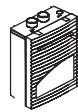


FCS-320-TM Series

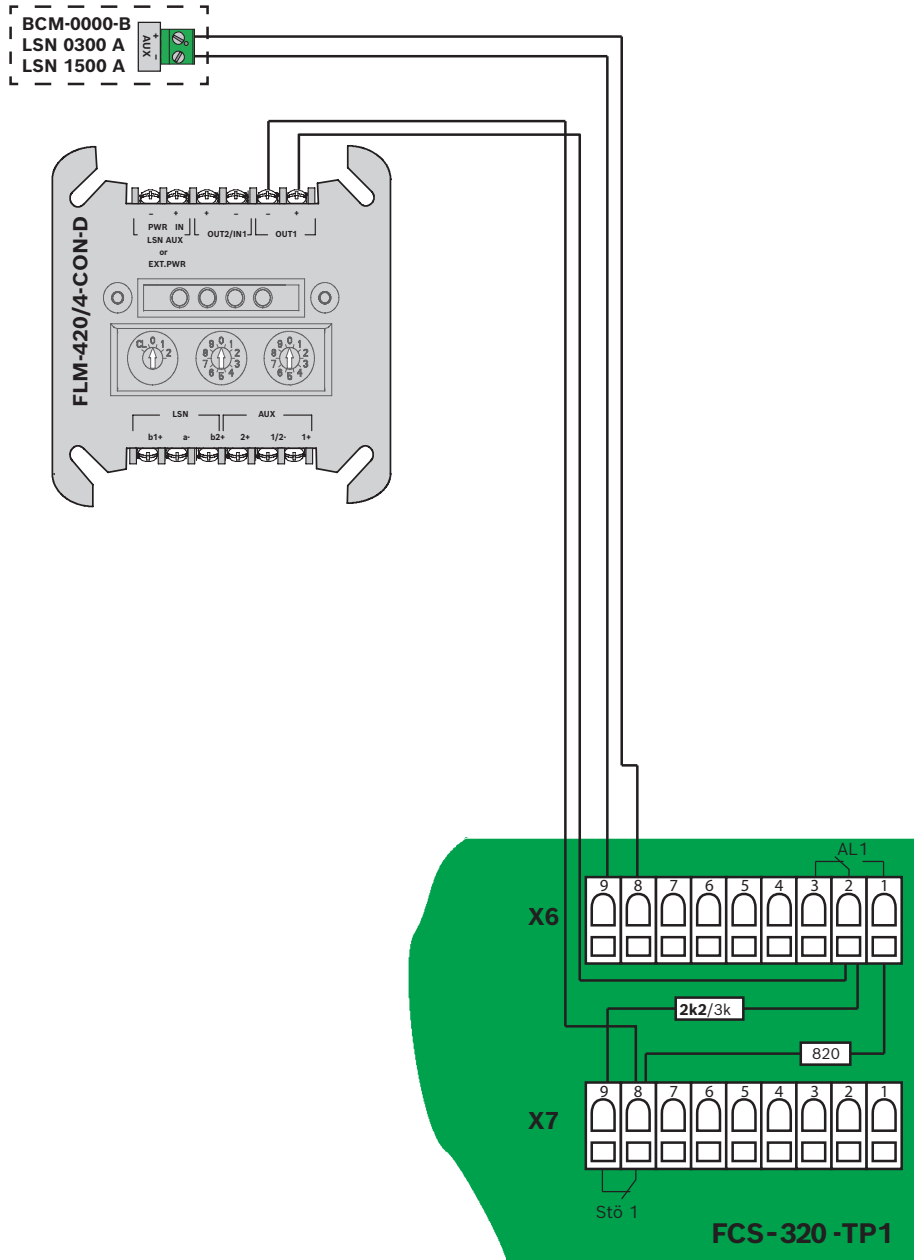
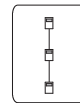


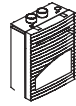
BCM-0000-B
LSN 0300 A
LSN 1500 A



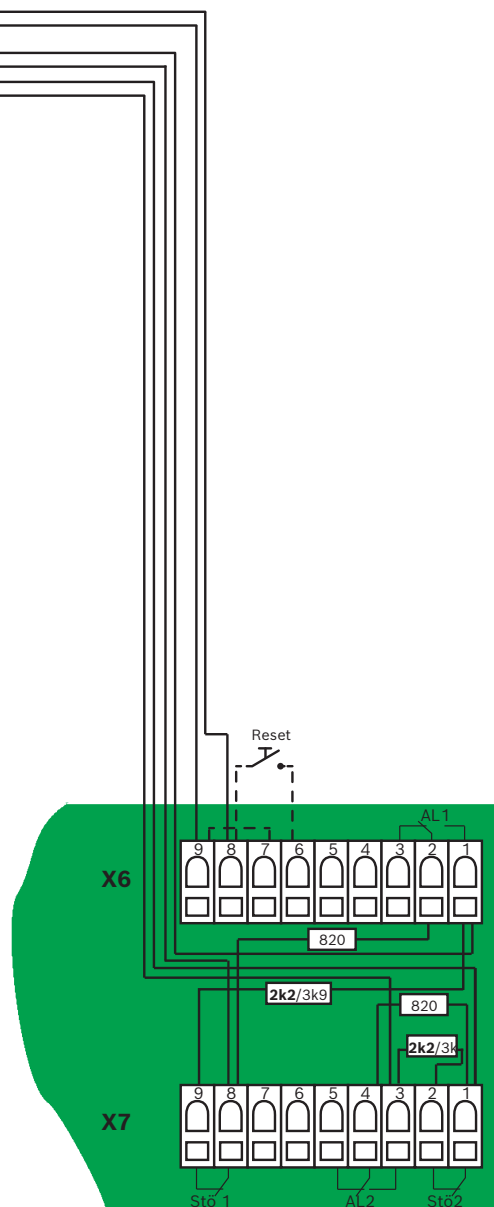
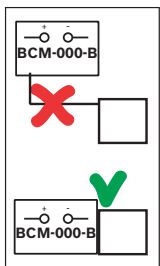
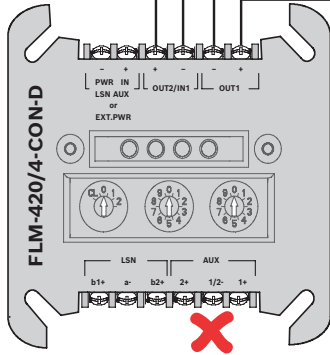
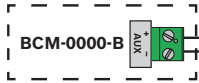


FCS-320-TP Series

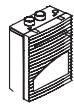




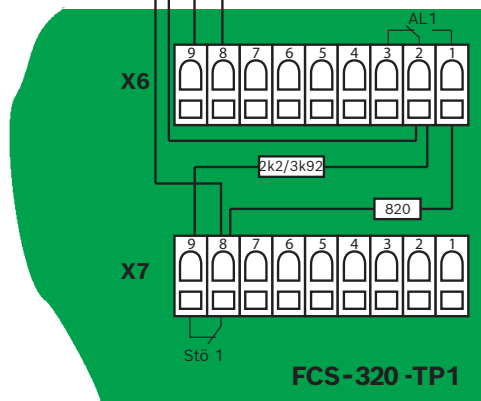
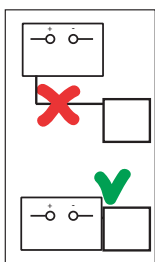
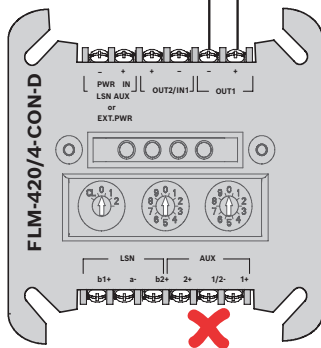
FCS-320-TP Series

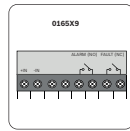


FCS-320-TP2

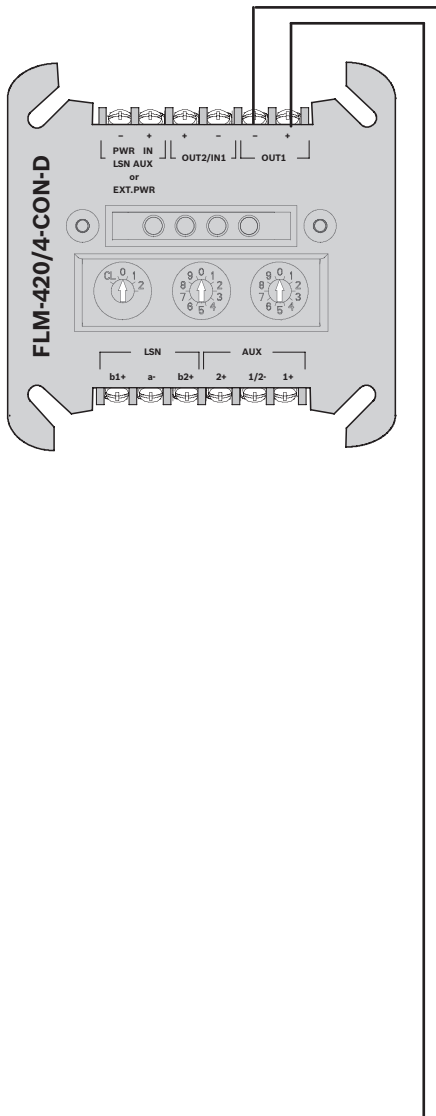
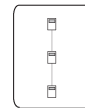


FCS-320-TP1

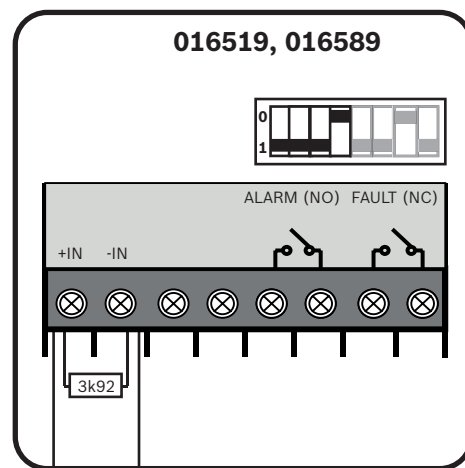


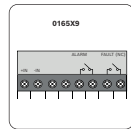


**016519, 016589
IR3 Flame Detector**

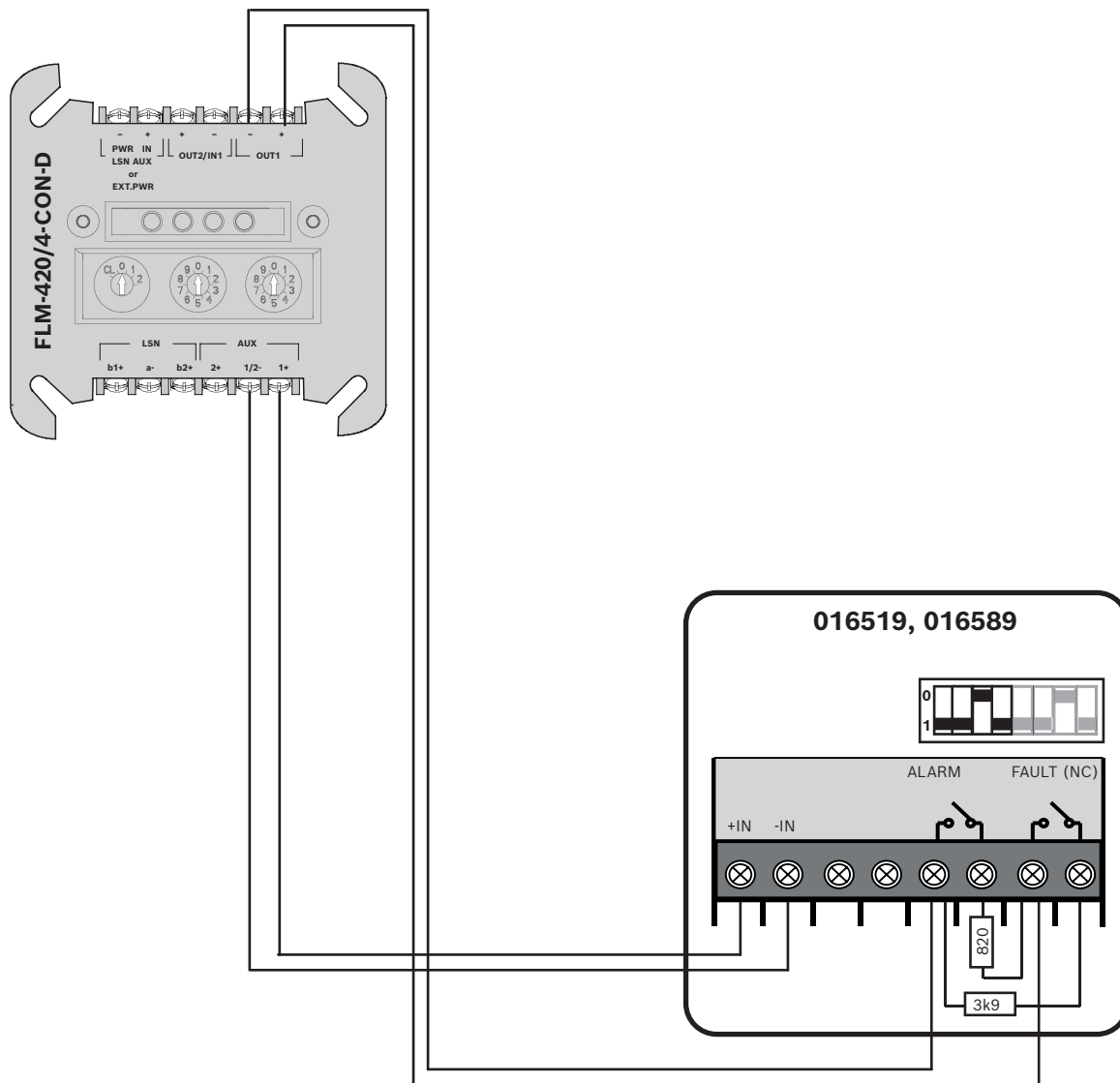
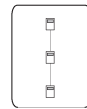


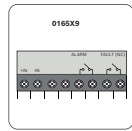
max. 1 x 0165X9



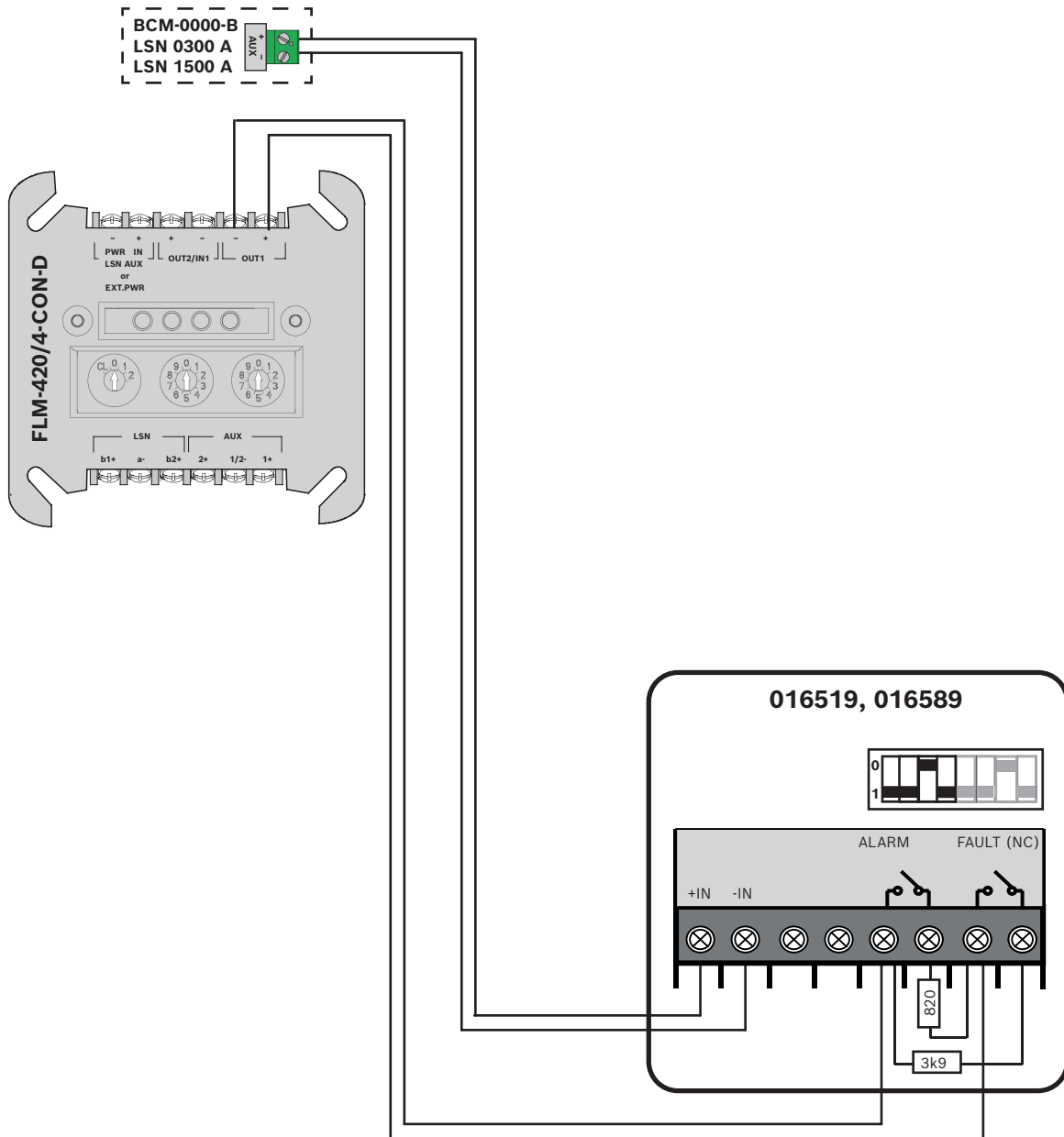
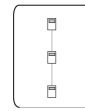


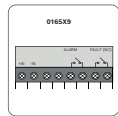
016519, 016589
IR3 Flame Detector



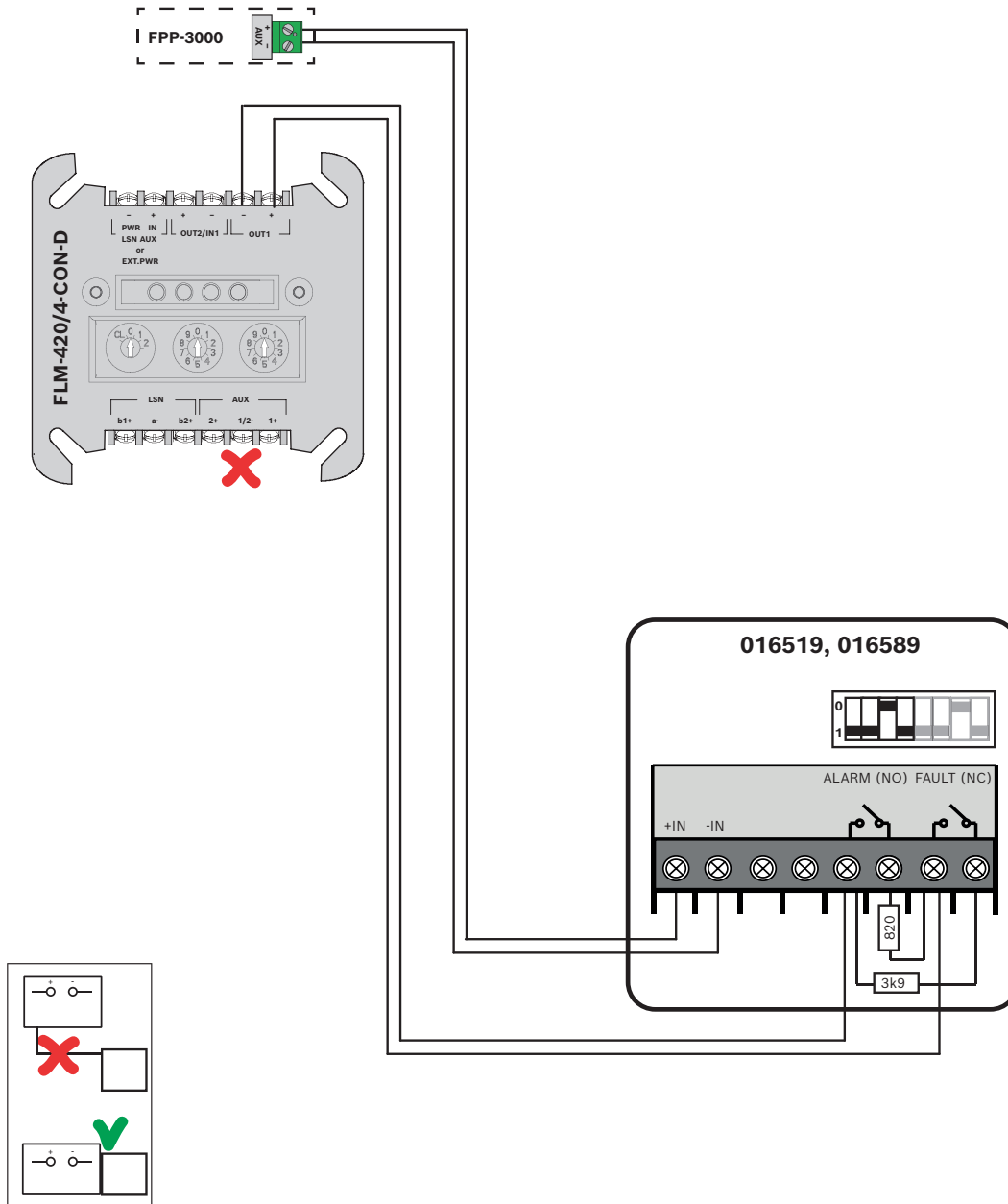


016519, 016589 IR3 Flame Detector



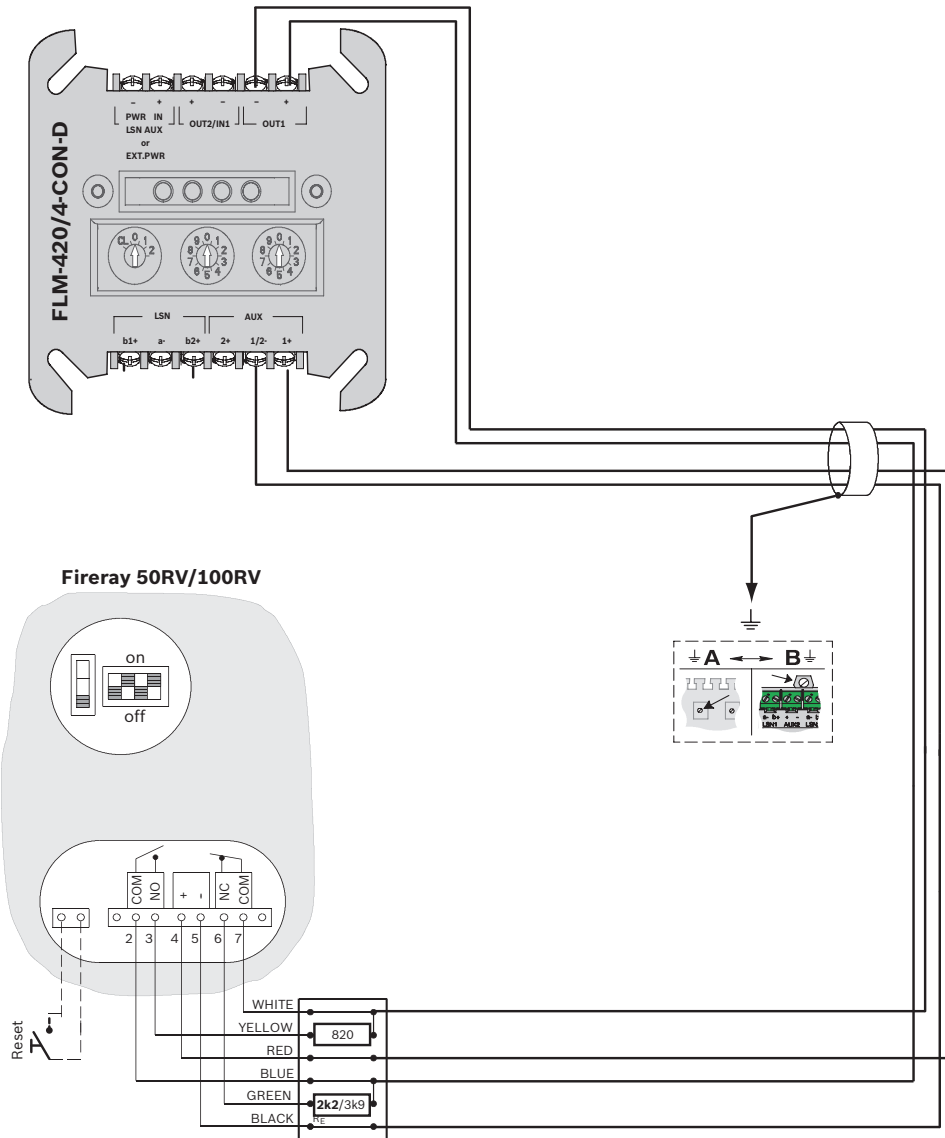


**016519, 016589
IR3 Flame Detector**





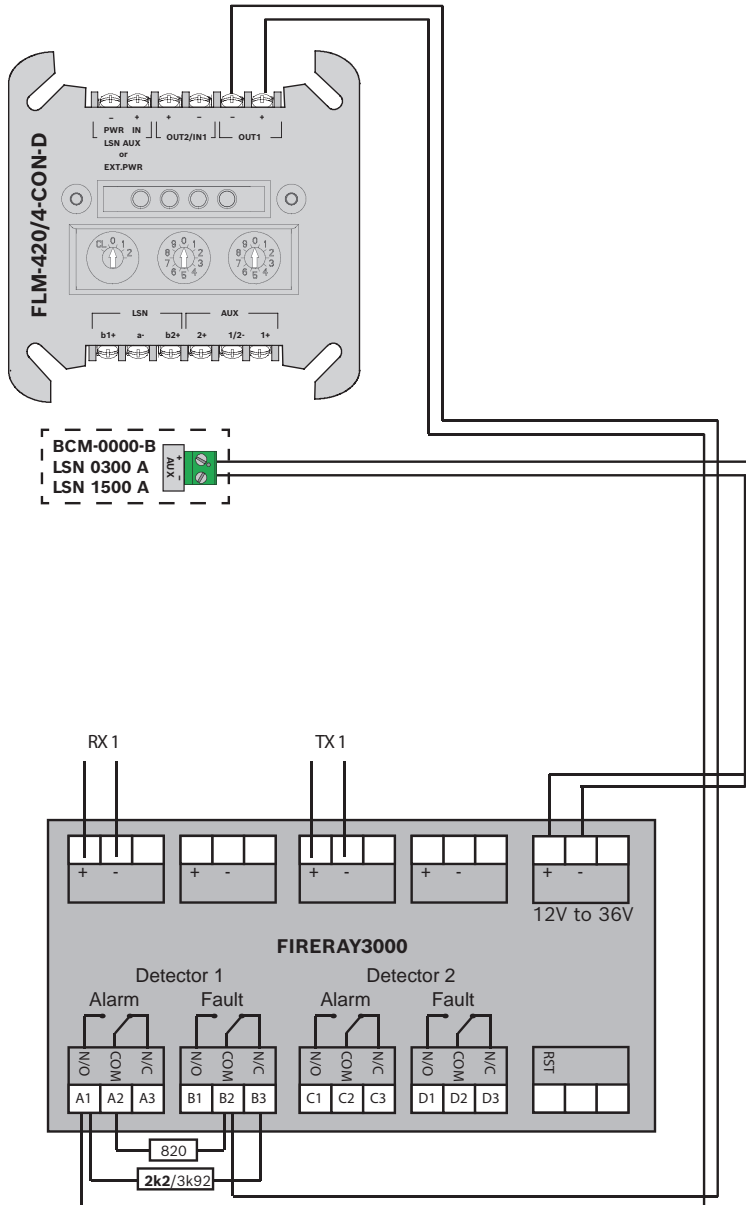
**Fireray 50RV
Fireray 100RV**





FIRERAY3000

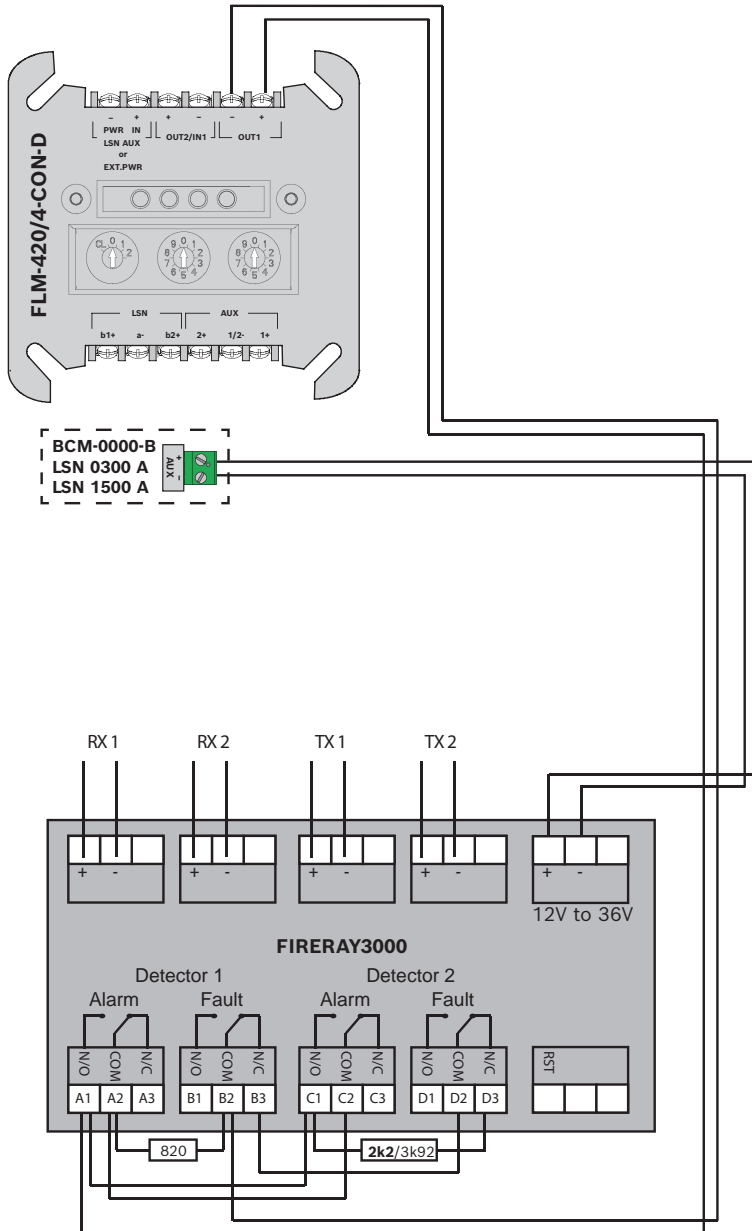
1 x





FIRERAY3000

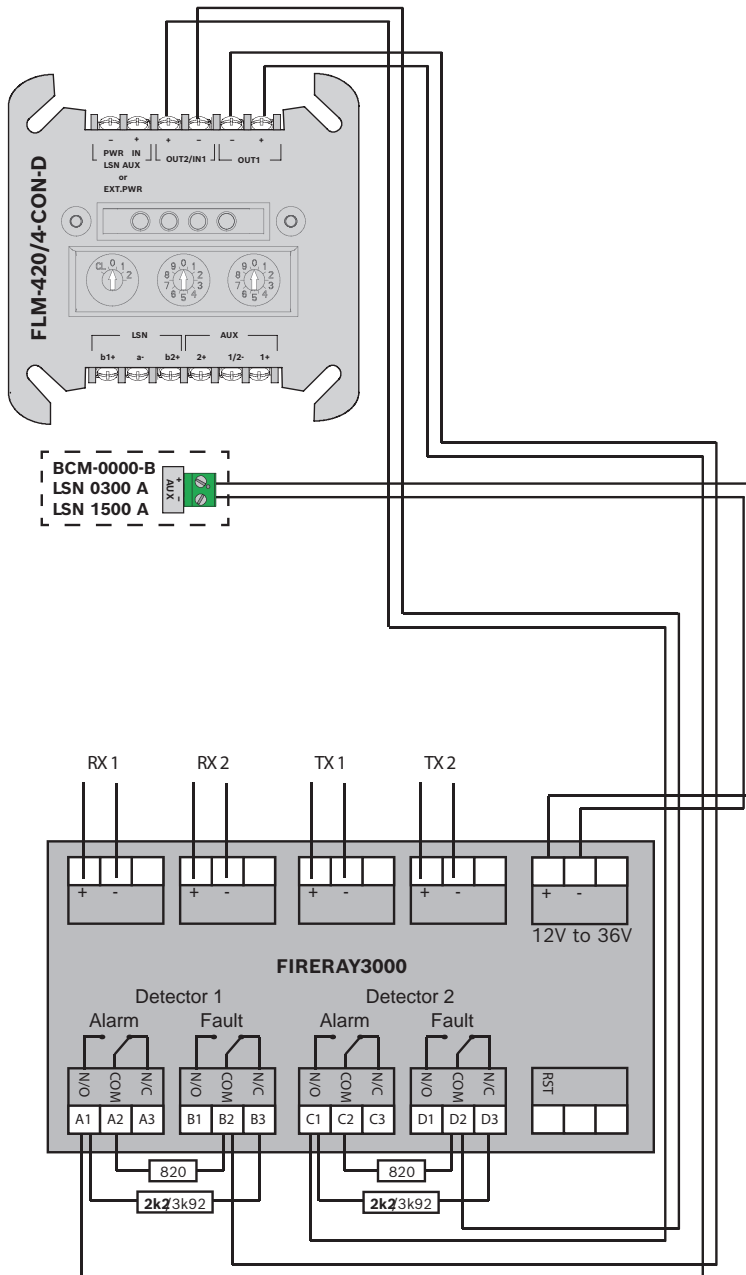
2 x  **OUT1**





FIRERAY3000

2 x **OUT1+2**

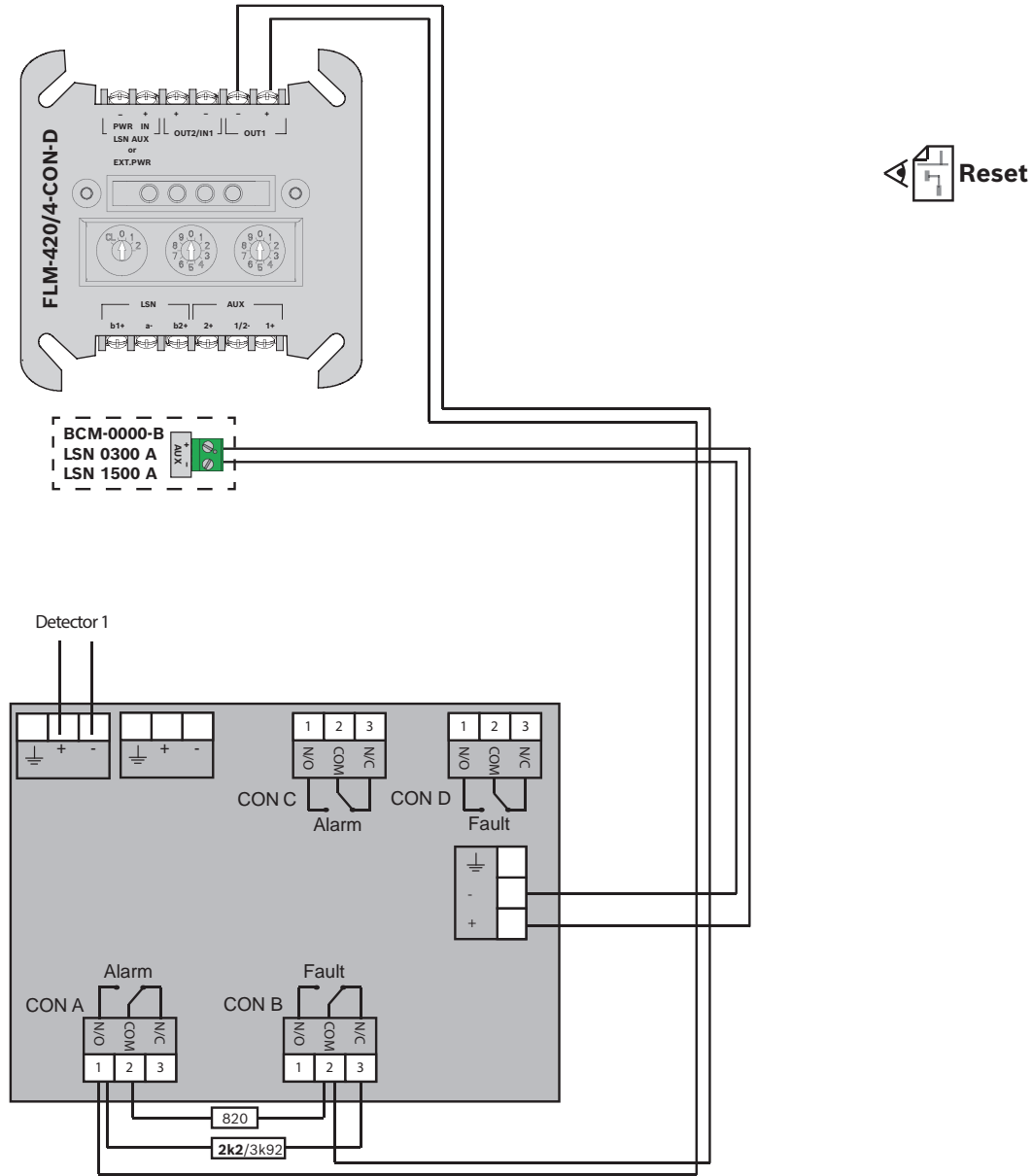


Reset action



FIRERAY5000

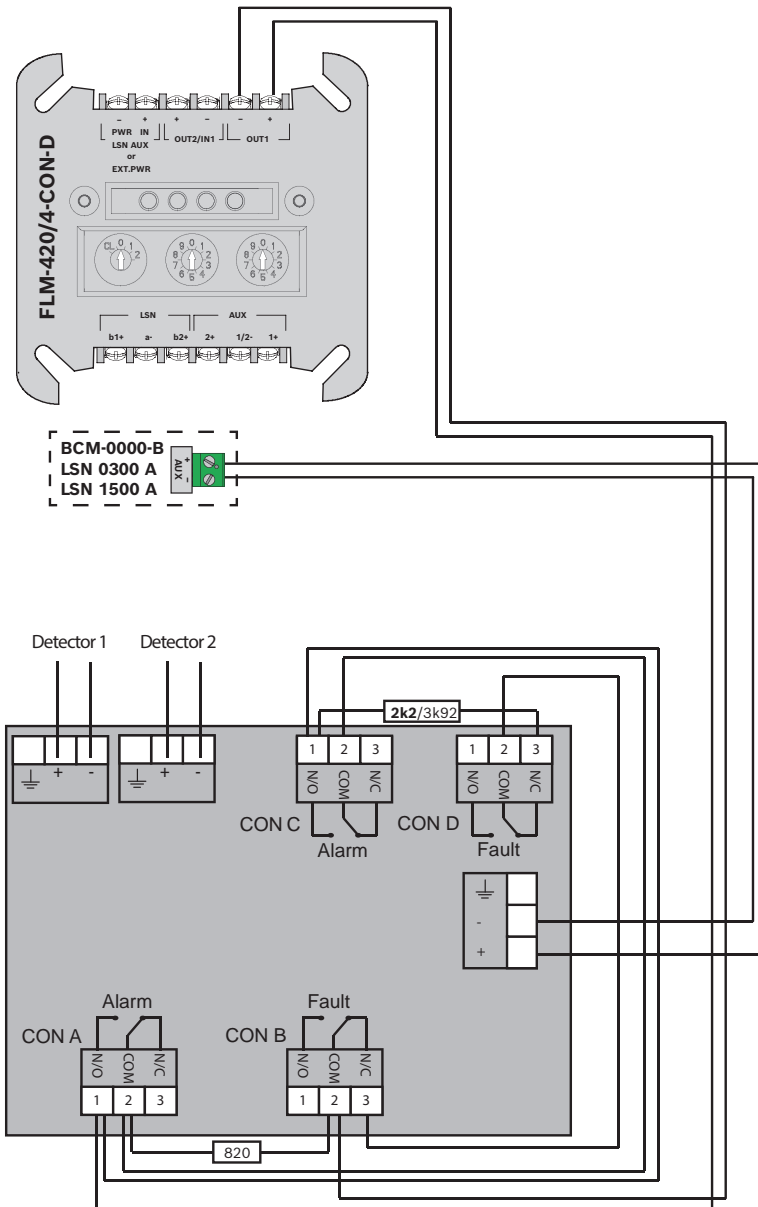
1 x

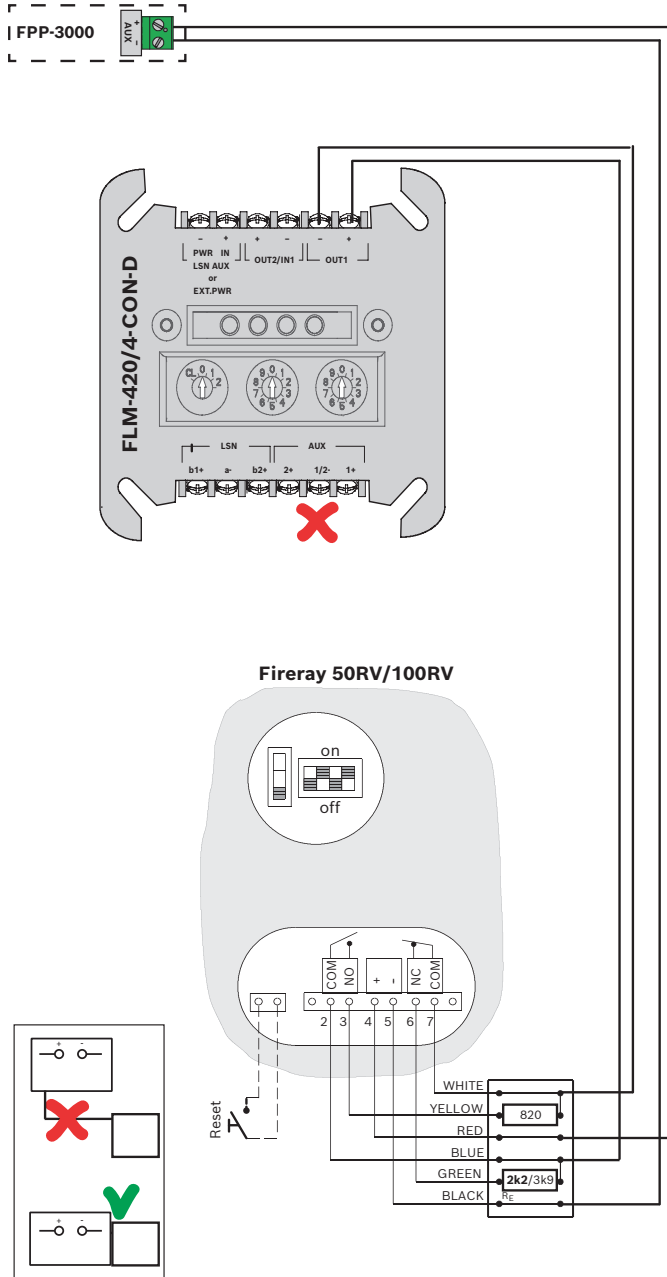




FIRERAY5000

2 x OUT1

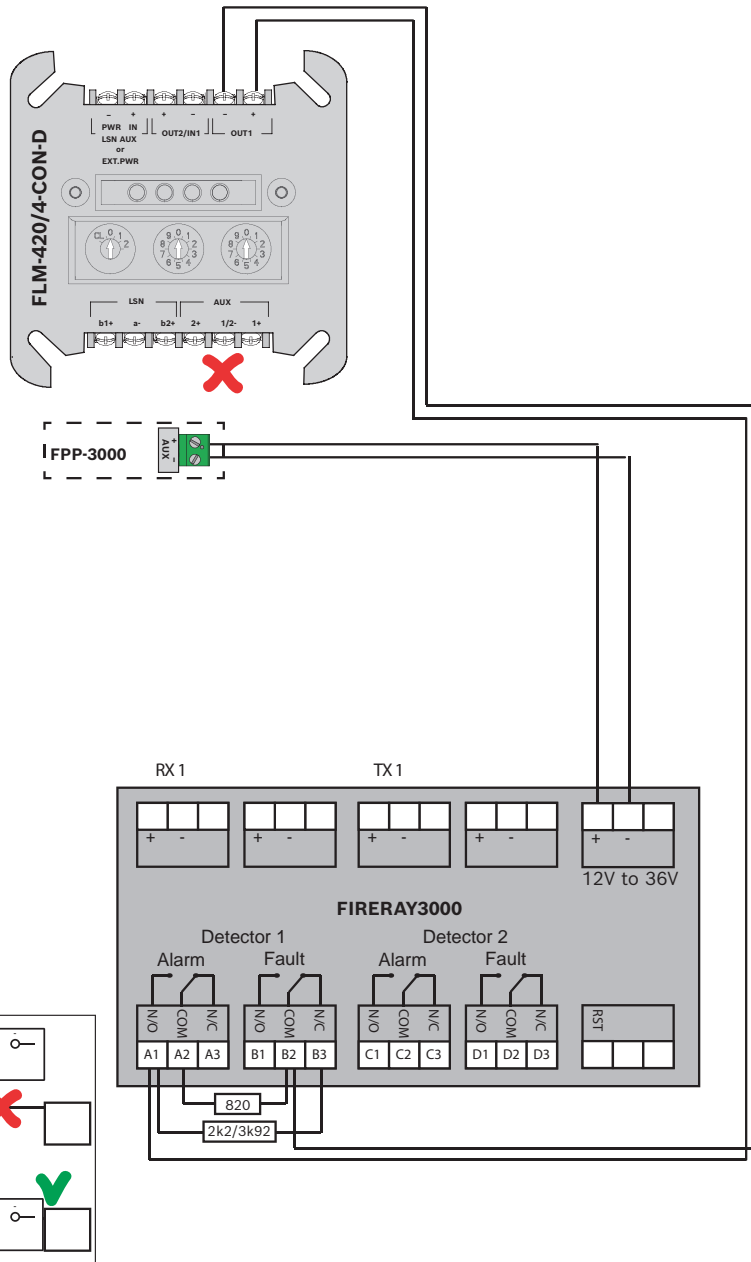




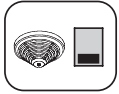


FIRERAY3000

1 x

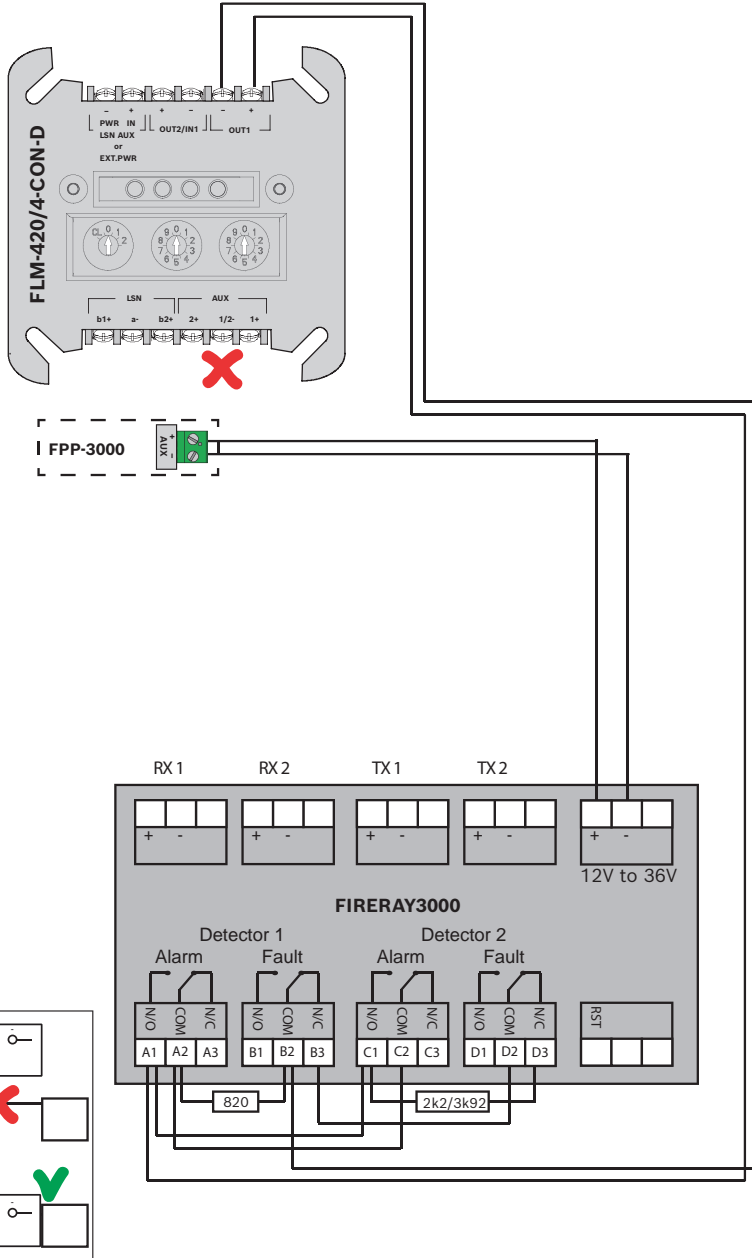


Reset action

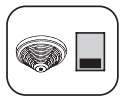


FIRERAY3000

2 x  **OUT1**

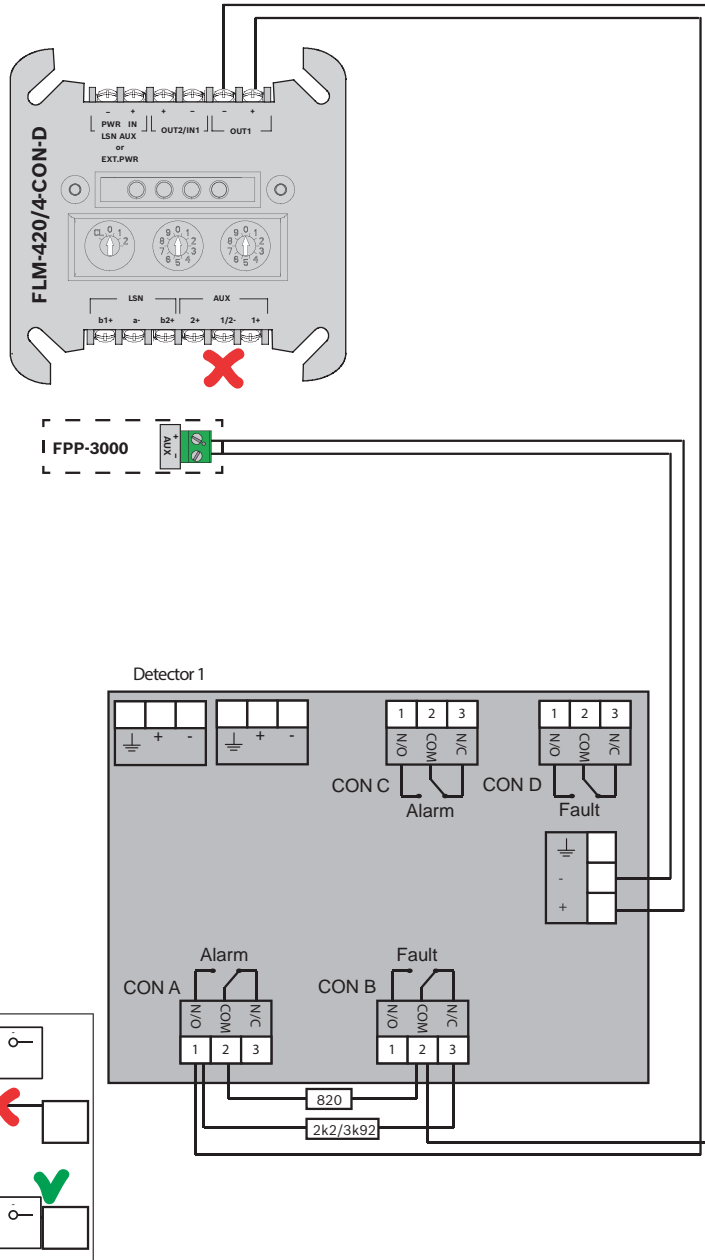


 **Reset action**



FIRERAY5000

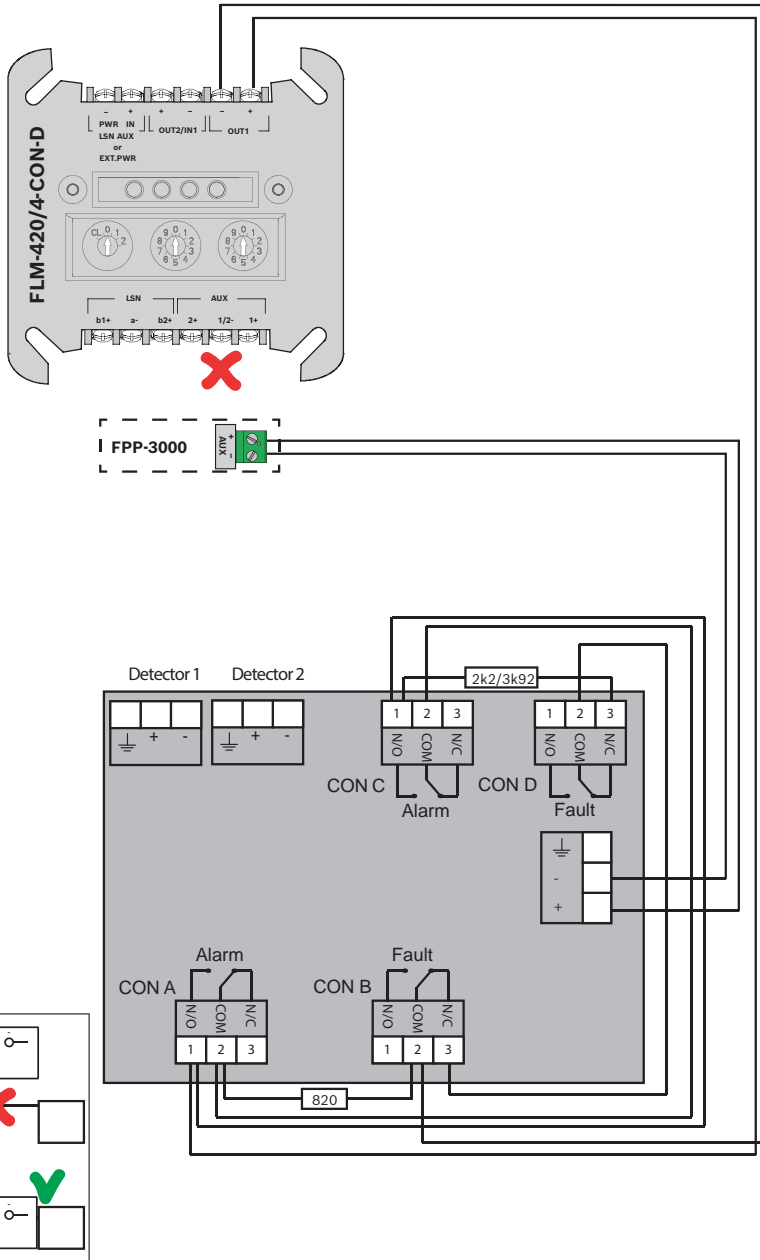
1 x



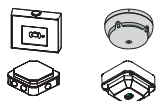


FIRERAY5000

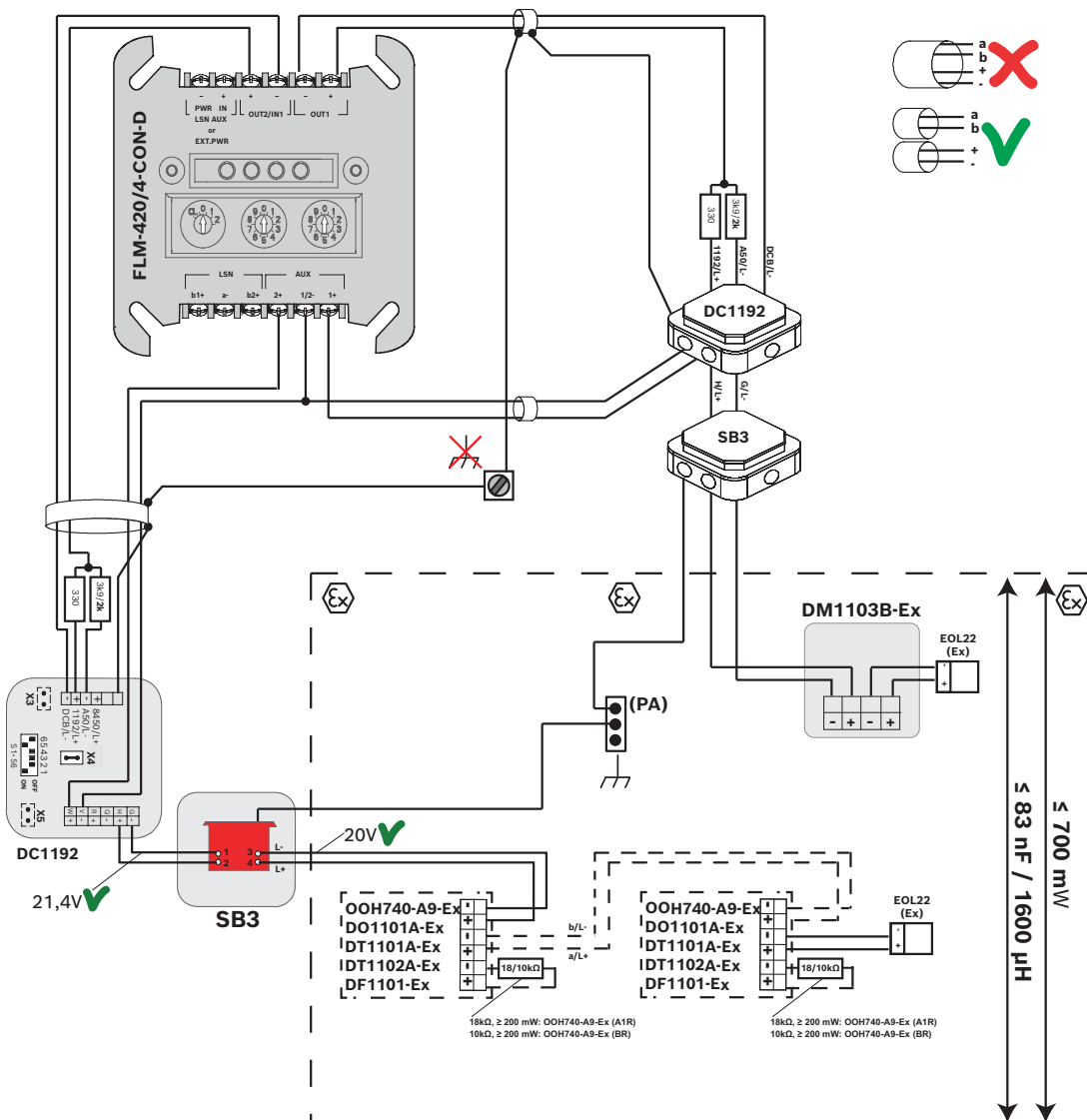
2 x OUT1



Reset action

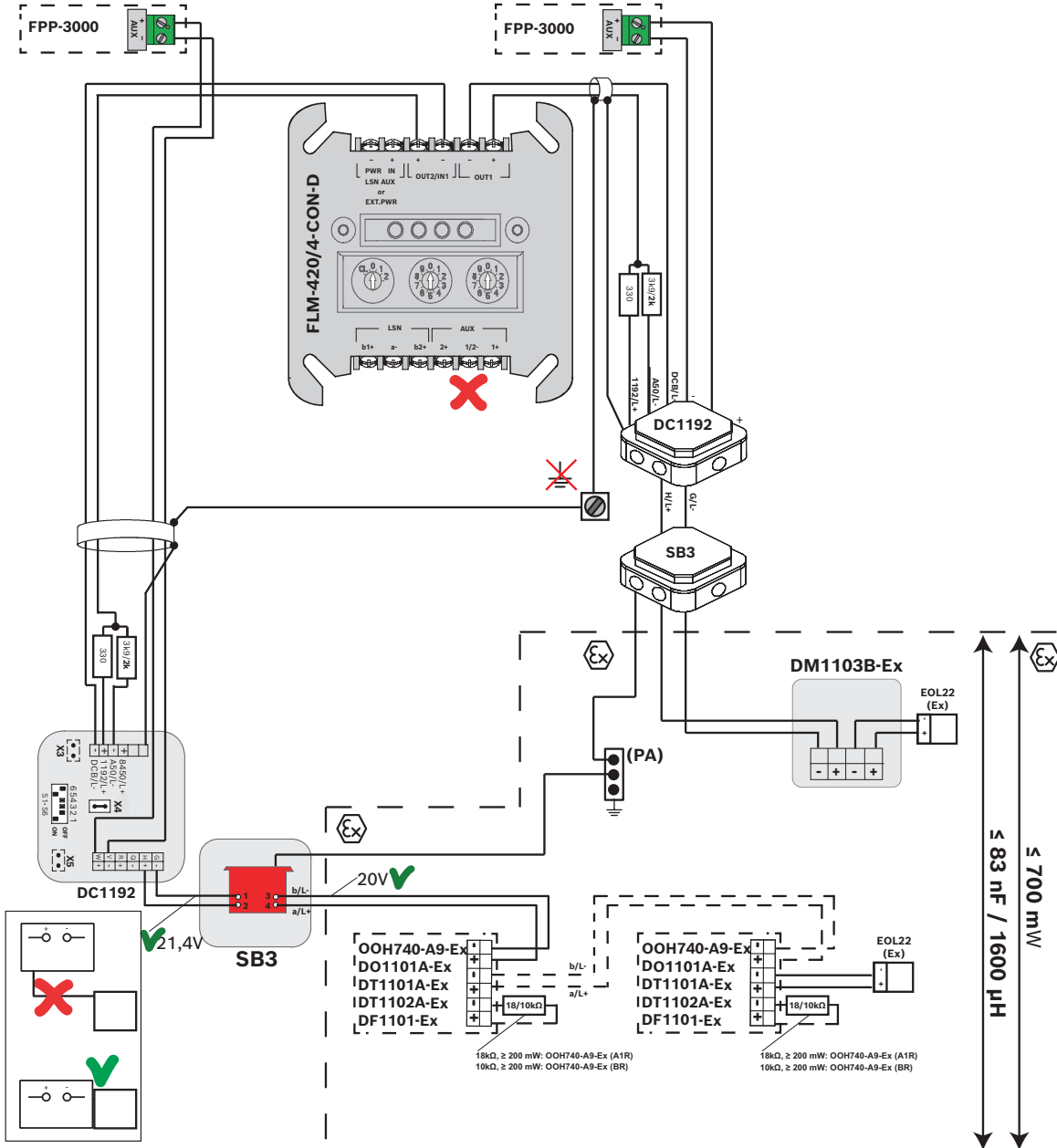


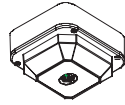
DC1192, SB3
OOH740-A9-Ex
DO1101A-Ex
DT1101A-Ex-
/DT1102A-Ex
DF1101-Ex



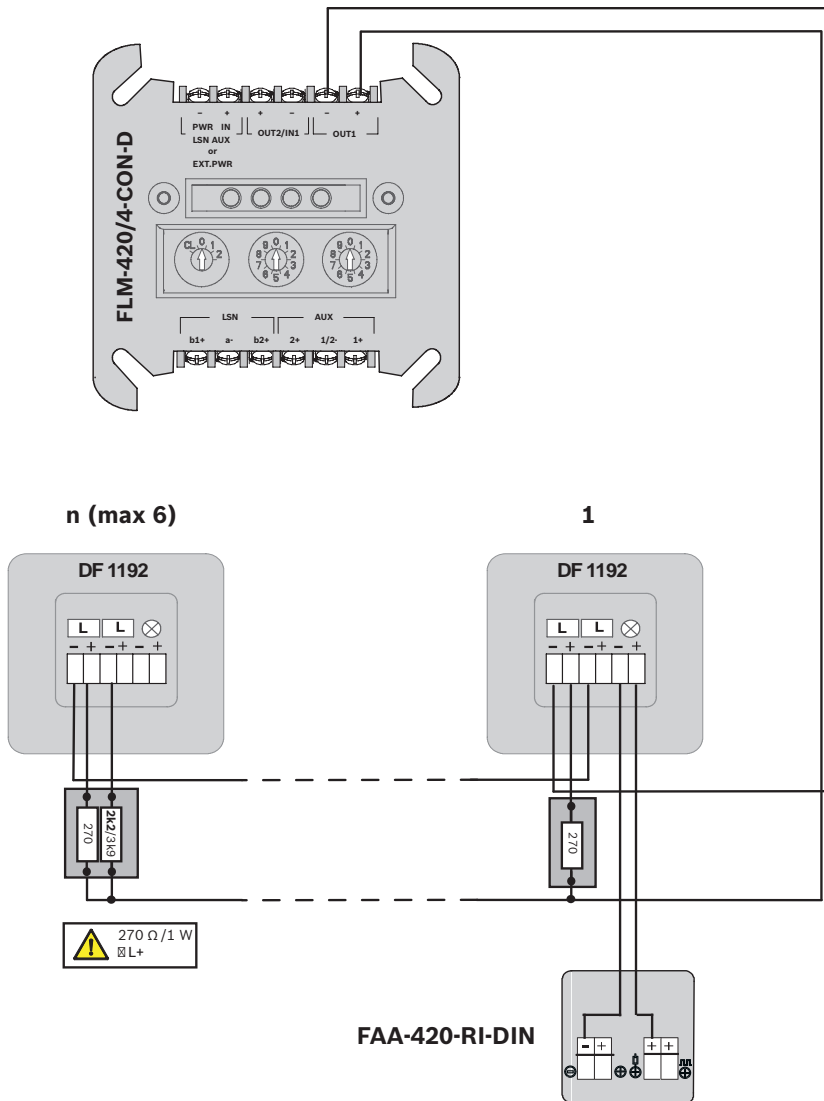


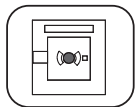
DC1192, SB3
 OOH740-A9-Ex
 DO1101A-Ex
 DT1101A-Ex/DT1102A-Ex
 DF1101-Ex
 DM1103B-Ex



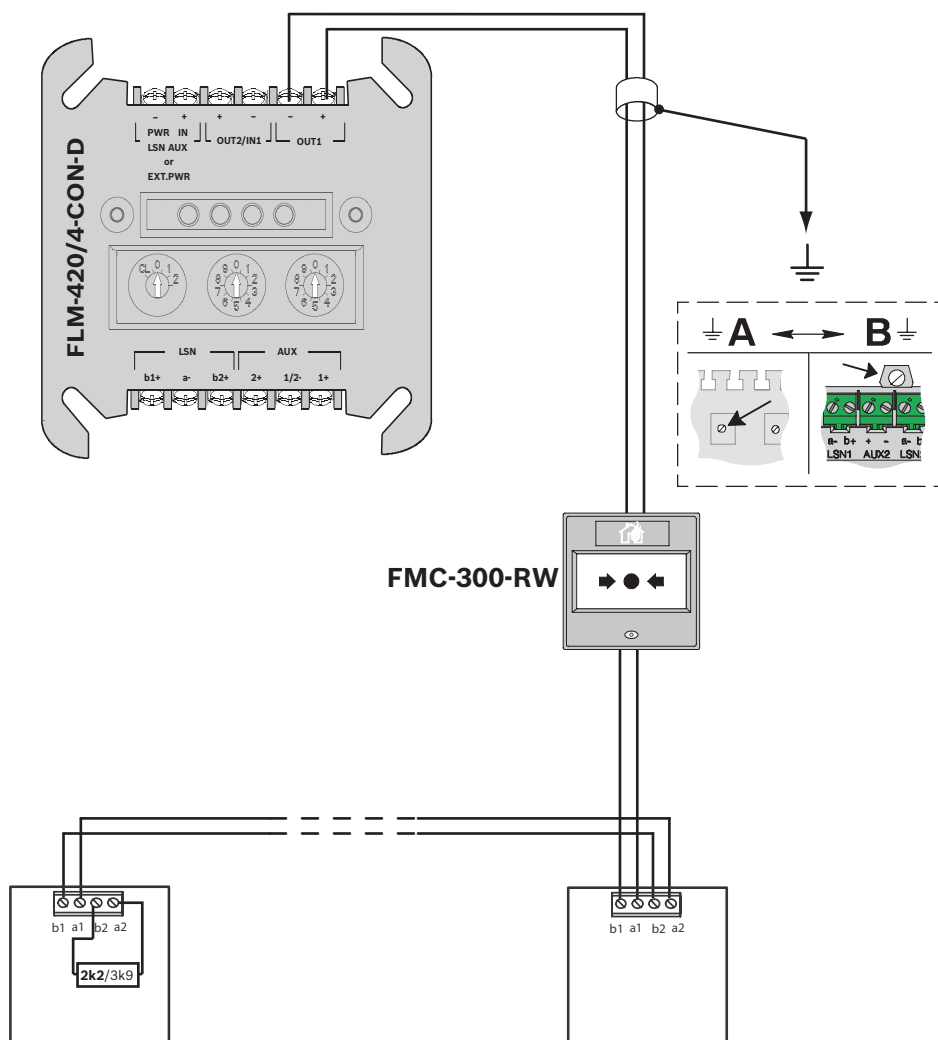
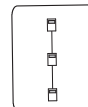


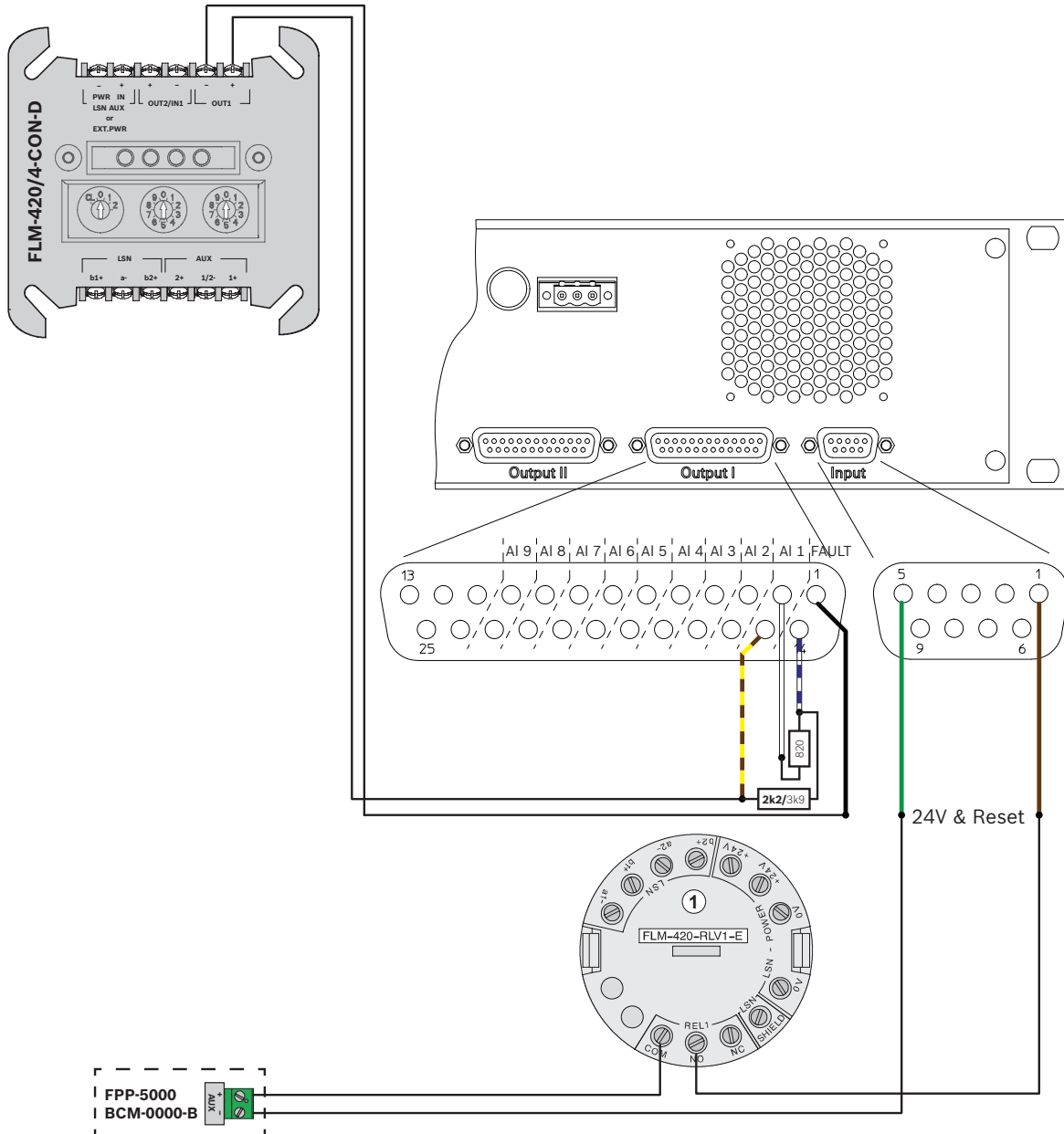
DF 1192

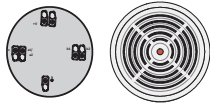




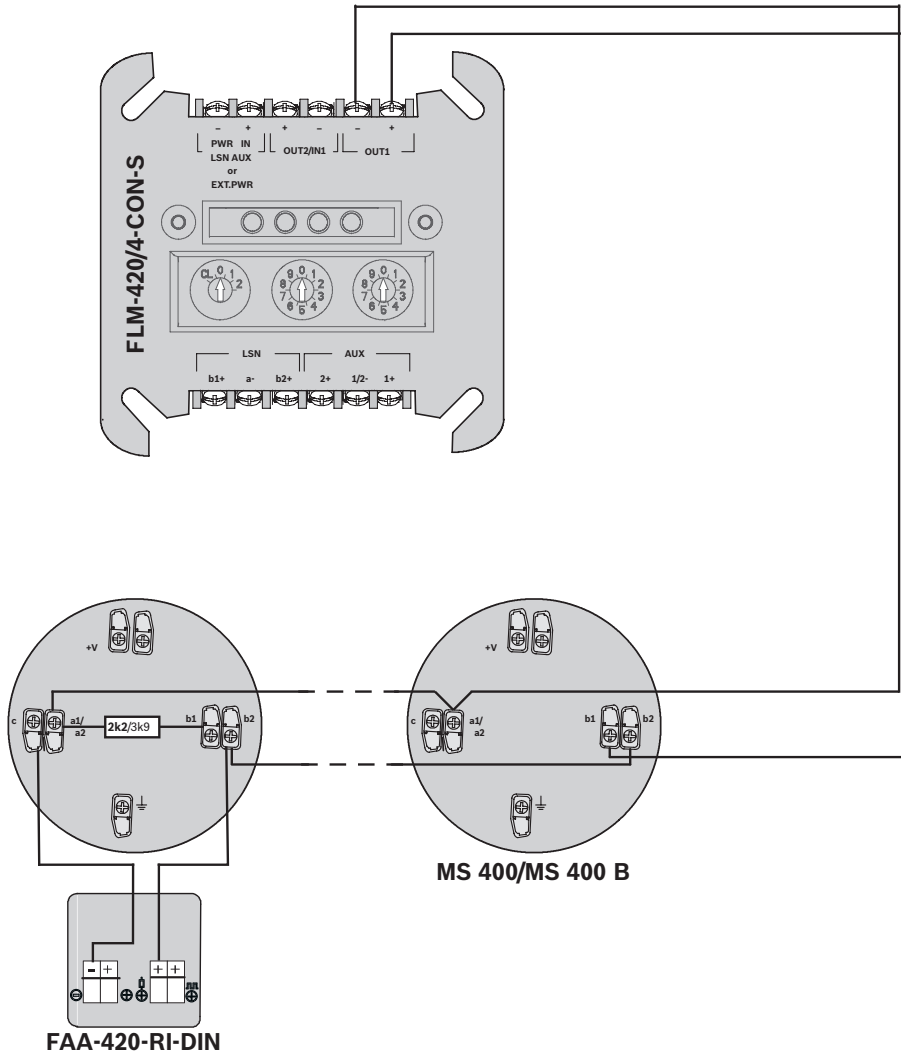
FMC-300-RW

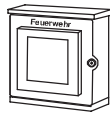
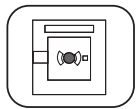




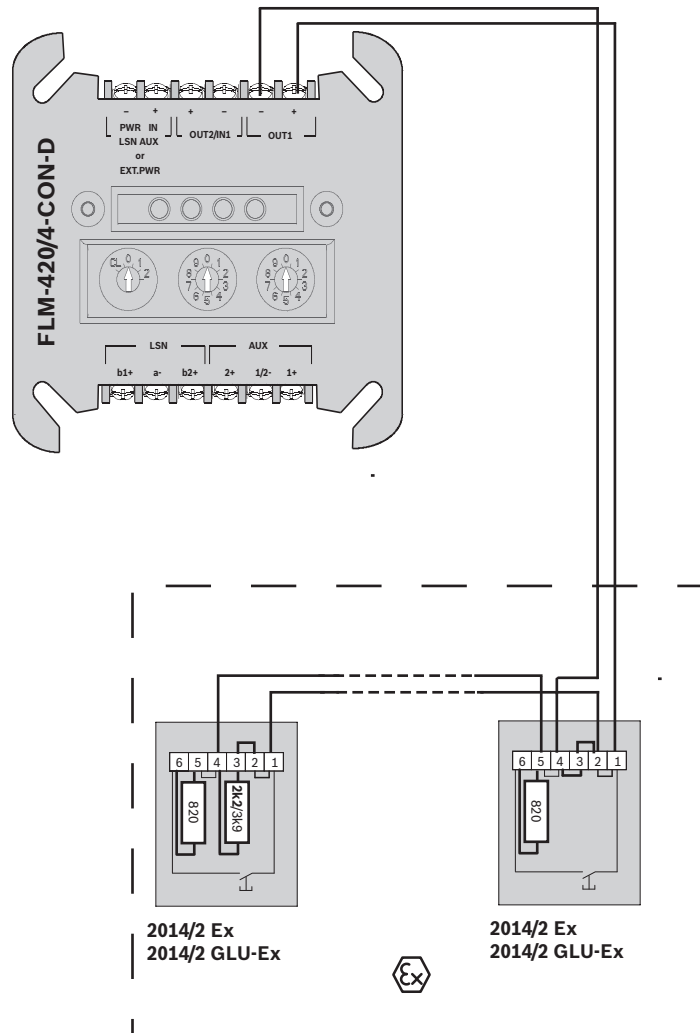
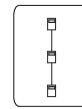


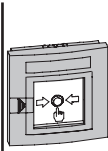
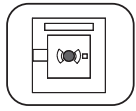
MSS 400, MSS 400 B
 FCH-320-T320
 FCH-T320-R470, FCH-T320-FSA
 FCP-O320, FCP-O320-R470
 FCP-OC320, FCP-OC320-R470
 FCP-OT320, FCP-OT320-R470



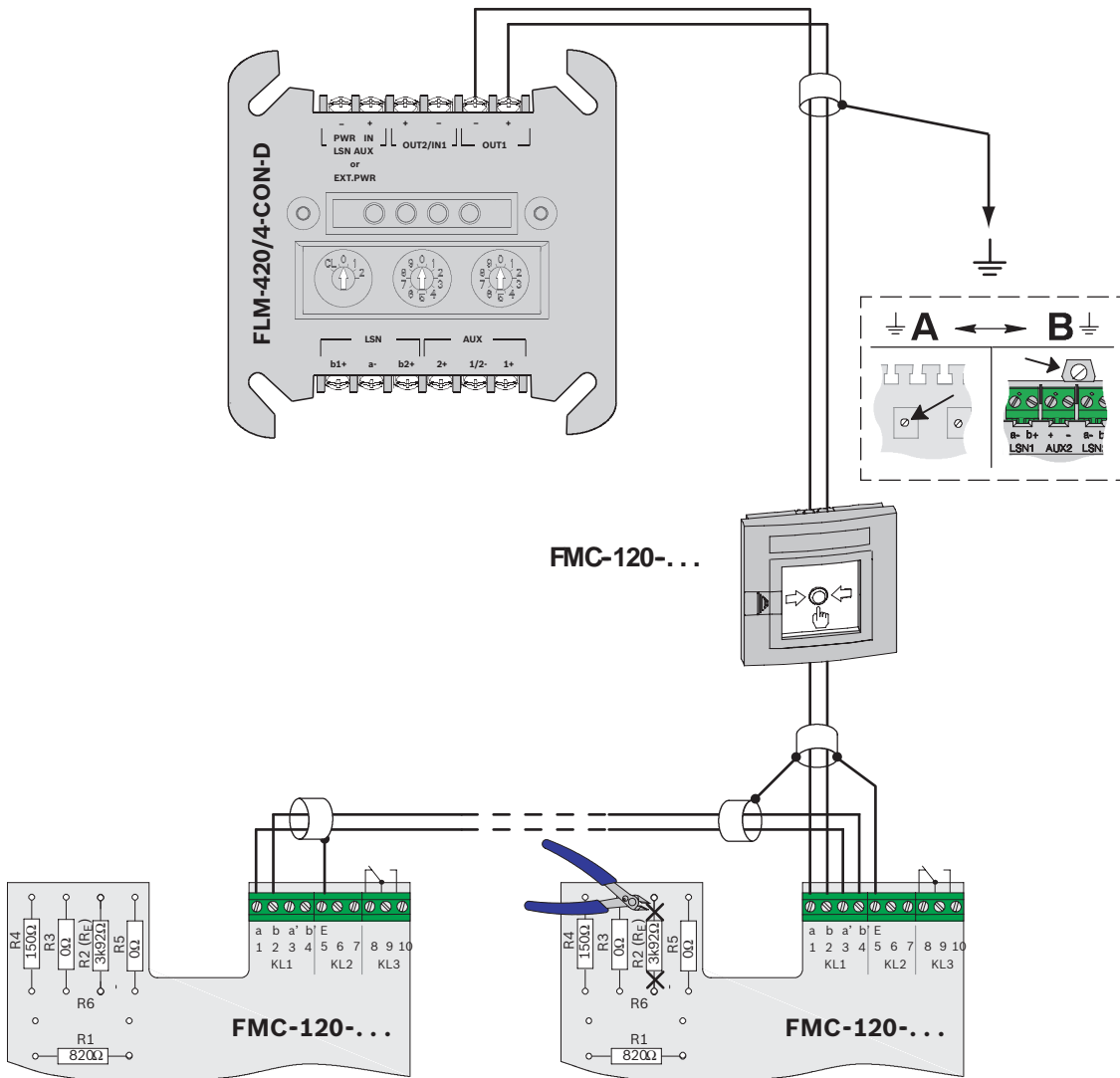
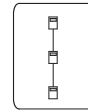


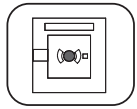
2014/2 Ex
2014/2 GLU-Ex



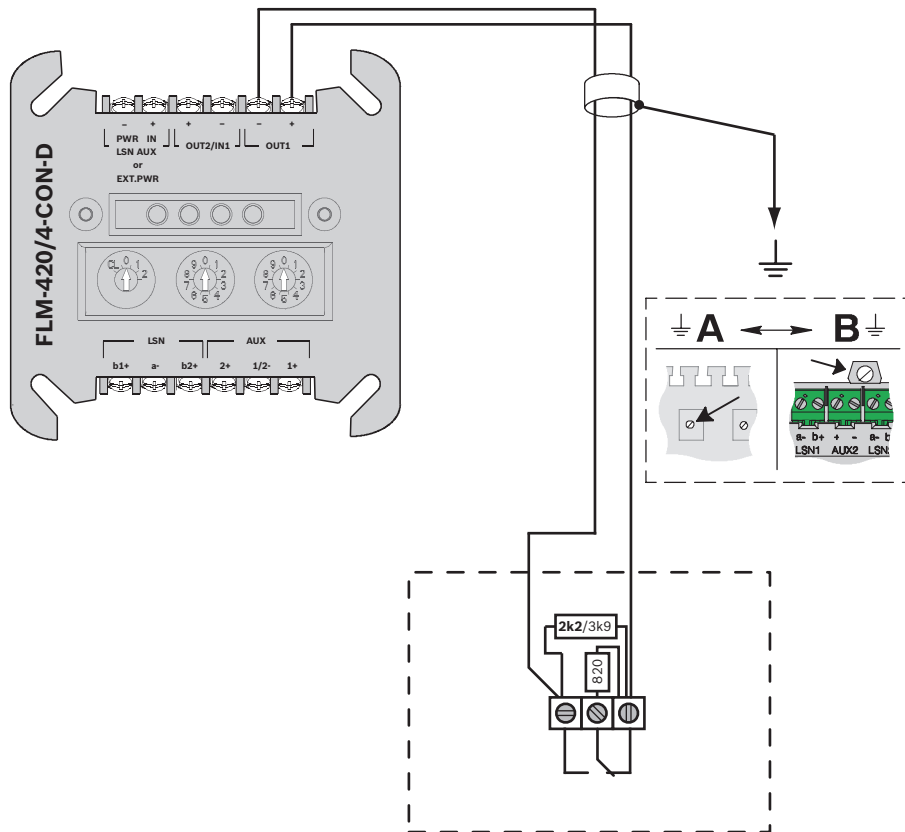
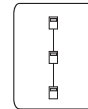


FMC-120-DKM-G-R FMC-120-DKM-G-Y
 FMC-120-DKM-H-R FMC-120-EST-G-B
 FMC-120-DKM-G-B
 FMC-120-DKM-H-B



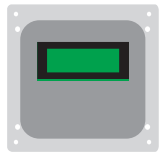


NO



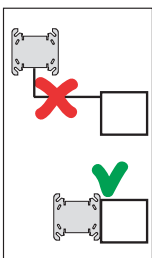
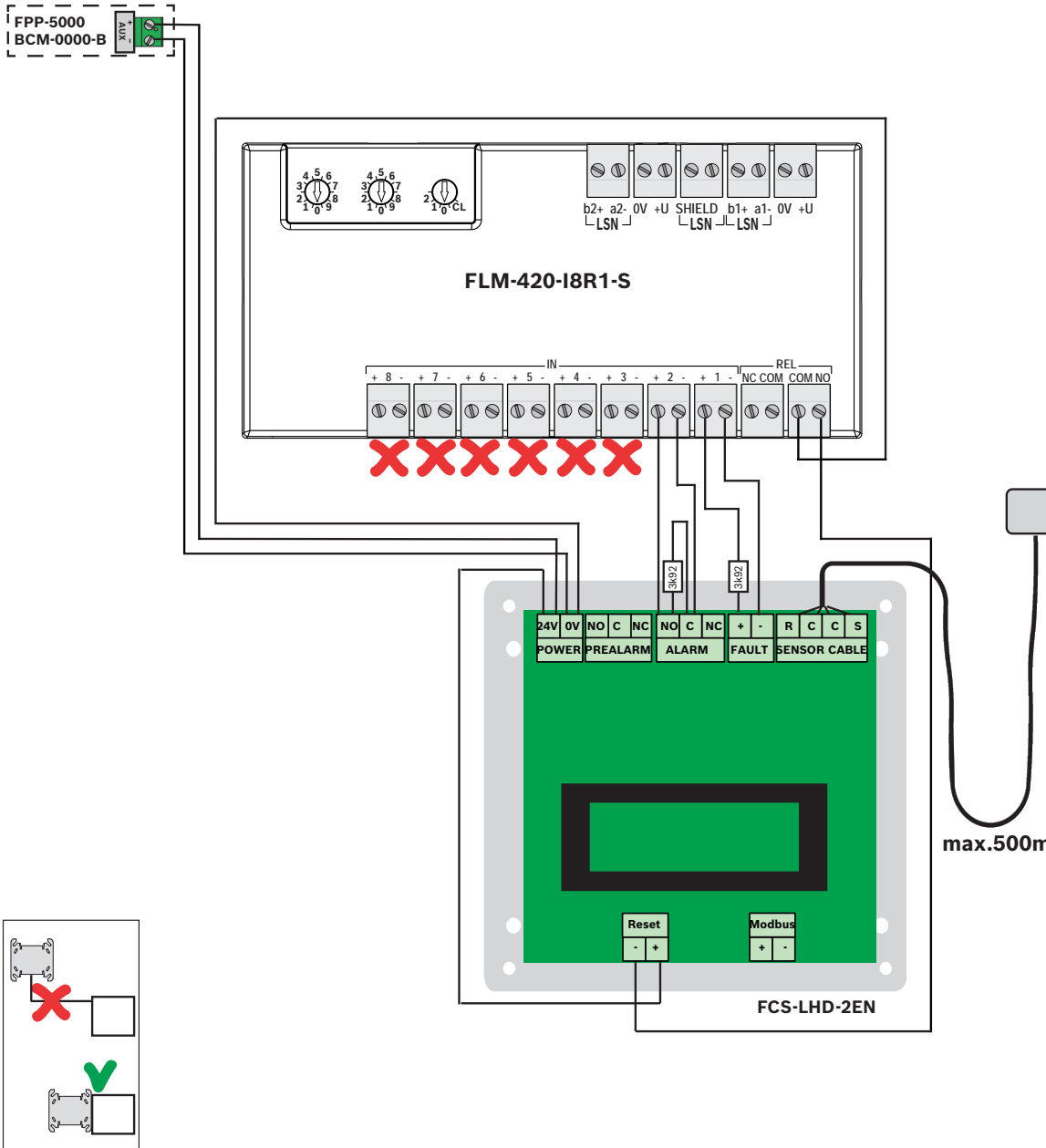
2.5.2

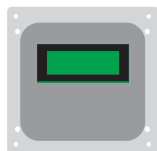
FLM-420-I8R1-S



ProReact EN Analogue

FCS-LHD-2EN





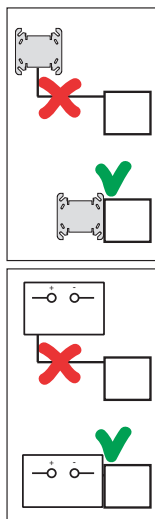
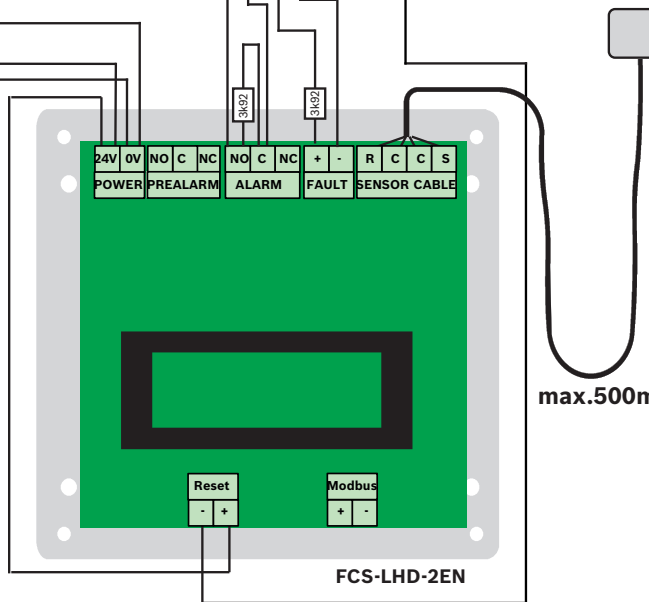
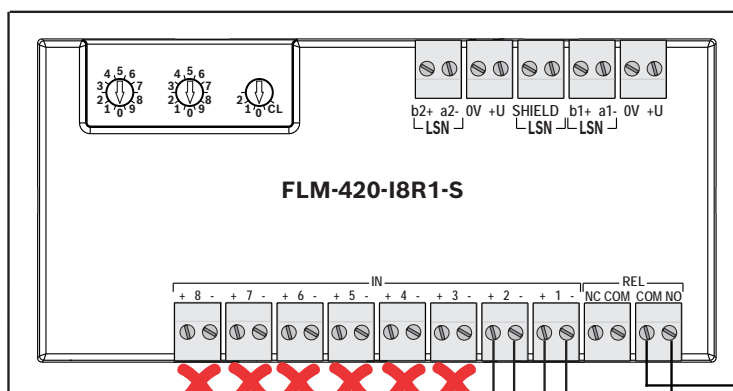
ProReact EN Analogue

FCS-LHD-2EN

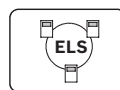


ELS

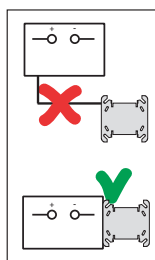
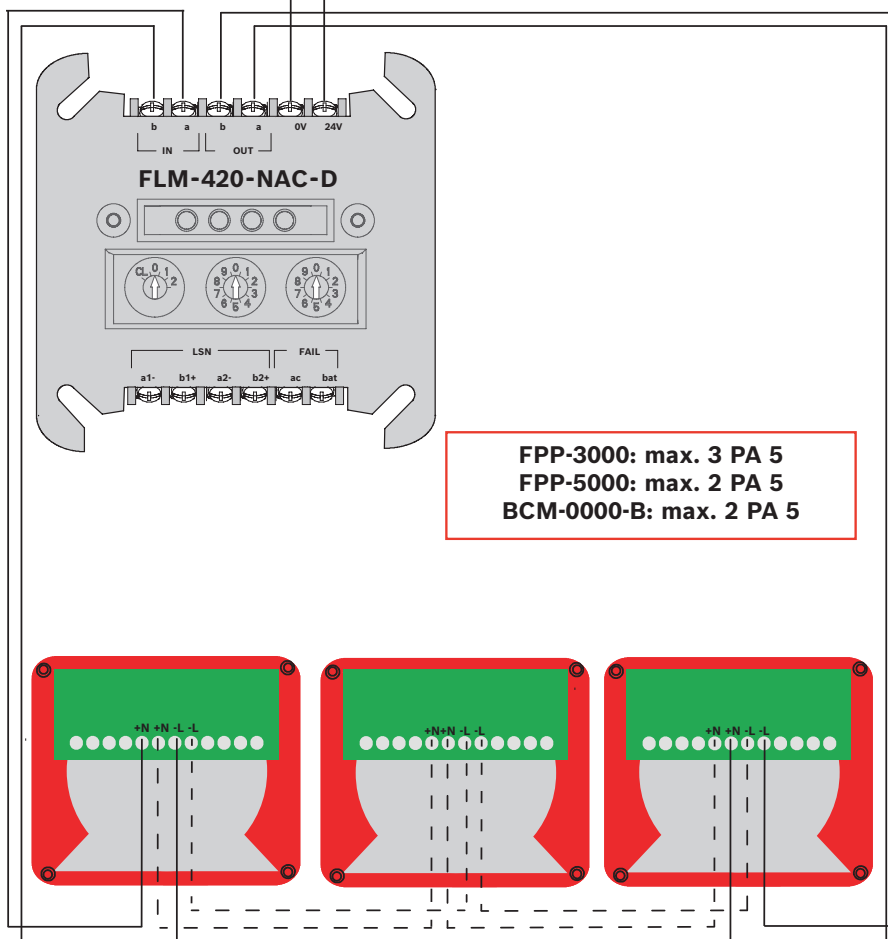
FPP-3000(ZSP135-DR)
FPP-5000
BCM-0000-B



2.5.3 FLM-420-NAC-D/S

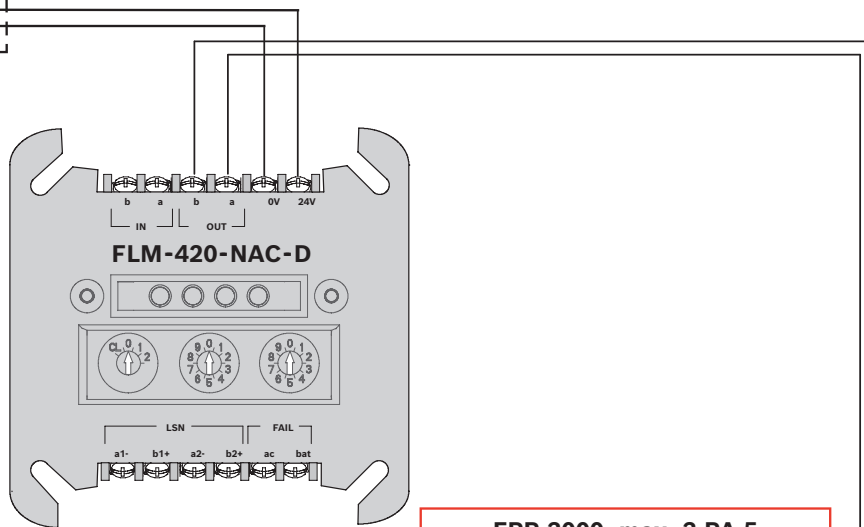


FPP-3000(ZSP135-DR)
 FPP-5000
 BCM-0000-B

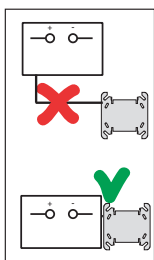
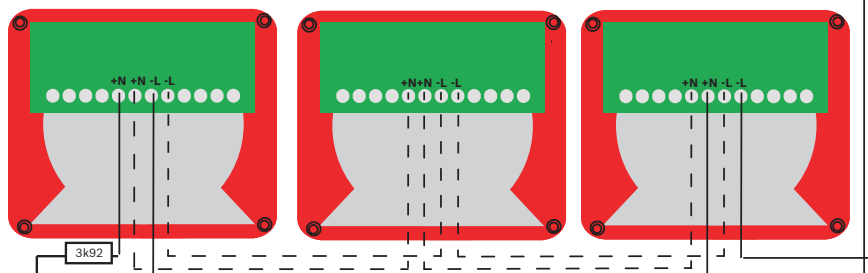


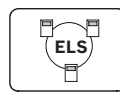


FPP-3000
FPP-5000
BCM-0000-B

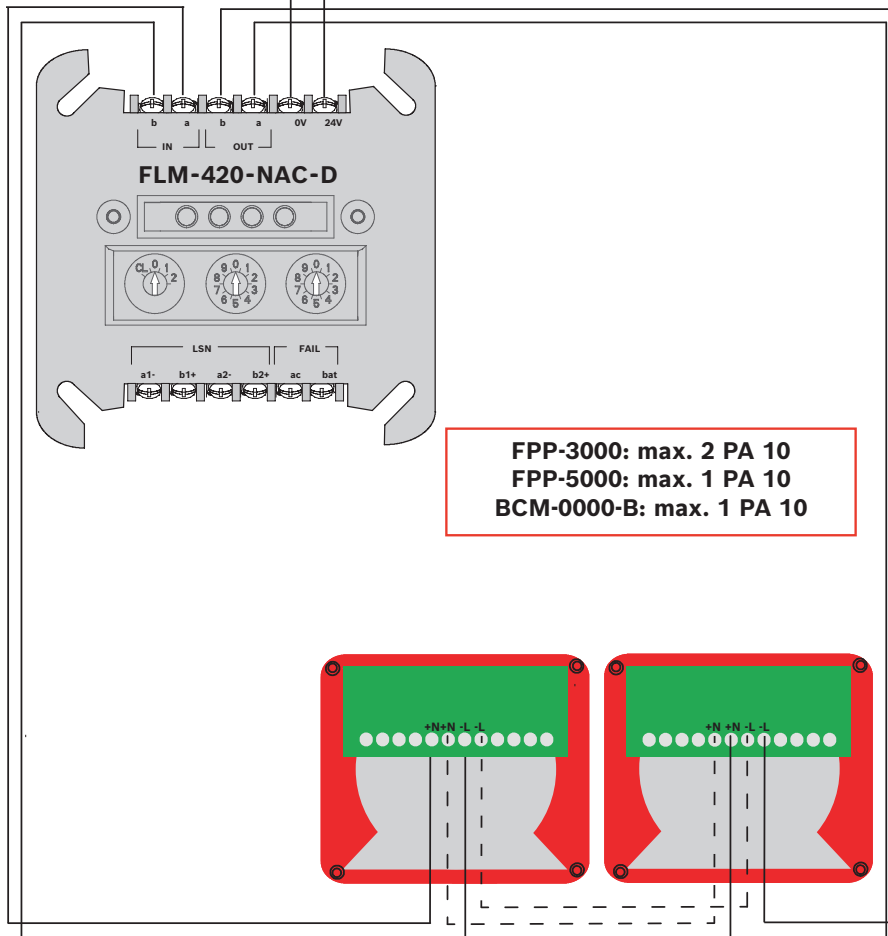


FPP-3000: max. 3 PA 5
FPP-5000: max. 2 PA 5
BCM-0000-B: max. 2 PA 5

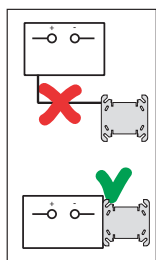




FPP-3000(ZSP135-DR)
FPP-5000
BCM-0000-B

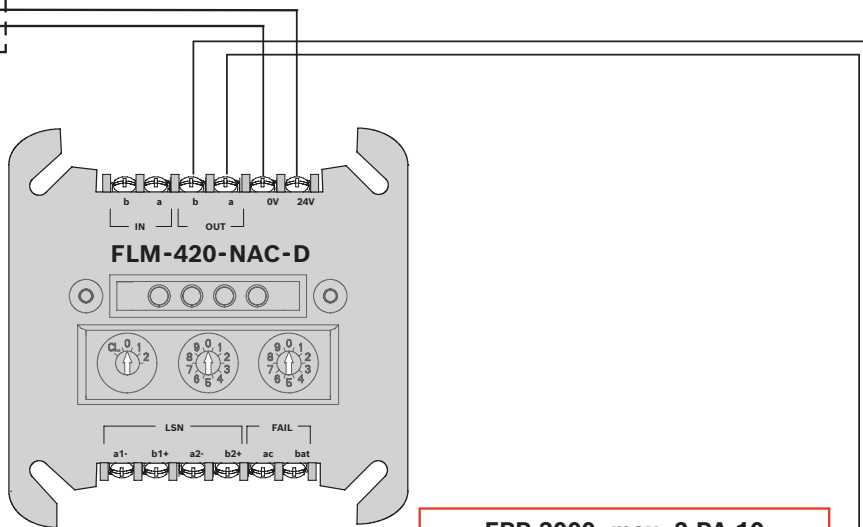


FPP-3000: max. 2 PA 10
FPP-5000: max. 1 PA 10
BCM-0000-B: max. 1 PA 10

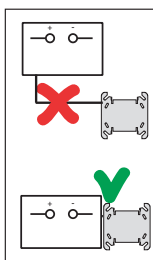
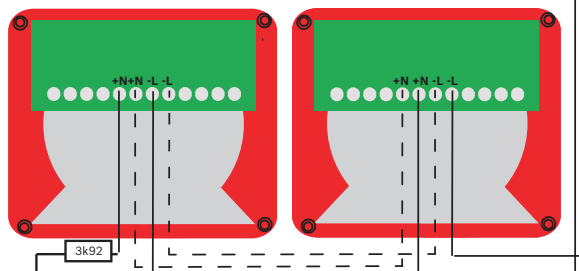


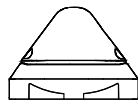


FPP-3000
FPP-5000
BCM-0000-B

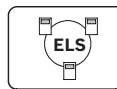


FPP-3000: max. 2 PA 10
FPP-5000: max. 1 PA 10
BCM-0000-B: max. 1 PA 10

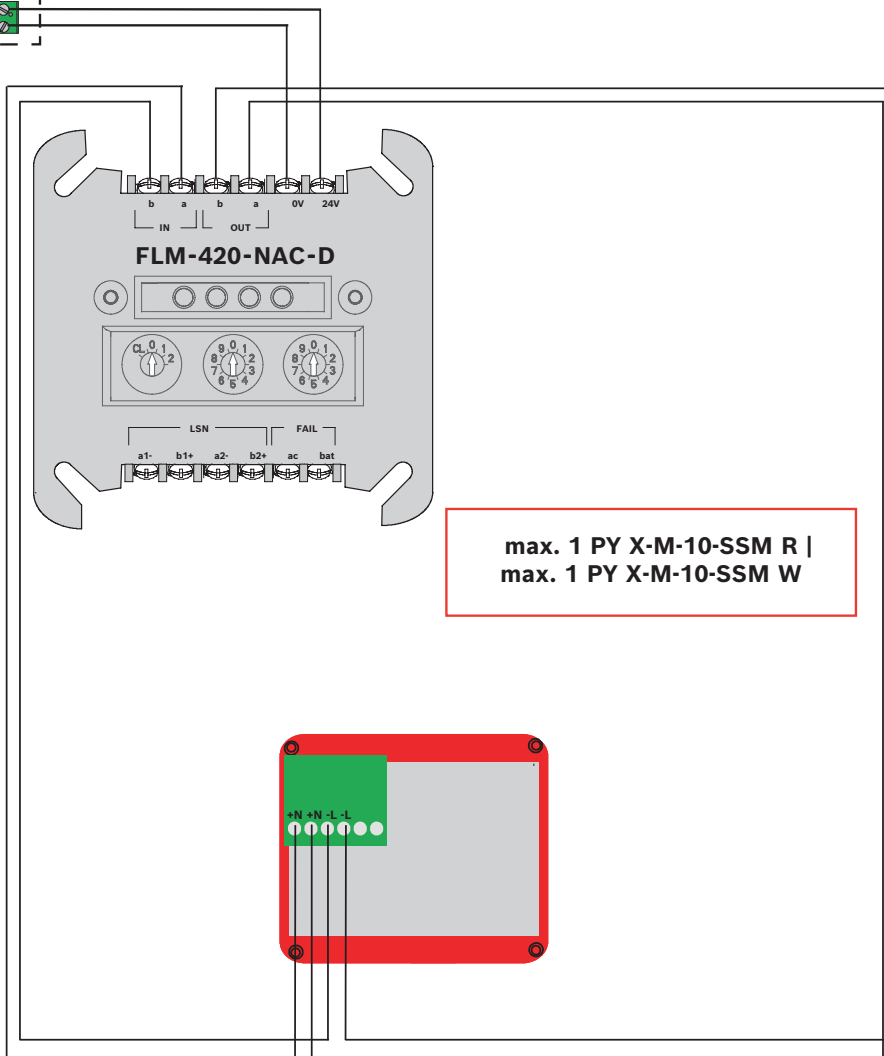




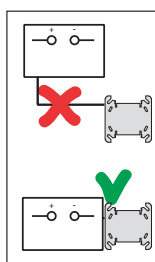
PY X-M-10-SSM R
PY X-M-10-SSM W

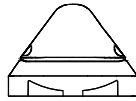


FPP-3000(ZSP-135-DR)
 FPP-5000
 BCM-0000-B



max. 1 PY X-M-10-SSM R |
max. 1 PY X-M-10-SSM W

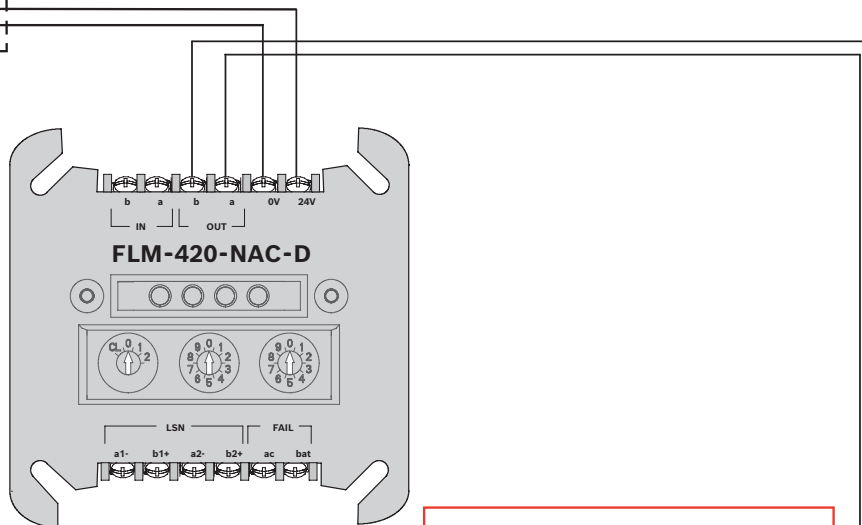




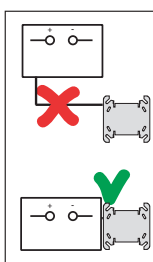
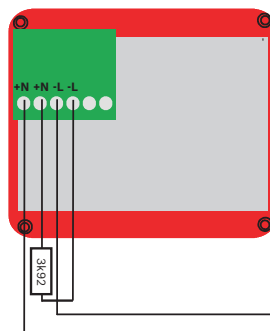
PY X-M-10-SSM R
PY X-M-10-SSM W



FPP-3000
 FPP-5000
 BCM-0000-B

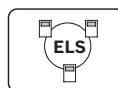


max. 1 PY X-M-10-SSM R |
max. 1 PY X-M-10-SSM W

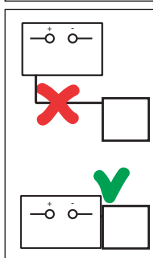
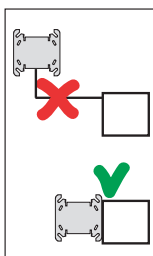
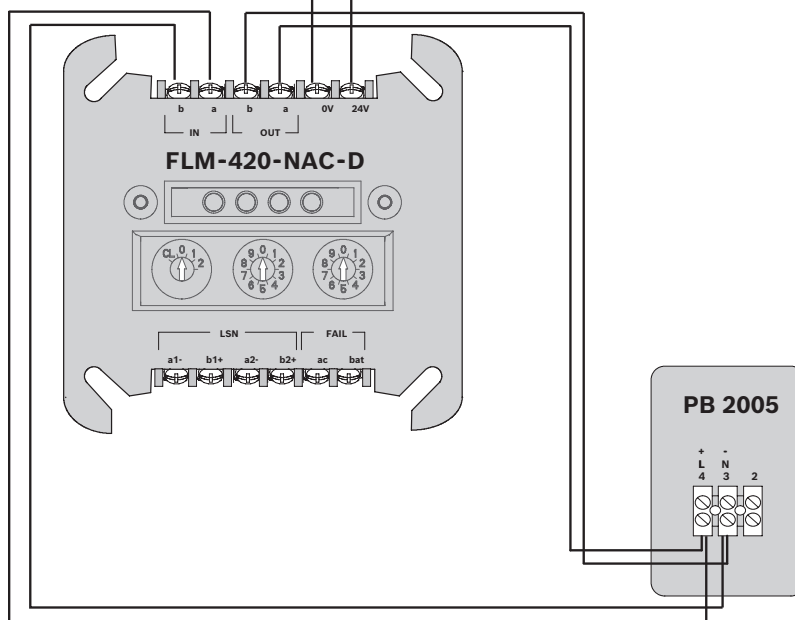




PB 2005



FPP-5000
BCM-0000-B

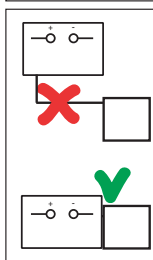
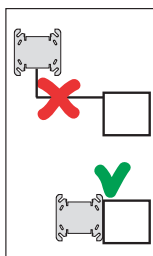
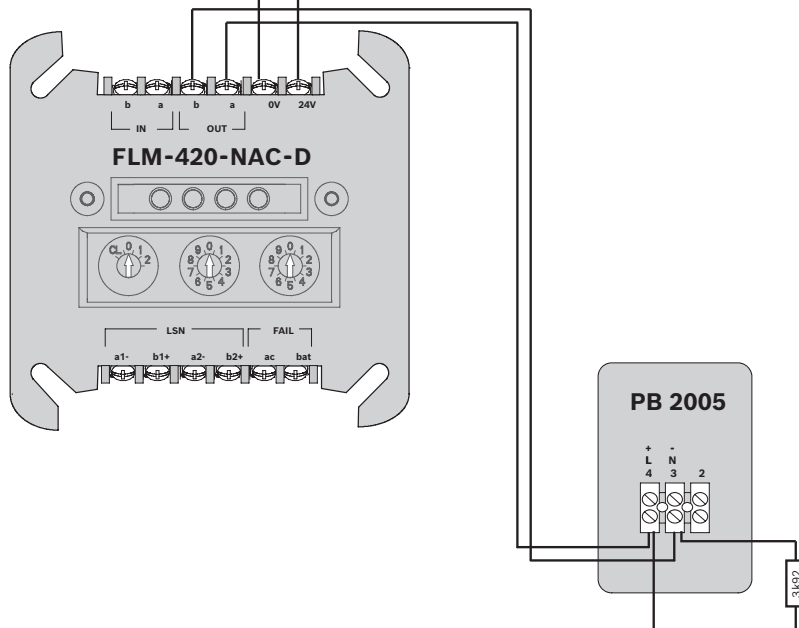


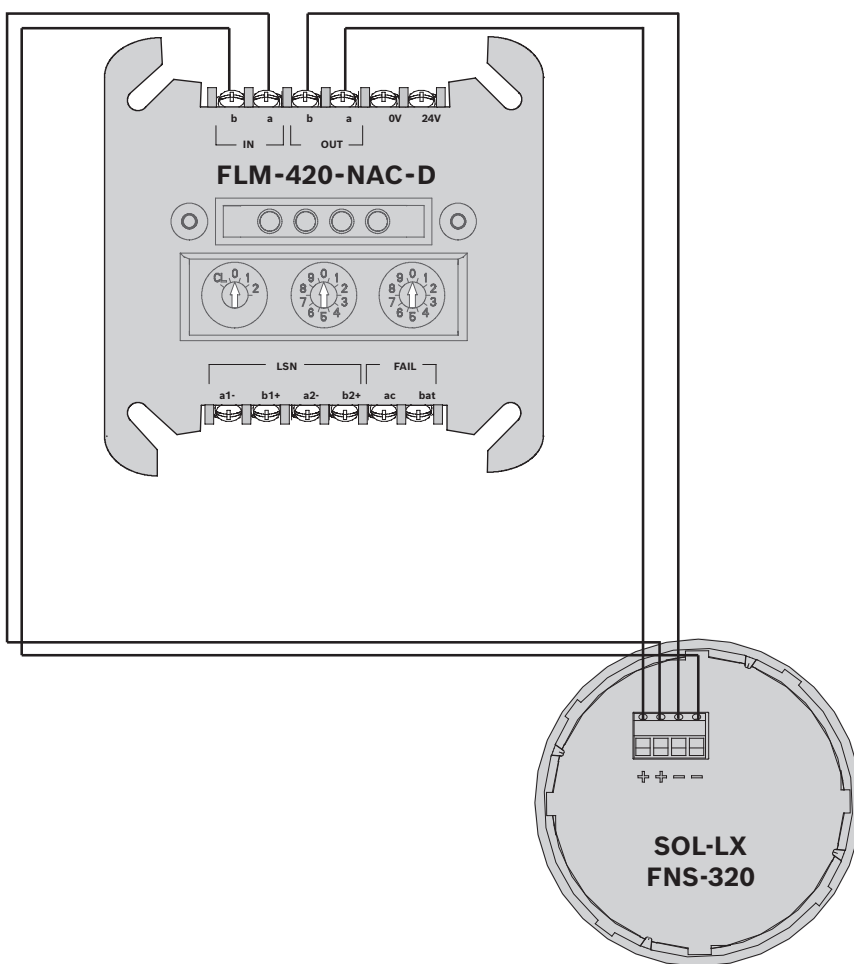
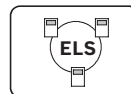


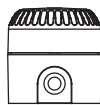
PB 2005



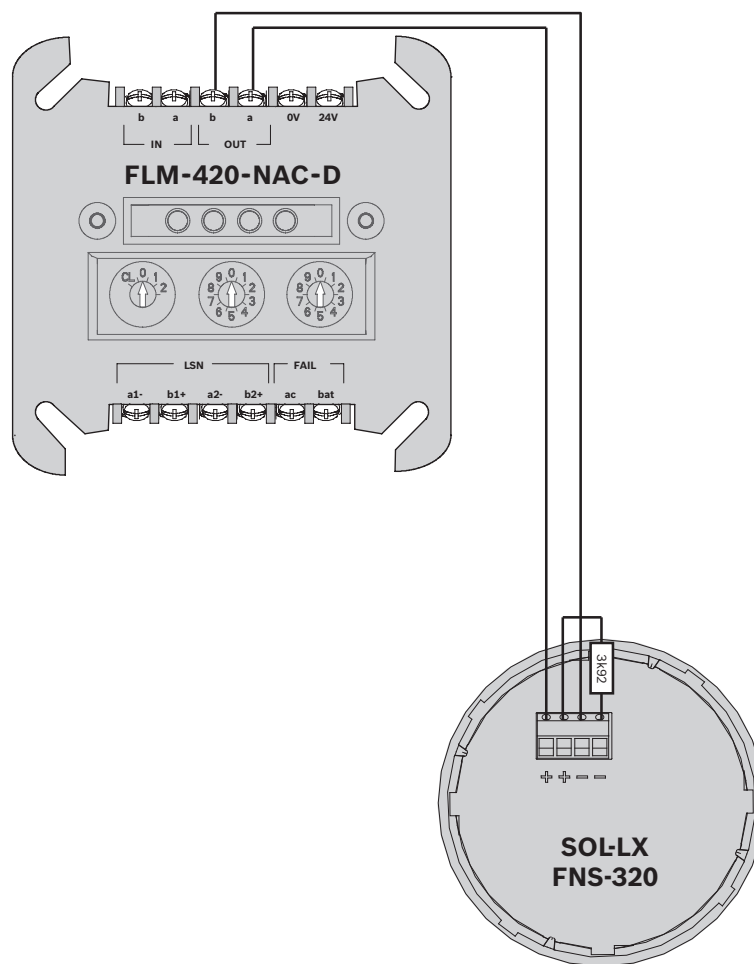
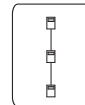
FPP-5000
BCM-0000-B

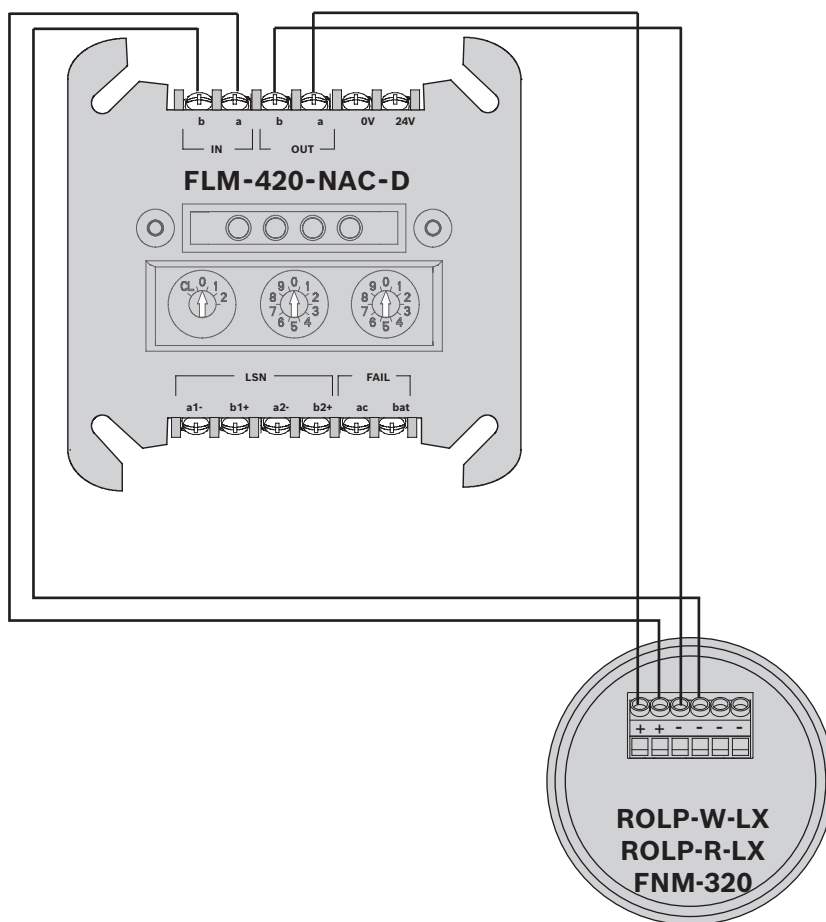
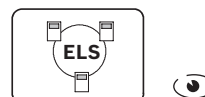






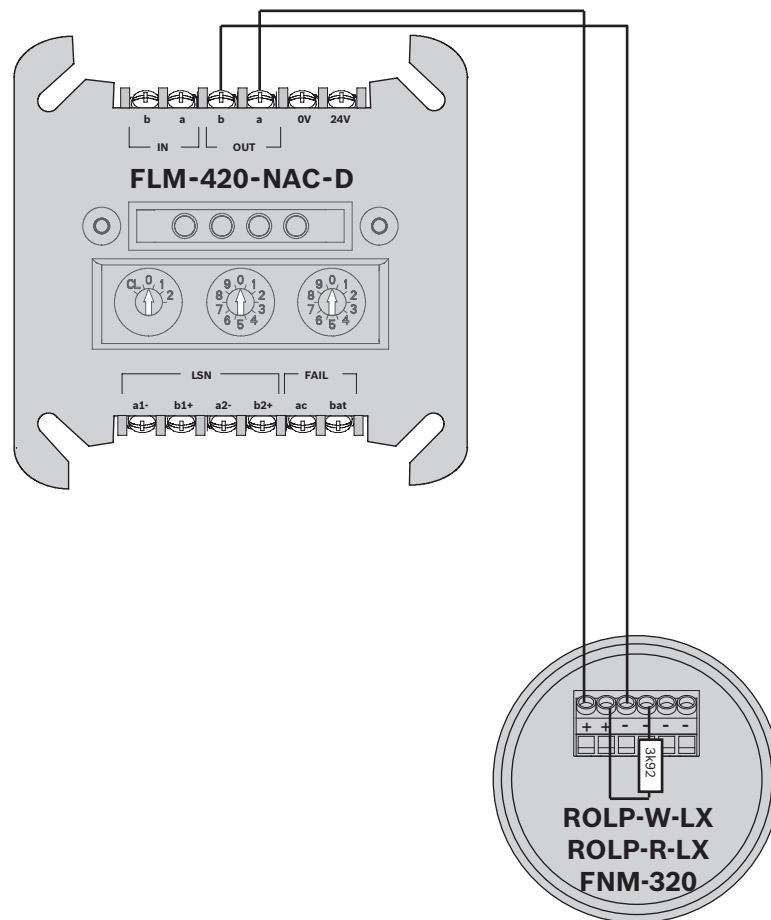
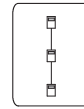
**SOL-LX
FNS-320**



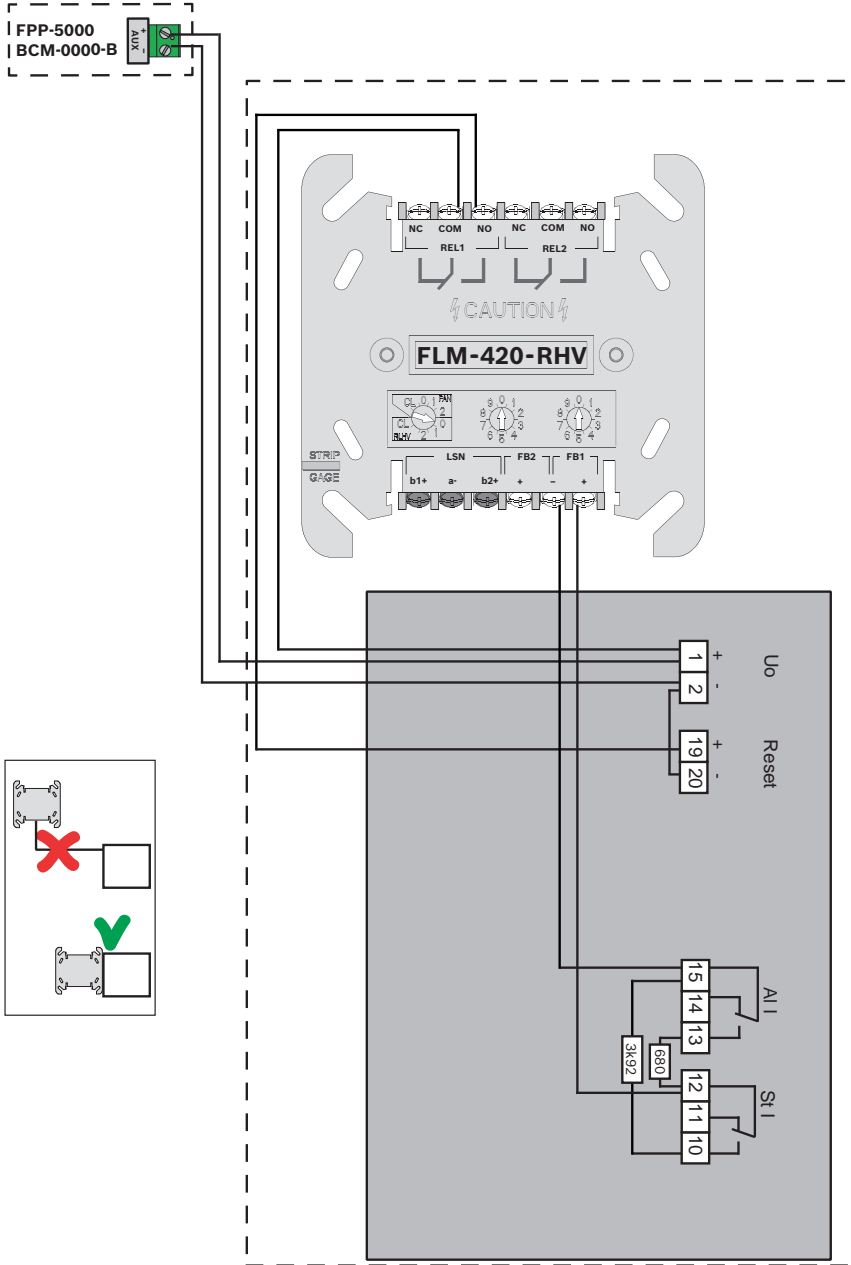




ROLP-W-LX
ROLP-R-LX
FNM-320

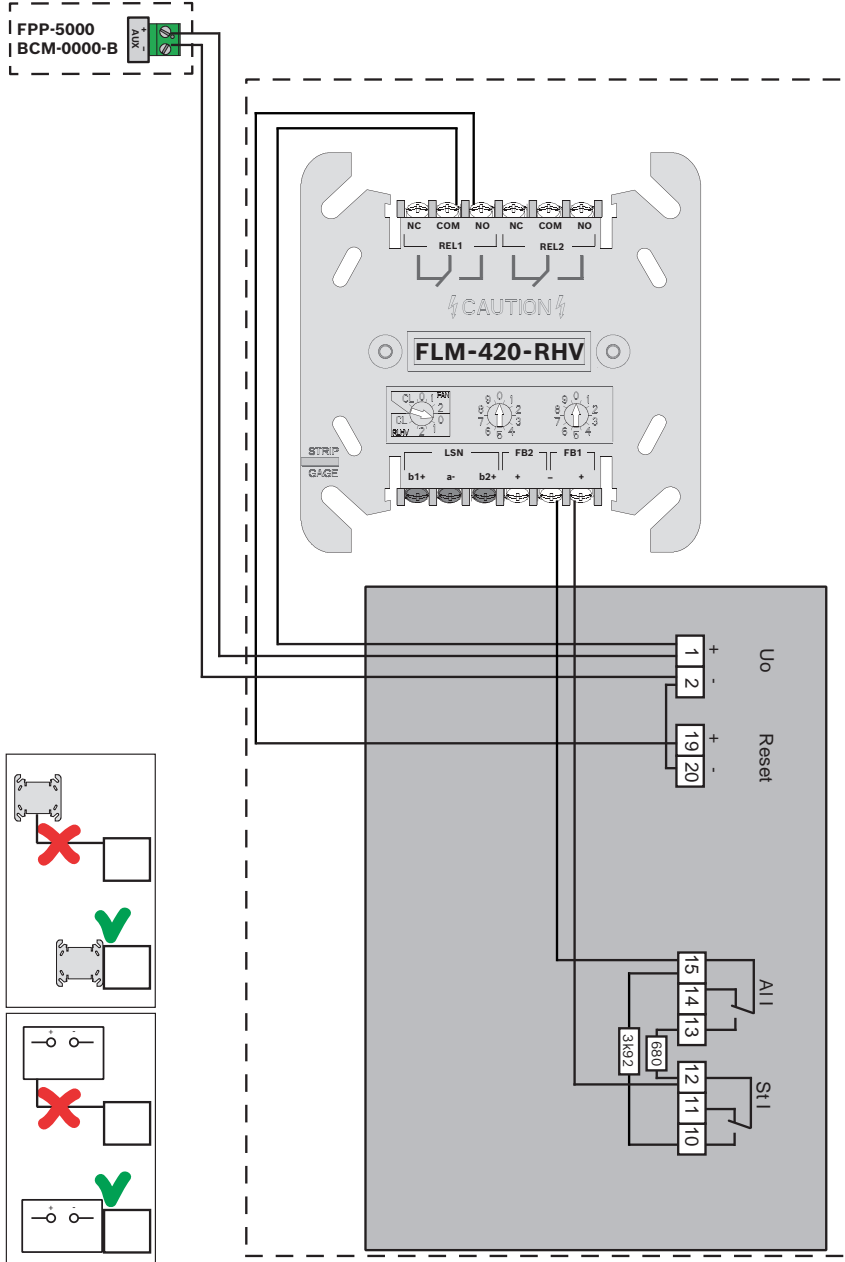


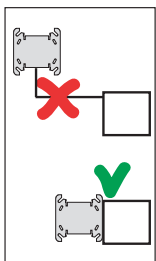
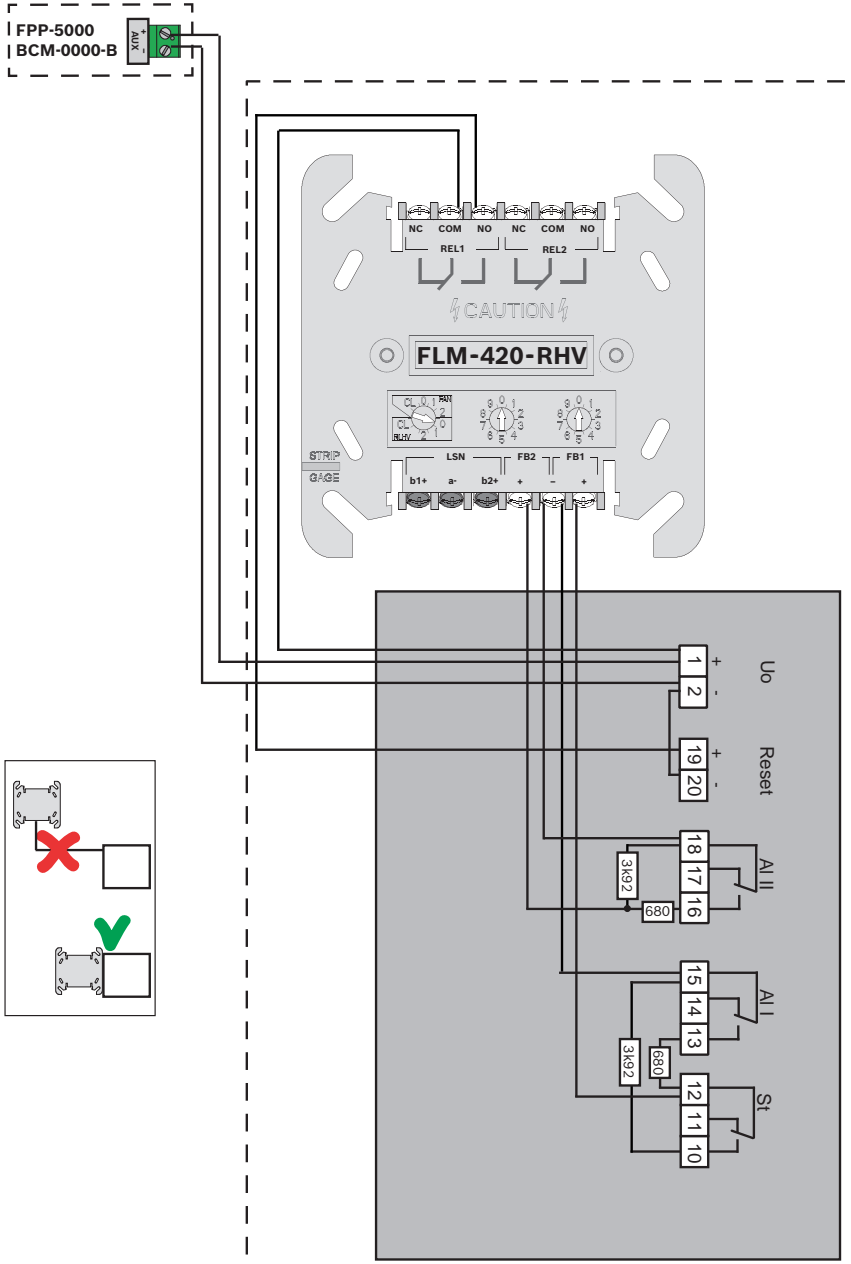
2.5.4 FLM-420-RHV





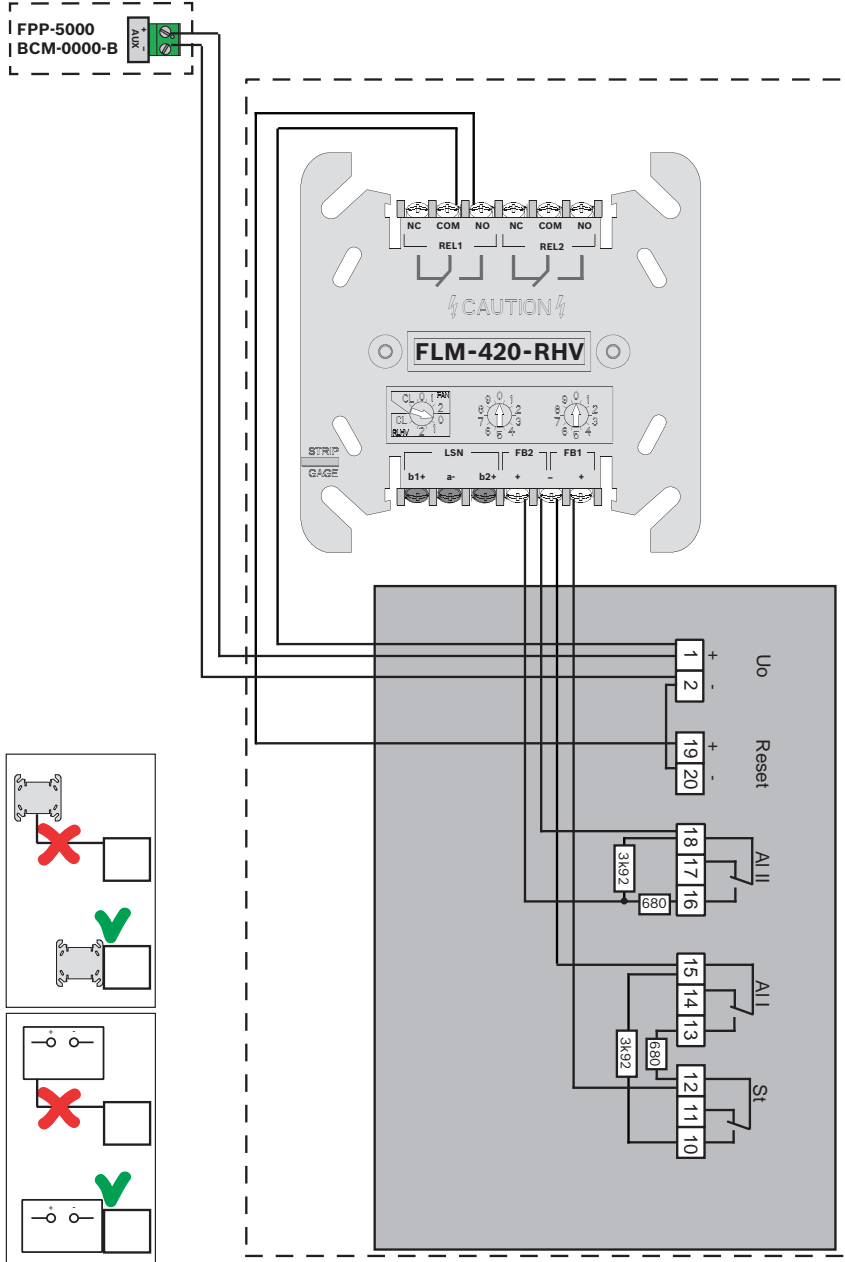
ELS

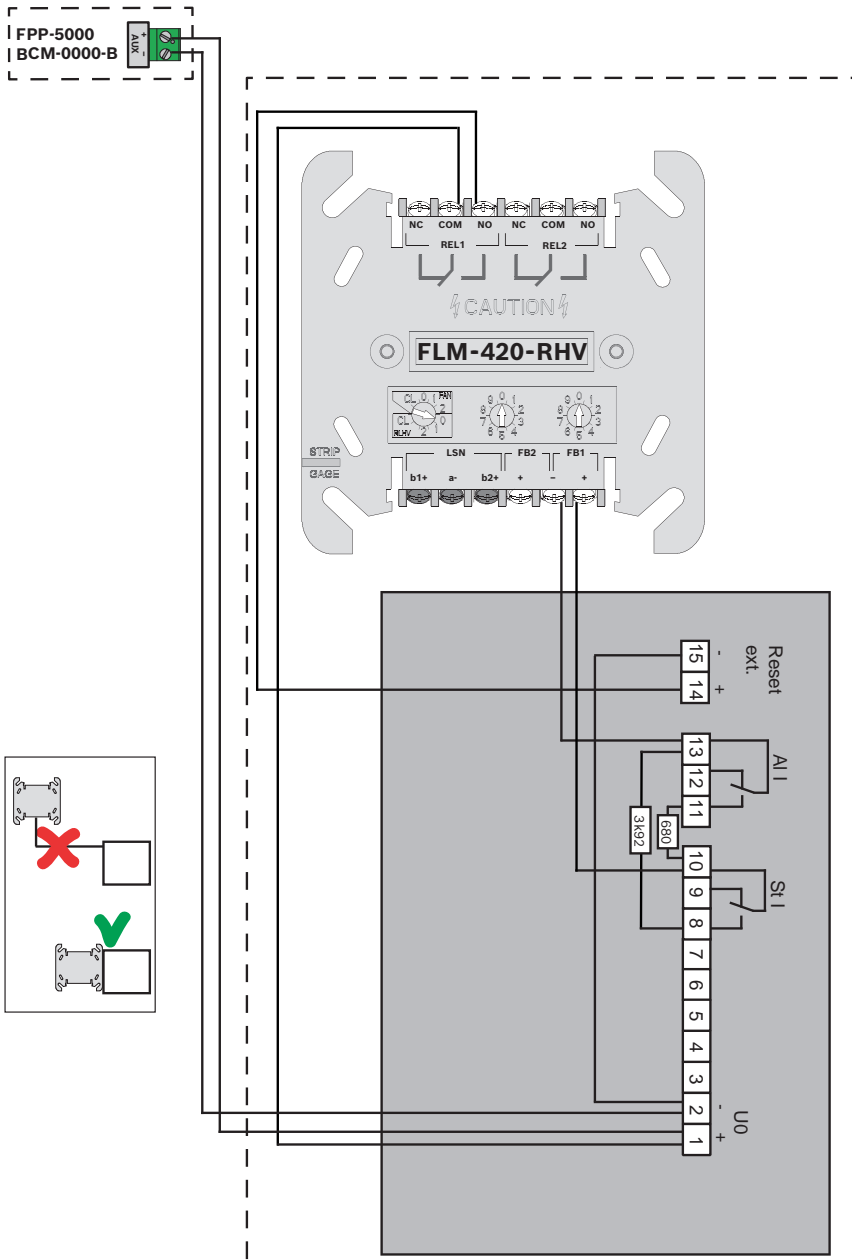






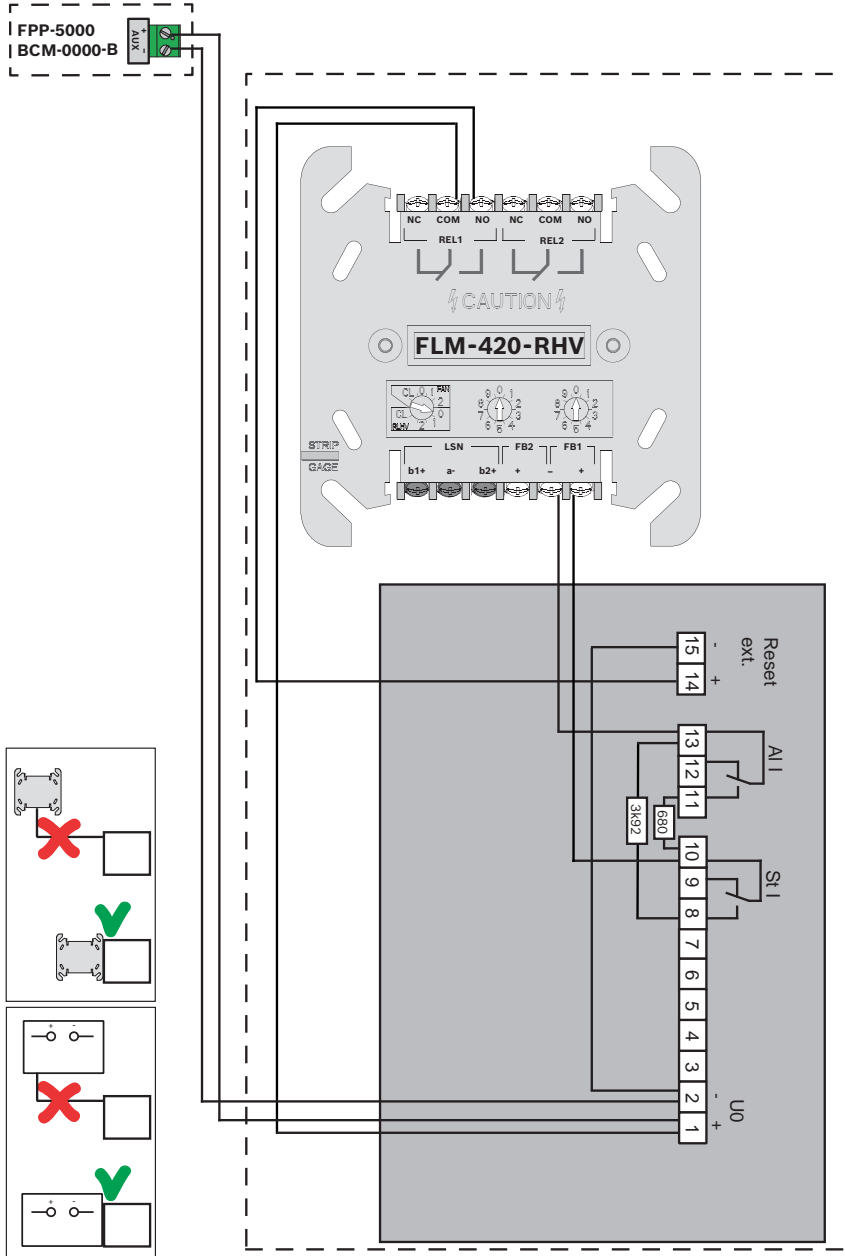
ELS





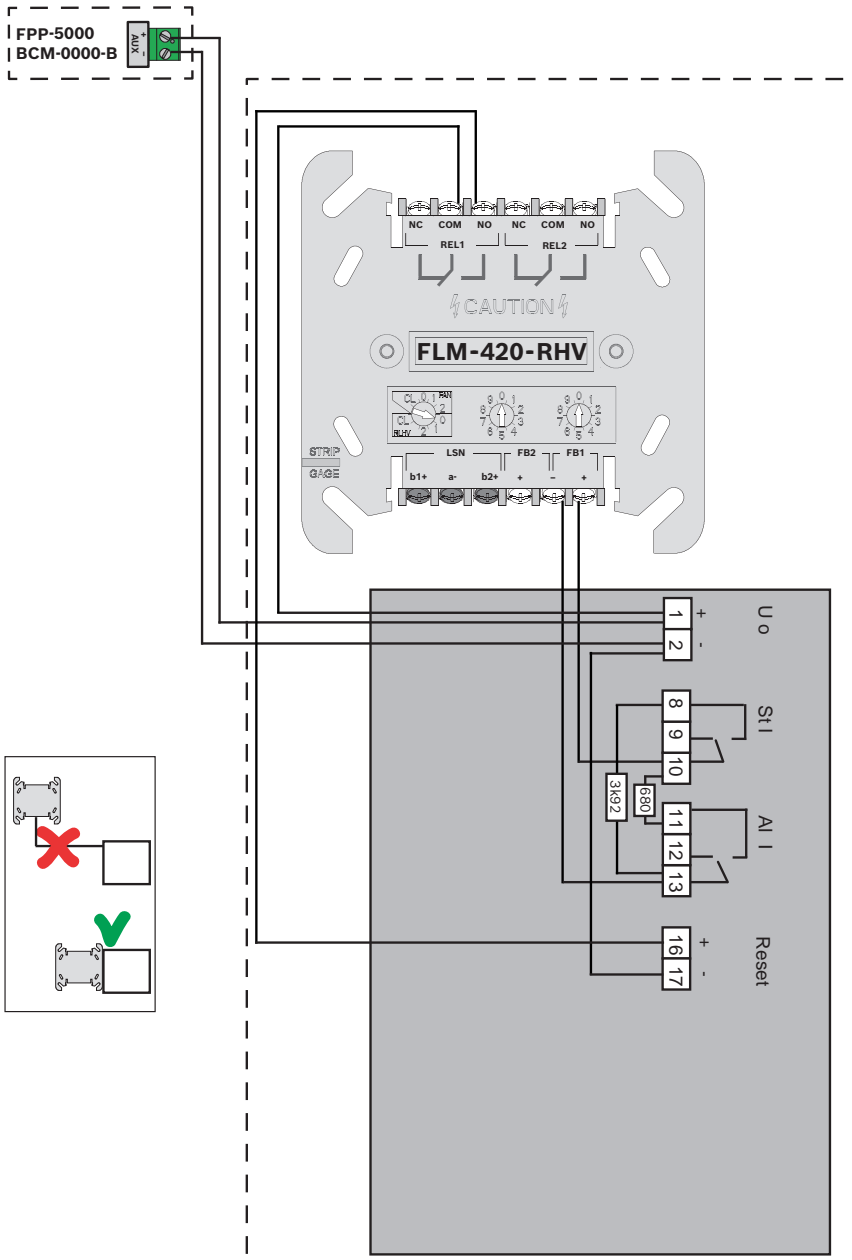


ELS





ADW 535-1

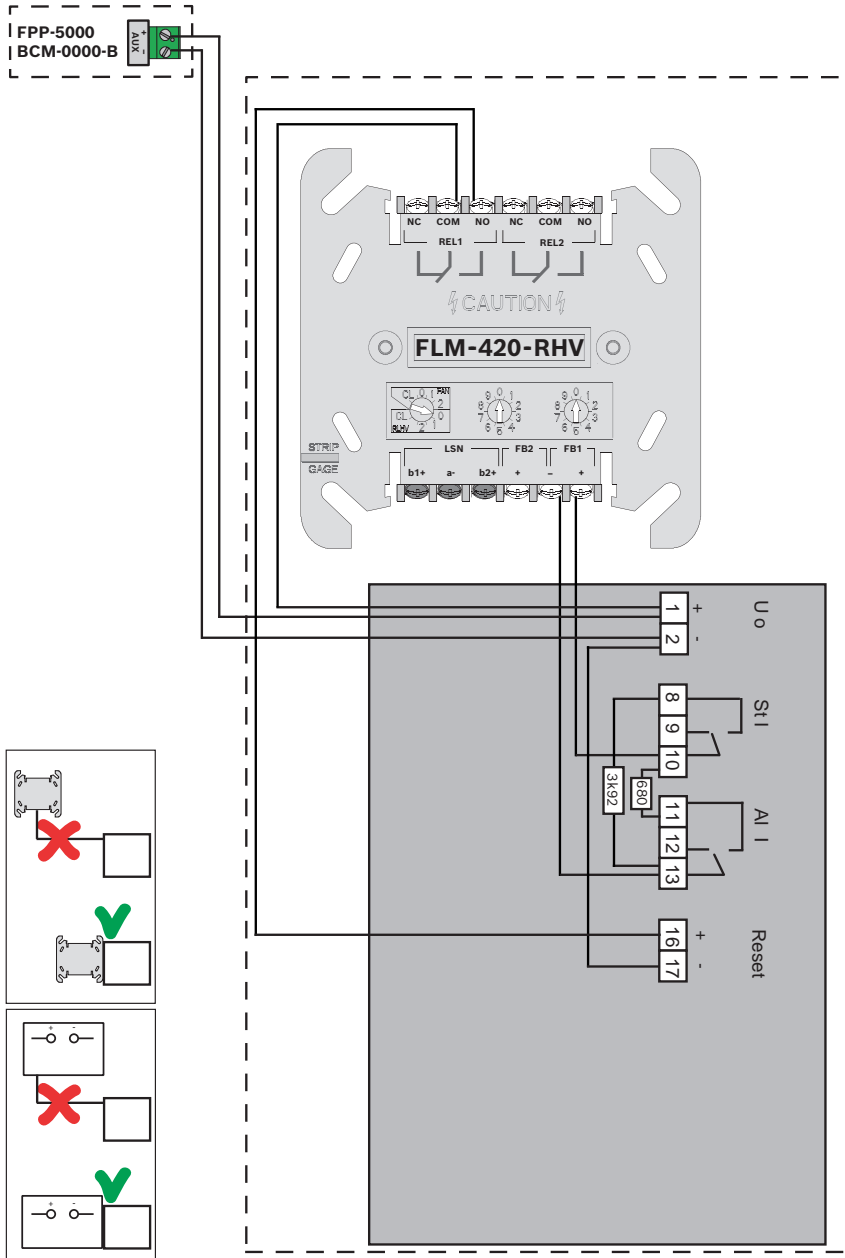




ADW 535-1

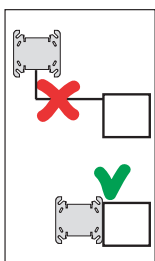
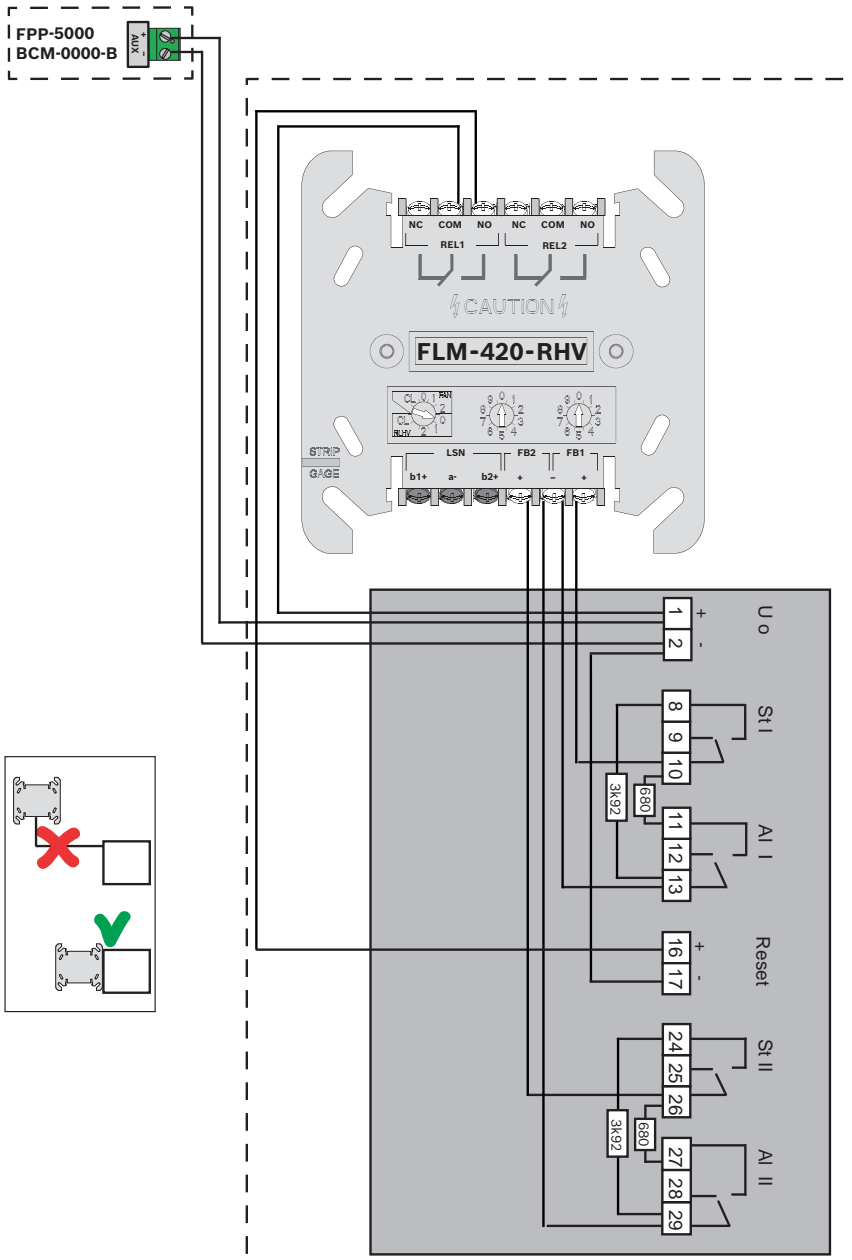


ELS





ADW 535-2

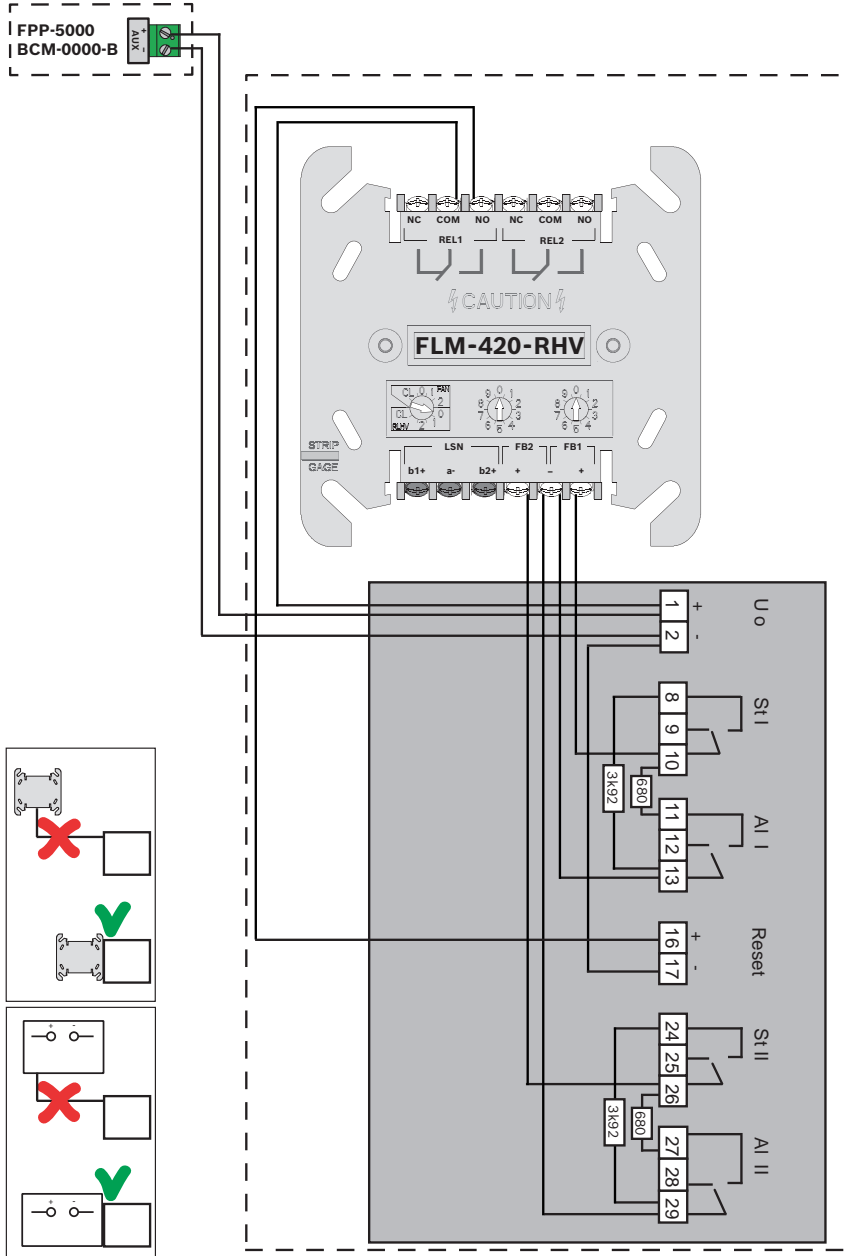




ADW 535-2

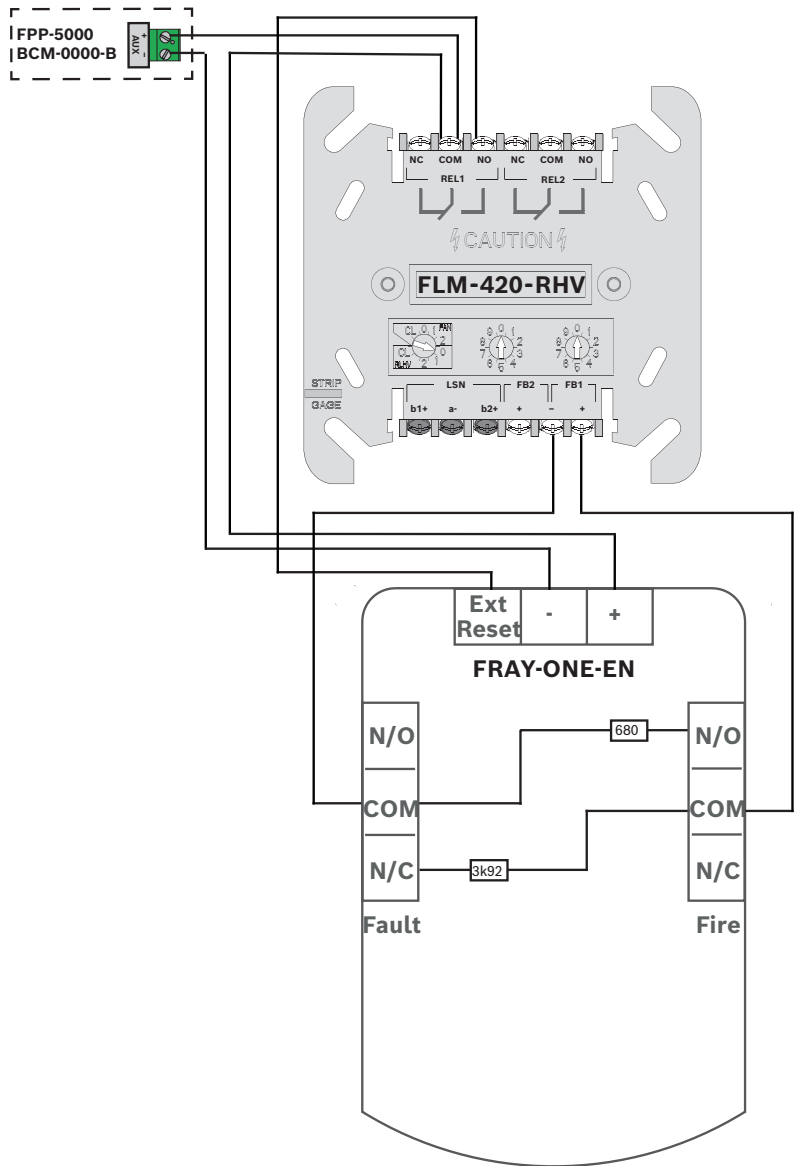


ELS





Fireray One



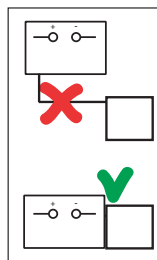
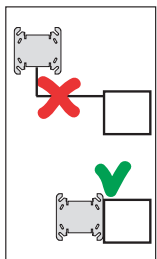
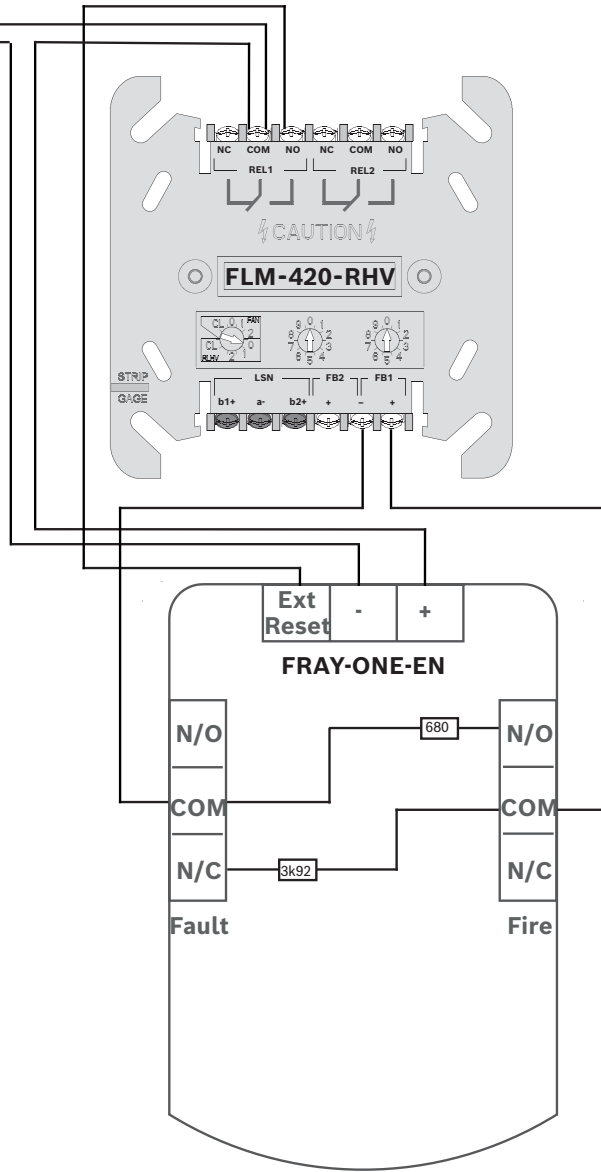


Fireray One



ELS

FPP-5000
BCM-0000-B

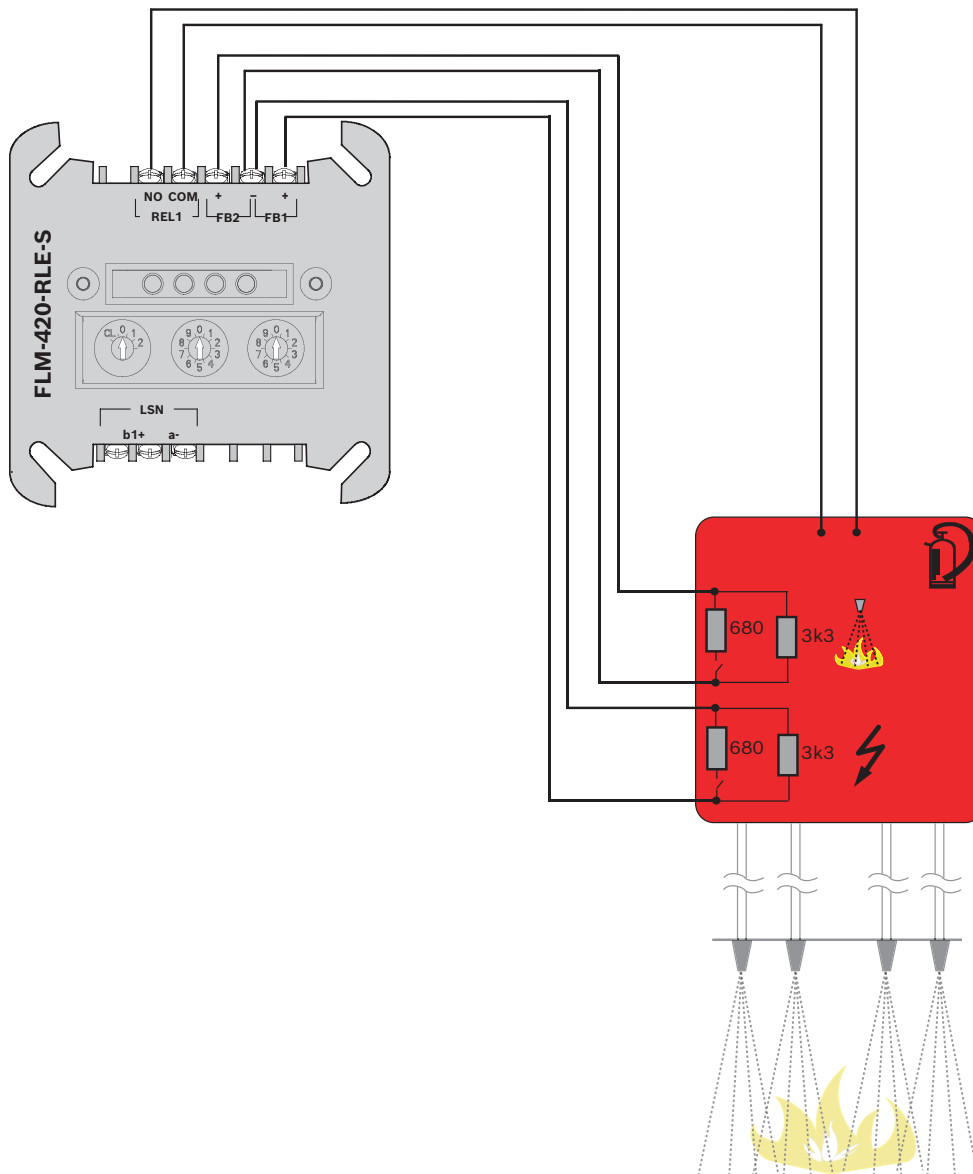


2.5.5

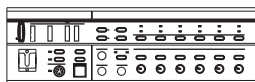
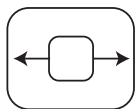
FLM-420-RLE-S



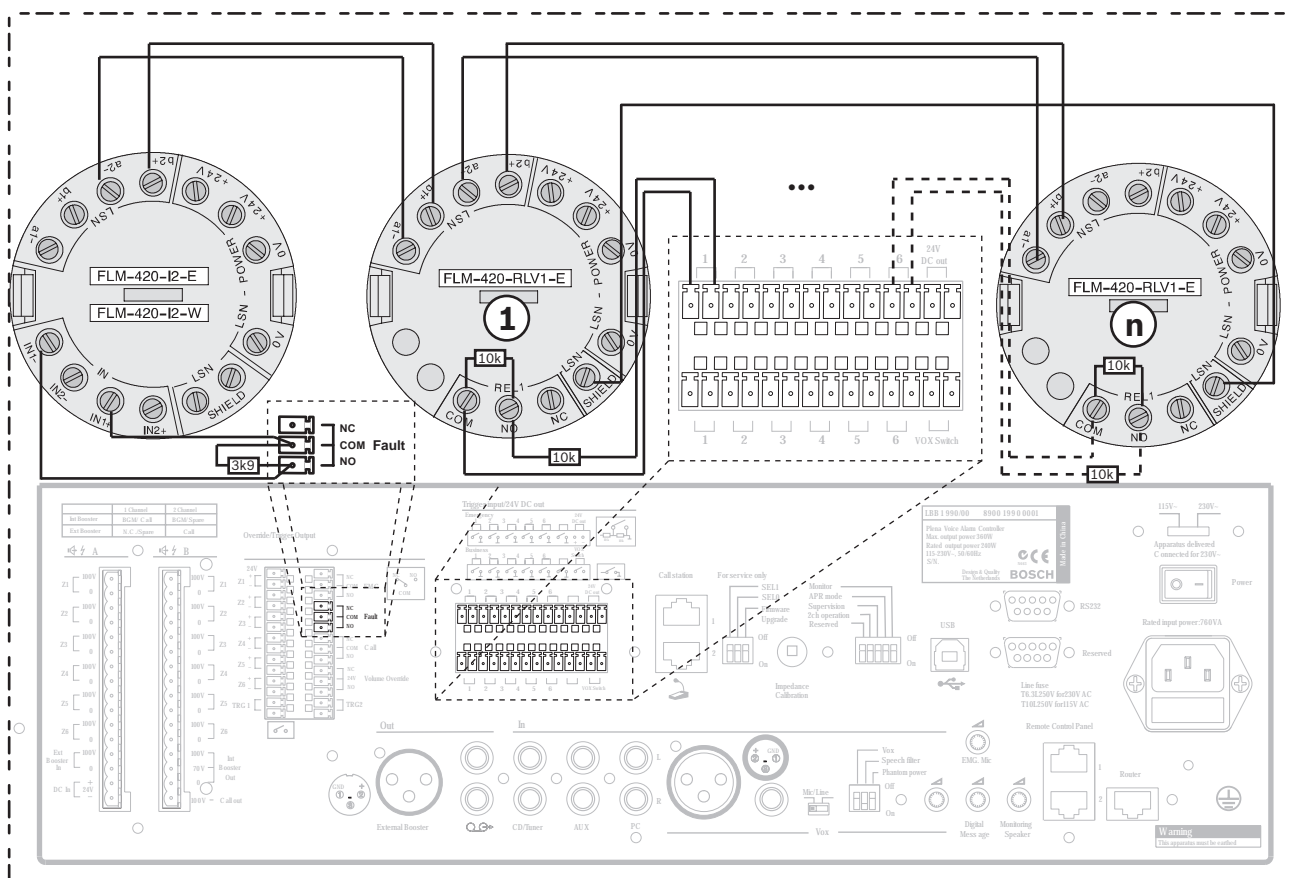
VdS 2496



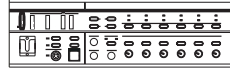
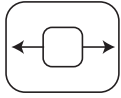
2.5.6 FLM-420-RLV1-E



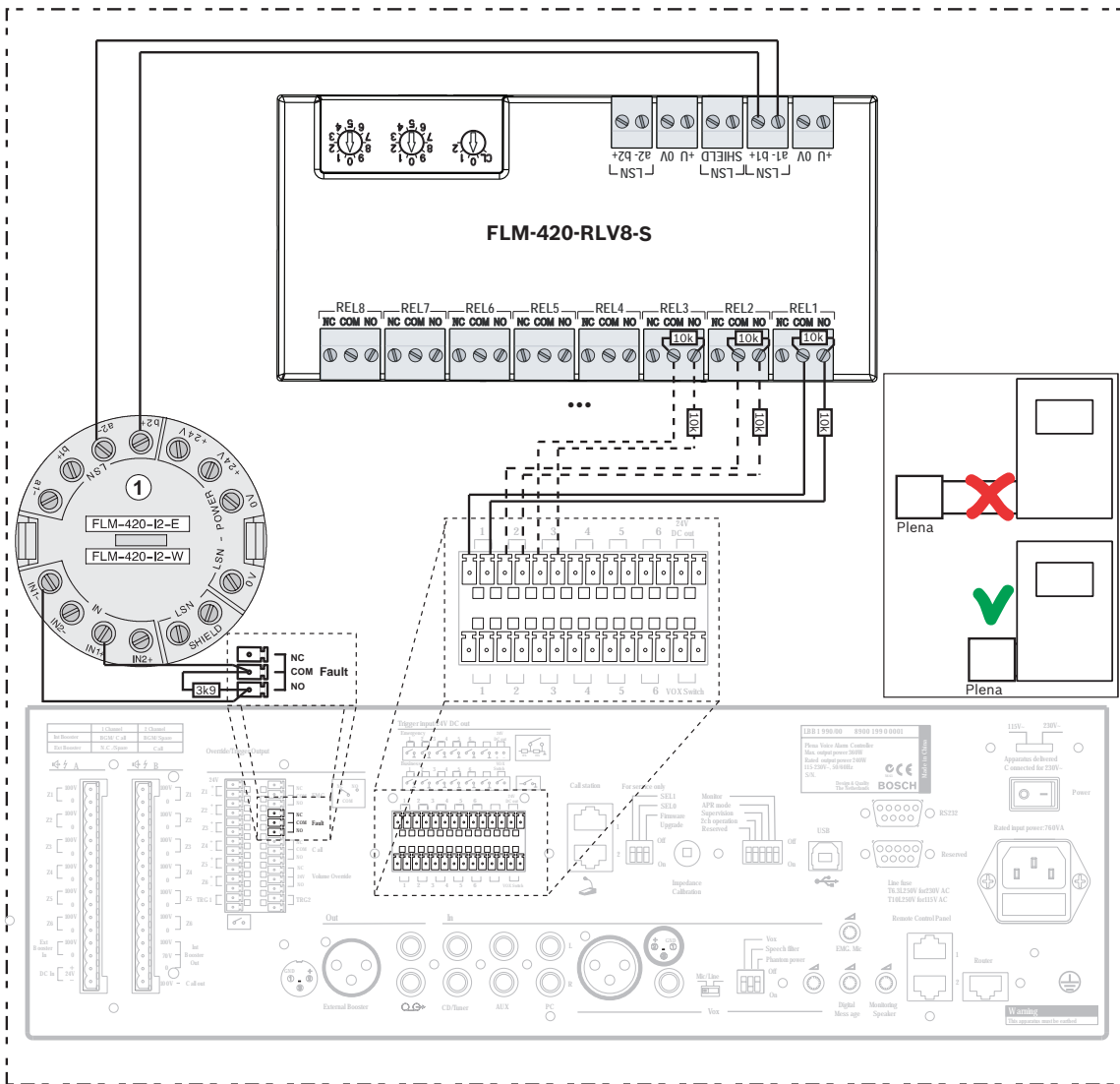
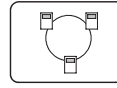
Plena



2.5.7 FLM-420-RLV8-S



Plena

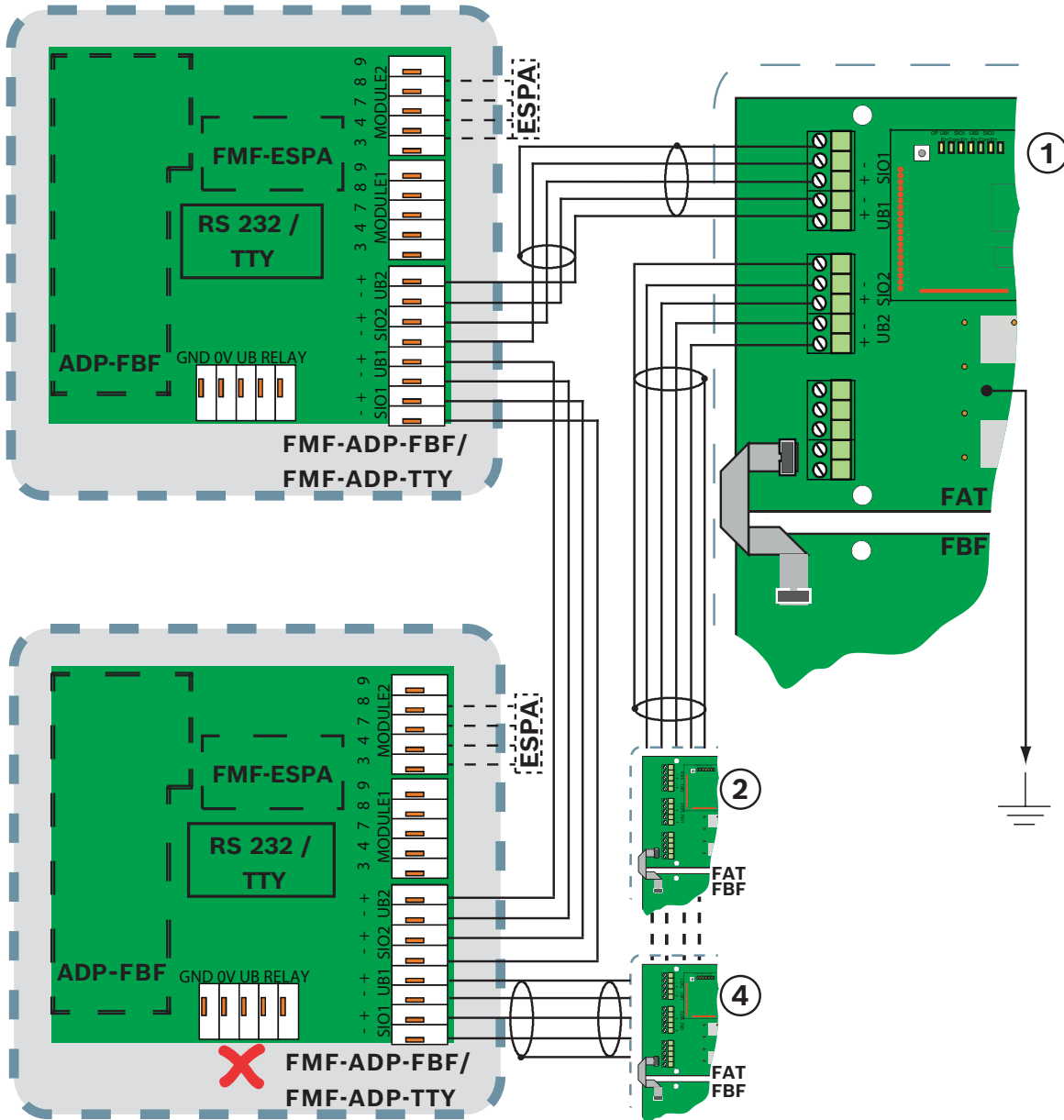


2.5.8 FMF-ADP-FBF/FMF-ADP-TTY



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

ELS



2.6

EOL



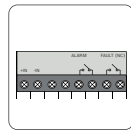
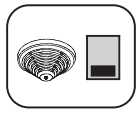
CZM 0004 A, oldal 189

LSN 0300 A, oldal 201

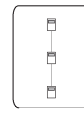
FLM-420/4-CON-S/D, oldal 246

2.6.1

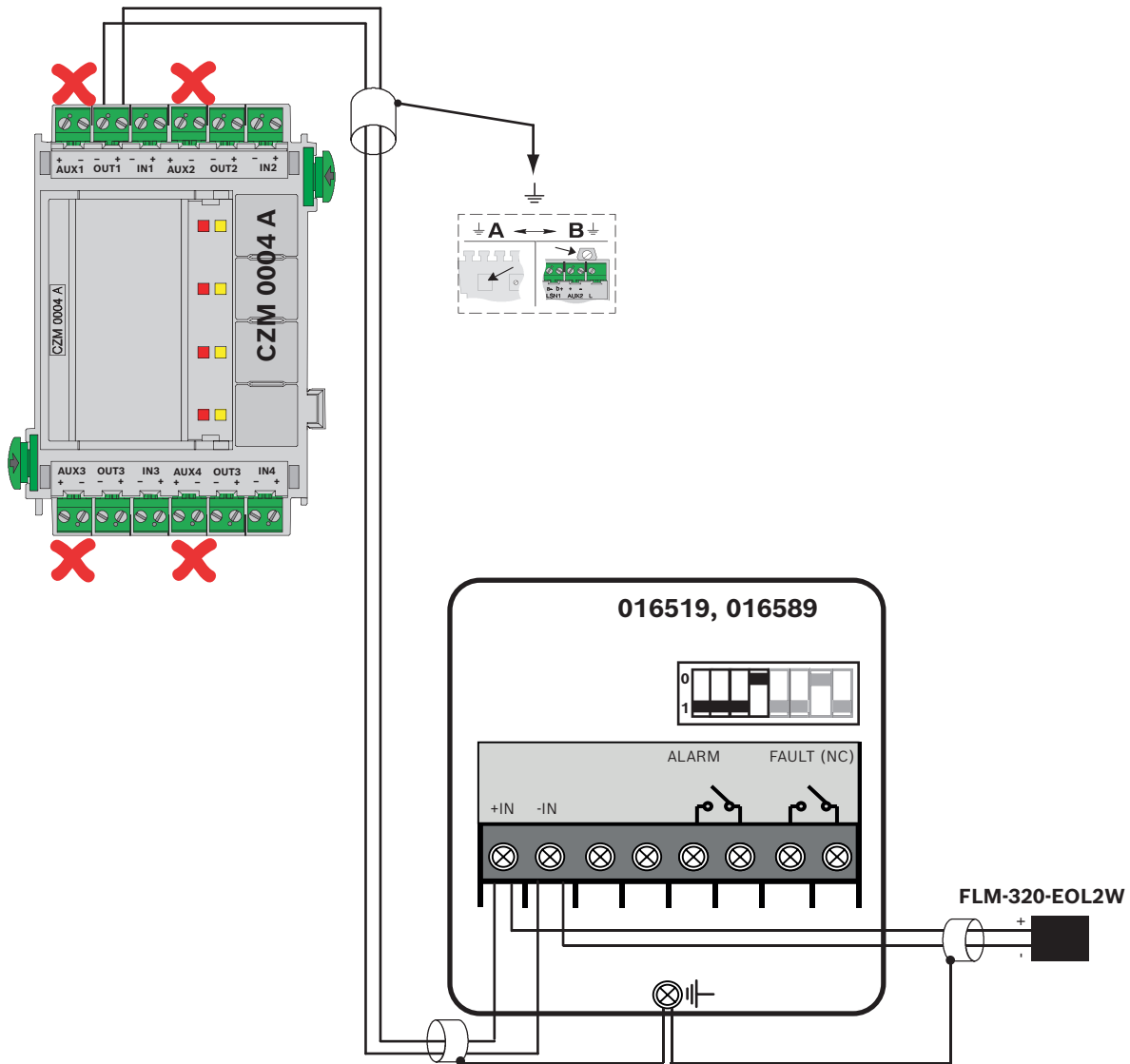
CZM 0004 A

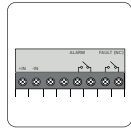


016519, 016589
IR3 Flame Detector

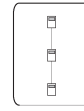


ELS

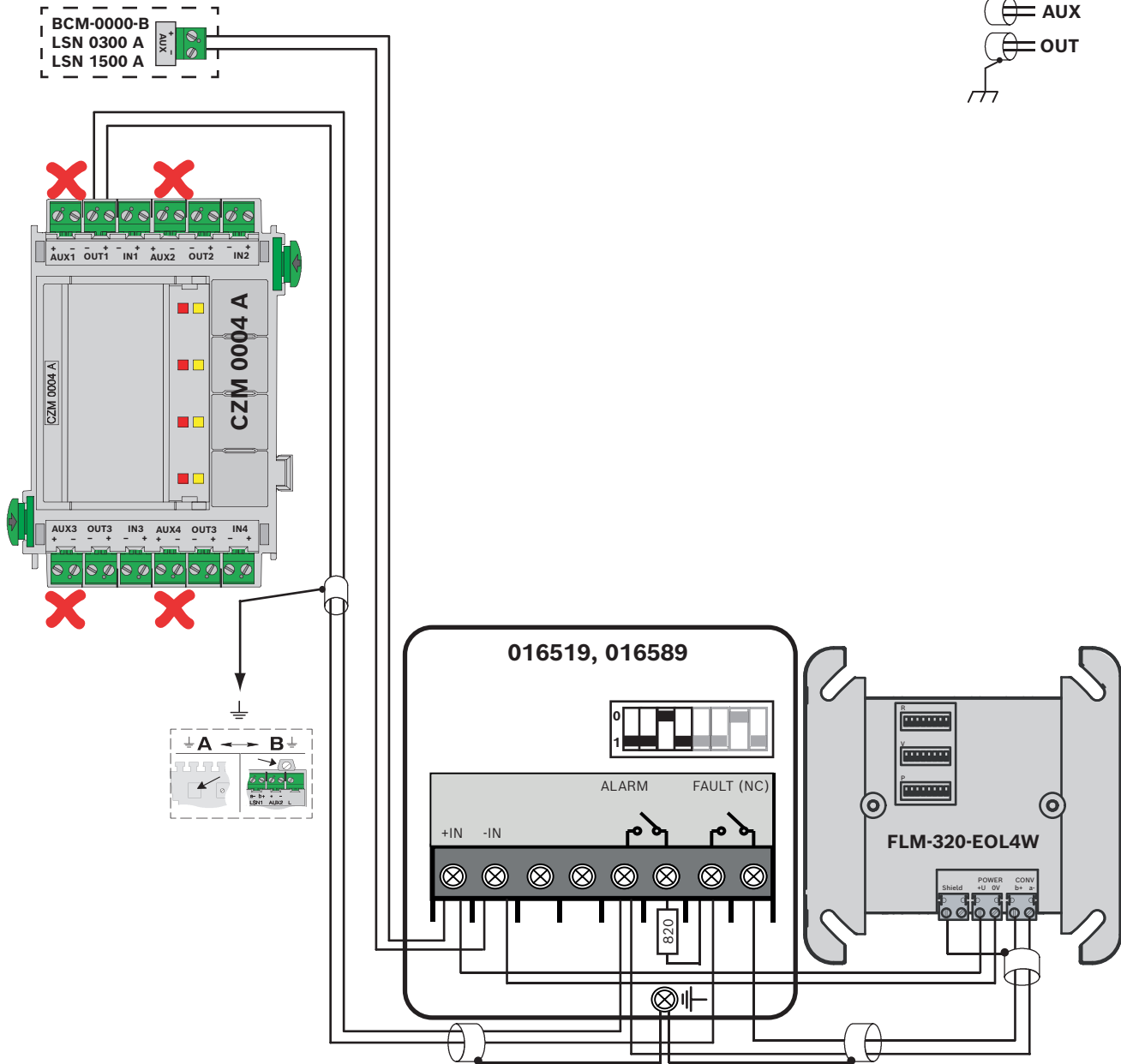




016519, 016589
IR3 Flame Detector



ELS

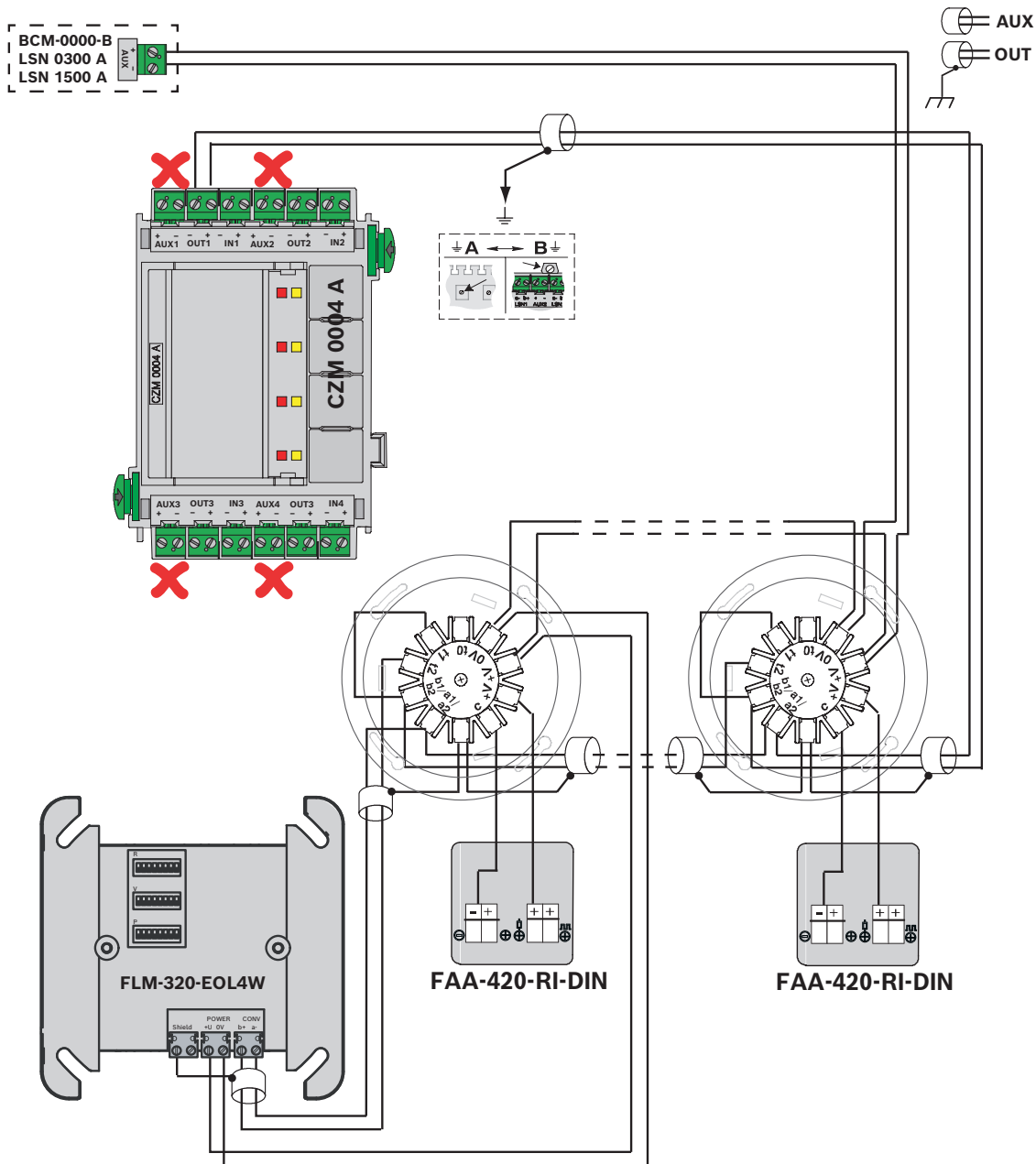


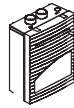


FCA-500-EU
FCP-O 500
FCP-O 500-P
FCP-OC 500
FCP-OC 500-P

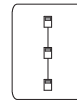


ELS



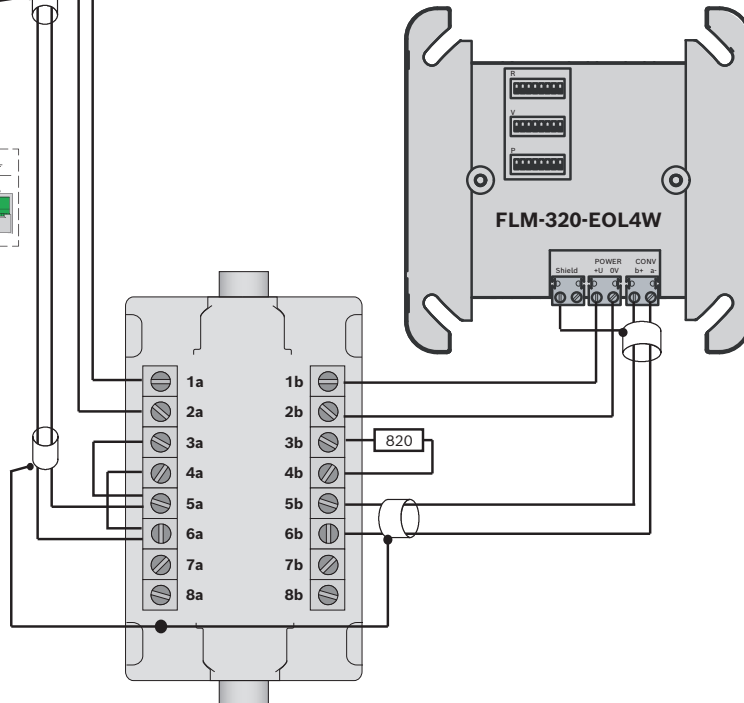
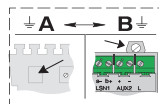
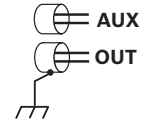
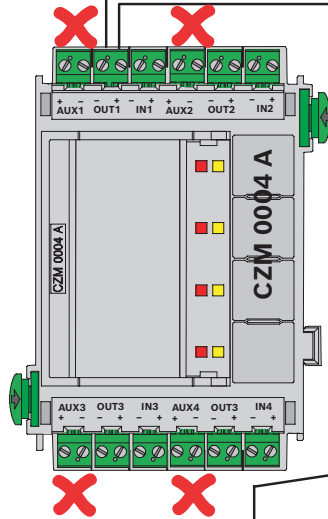


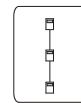
FCS-320-TM Series



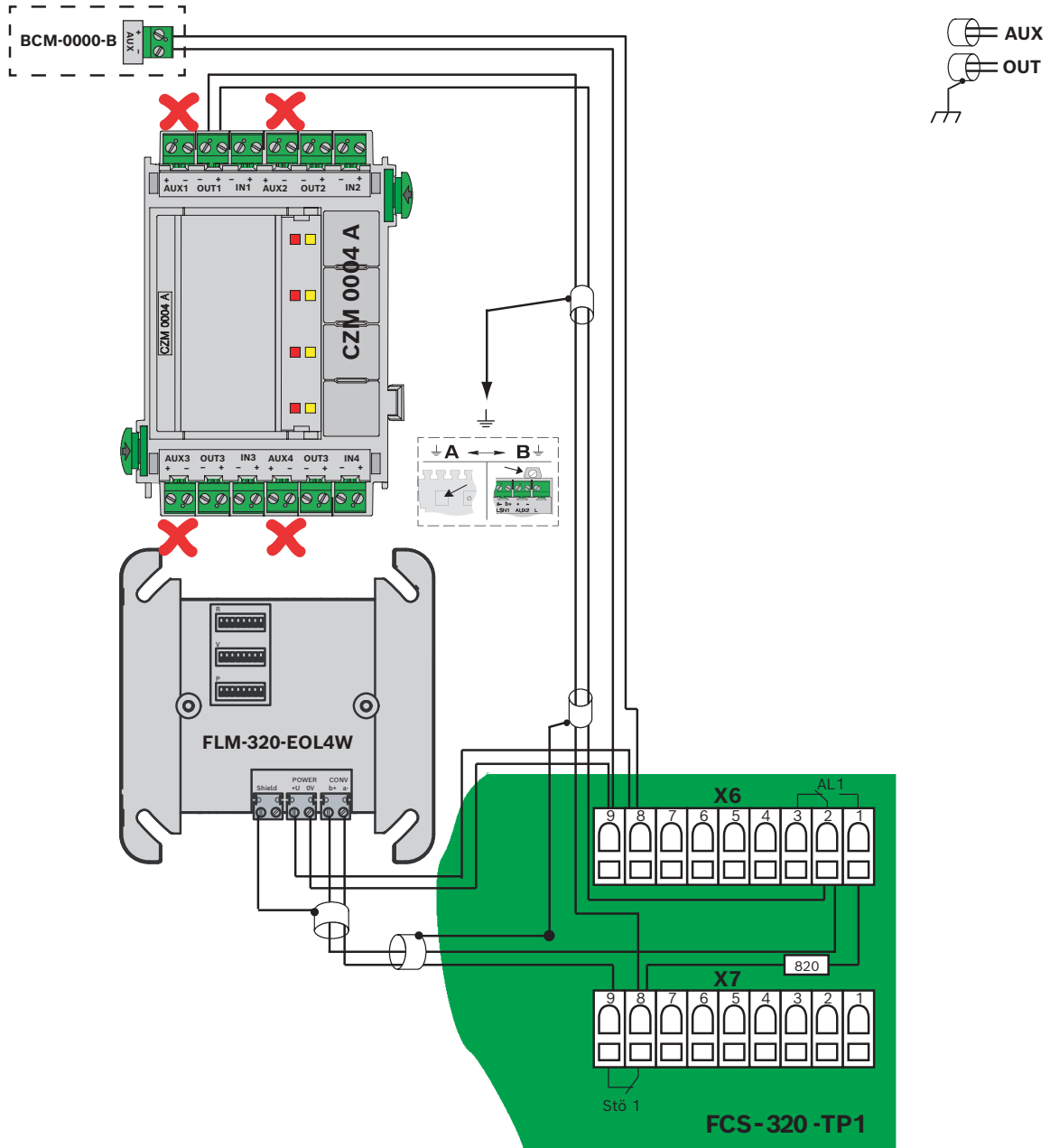
ELS

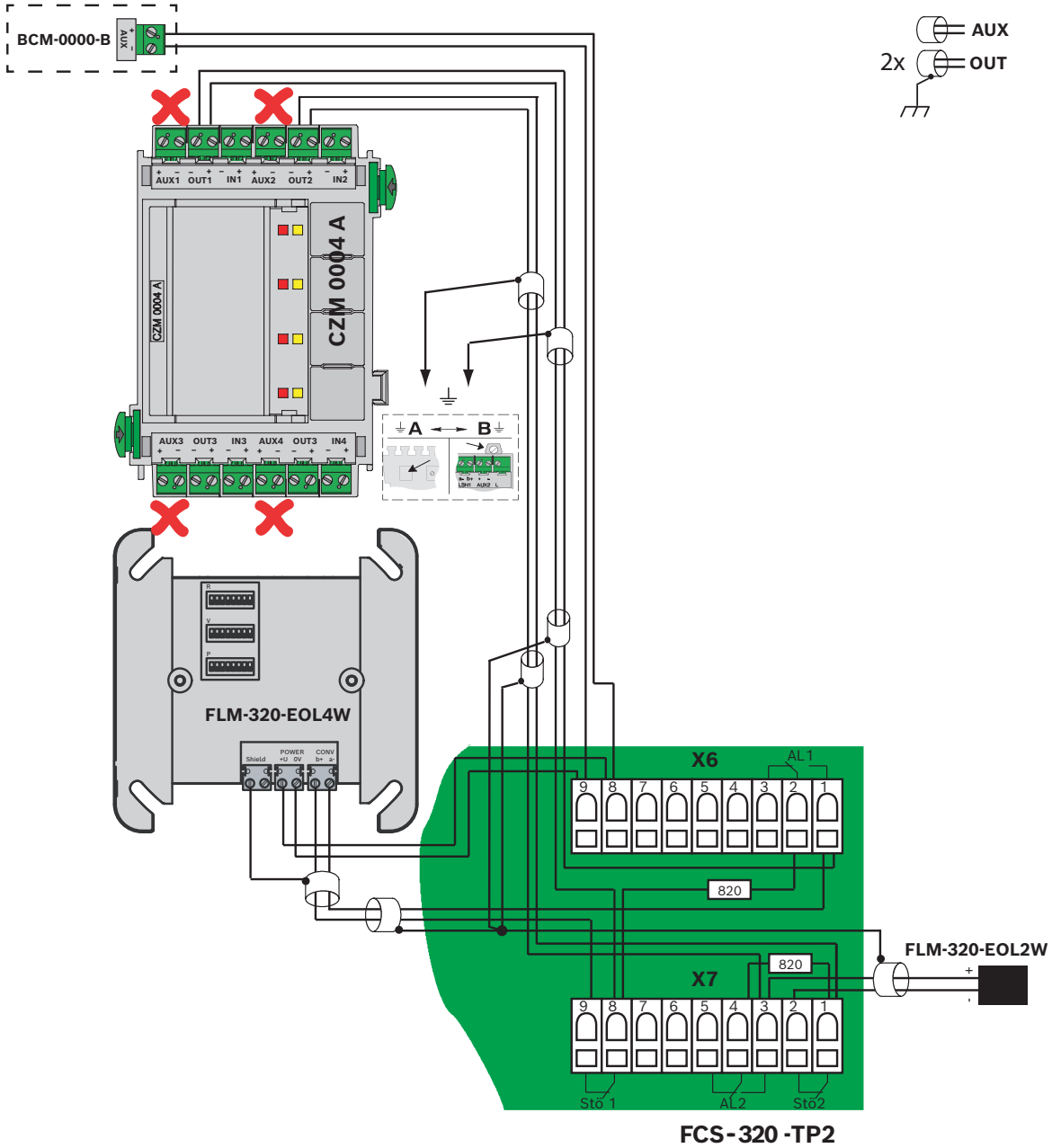
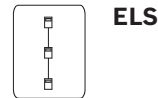
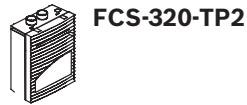
BCM-0000-B
LSN 0300 A
LSN 1500 A

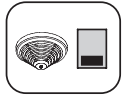




ELS







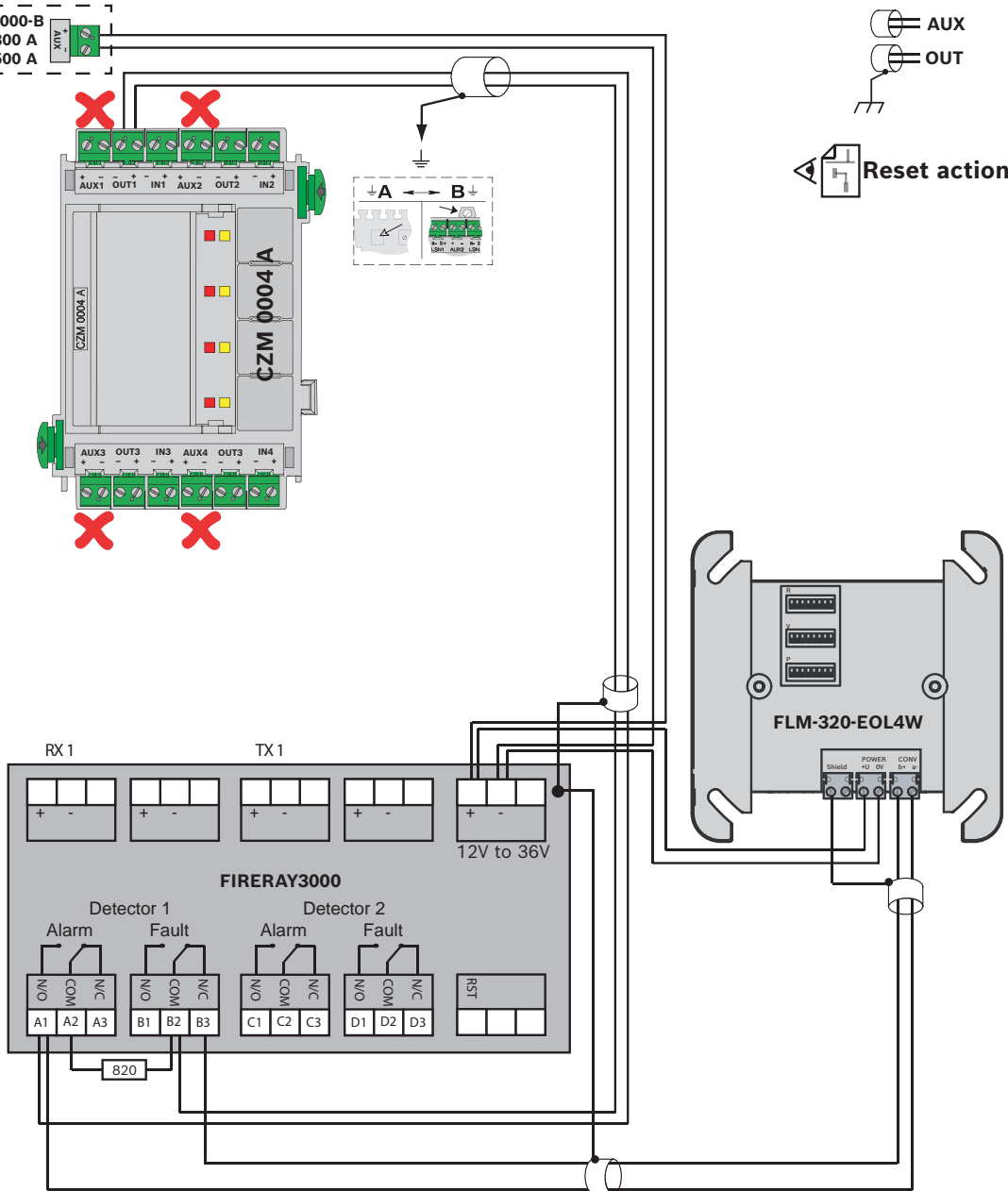
FIRERAY3000

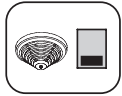
1 x



ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A

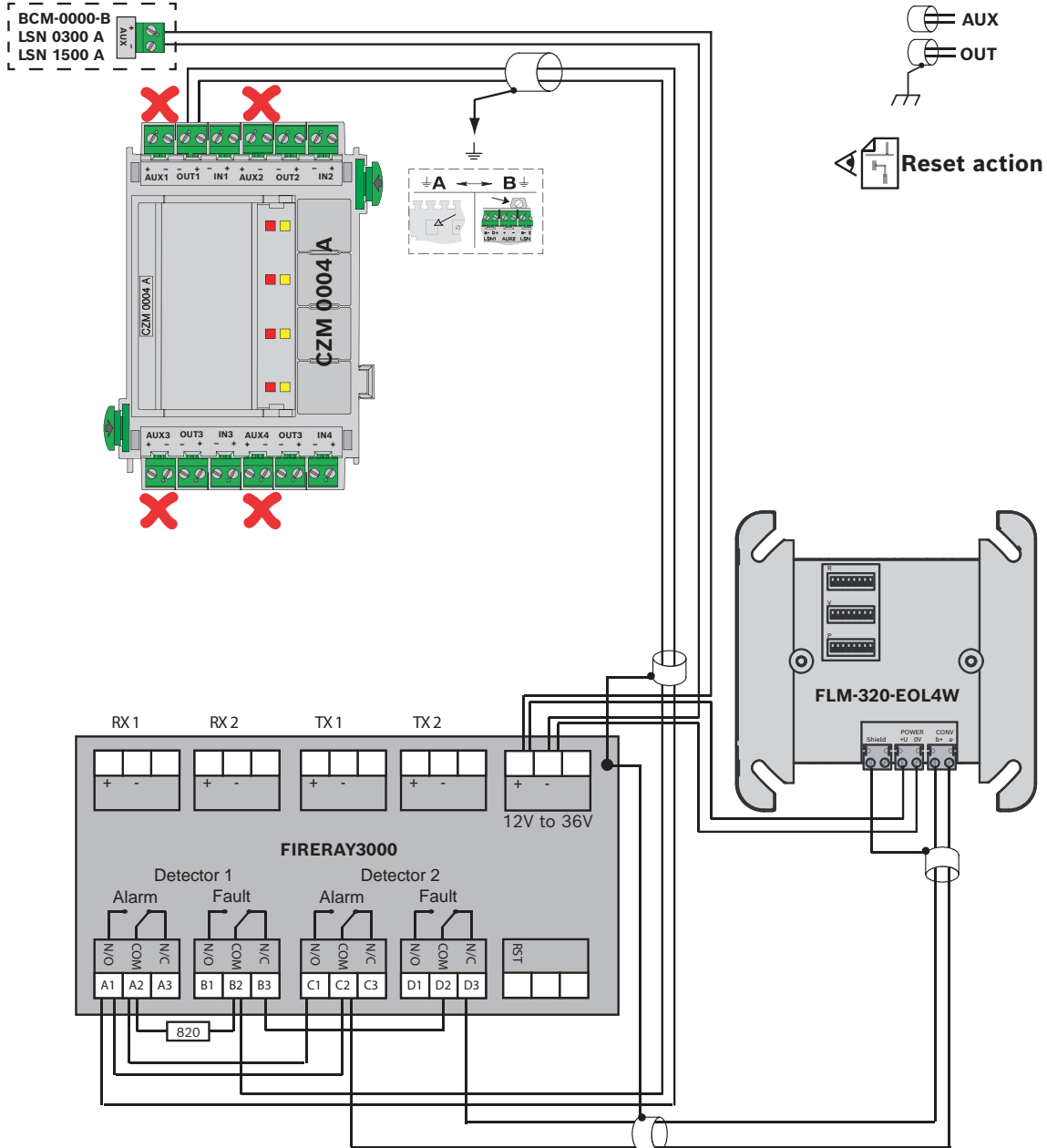




FIRERAY3000
2 x  **OUT1**



ELS



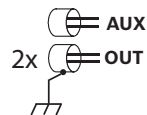
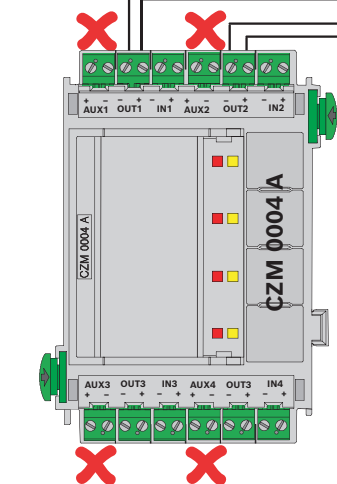


FIRERAY3000
2 x **OUT1+2**

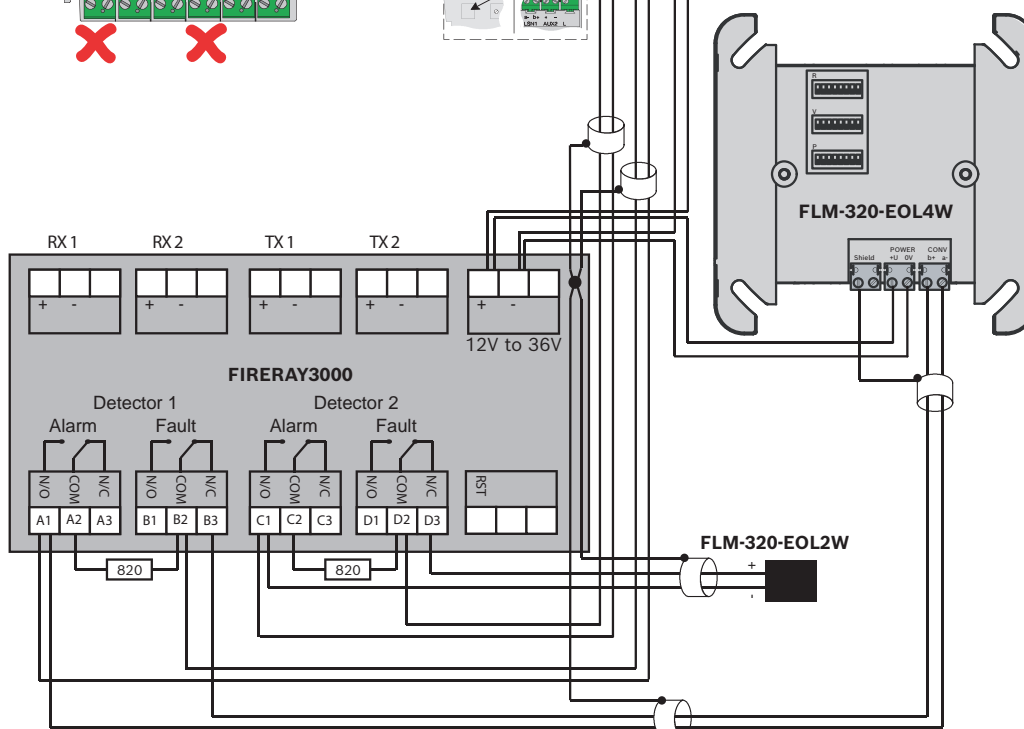


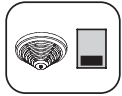
ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A



Reset action



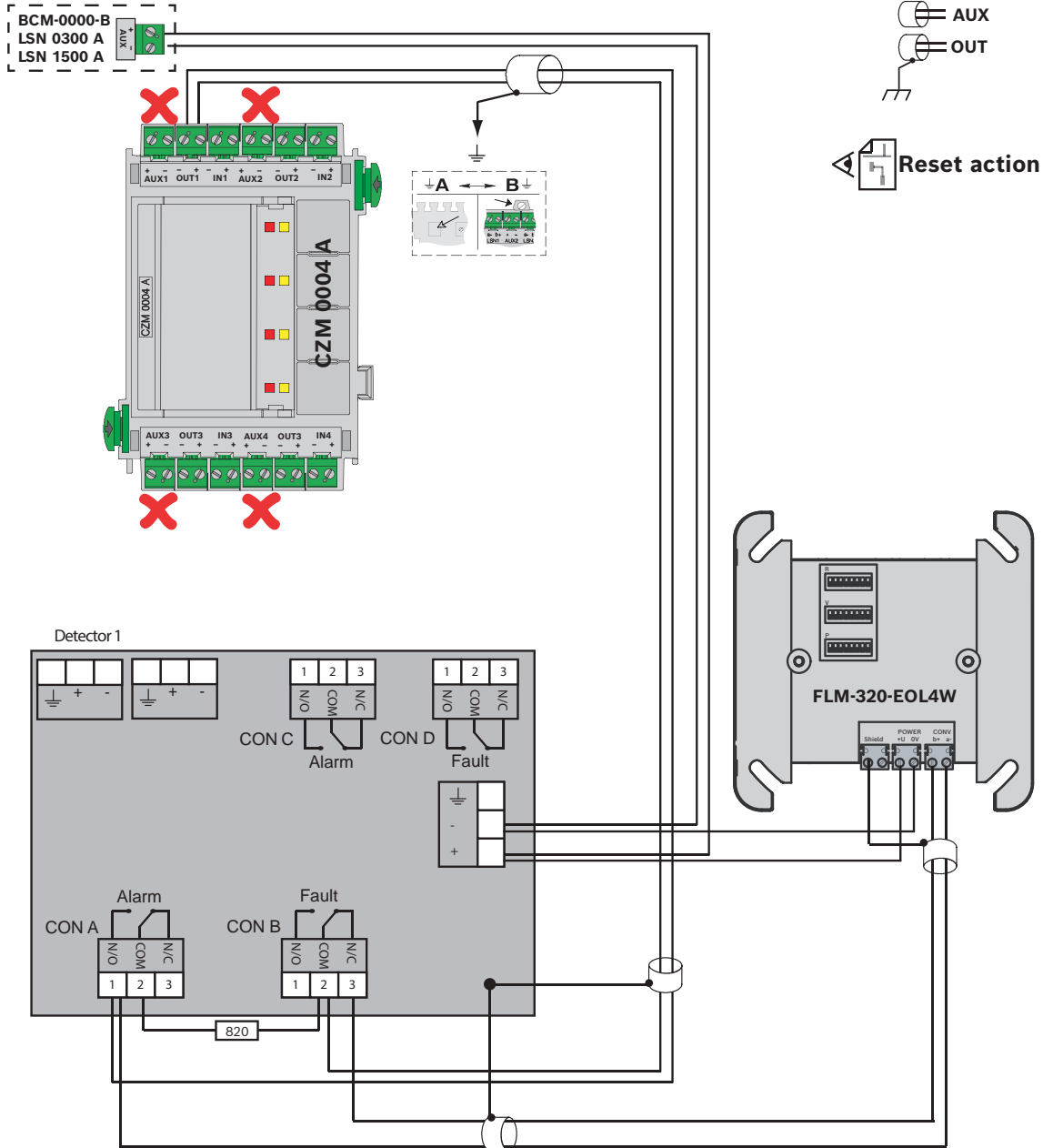


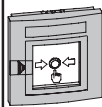
FIRERAY5000

1 x

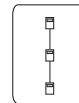


ELS

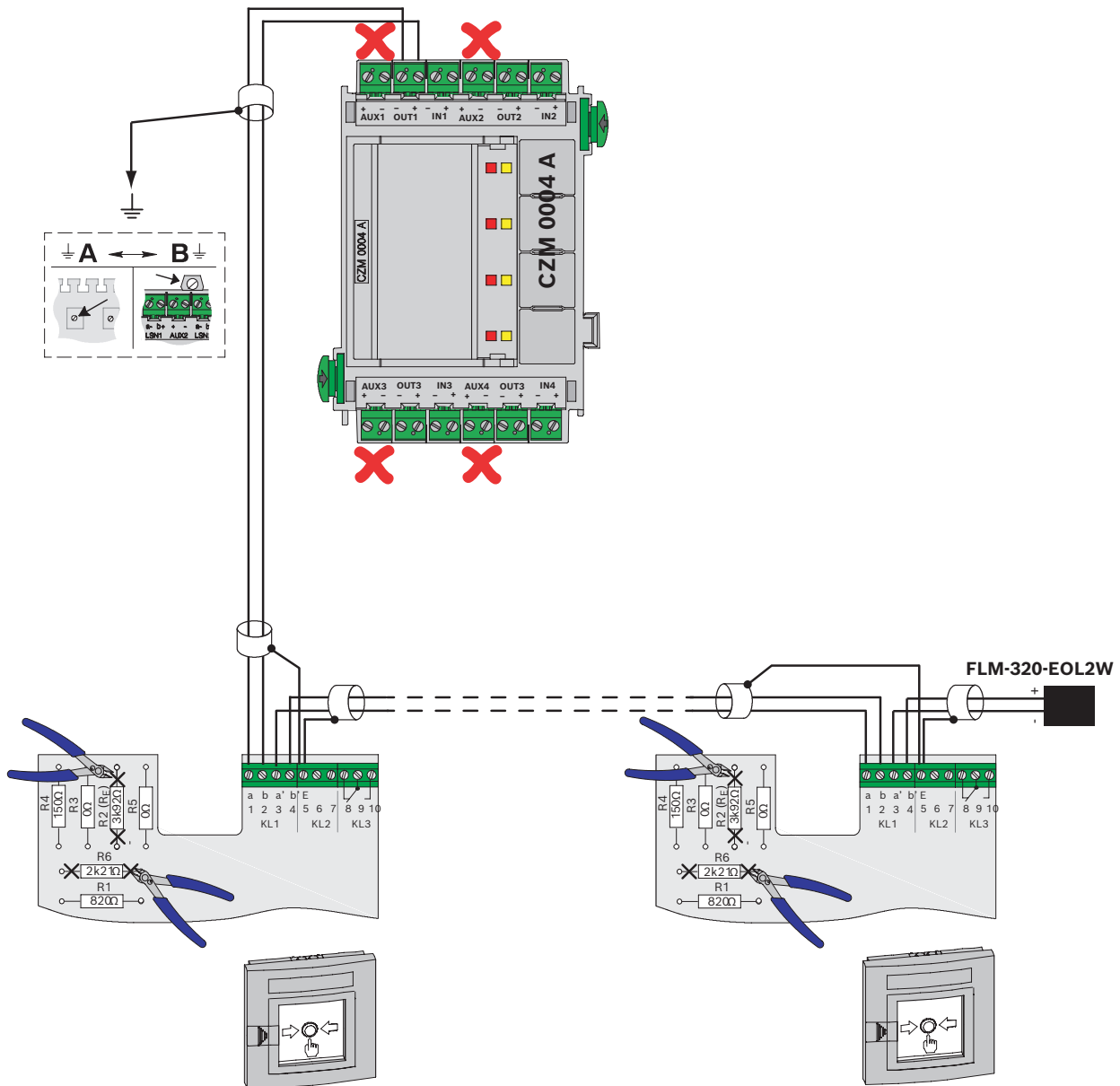


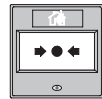
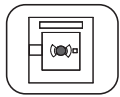


FMC-120-DKM-G-R
 FMC-120-DKM-H-R
 FMC-120-DKM-G-B
 FMC-120-DKM-H-B
 FMC-120-DKM-G-Y



ELS

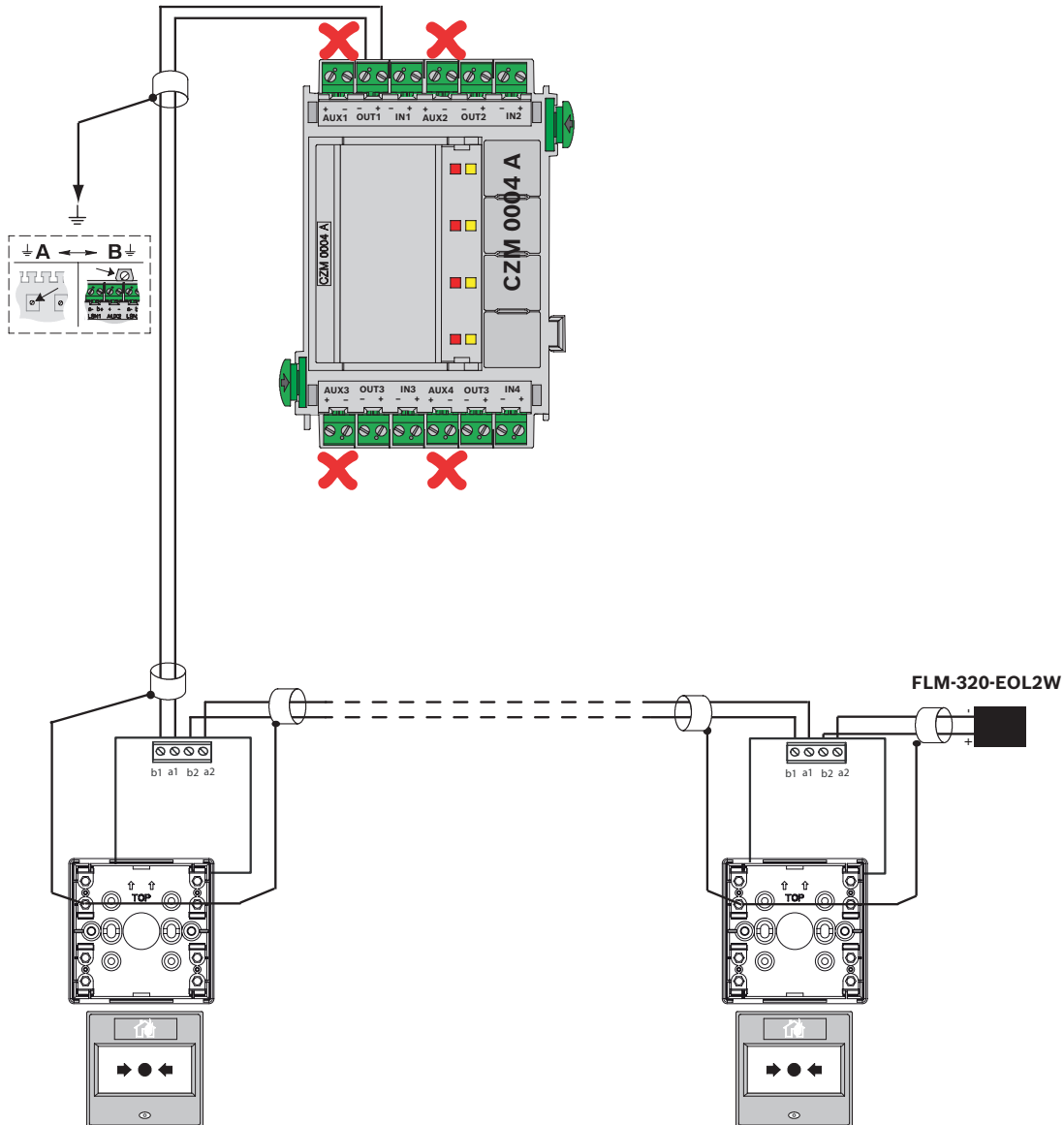




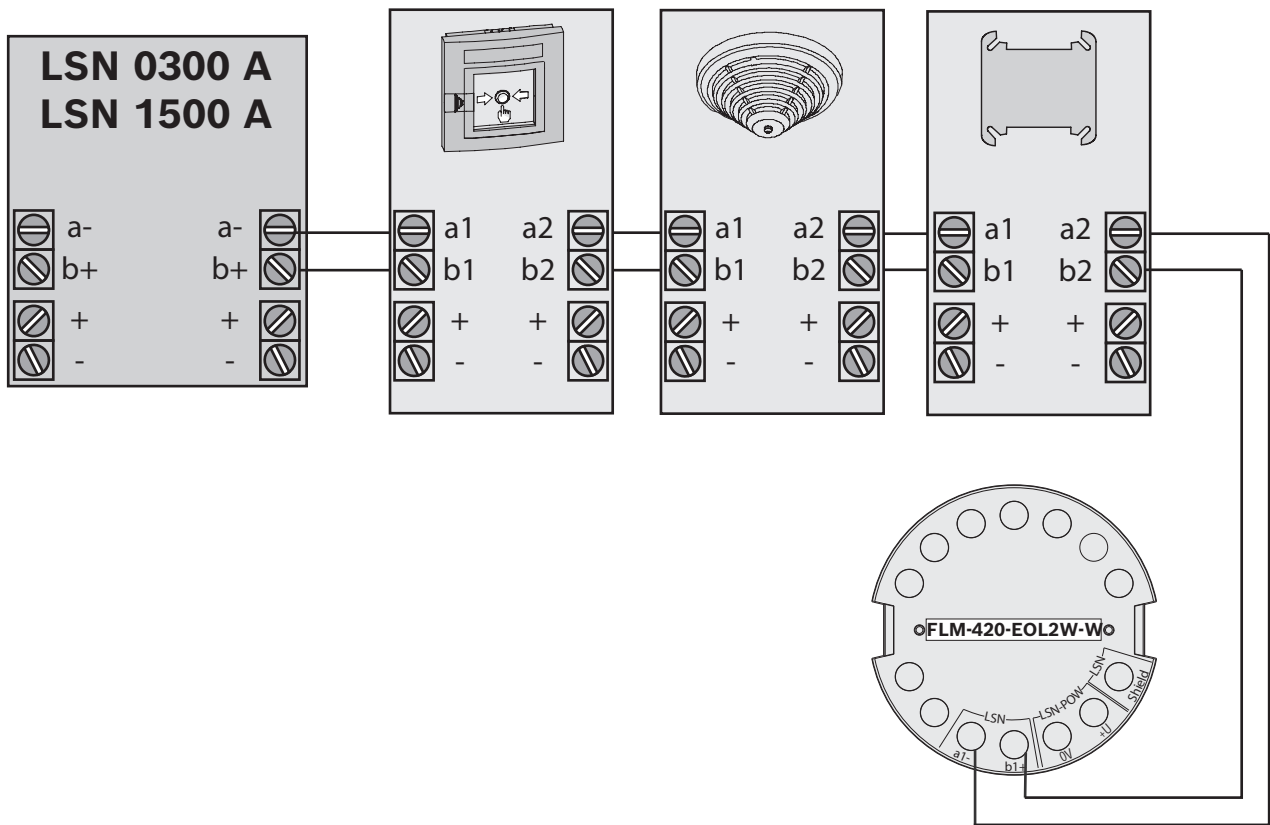
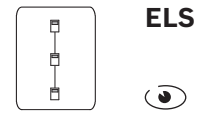
FMC-300RW-GSGBU
 FMC-300RW-GSRBU
 FMC-300RW-GSGRD
 FMC-300RW-GSRRD
 FMC-300RW-GSGYE
 FMC-300RW-GSRYE

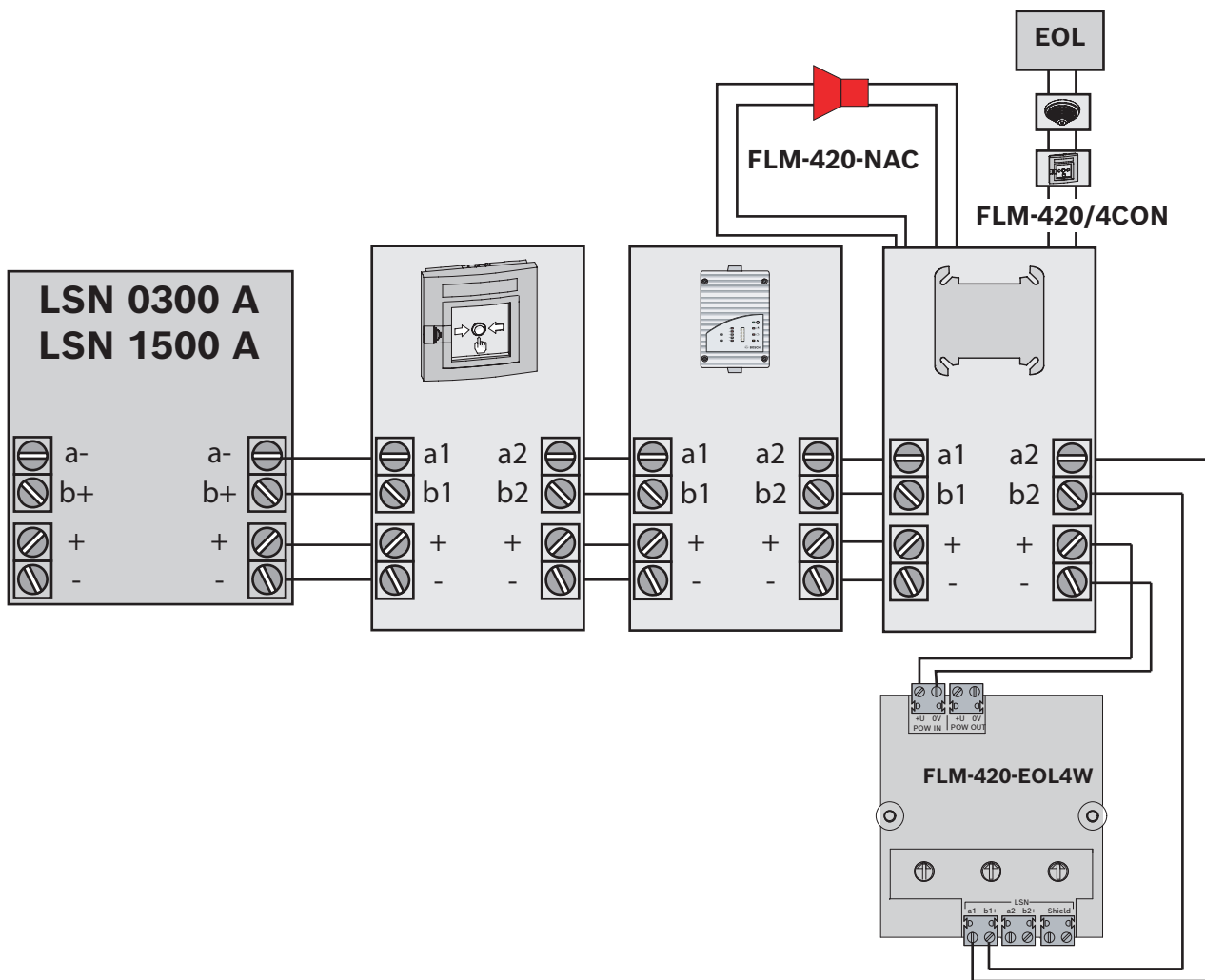
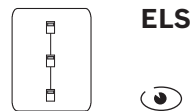


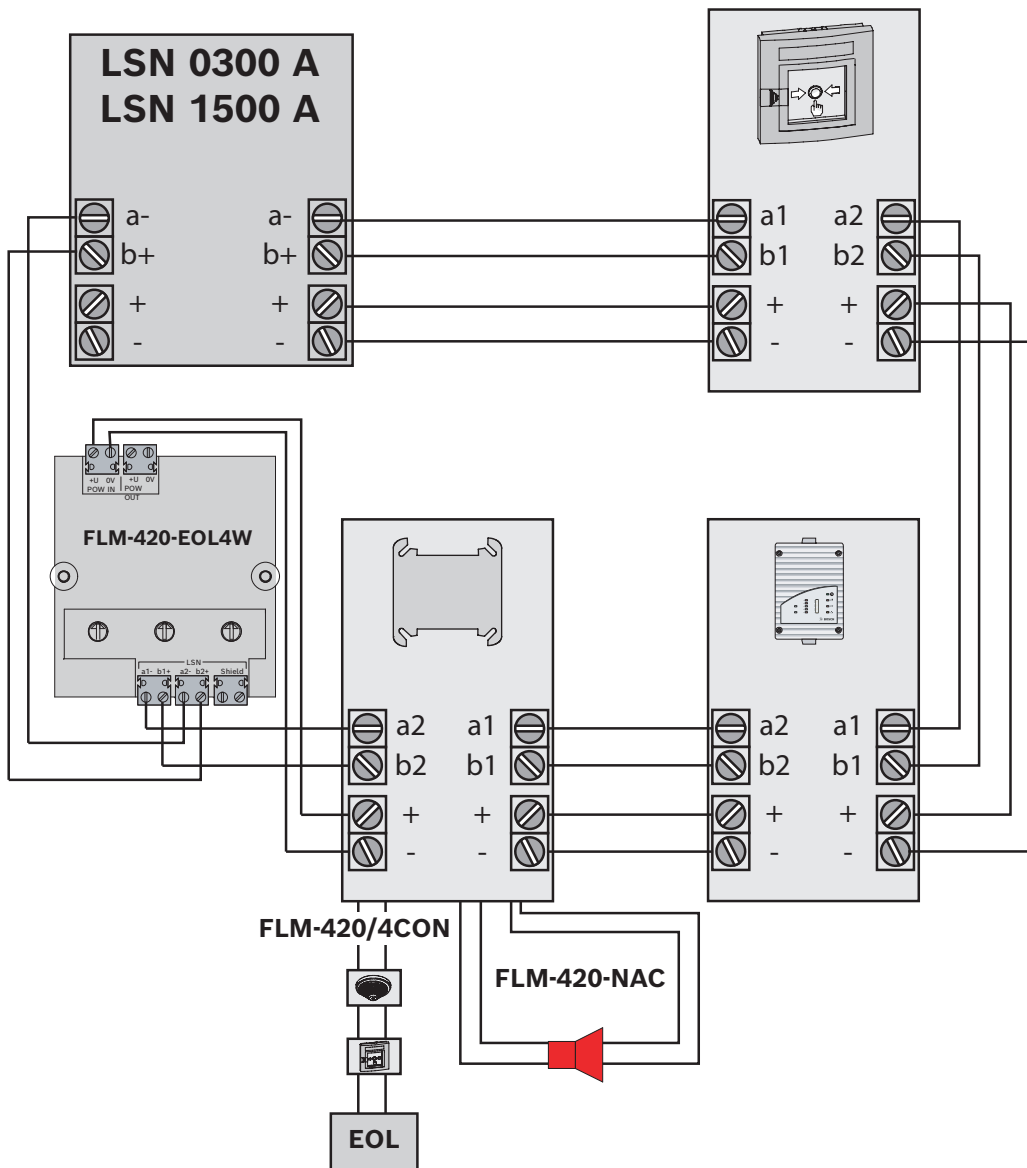
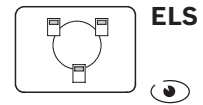
ELS



2.6.2 LSN 0300 A

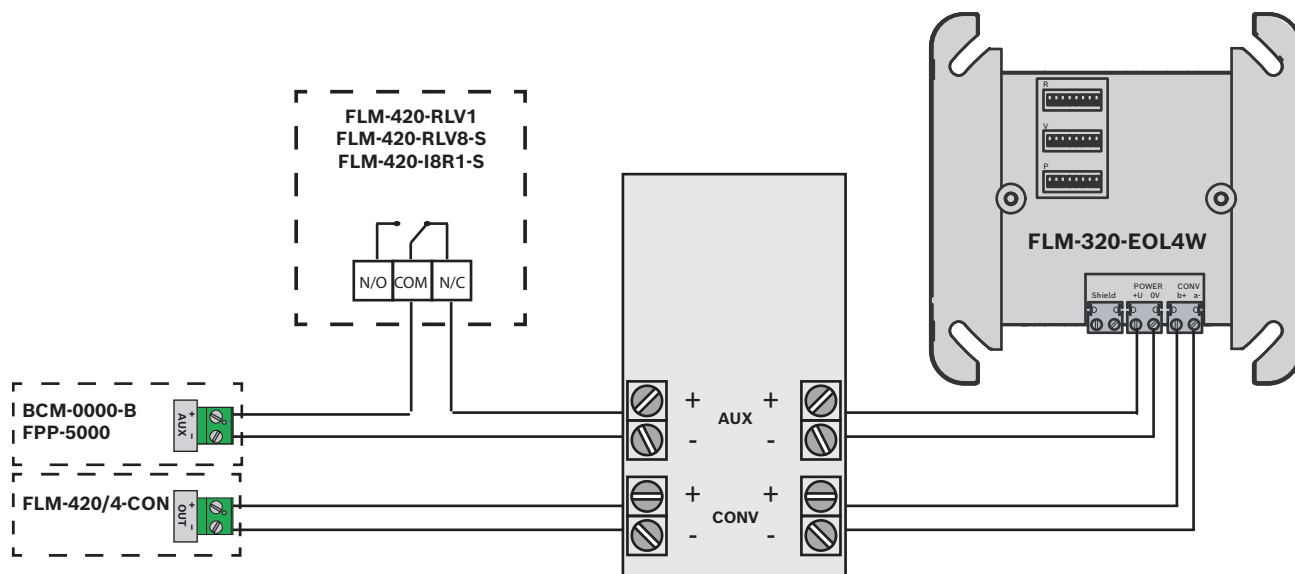


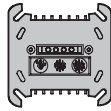
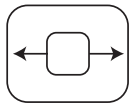




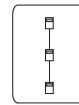
Reset action

ELS

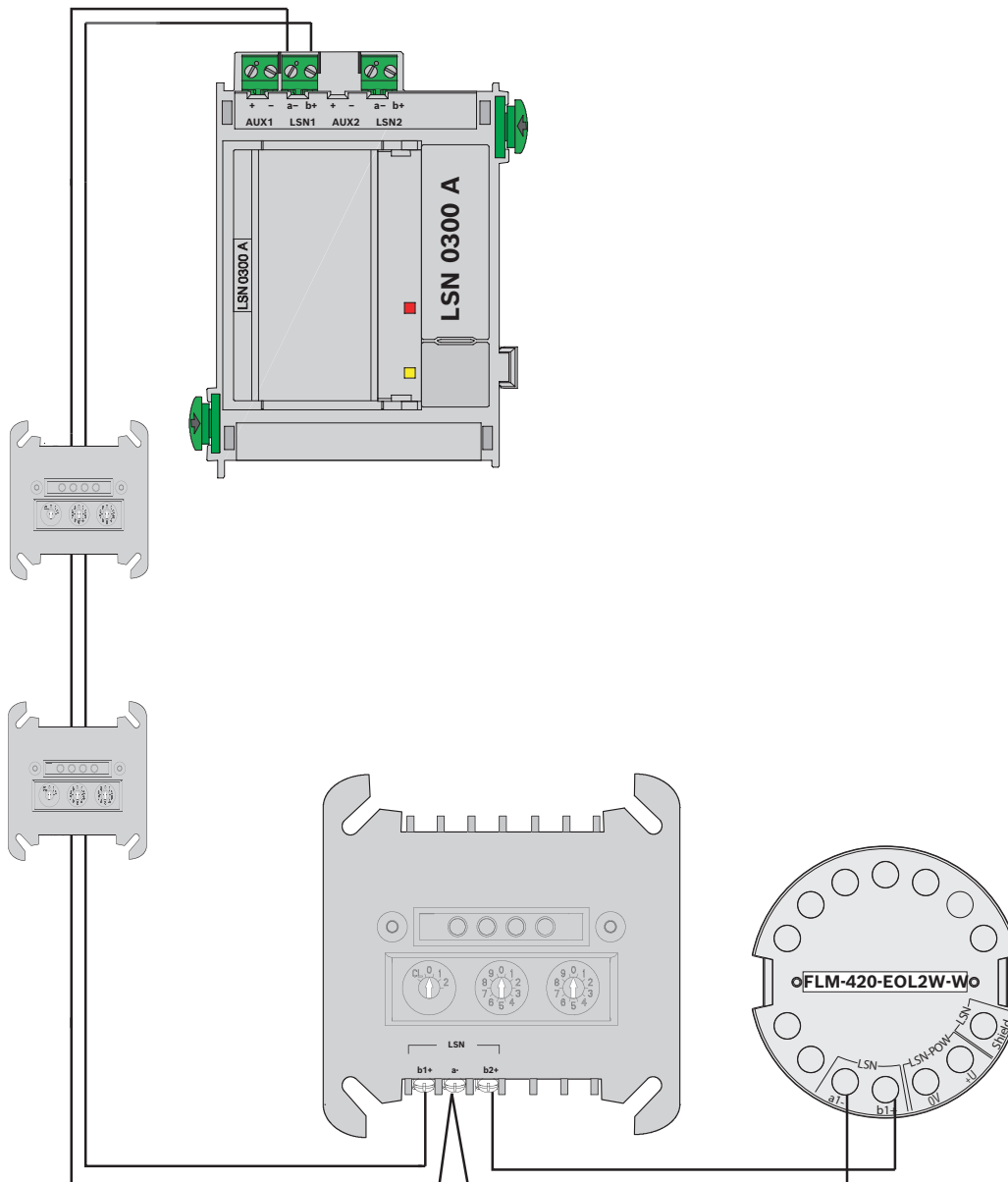


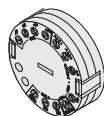
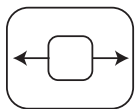


FLM-420-I2-D
 FLM-420-O111-D
 FLM-420-RHV-D/S
 FLM-420-RLV1-D

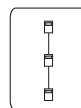


ELS

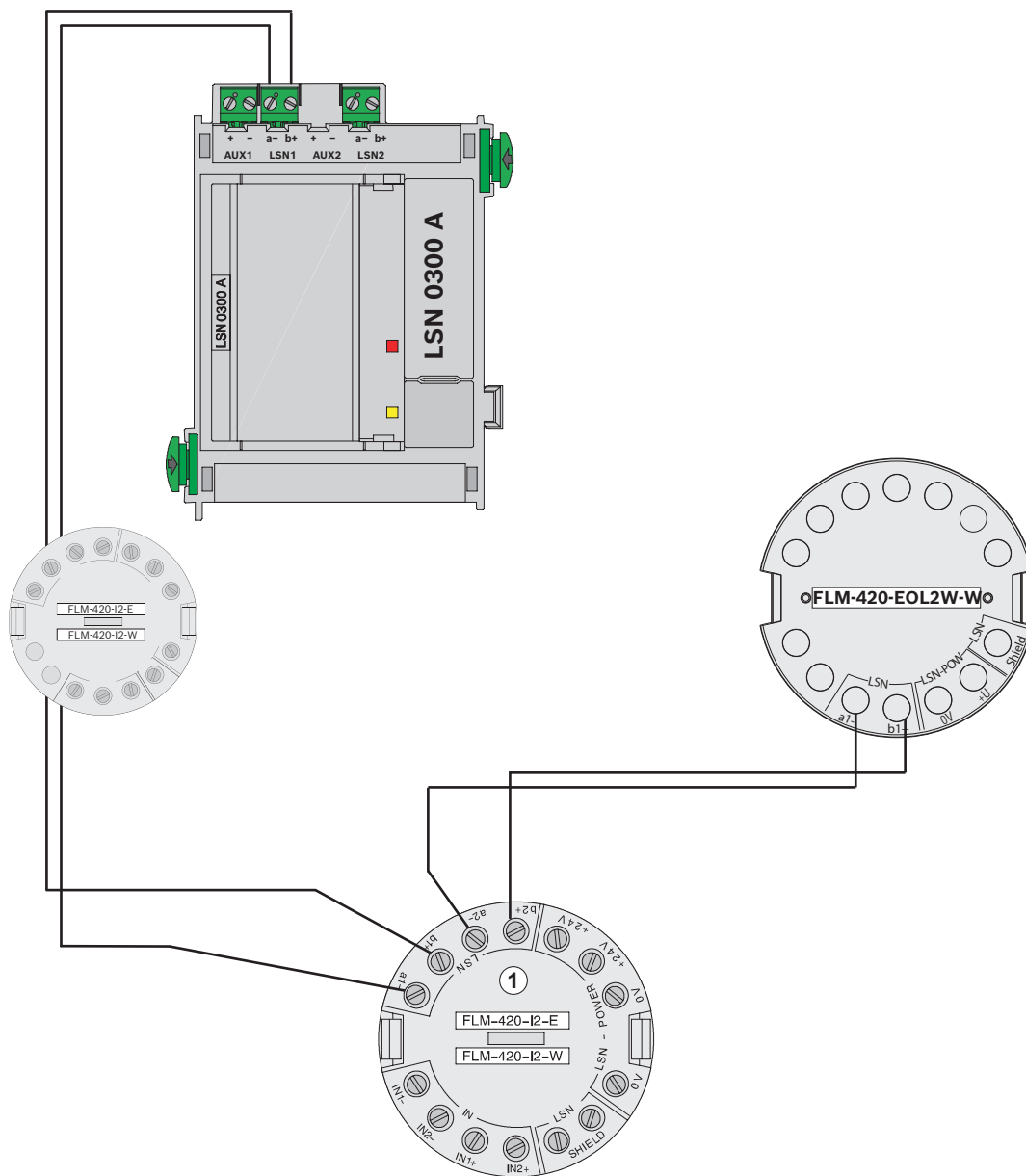


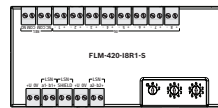
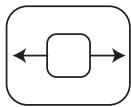


FLM-420-12-E/W

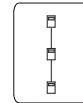


ELS

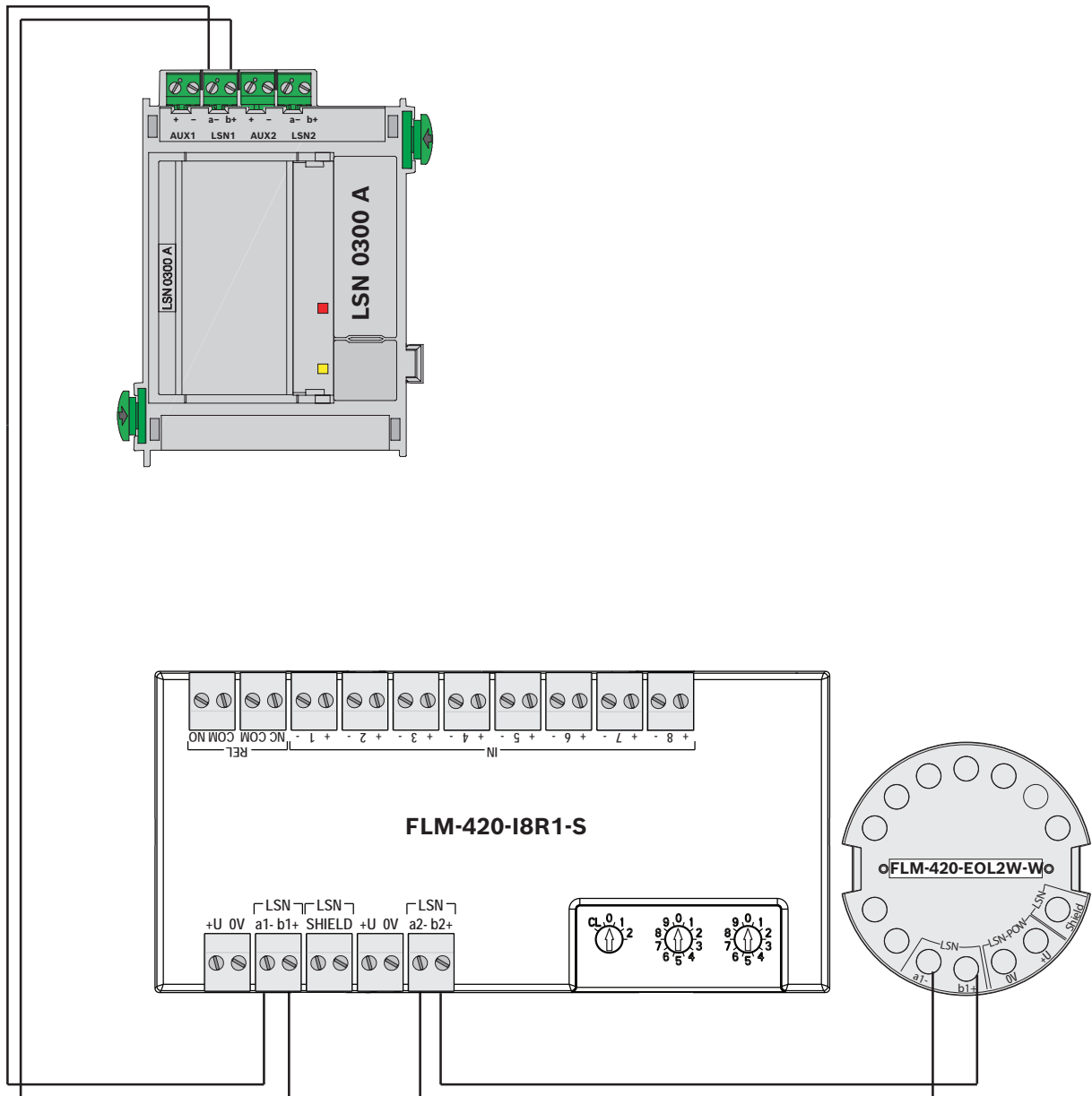


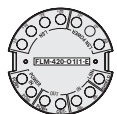
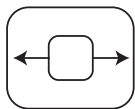


FLM-420-18R1-S

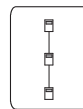


EL5

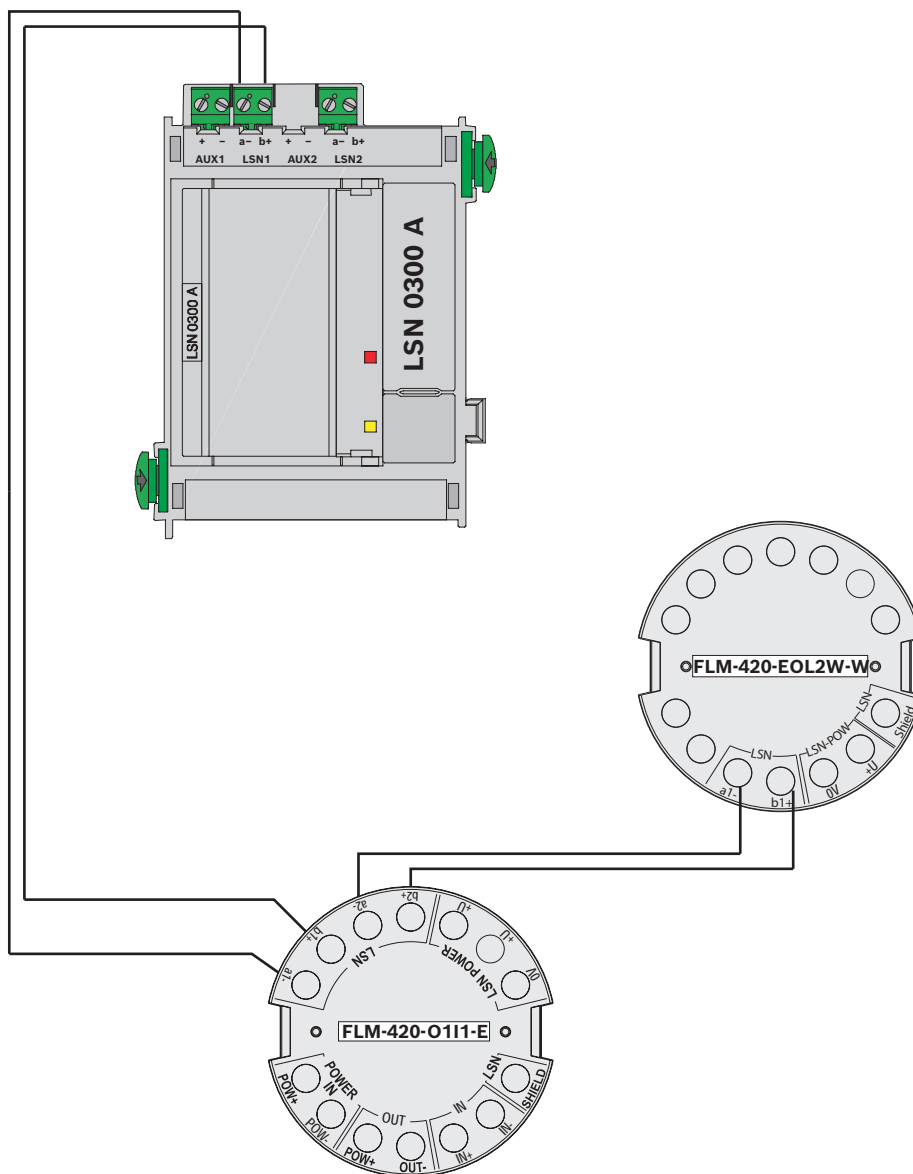


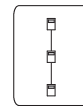
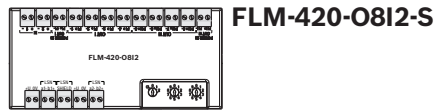
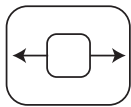


FLM-420-O111-E

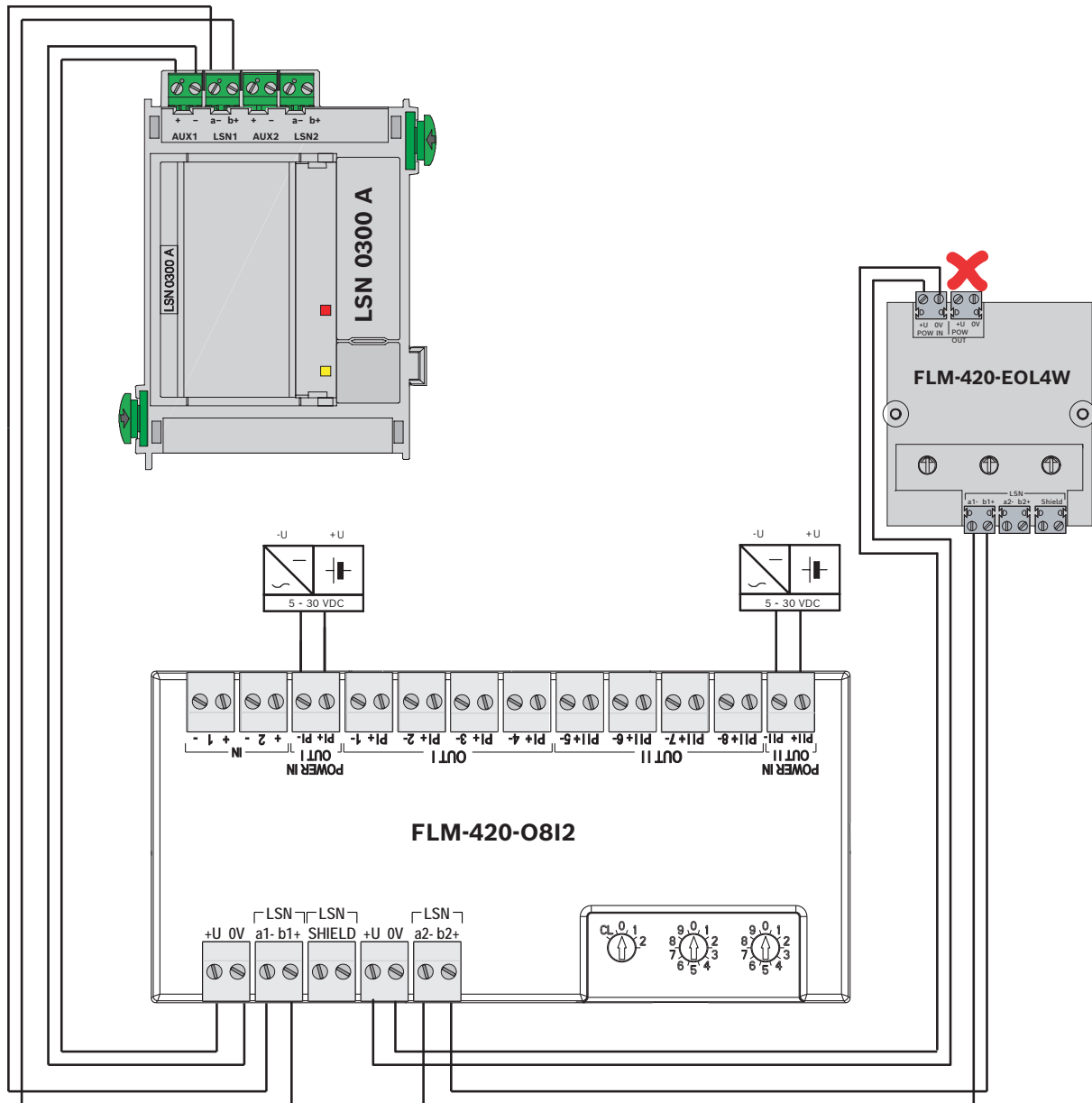


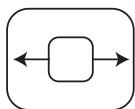
ELS



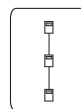


ELS

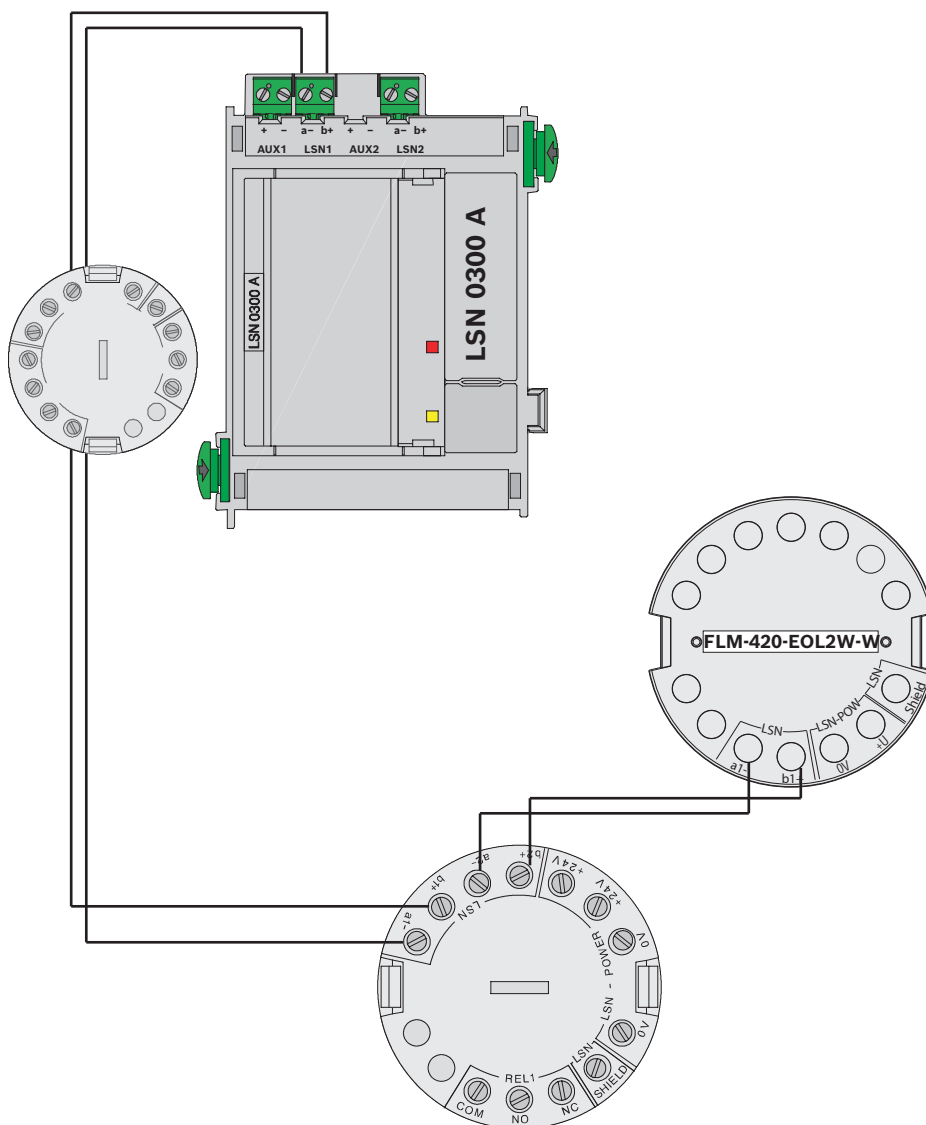


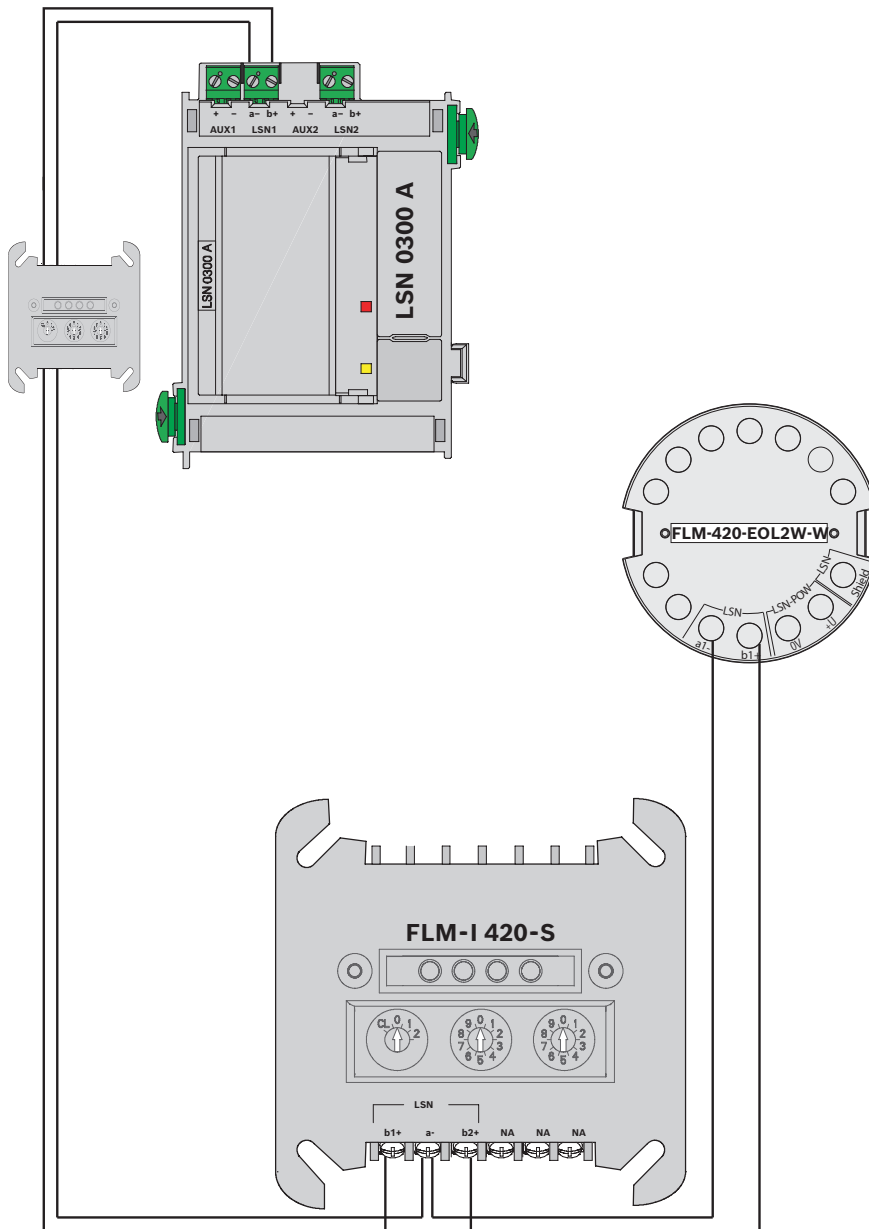
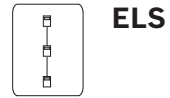
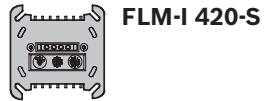
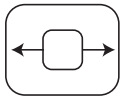


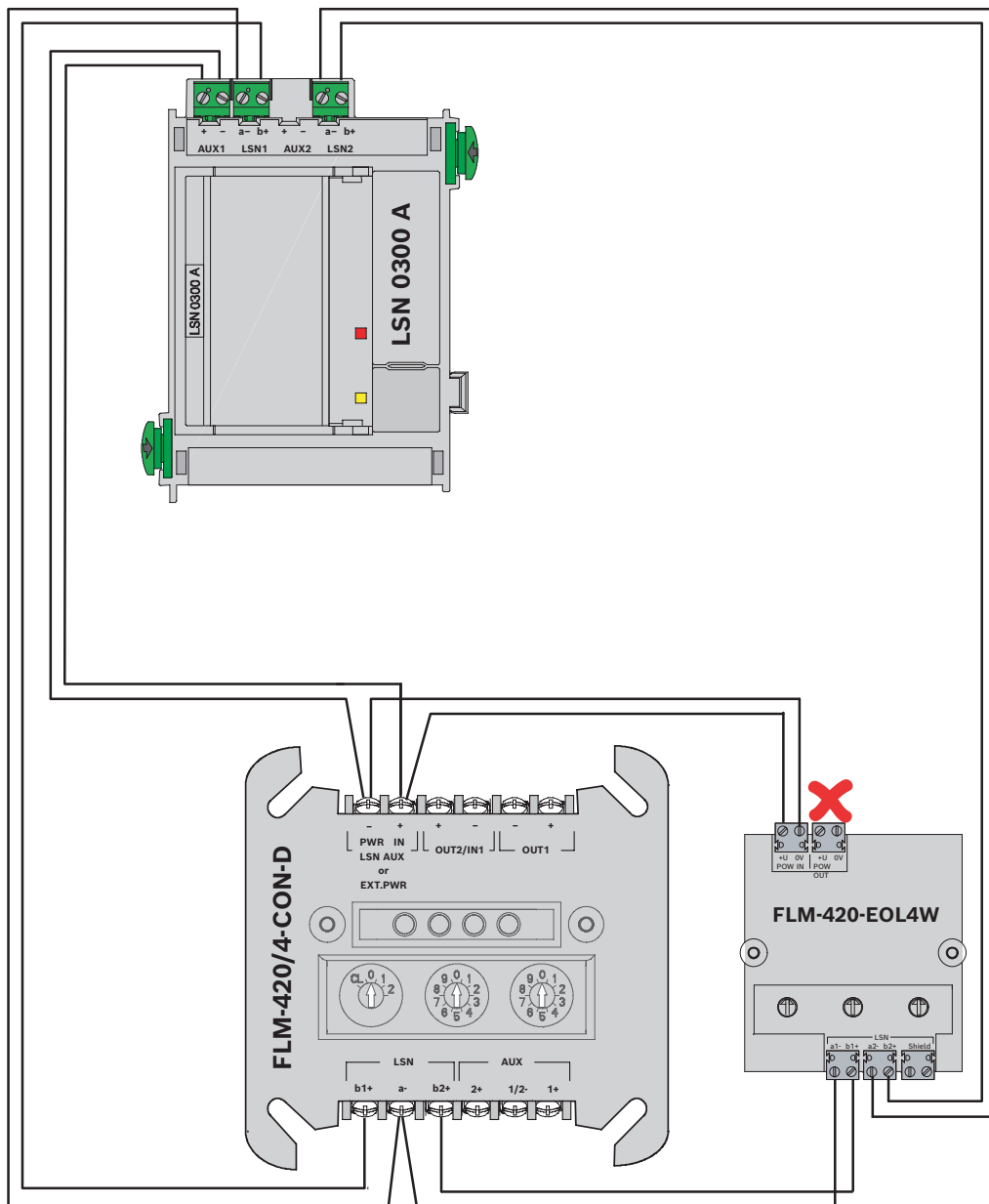
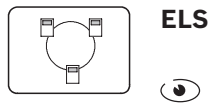
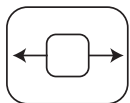
FLM-420-I2-E/-W
FLM-420-RLV1-E

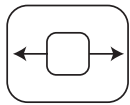


ELS

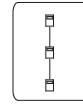




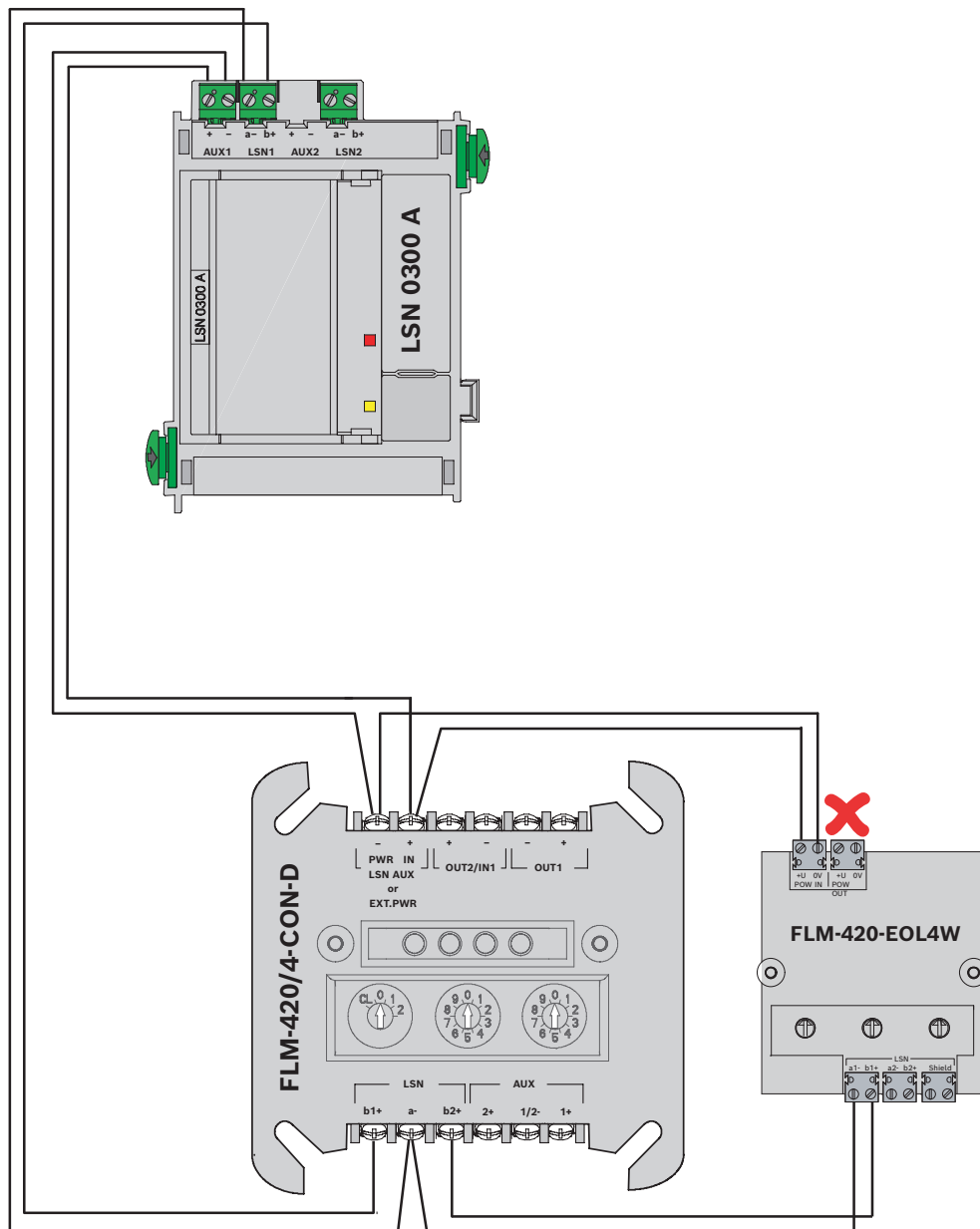


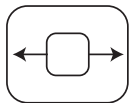


**FLM-420/
4-CON-D**

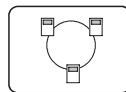


ELS

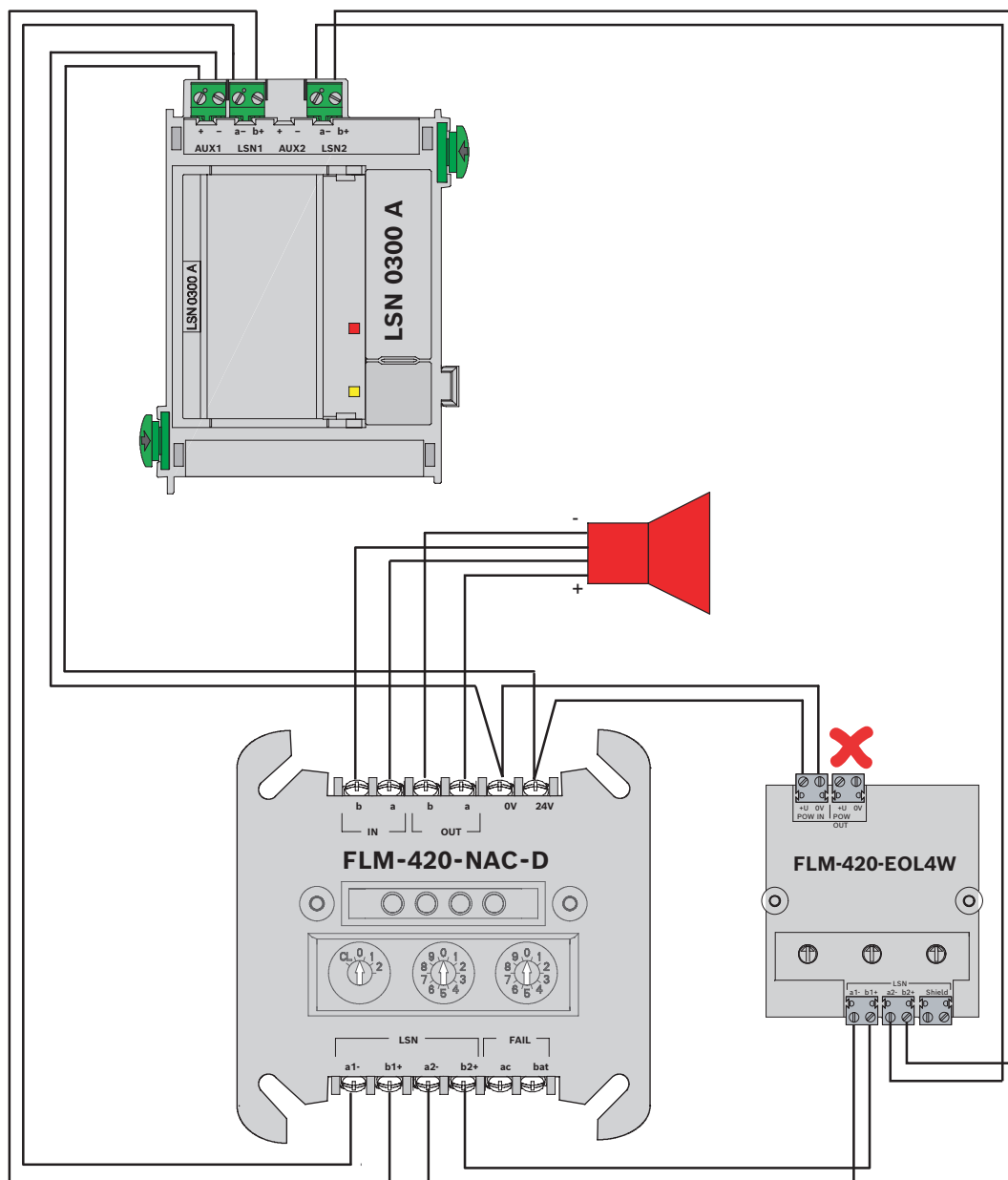


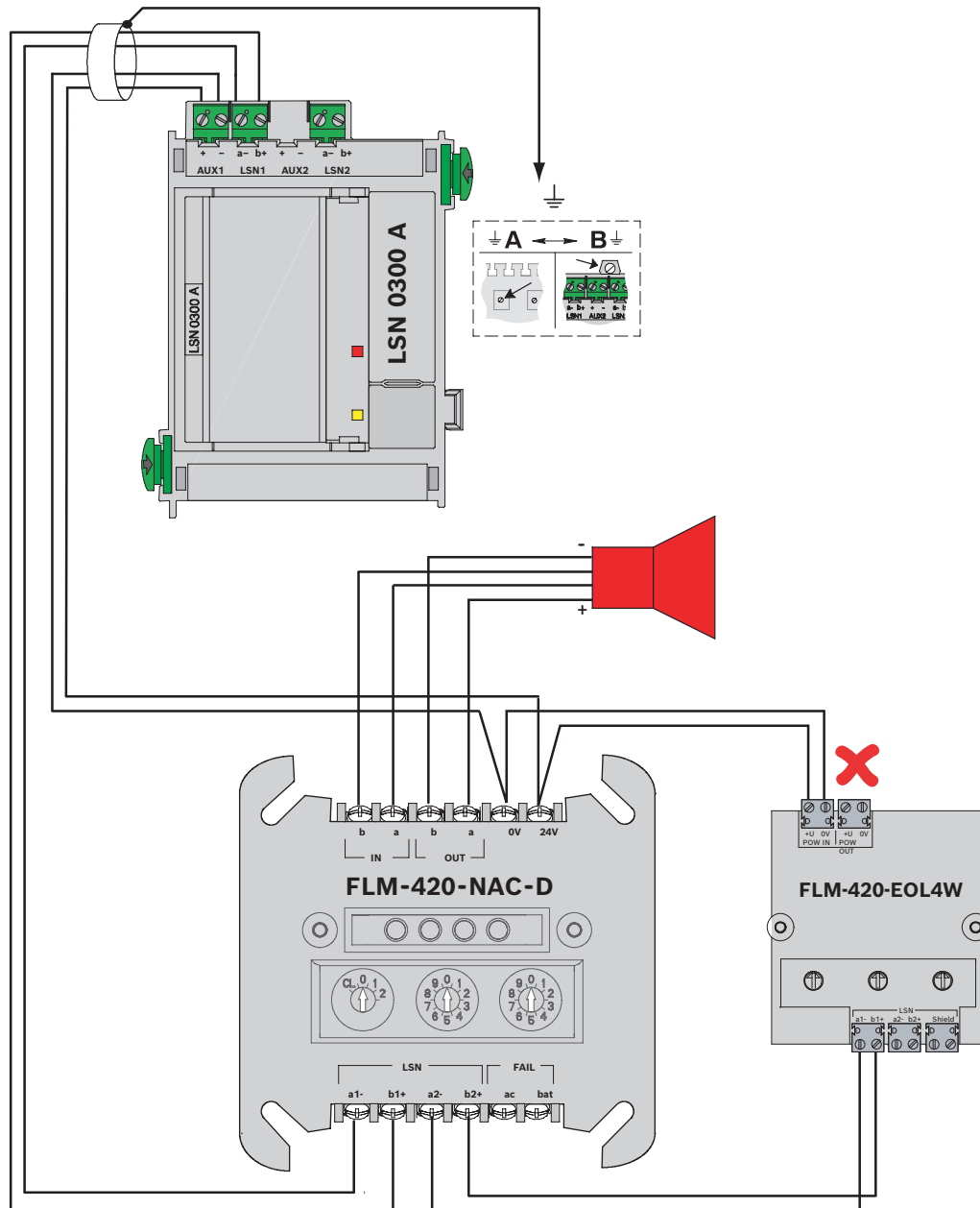
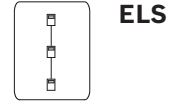
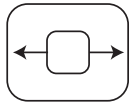


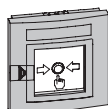
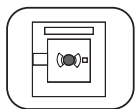
FLM-420-NAC-D/S



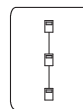
ELS
EN 54-2



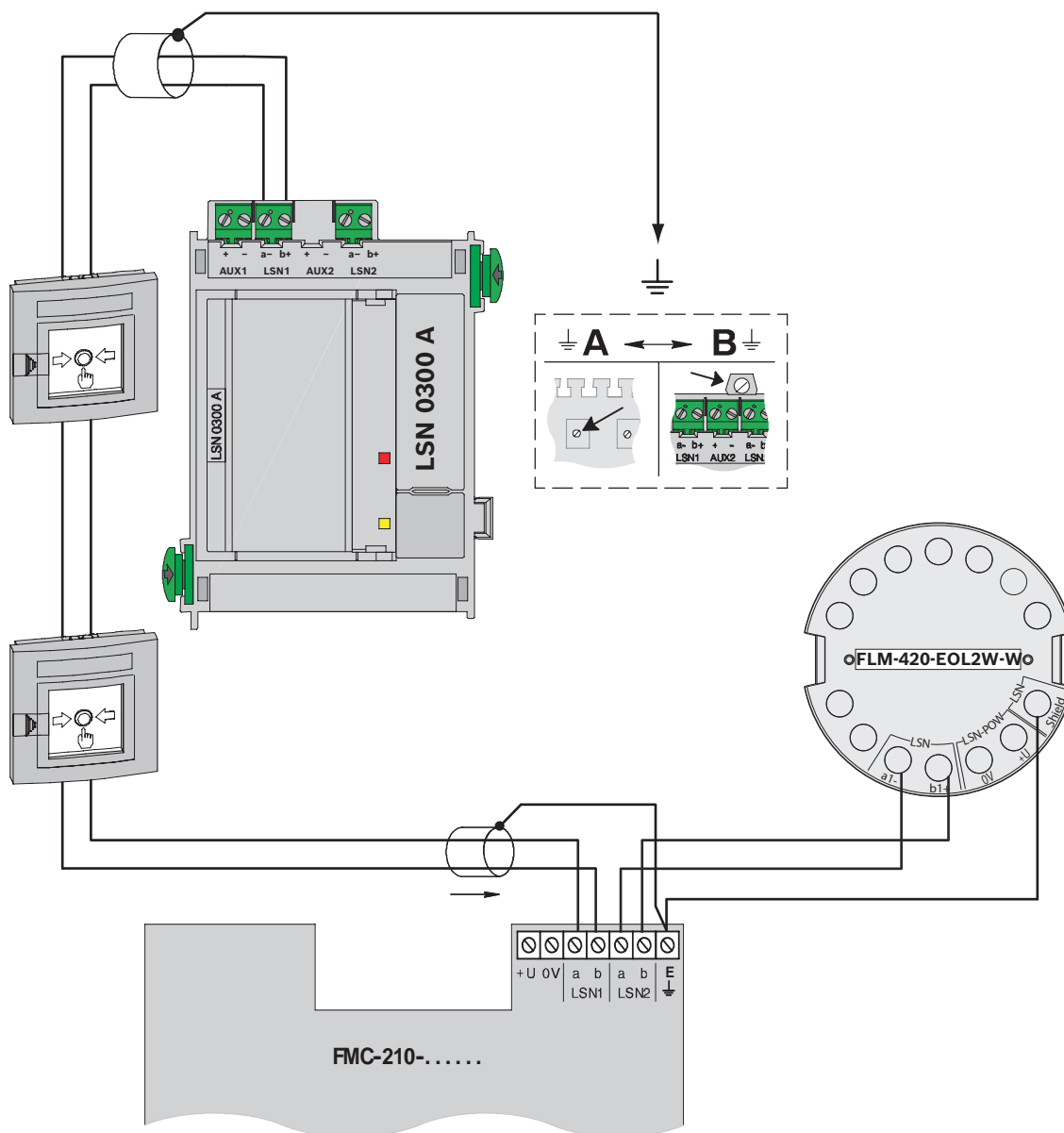


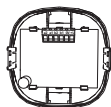


FMC-210...

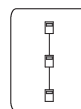


ELS

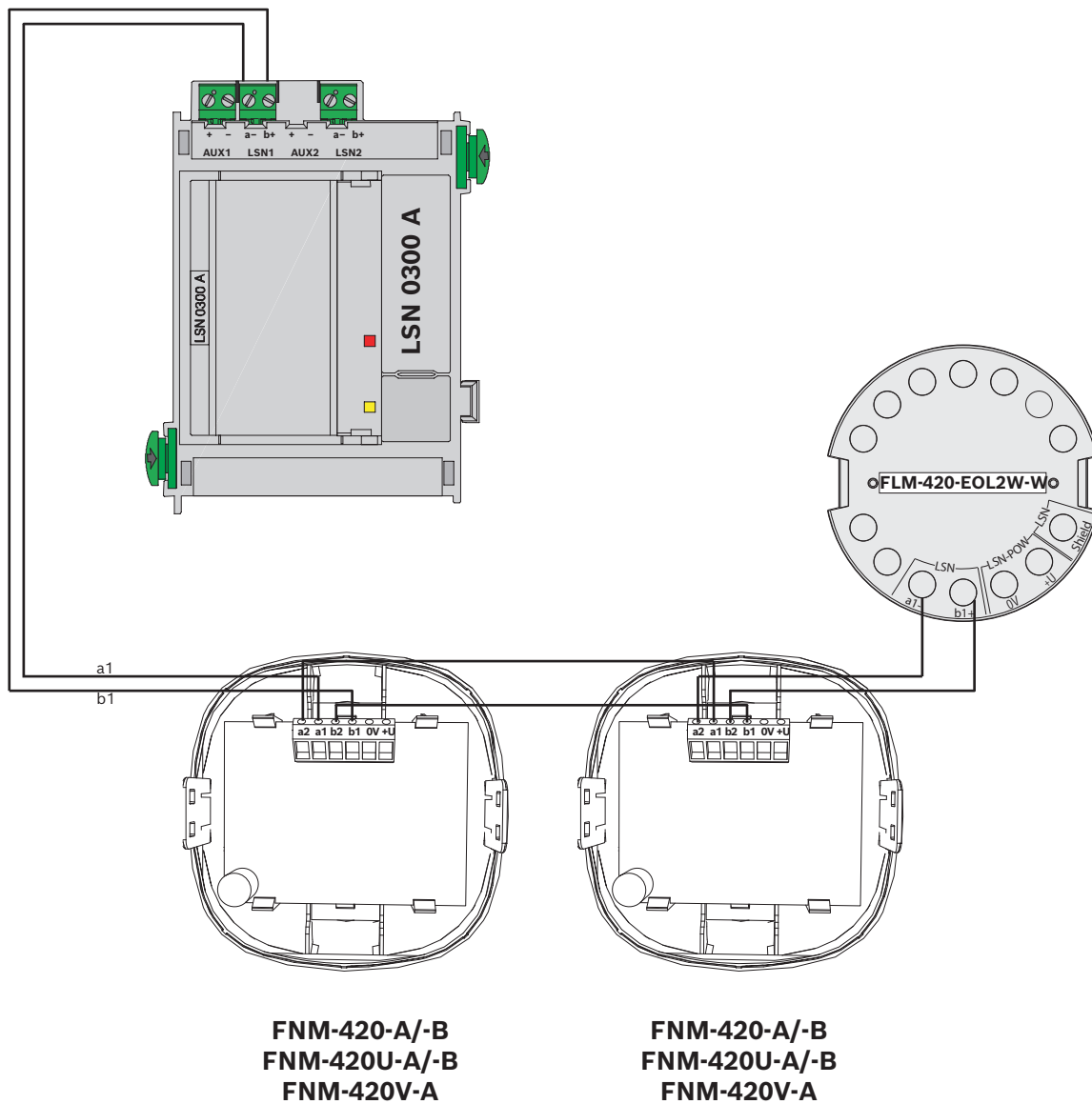




FNM-420-A /-B
FNM-420U-A /-B
FNM-420V-A



ELS

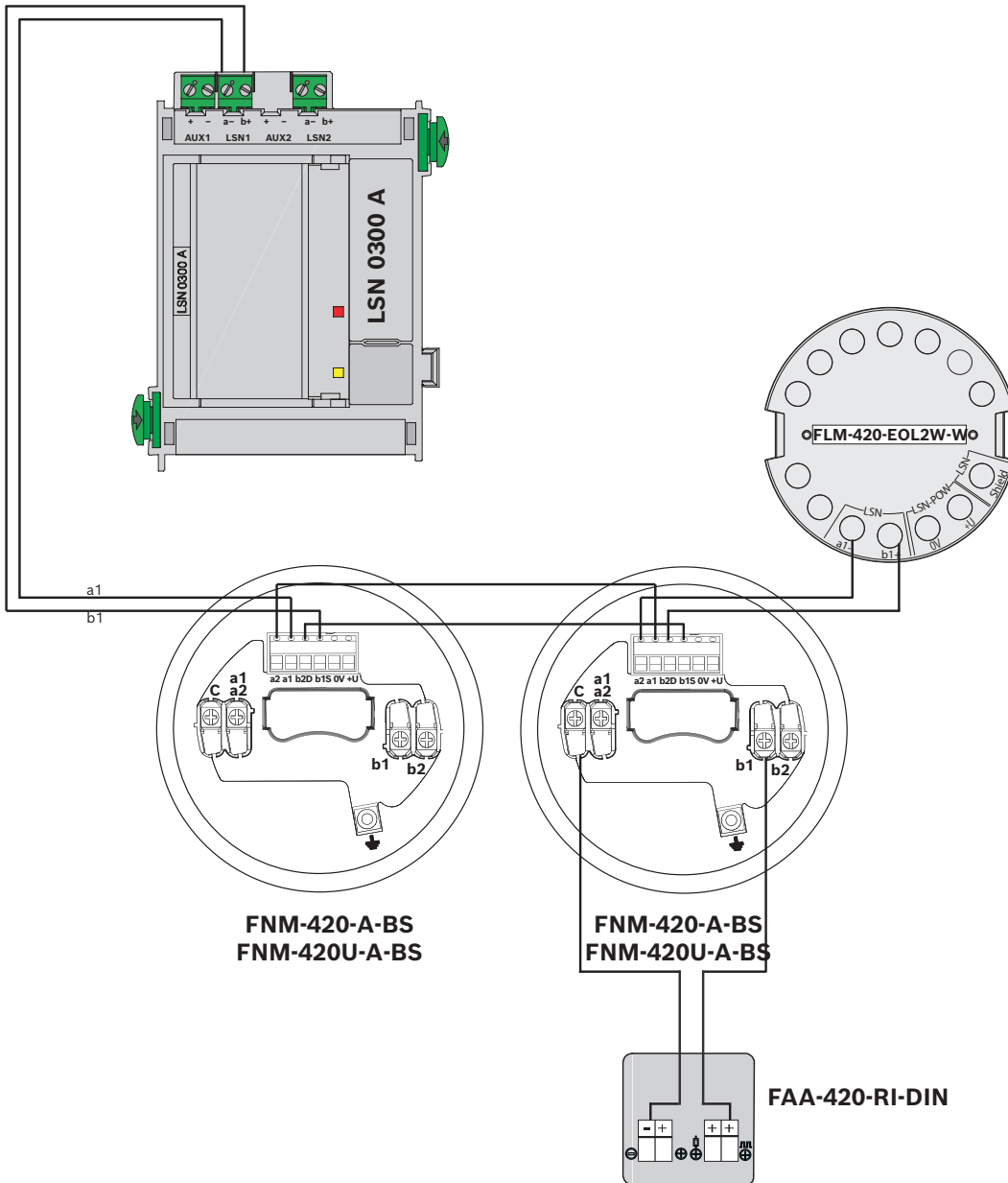




FNM-420-A-BS
FNM-420U-A-BS



ELC

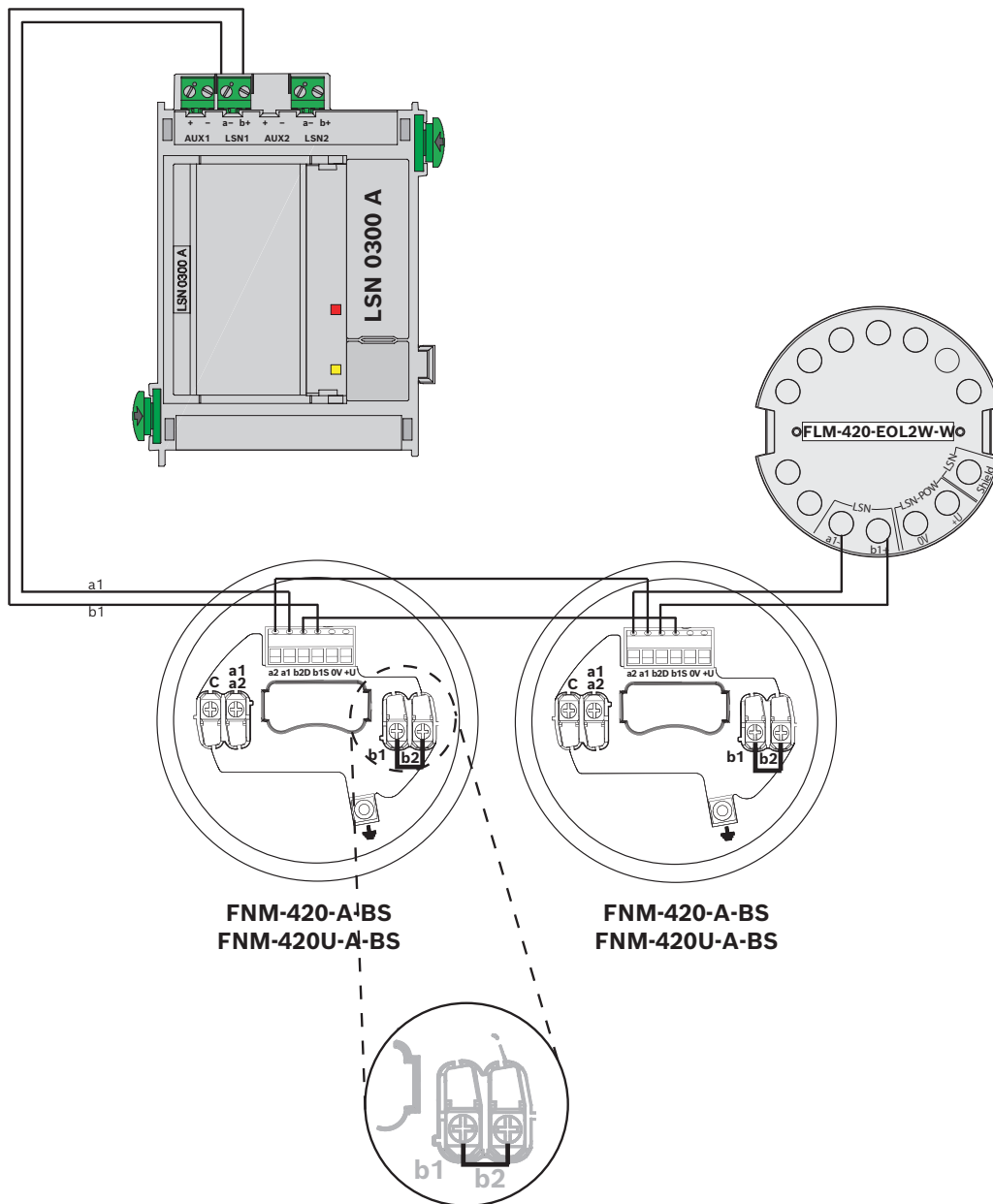




FNM-420-A-BS
FNM-420U-A-BS



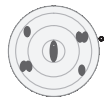
ELS



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

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

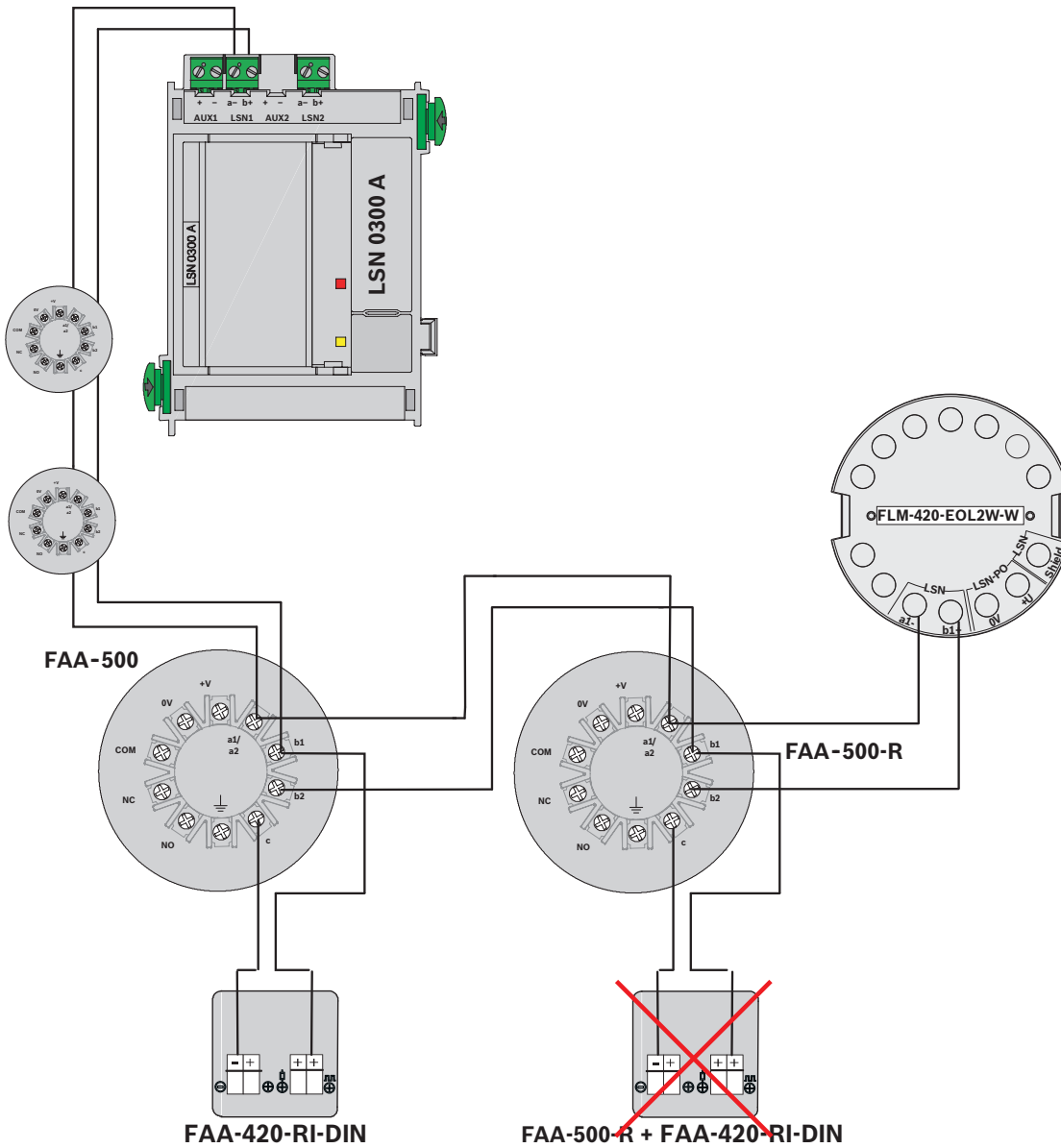
b1 b2

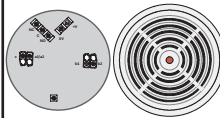


FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P

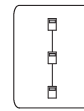


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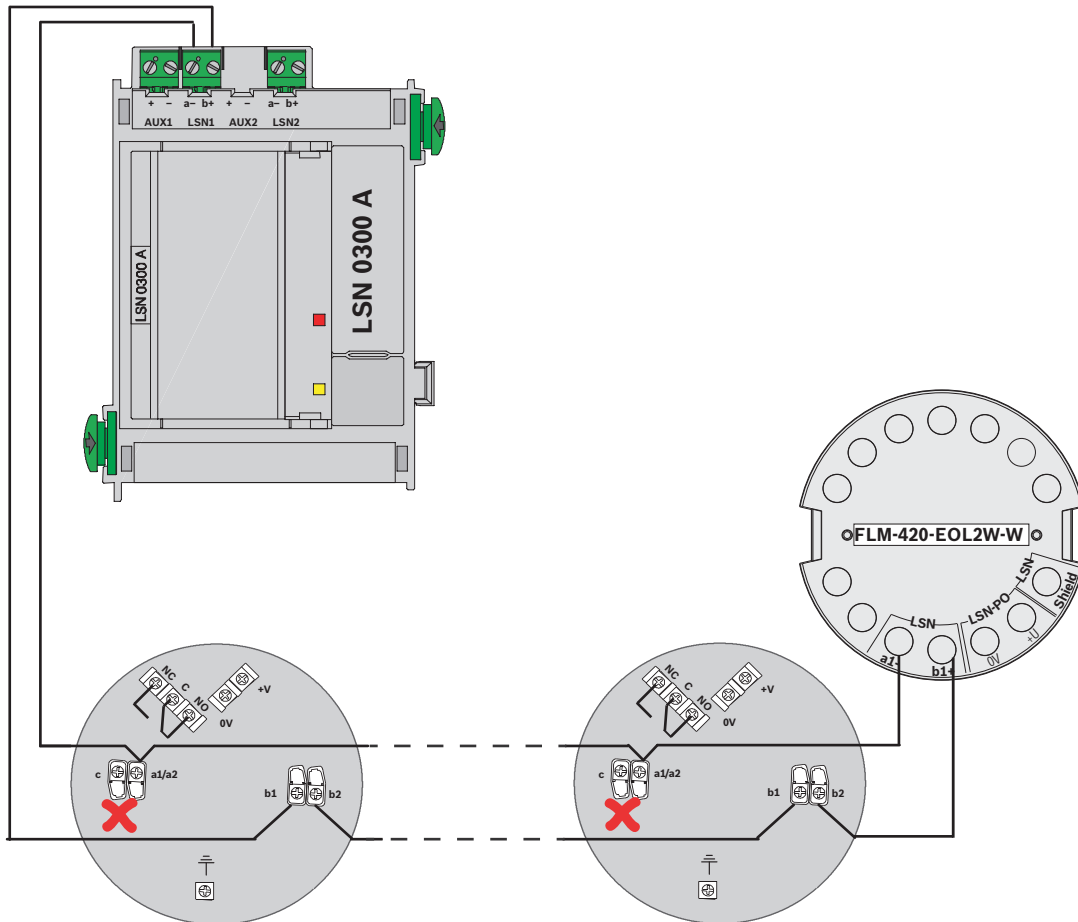


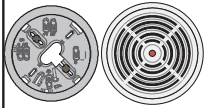


FAA-MSR-420
FAP-425-O, FAP-425-O-R
FAP-425-OT, FAP-425-OT-R
FAP-425-T-R
FAP-425-DO-R, FAP-425-DOT-R
FAP-425-DOTC-R, FAP-425-DOTCO-R

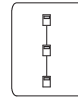


ELS

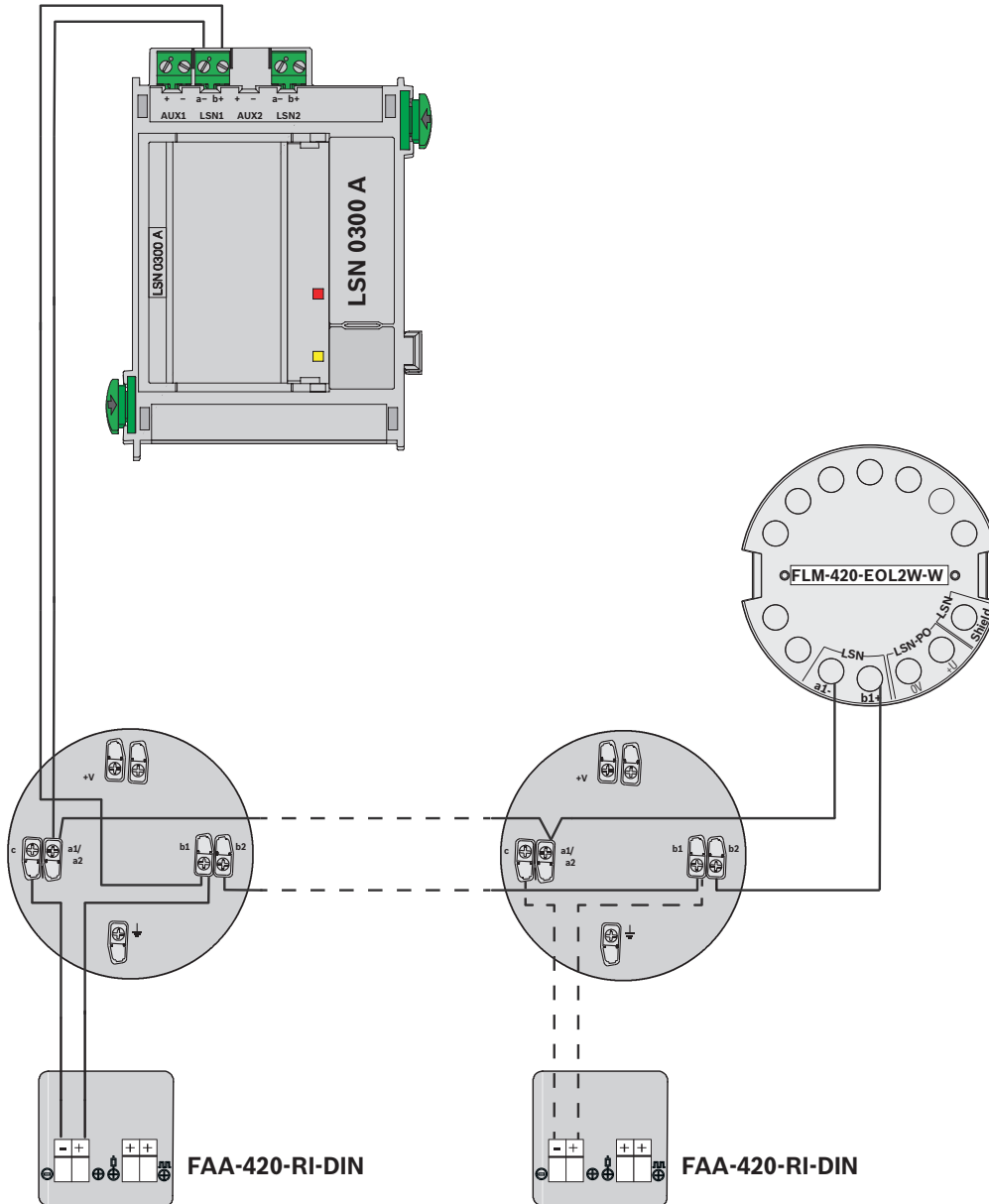


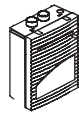


MS 400, MS 400 B
 FAP-425-O, FAP-425-O-R
 FAP-425-OT, FAP-425-OT-R
 FAP-425-T-R
 FAP-425-DO-R, FAP-425-DOT-R
 FAP-425-DOTC-R, FAP-425-DOTCO-R

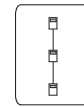


ELS

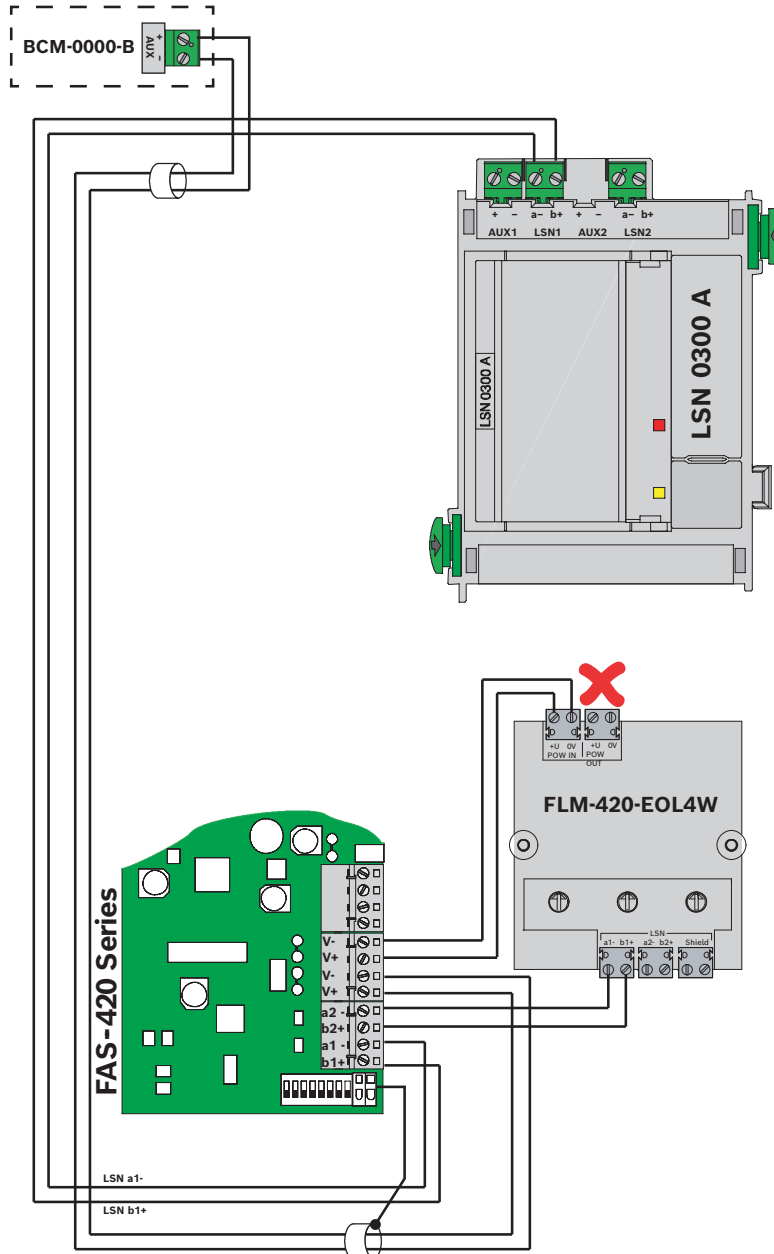


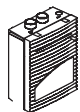


FAS-420 Series

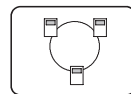


ELS

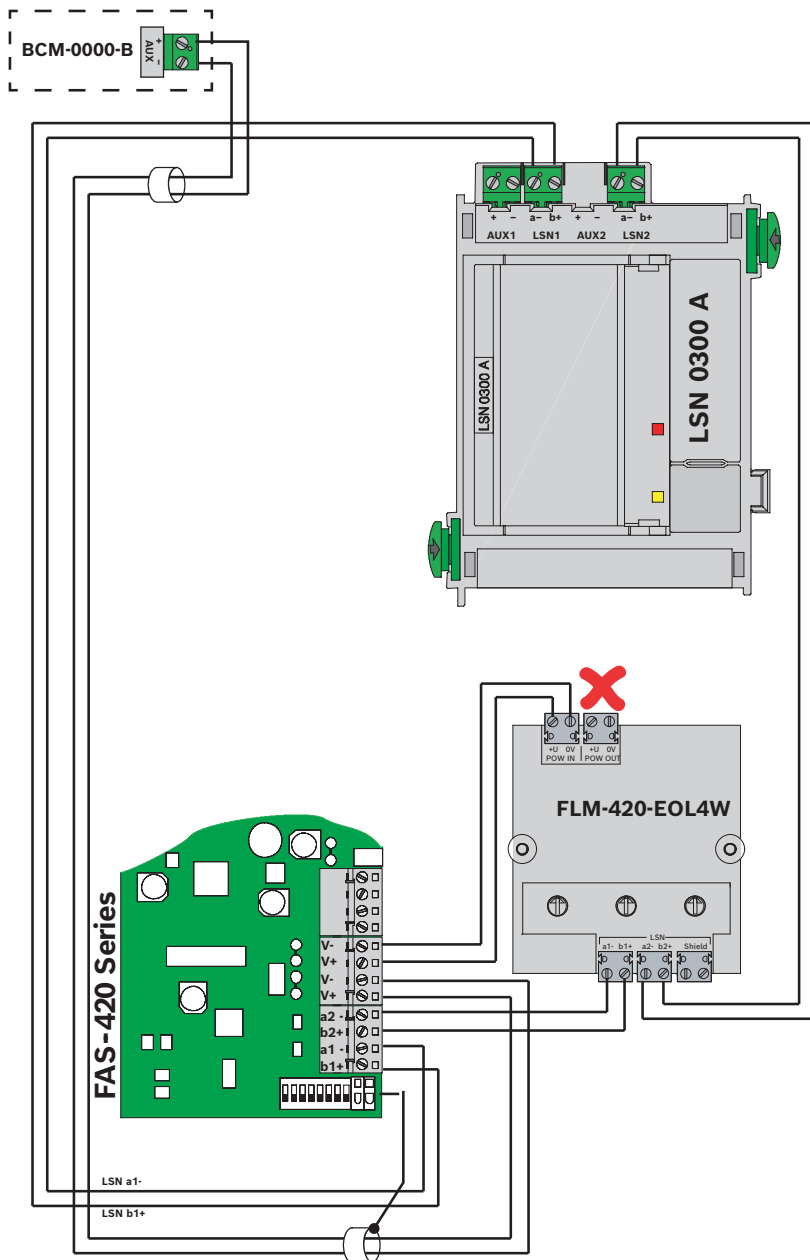


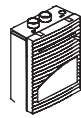


FAS-420 Series

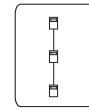


ELS

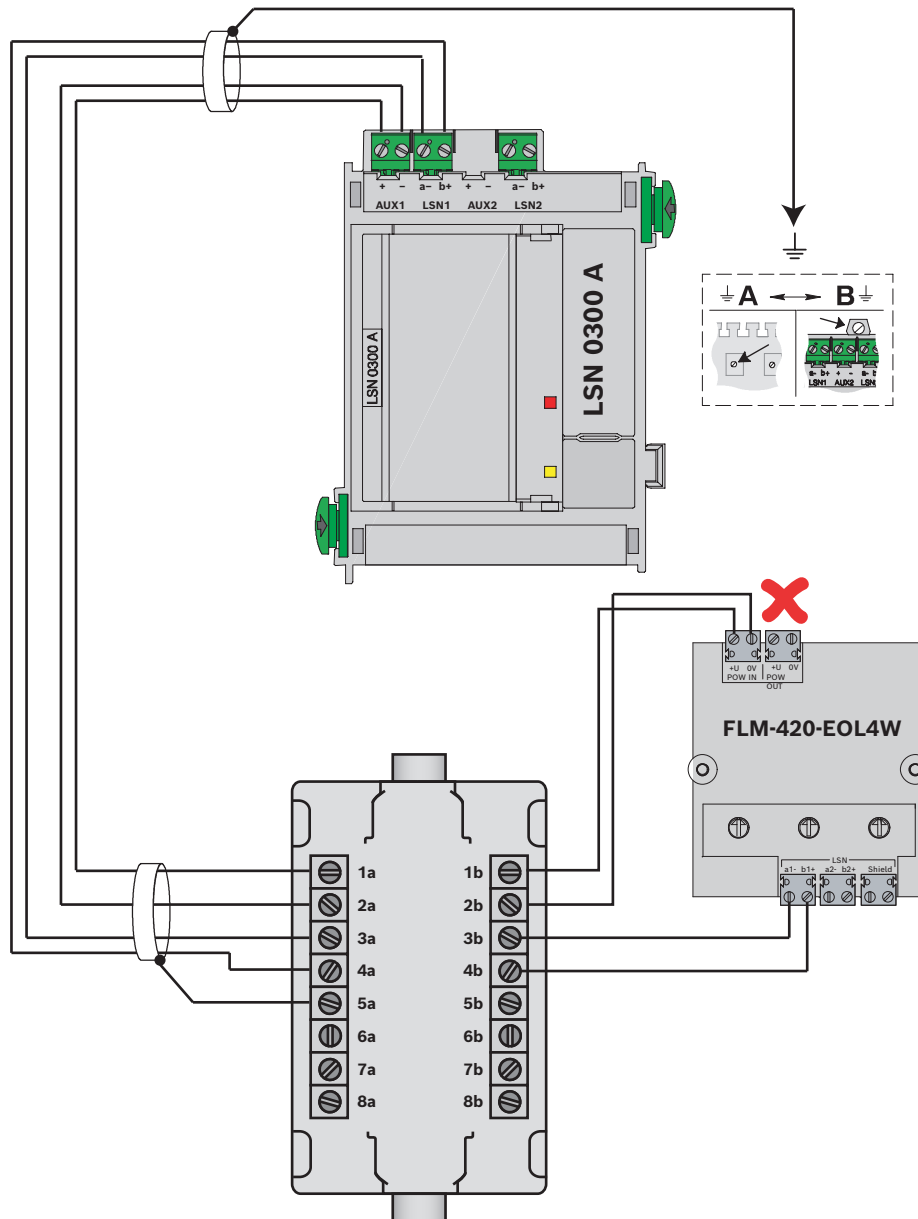


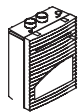


FAS-420-TM Series

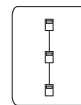


ELS

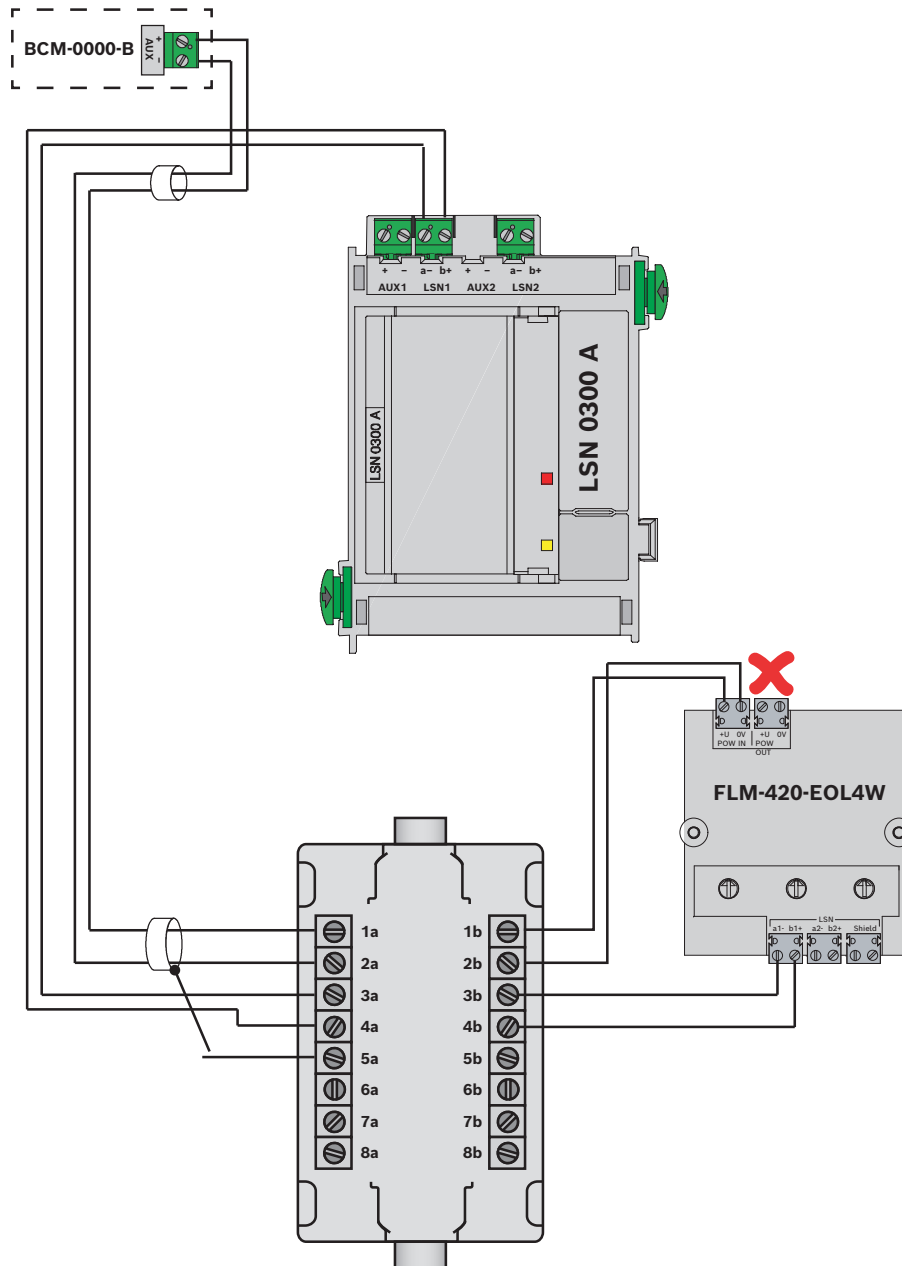


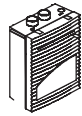


FAS-420-TM Series

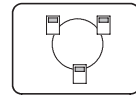


ELS

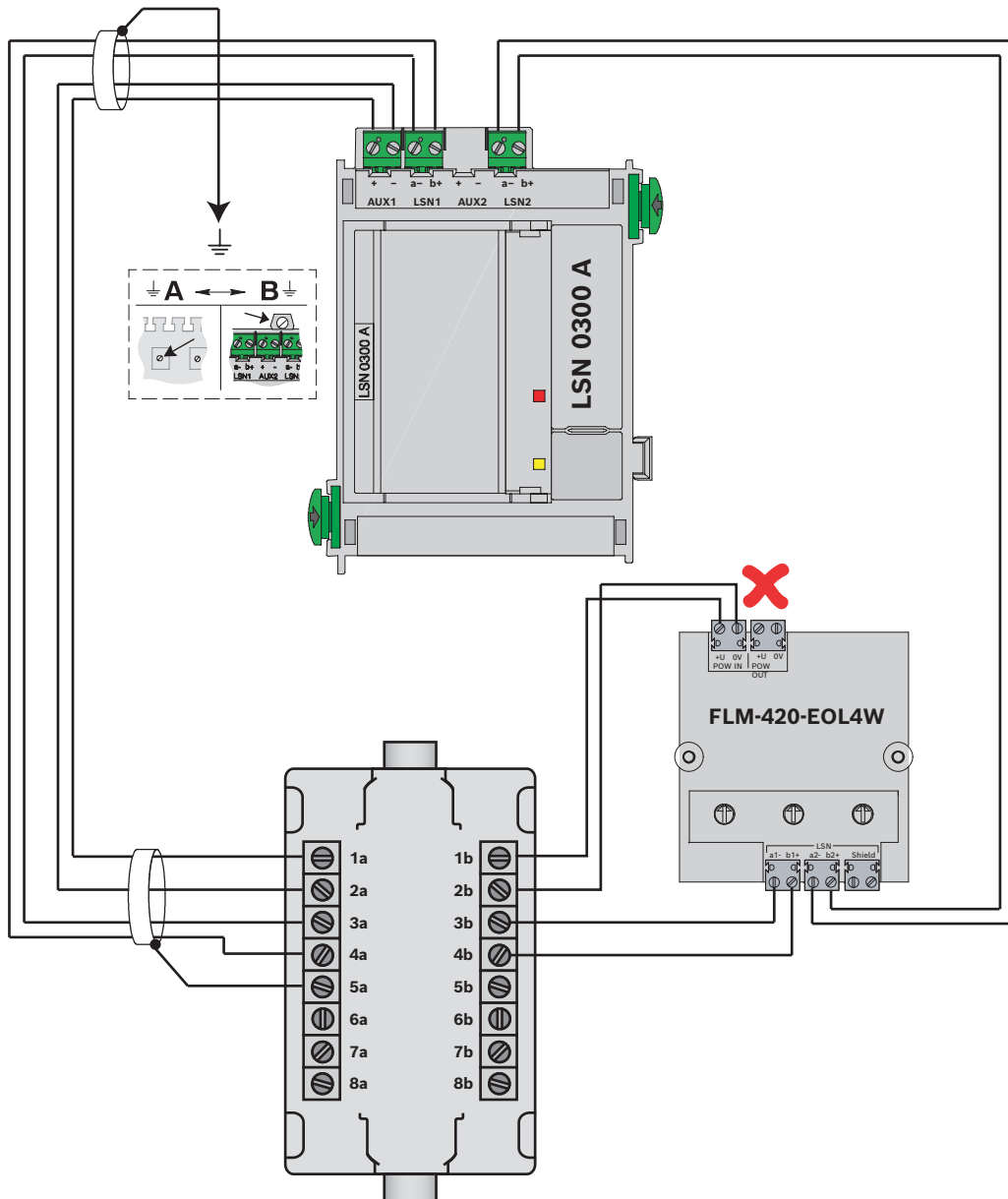


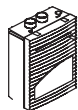


FAS-420-TM Series

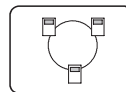


ELS

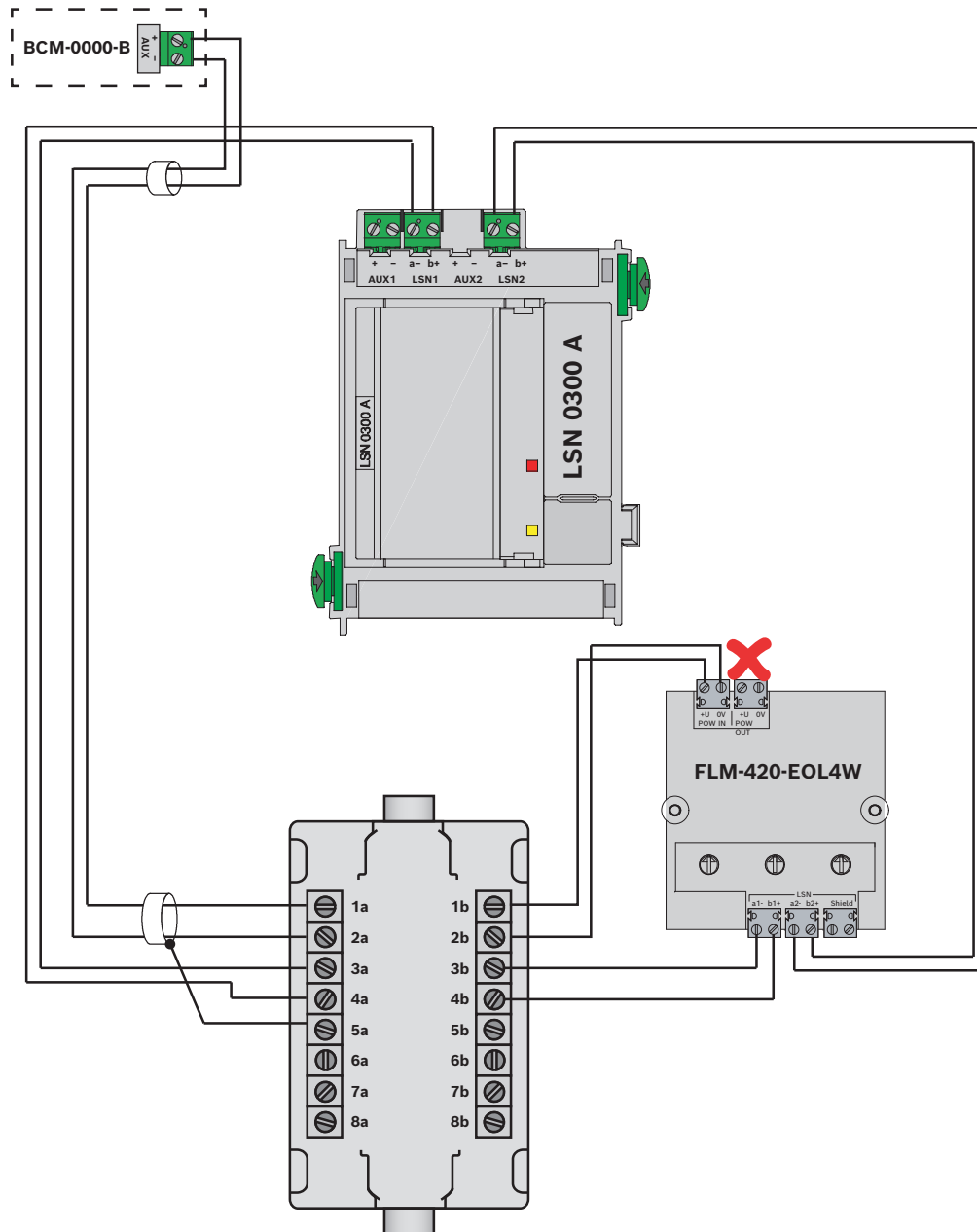




FAS-420-TM Series

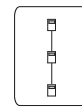


ELS

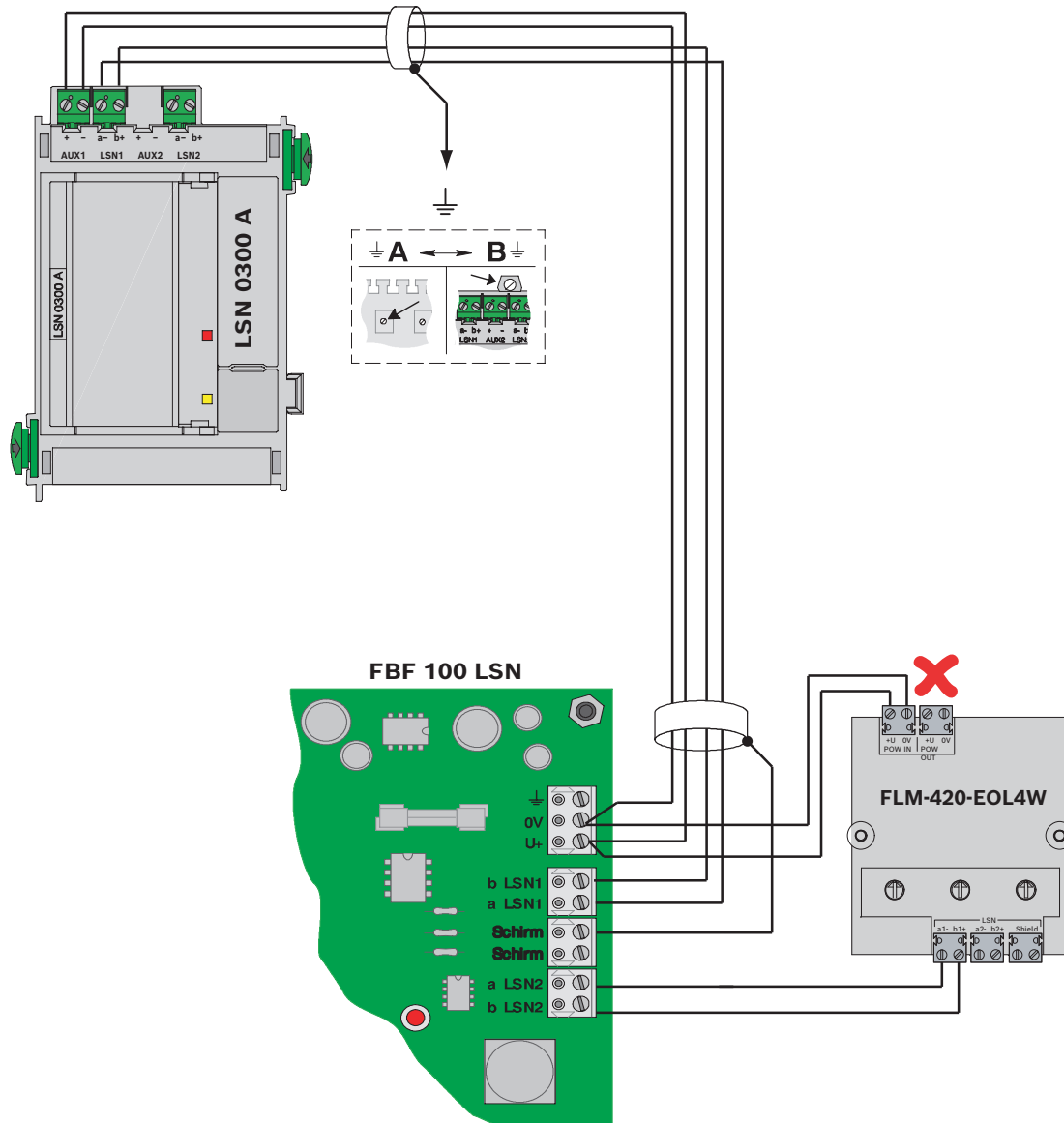




FBF 100 LSN

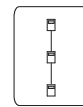


ELS

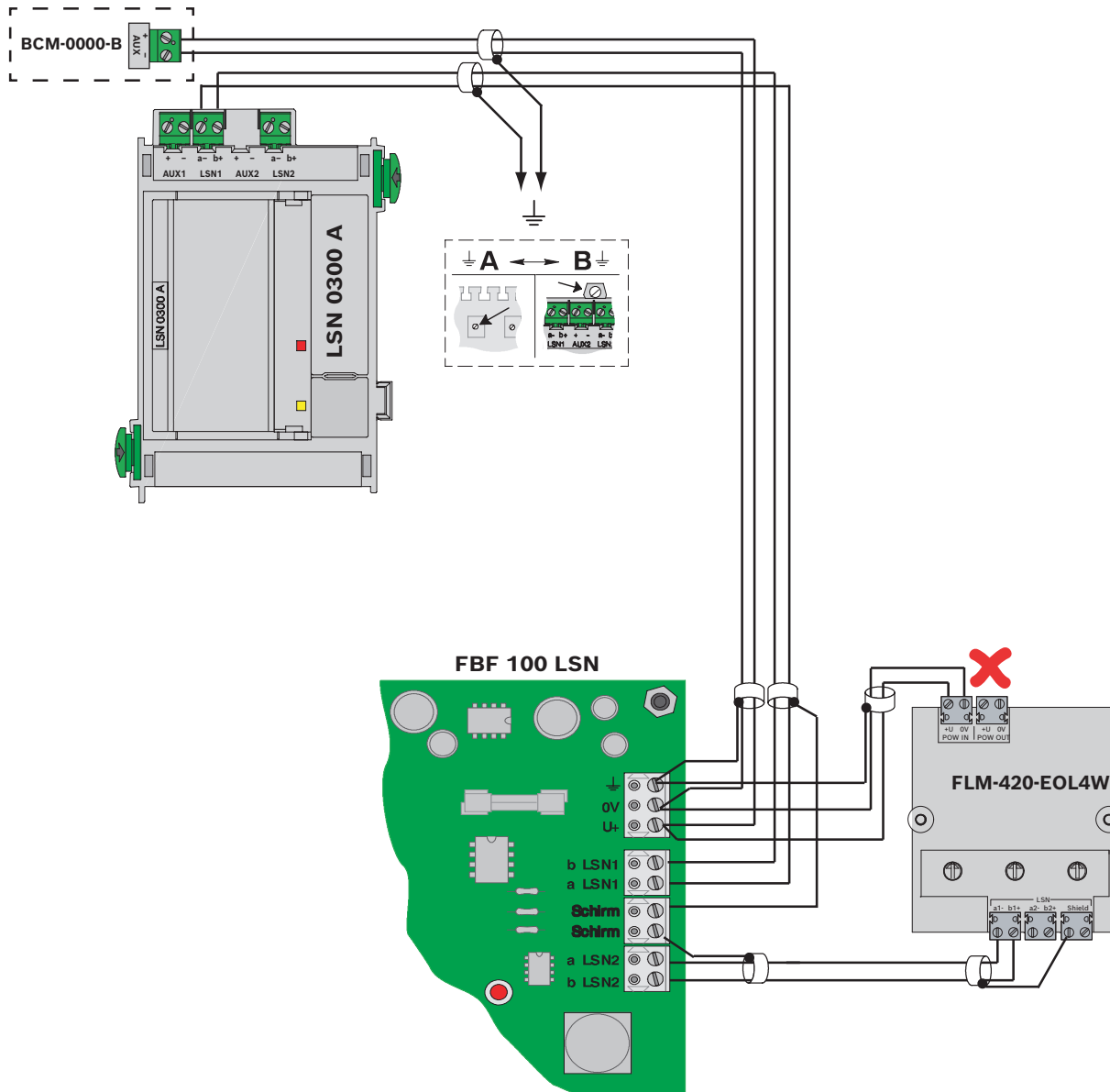




FBF 100 LSN

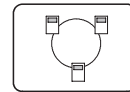


ELS

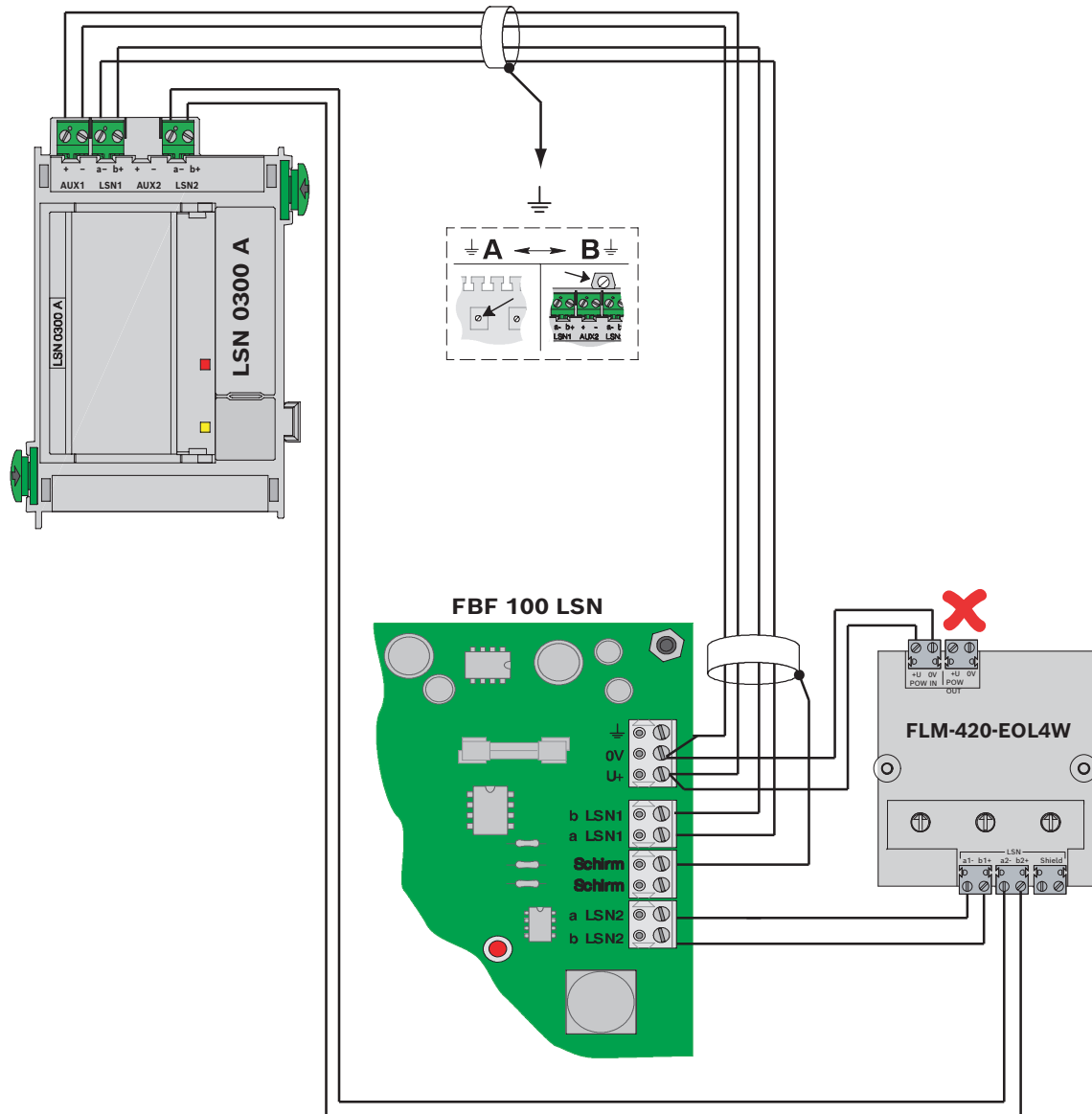




FBF 100 LSN

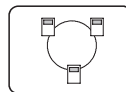


ELS

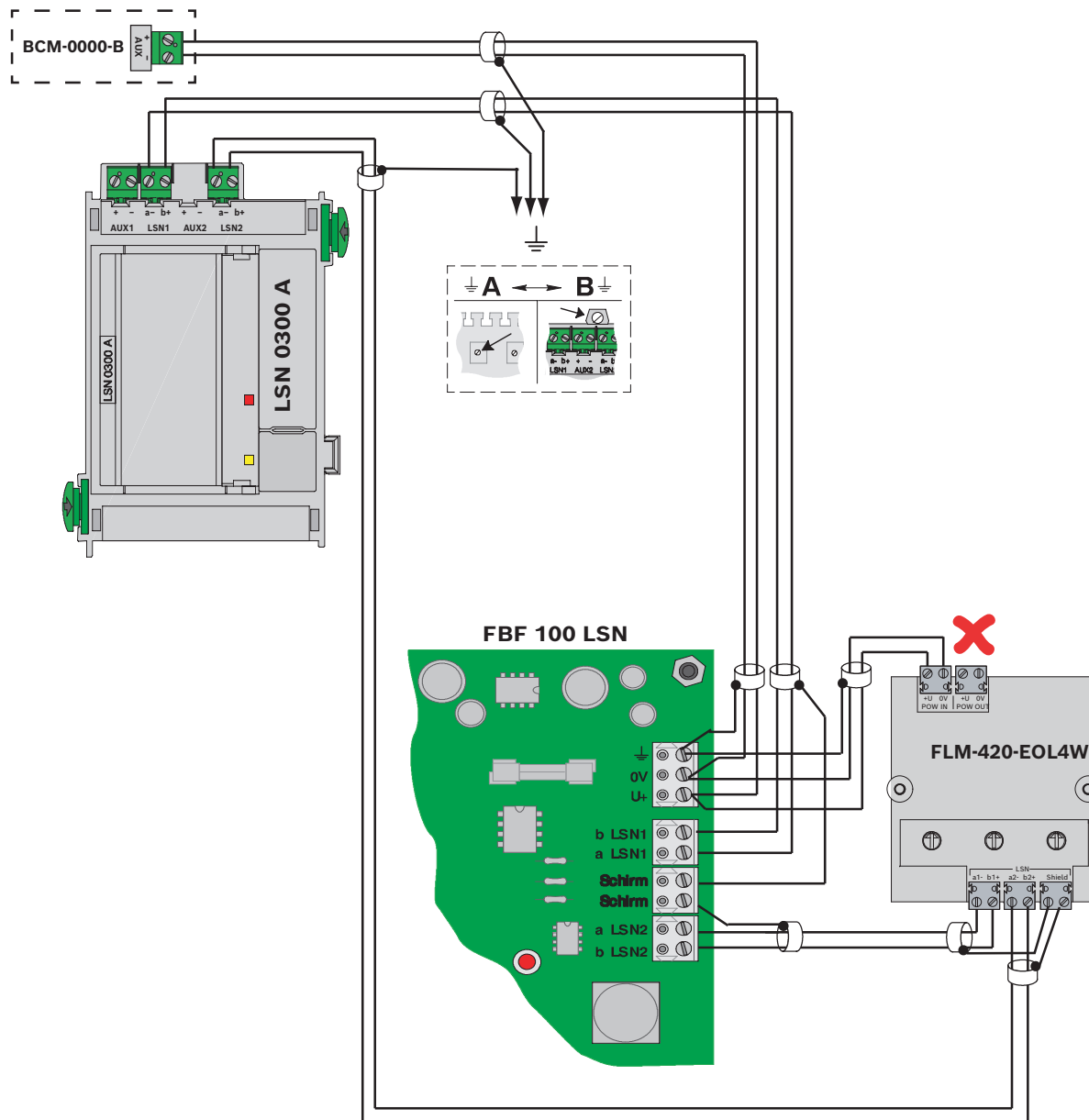


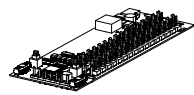


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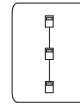


ELS

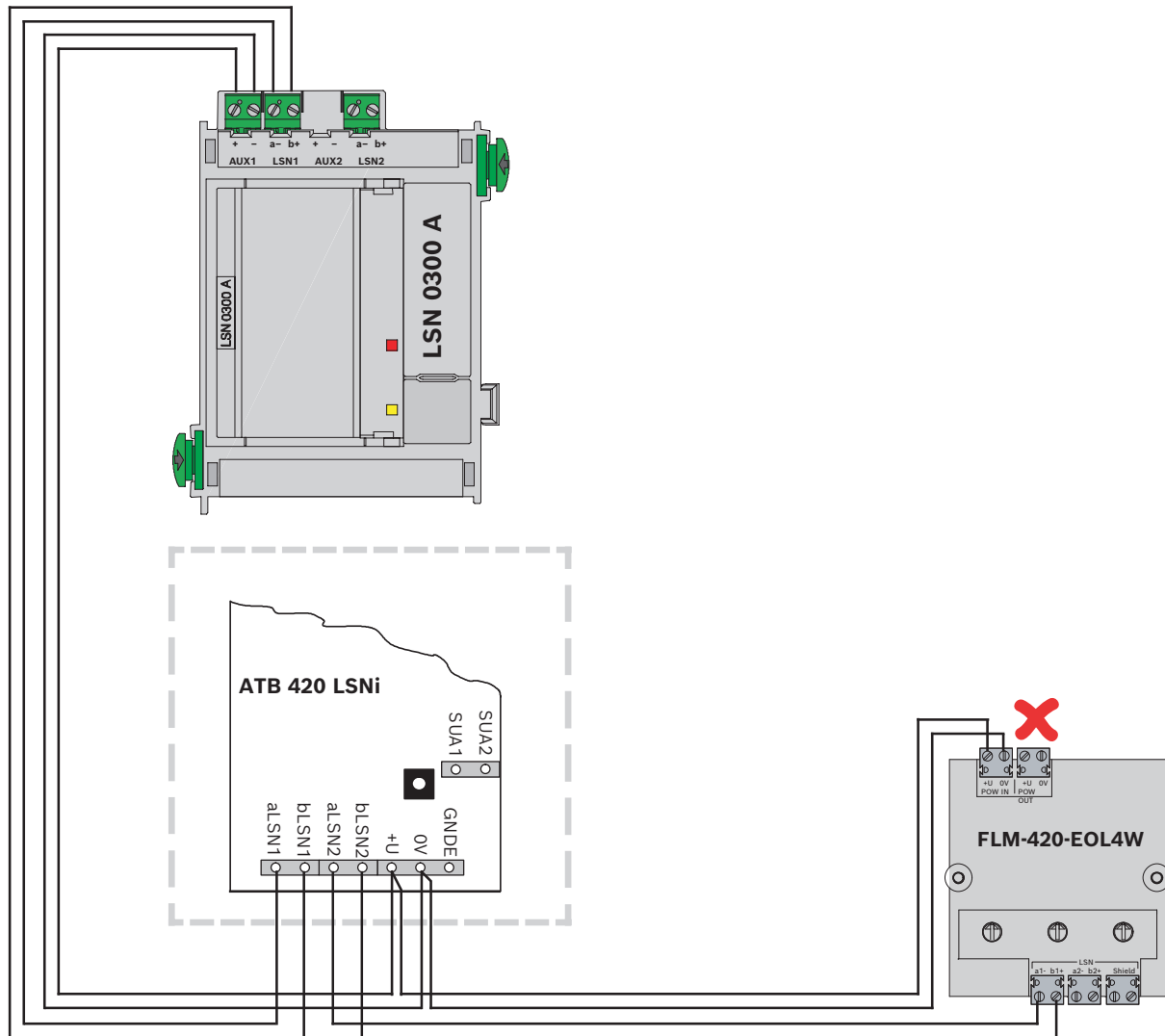


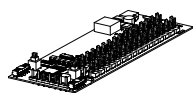


ATB 420 LSNi

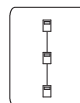


ELS

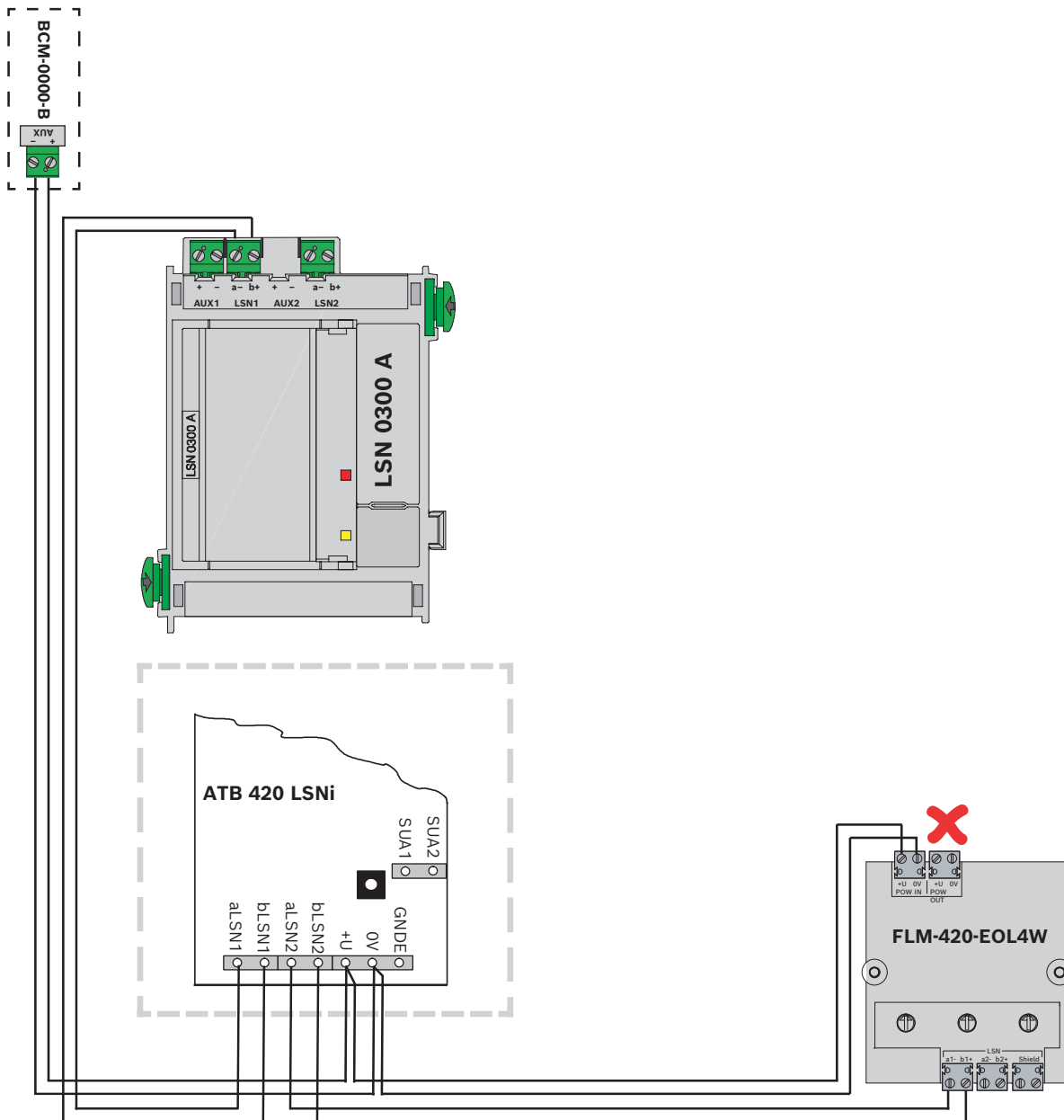


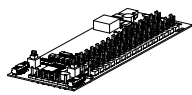


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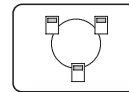


ELS

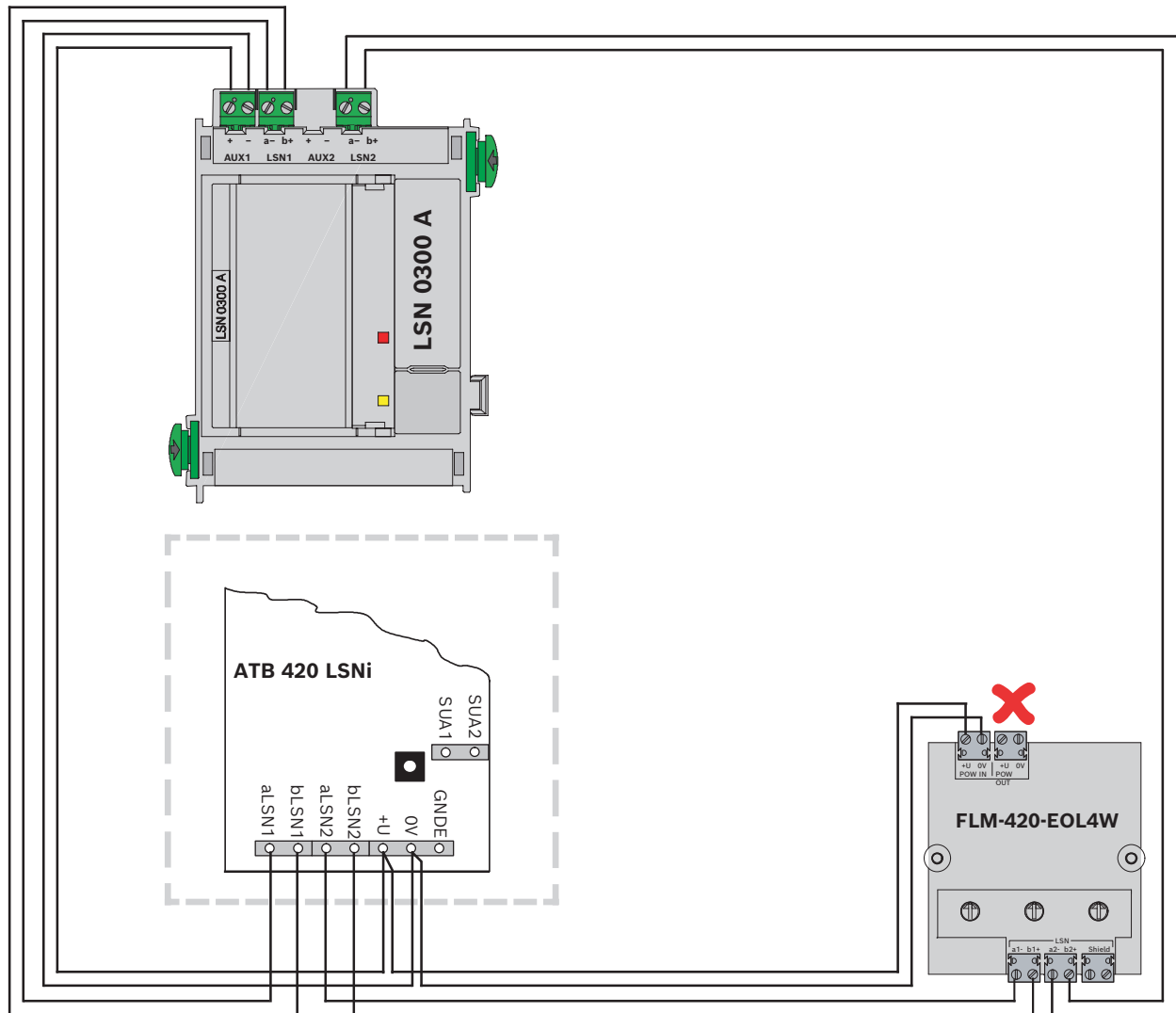


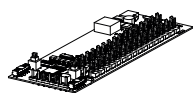


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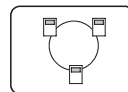


ELS

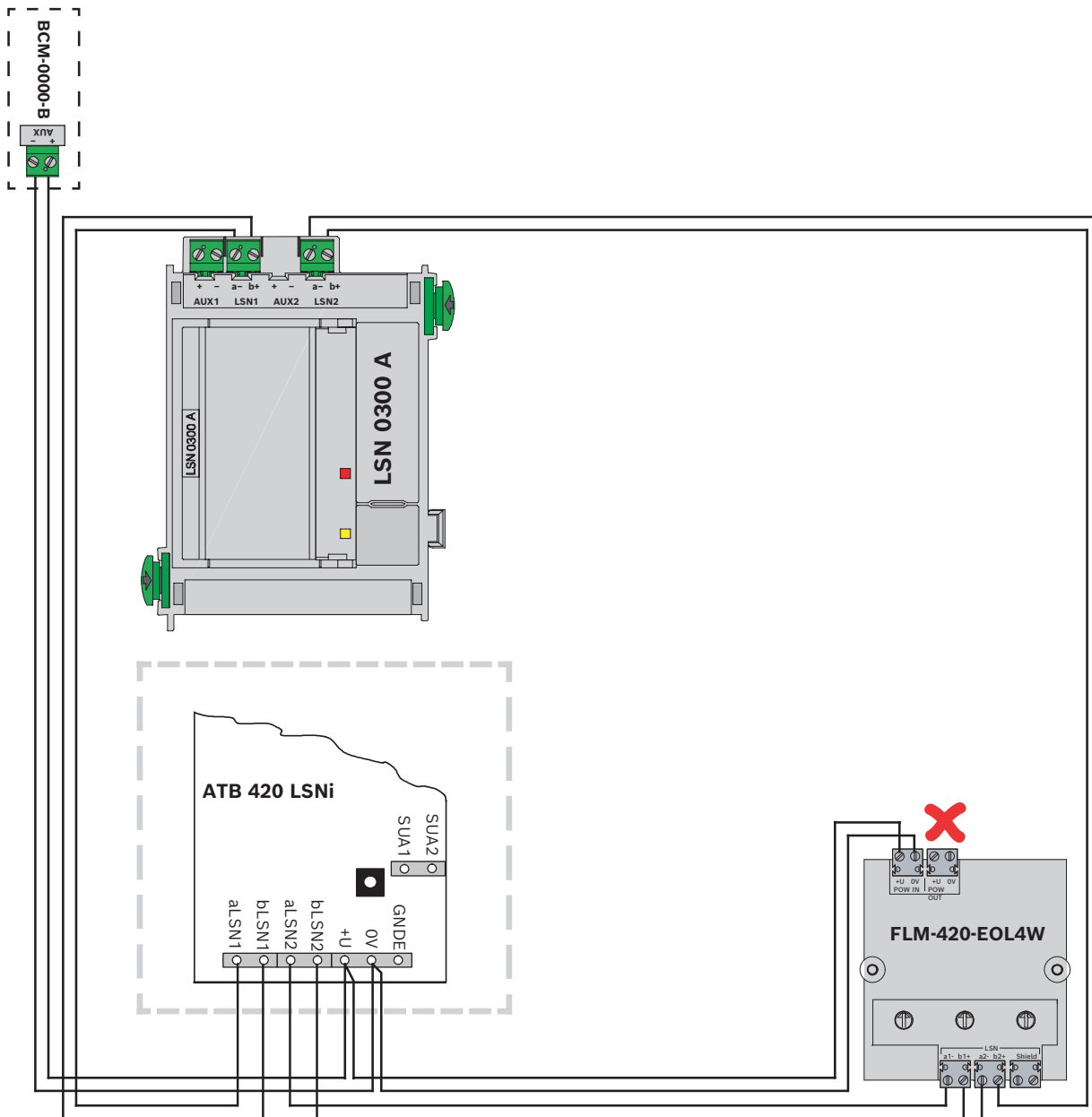




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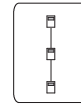


ELS

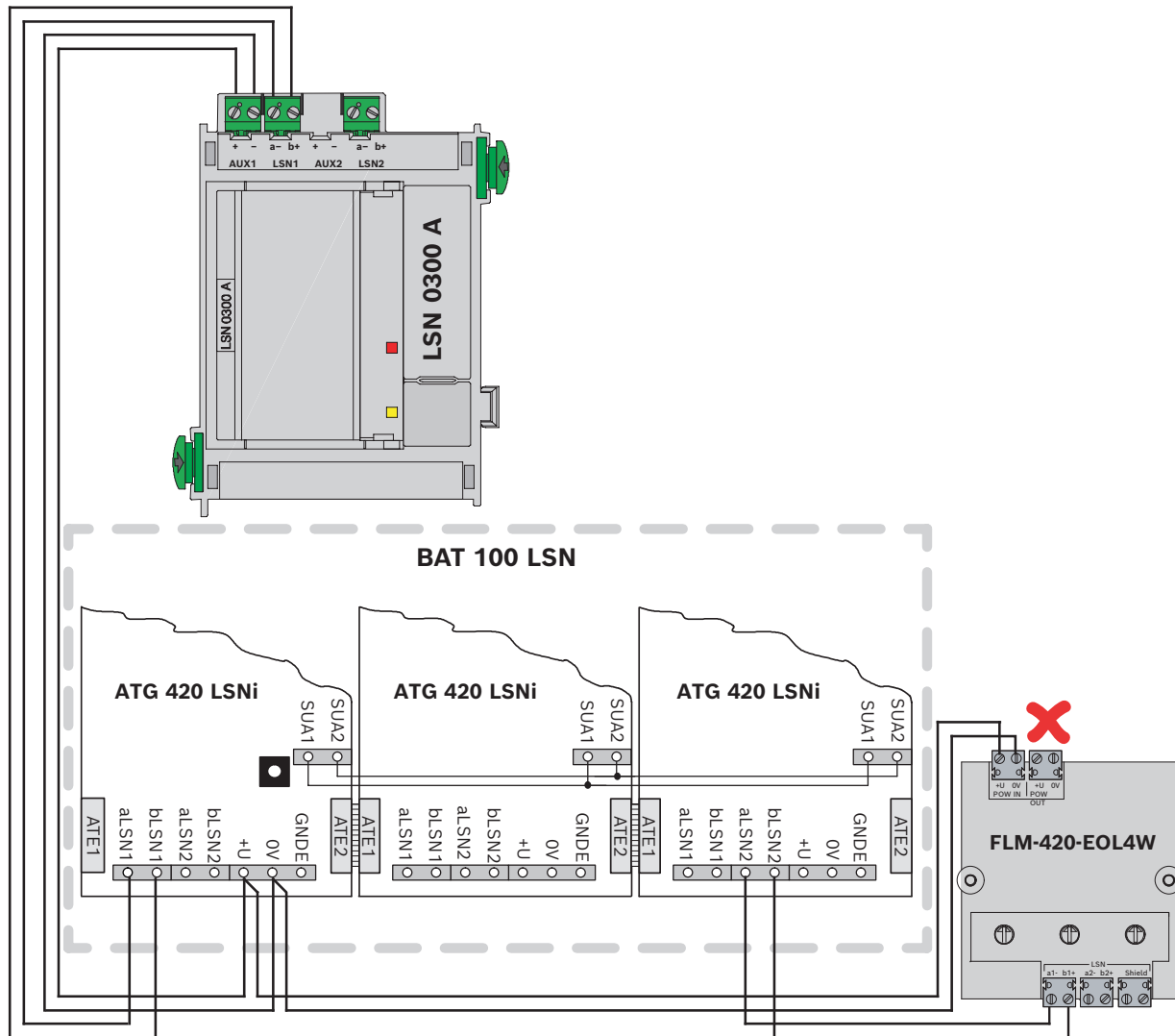




**BAT 100 LSN
ATG 420 LSNi**

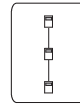


ELS

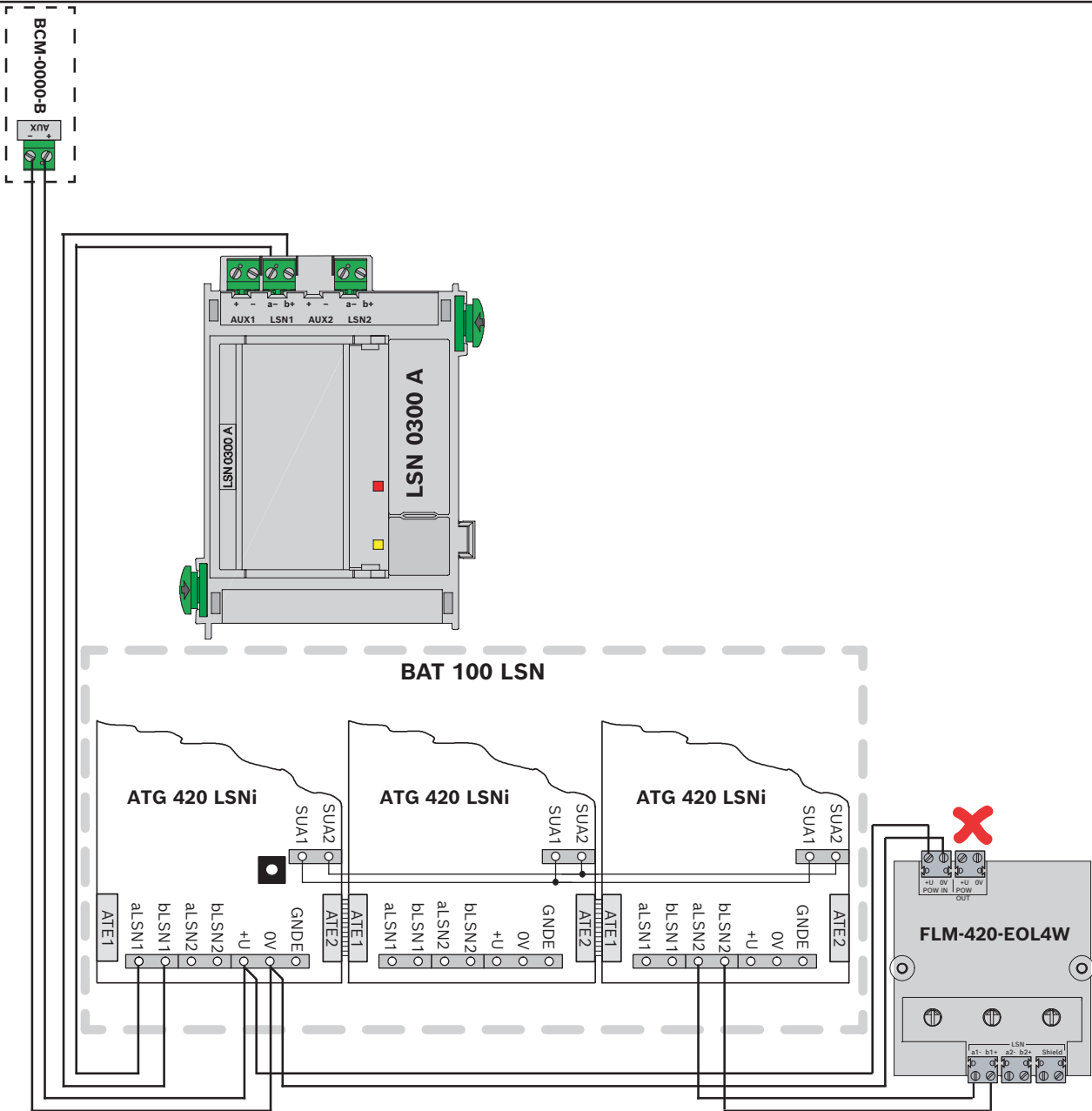




BAT 100 LSN
ATG 420 LSNi

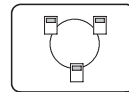


ELS

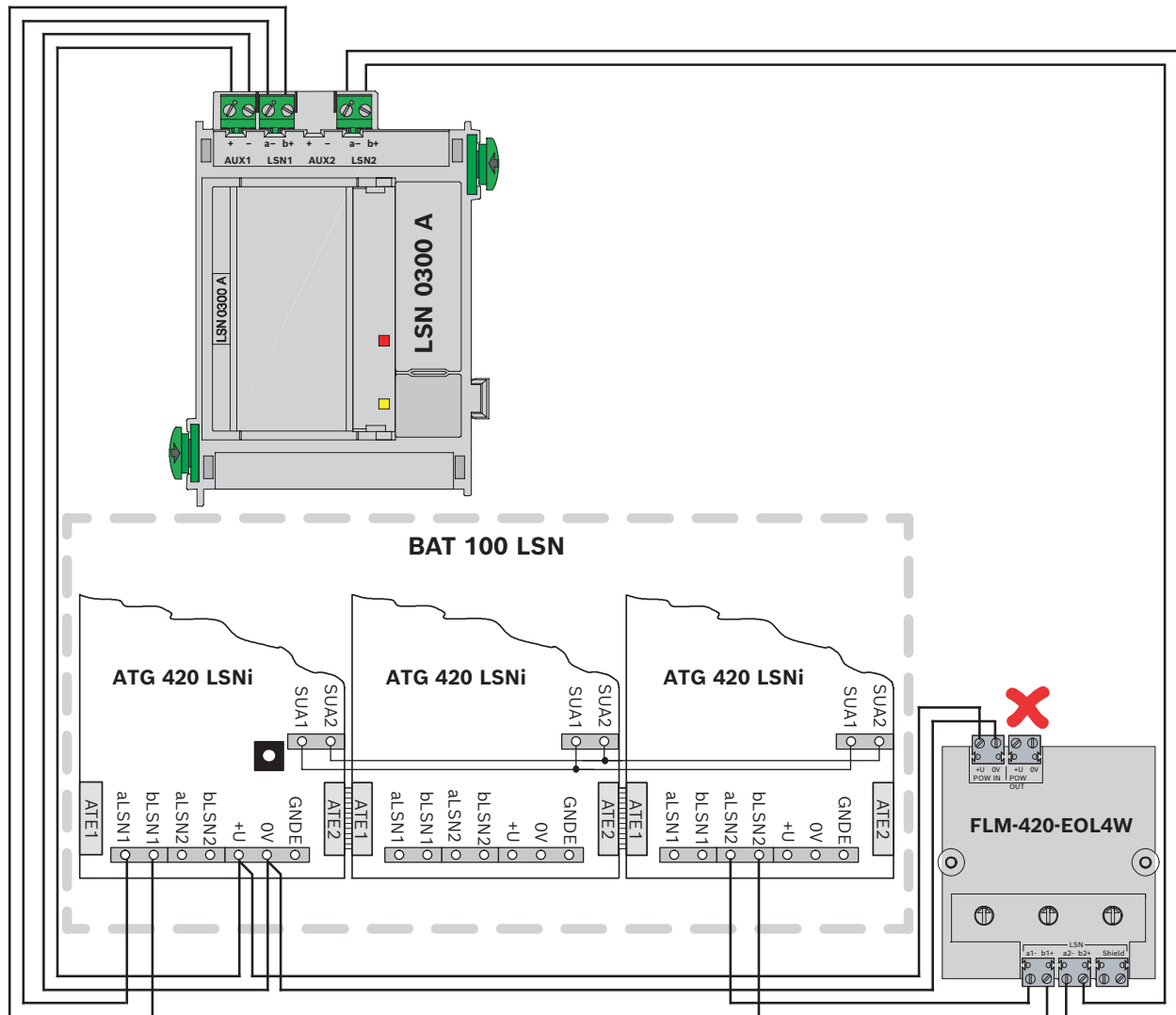




**BAT 100 LSN
ATG 420 LSNi**

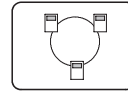


ELS

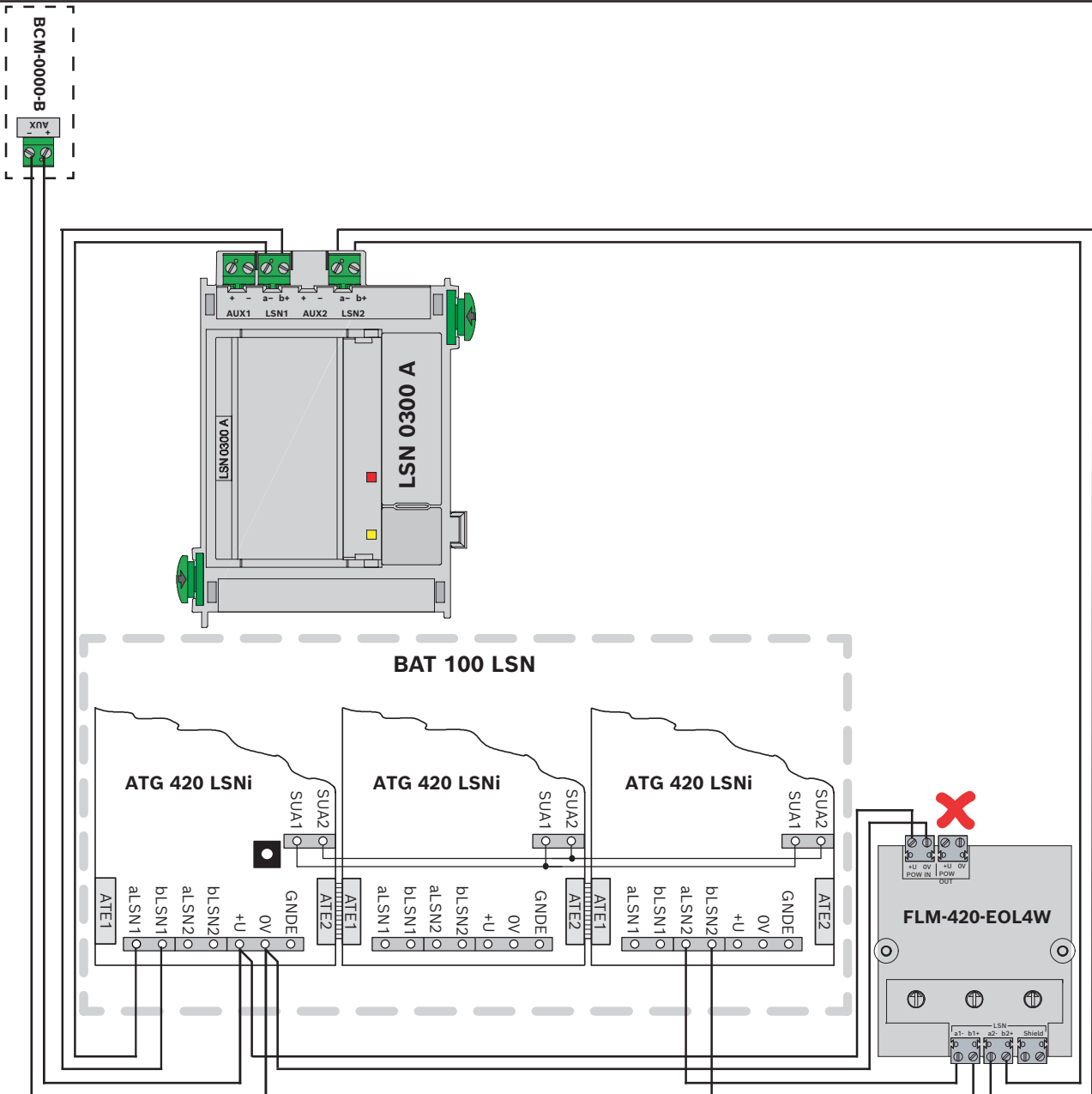




BAT 100 LSN
ATG 420 LSNi



ELS

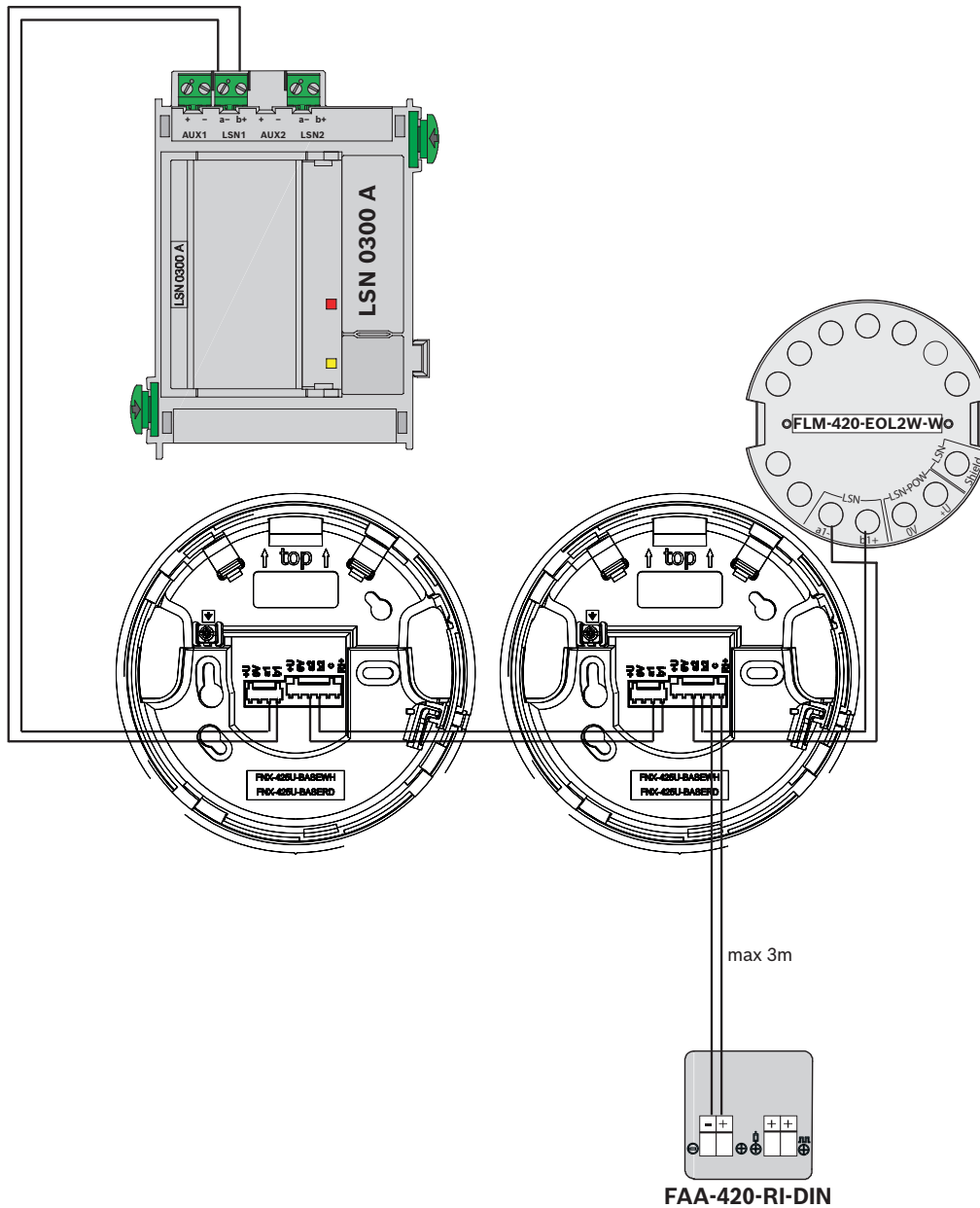




FNX-425U-WFWH
FNX-425U-RFWH
FNX-425U-WFRD
FNX-425U-RFRD



ELS



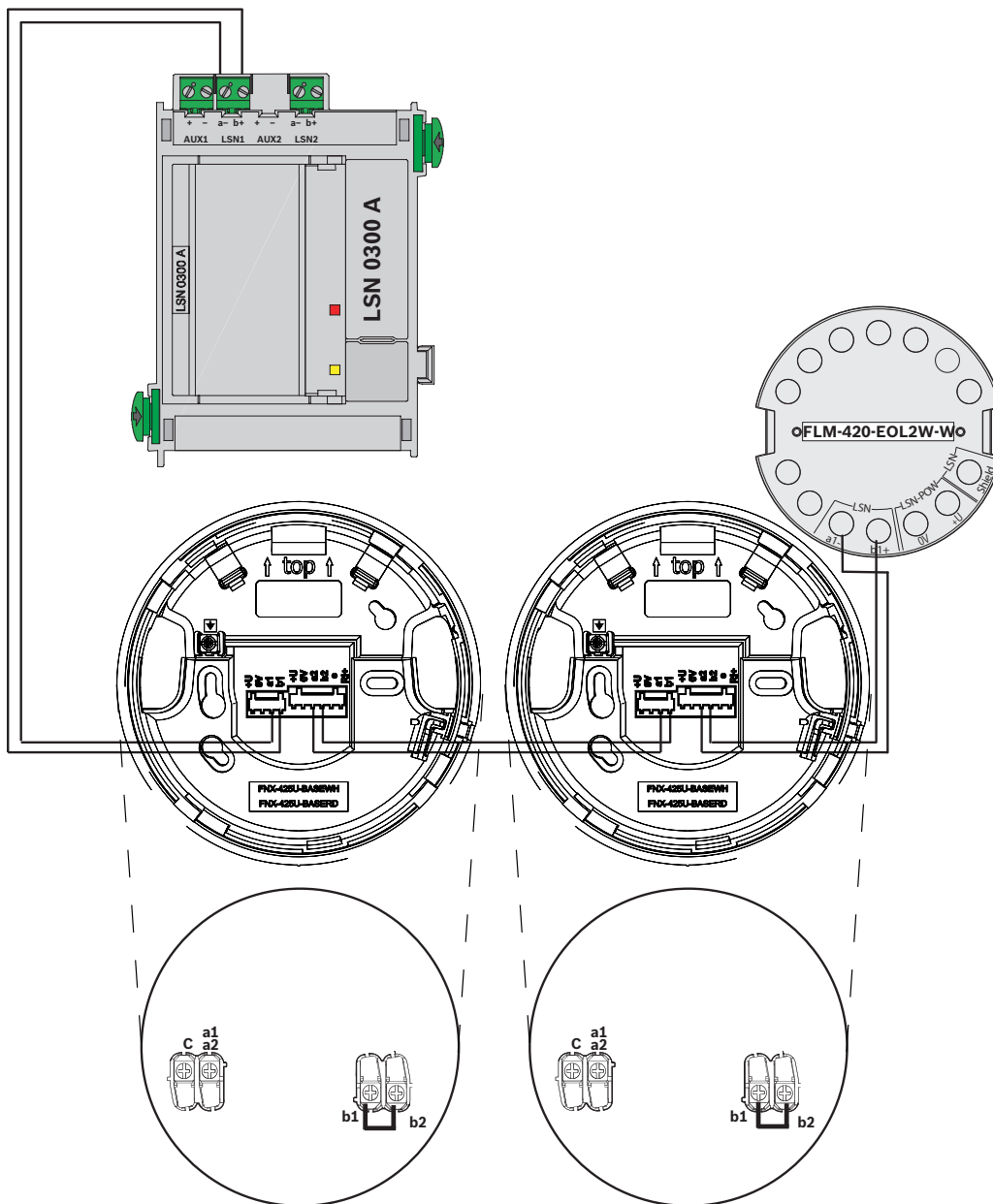


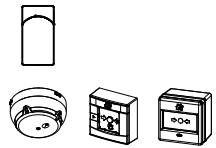
FNX-425U-WFWH
FNX-425U-RFWH
FNX-425U-WFRD
FNX-425U-RFRD

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



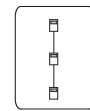
ELS



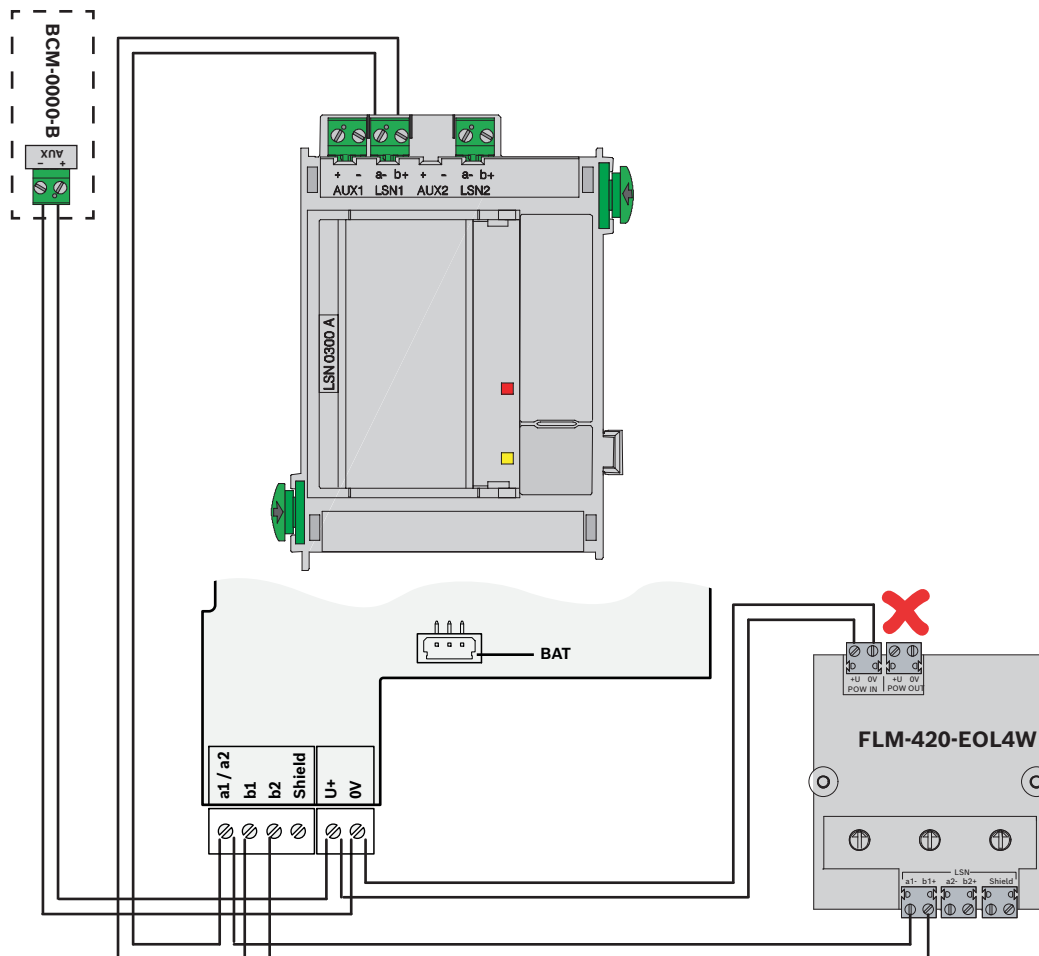


FWI-270

FDOOT271-O
FDM275-O
FDM273-O



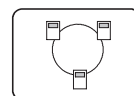
ELS



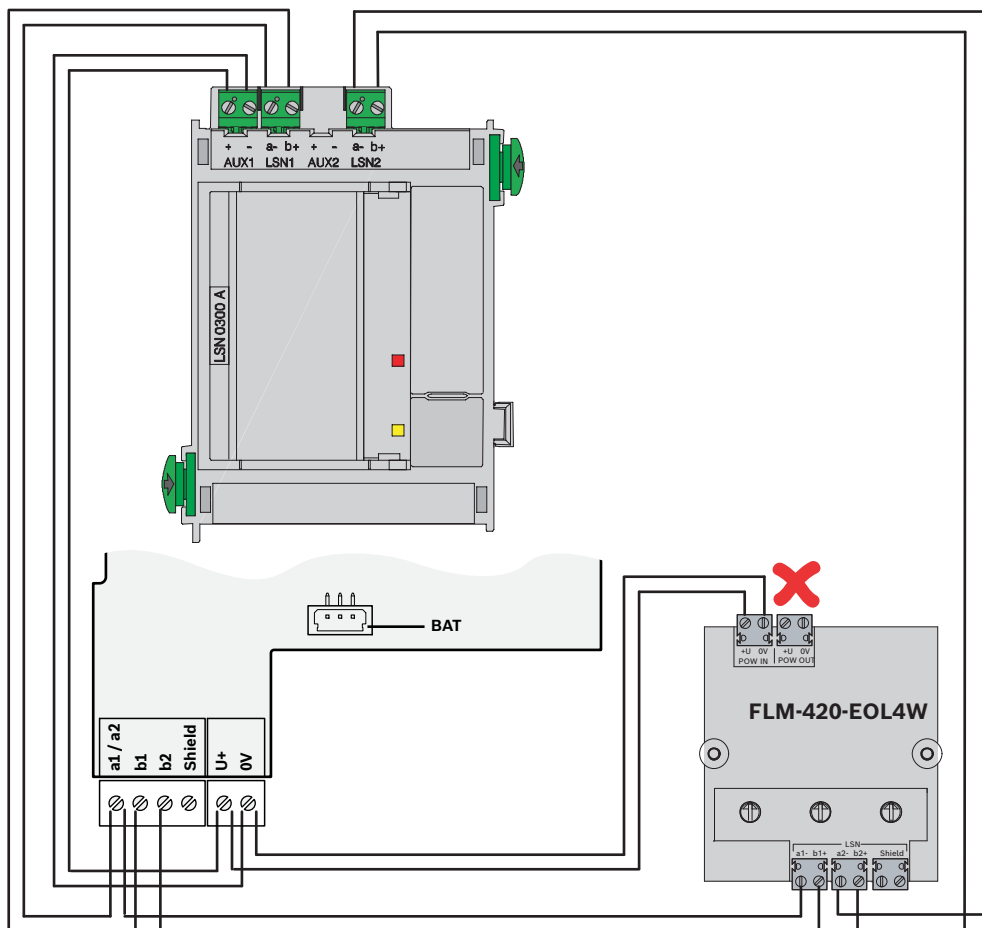


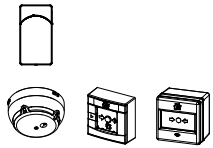
FWI-270

FDOOT271-O
FDM275-O
FDM273-O



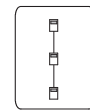
ELS



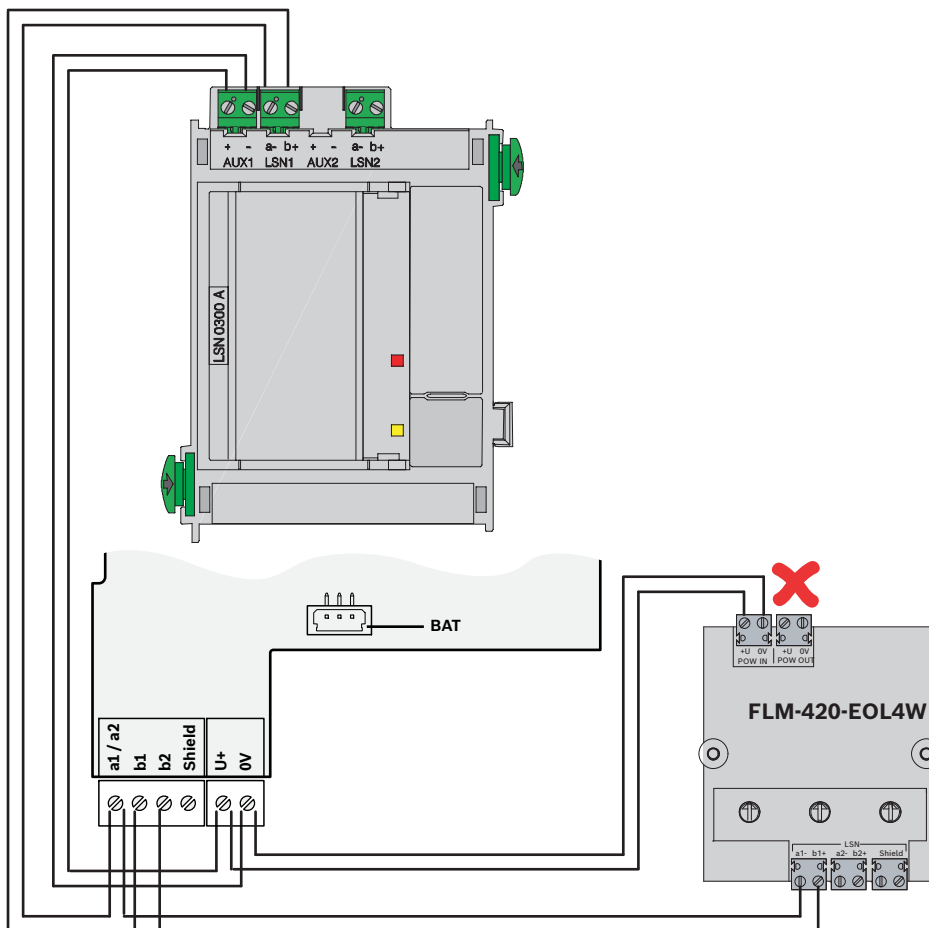


FWI-270

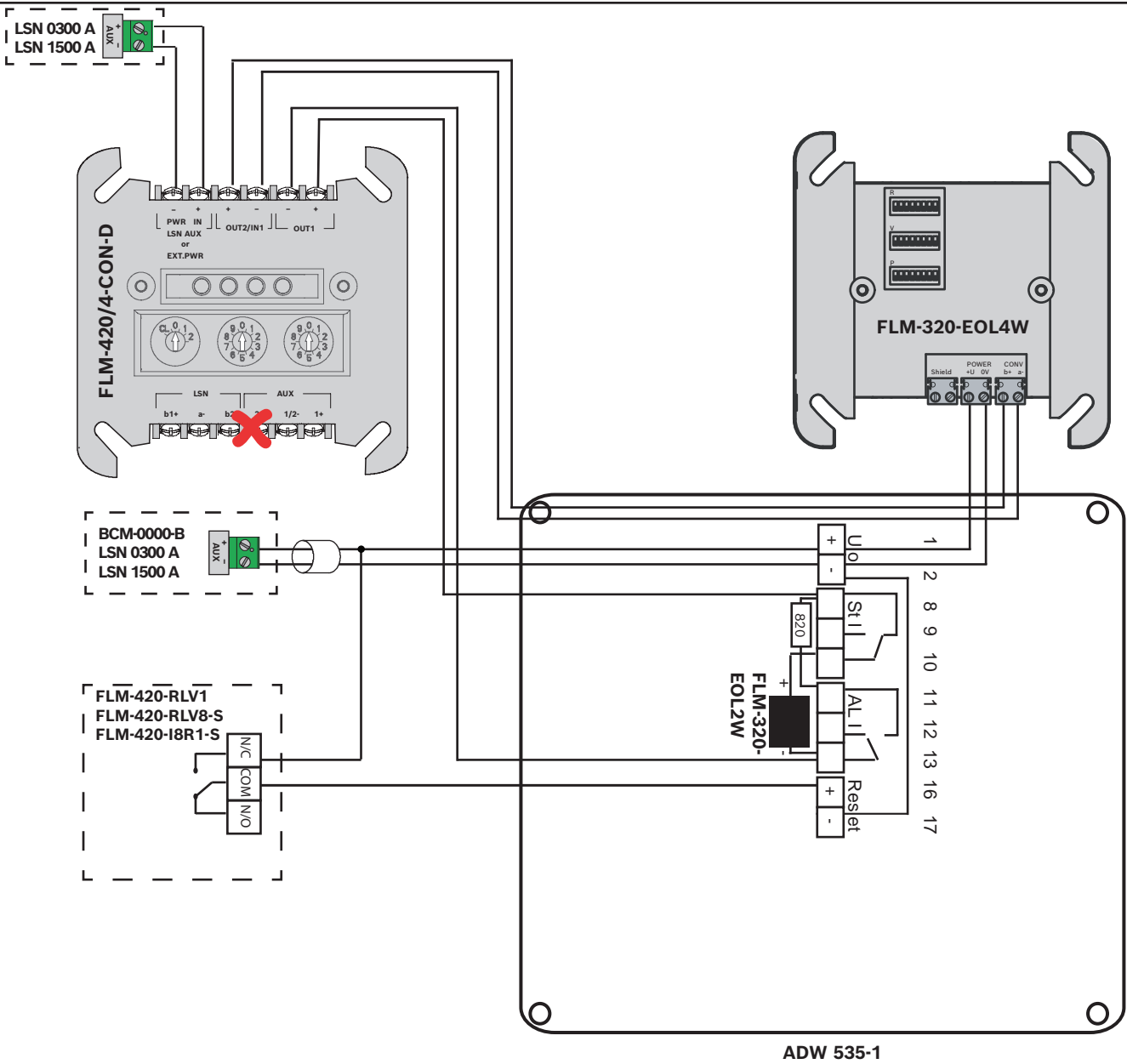
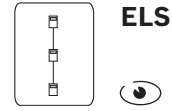
FDOOT271-O
FDM275-O
FDM273-O

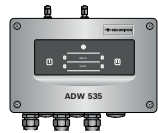


ELS

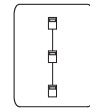


2.6.3 FLM-420/4-CON-S/D

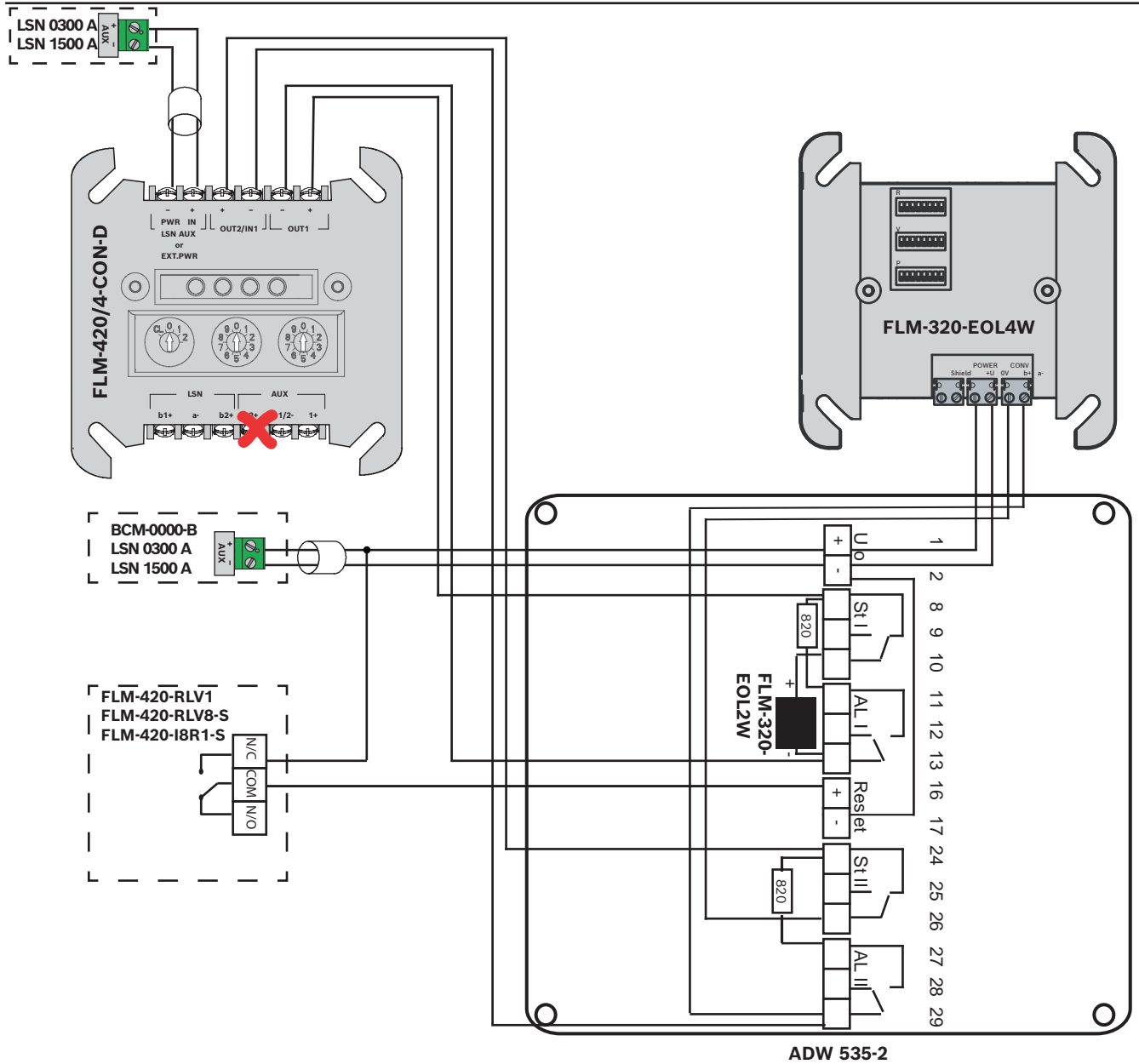


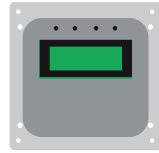


ADW 535-2



ELS

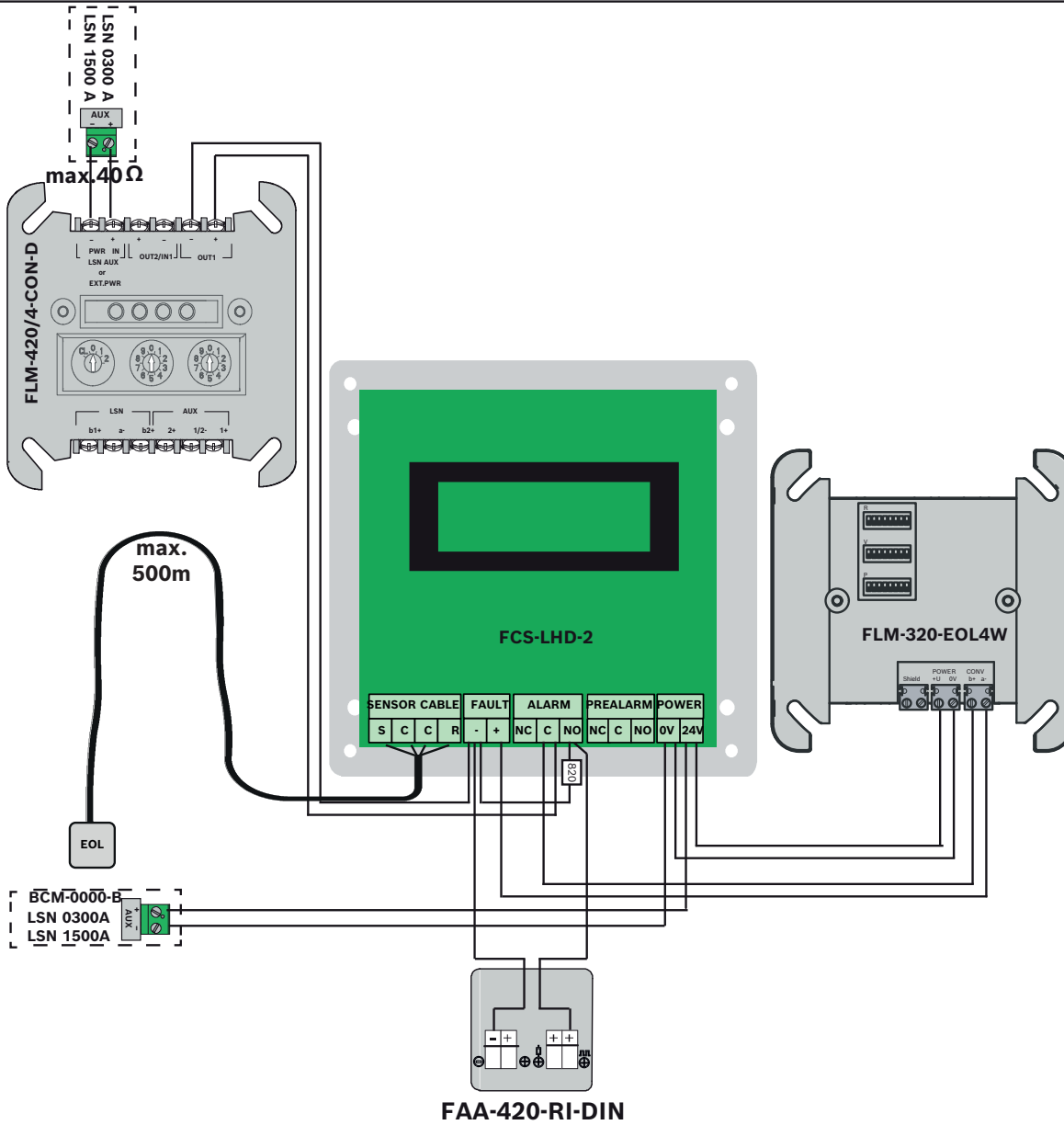




ALARMLINE II

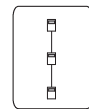


ELS

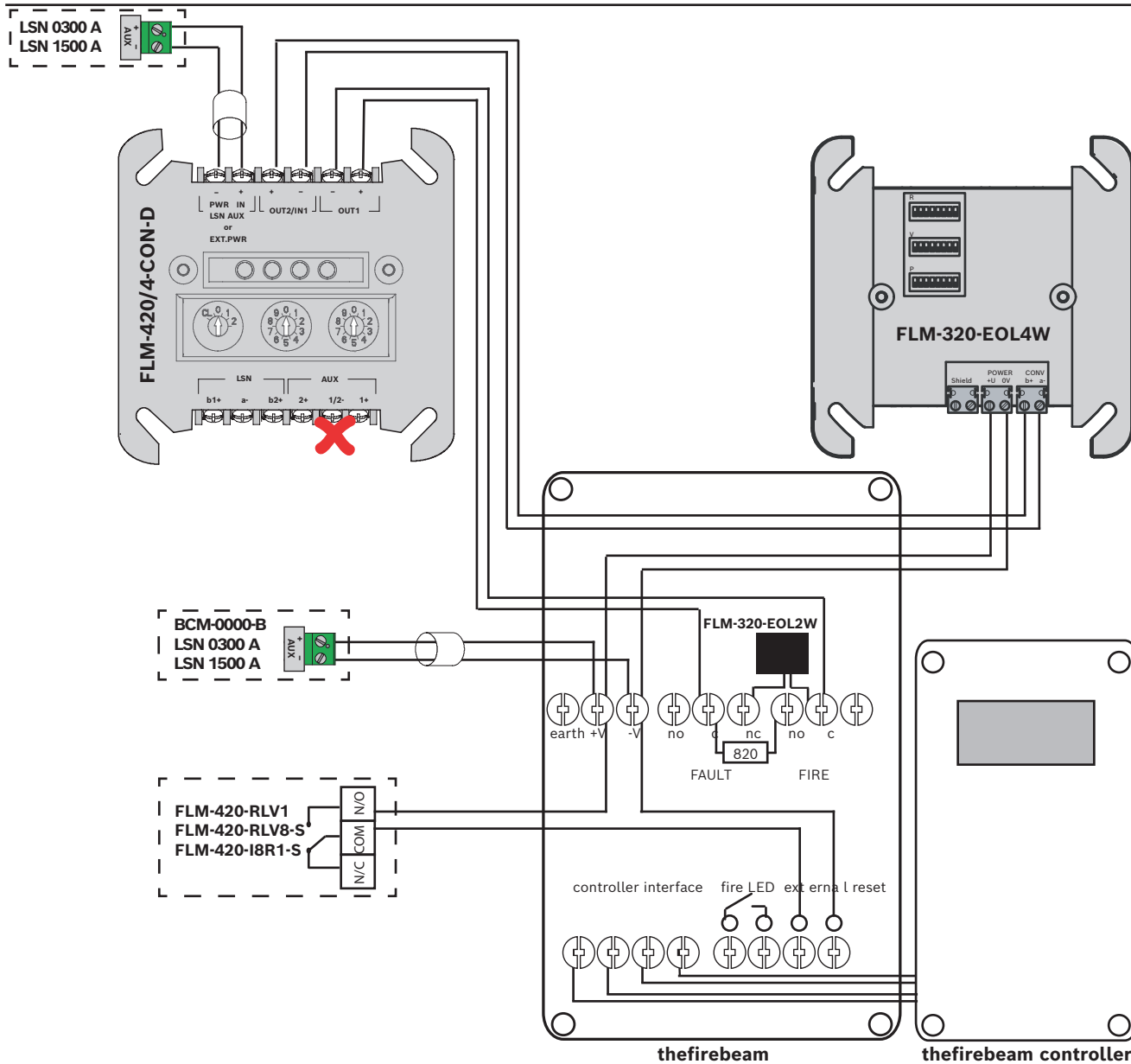


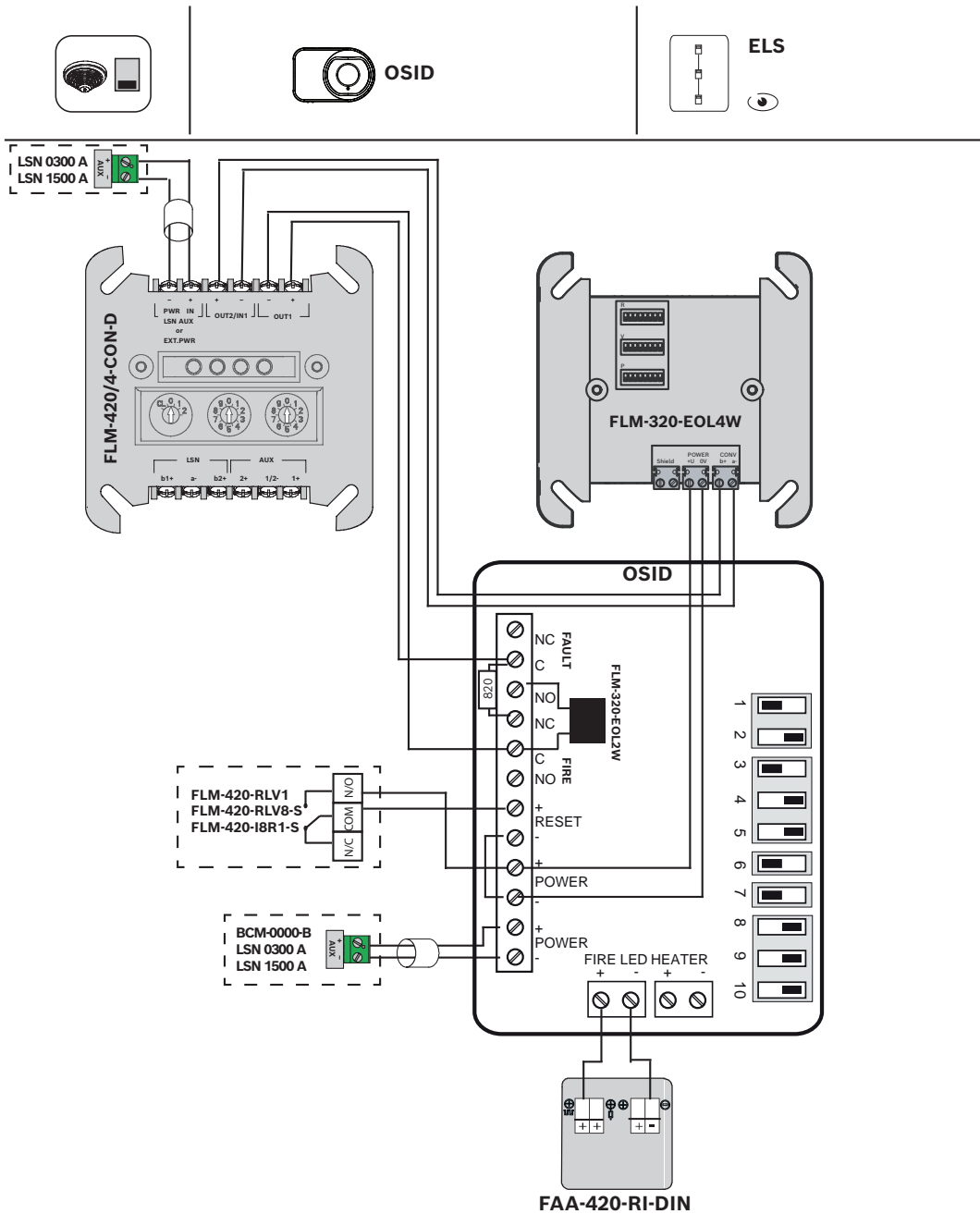


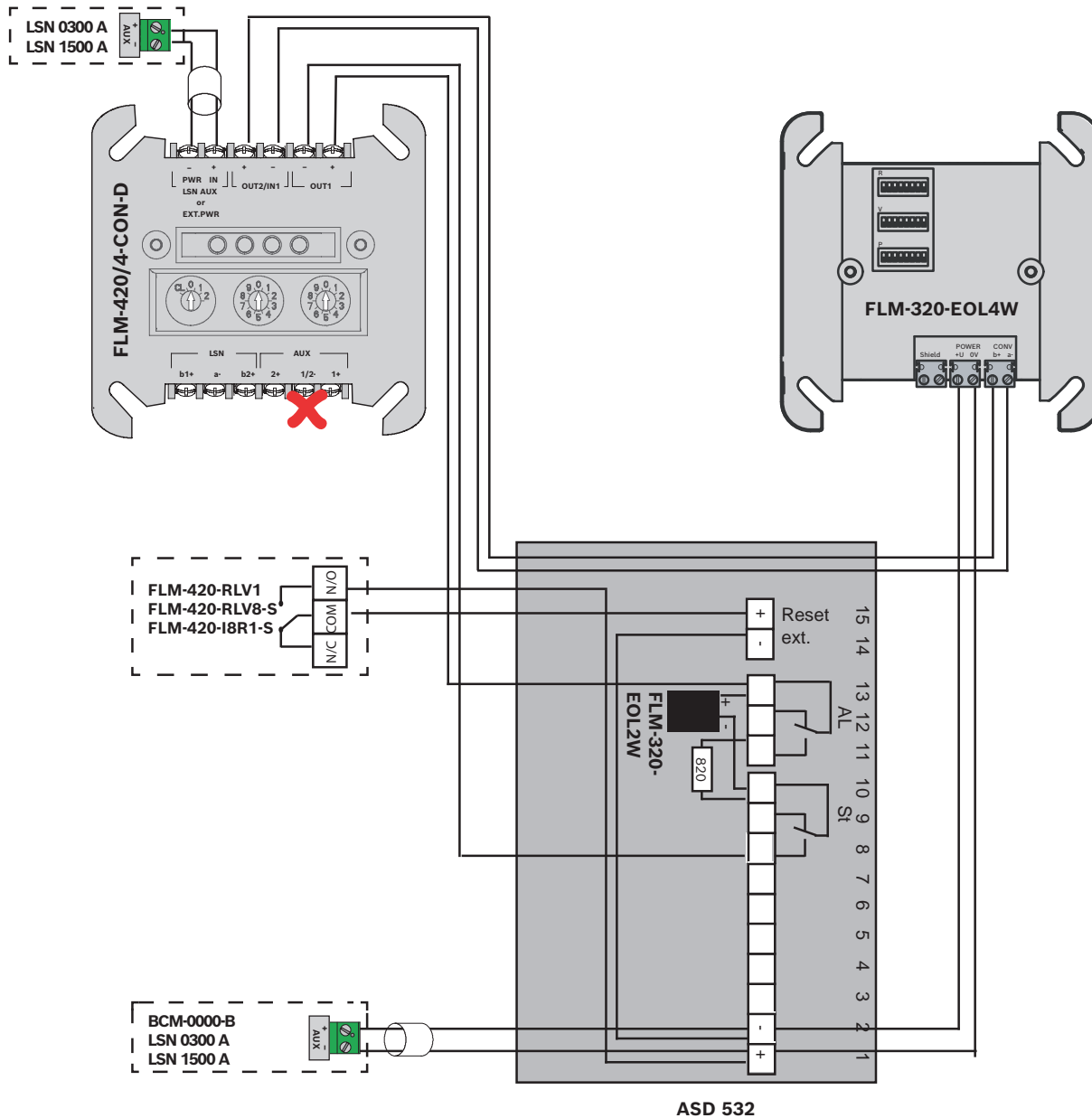
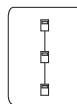
thefirebeam nano
thefirebeam standard
thefirebeam foveo

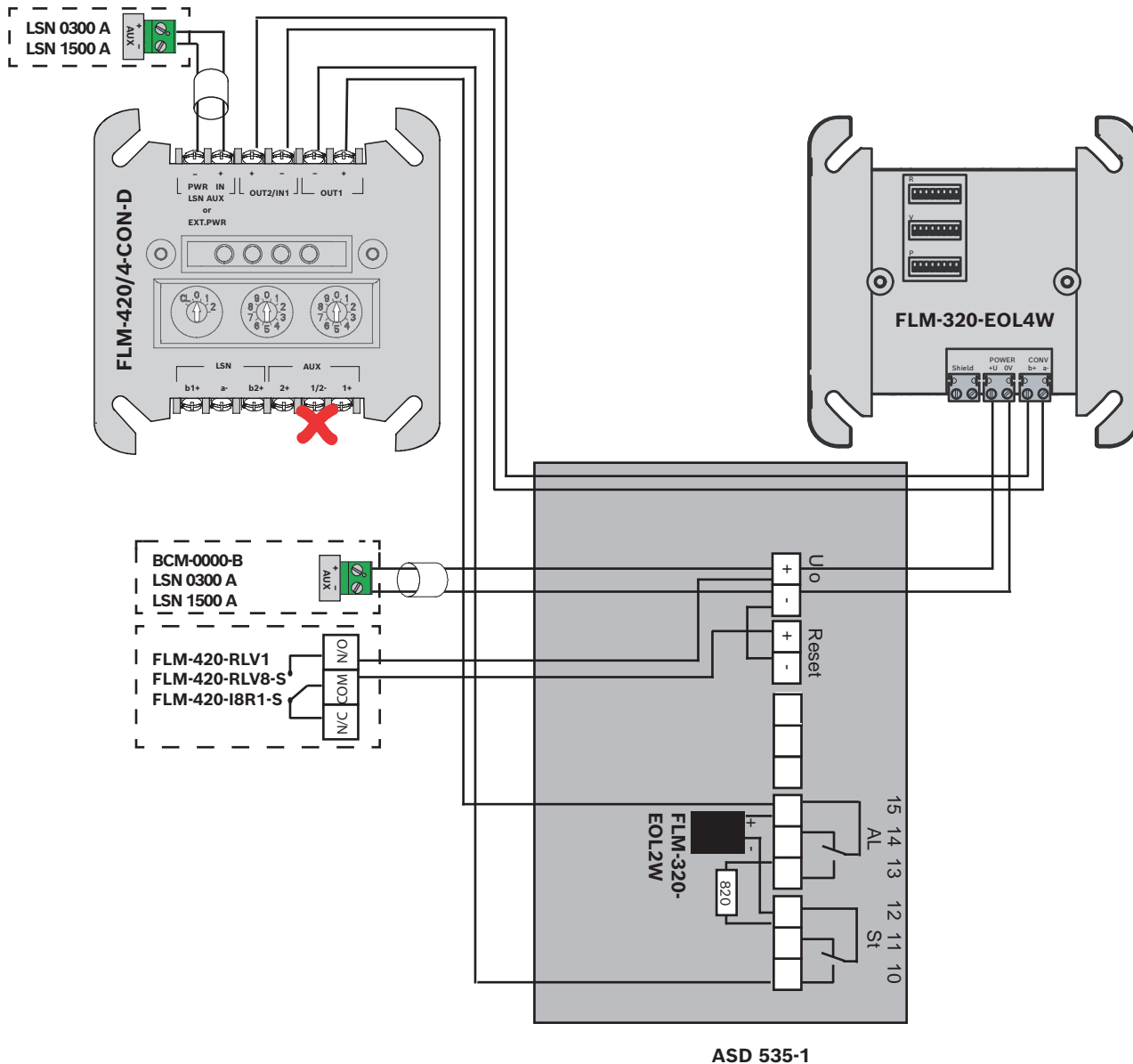
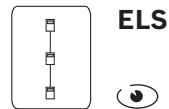


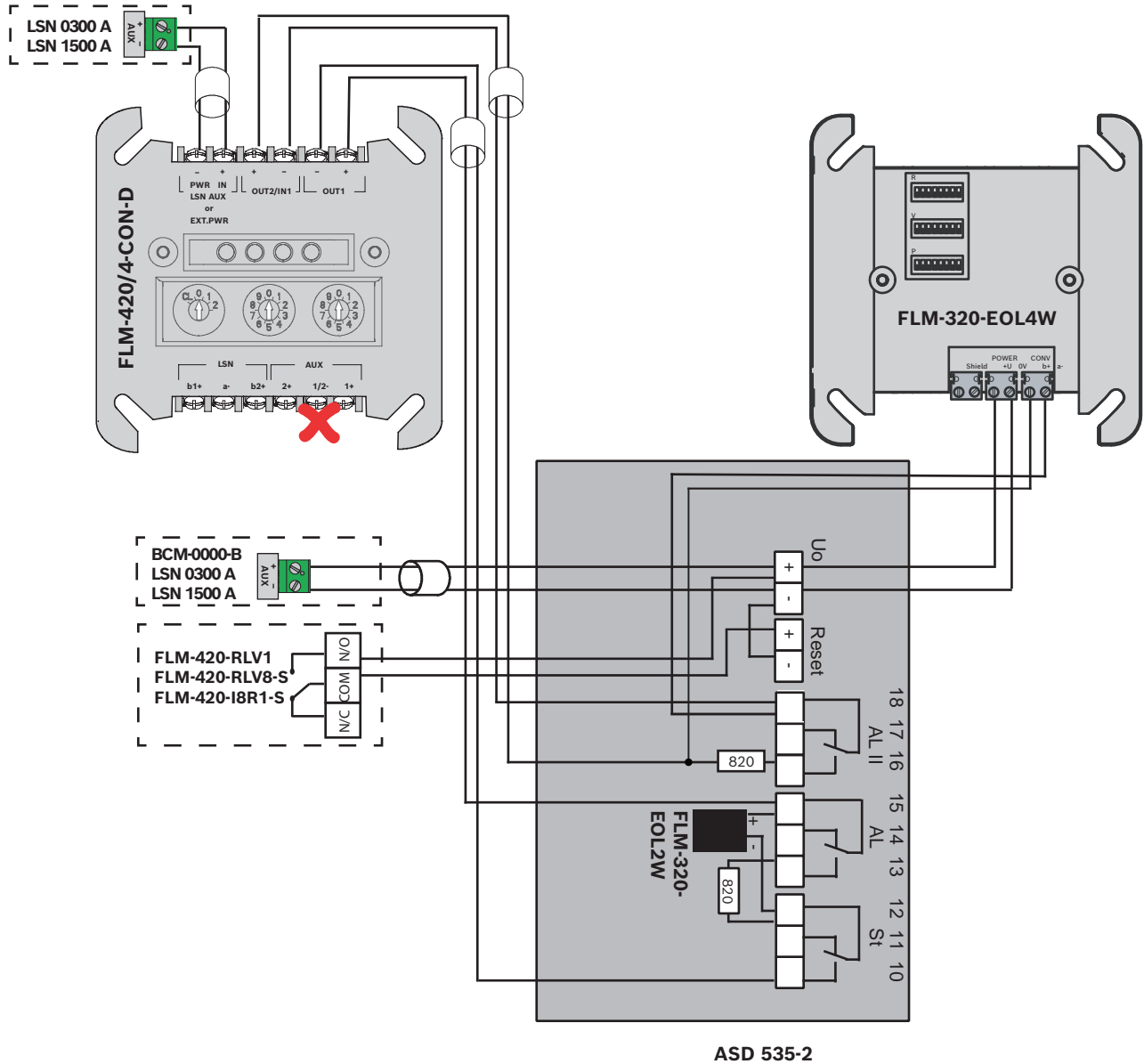
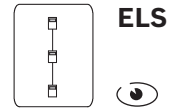
ELS





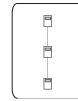






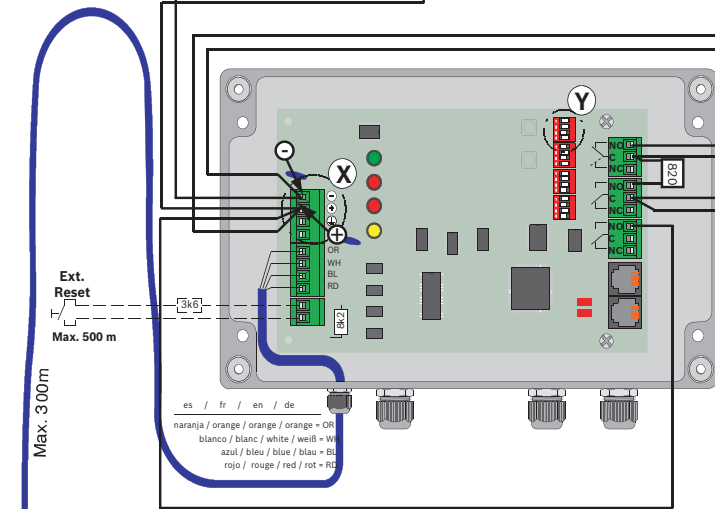
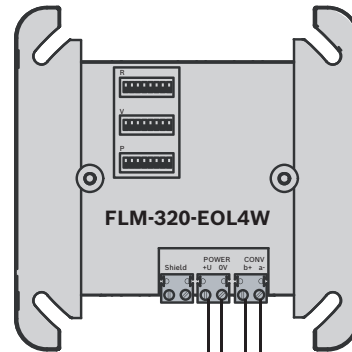
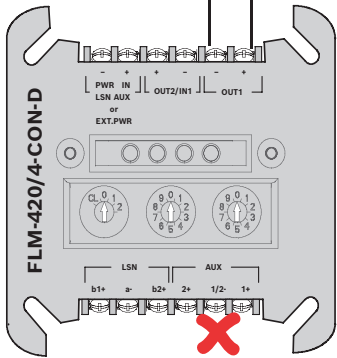


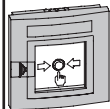
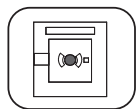
FCS-LWM-1



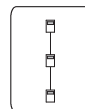
ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A

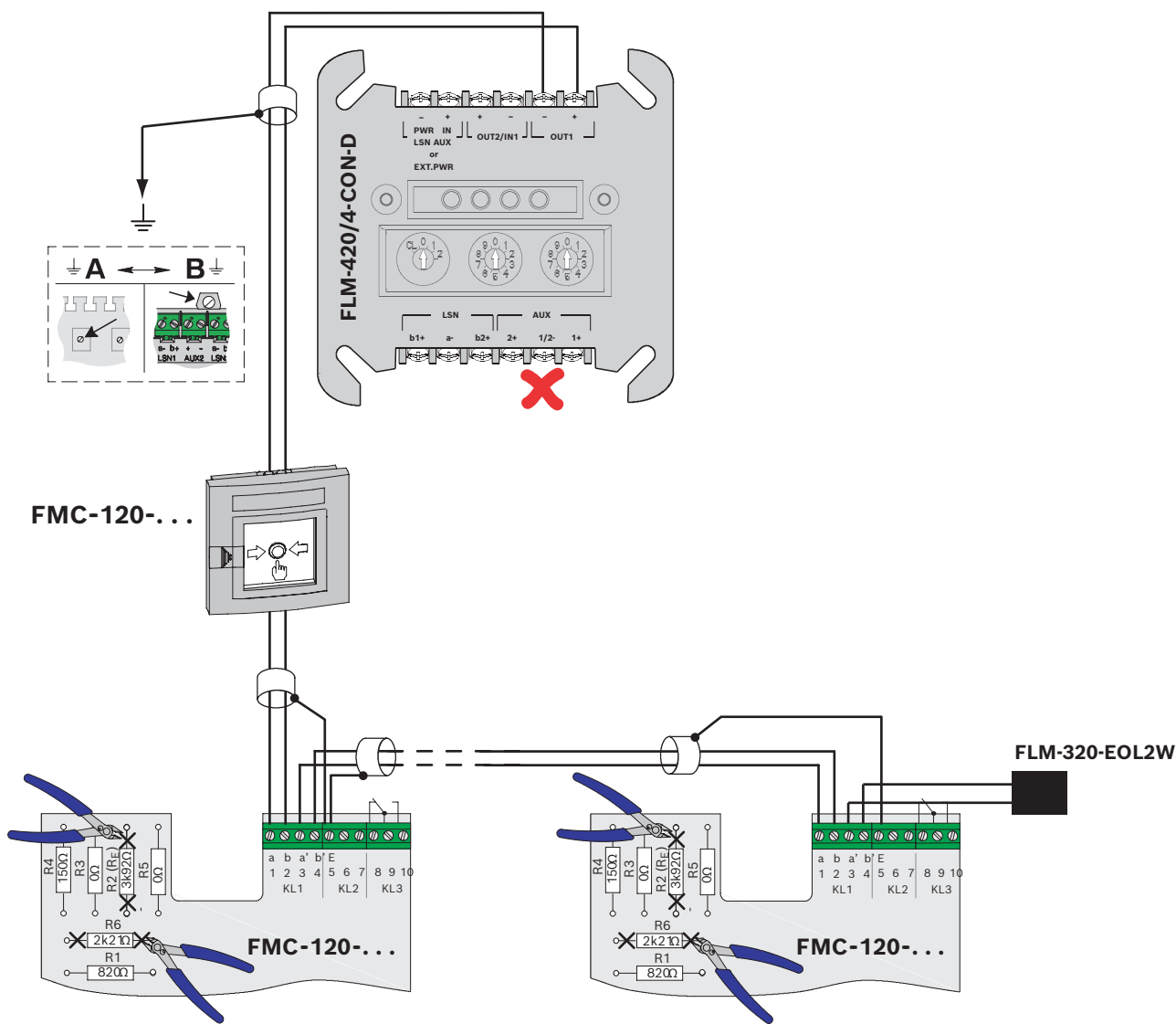


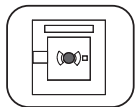


FMC-120-DKM-G-R FMC-120-DKM-G-Y
 FMC-120-DKM-H-R FMC-120-EST-G-B
 FMC-120-DKM-G-B
 FMC-120-DKM-H-B

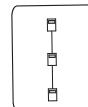


ELS

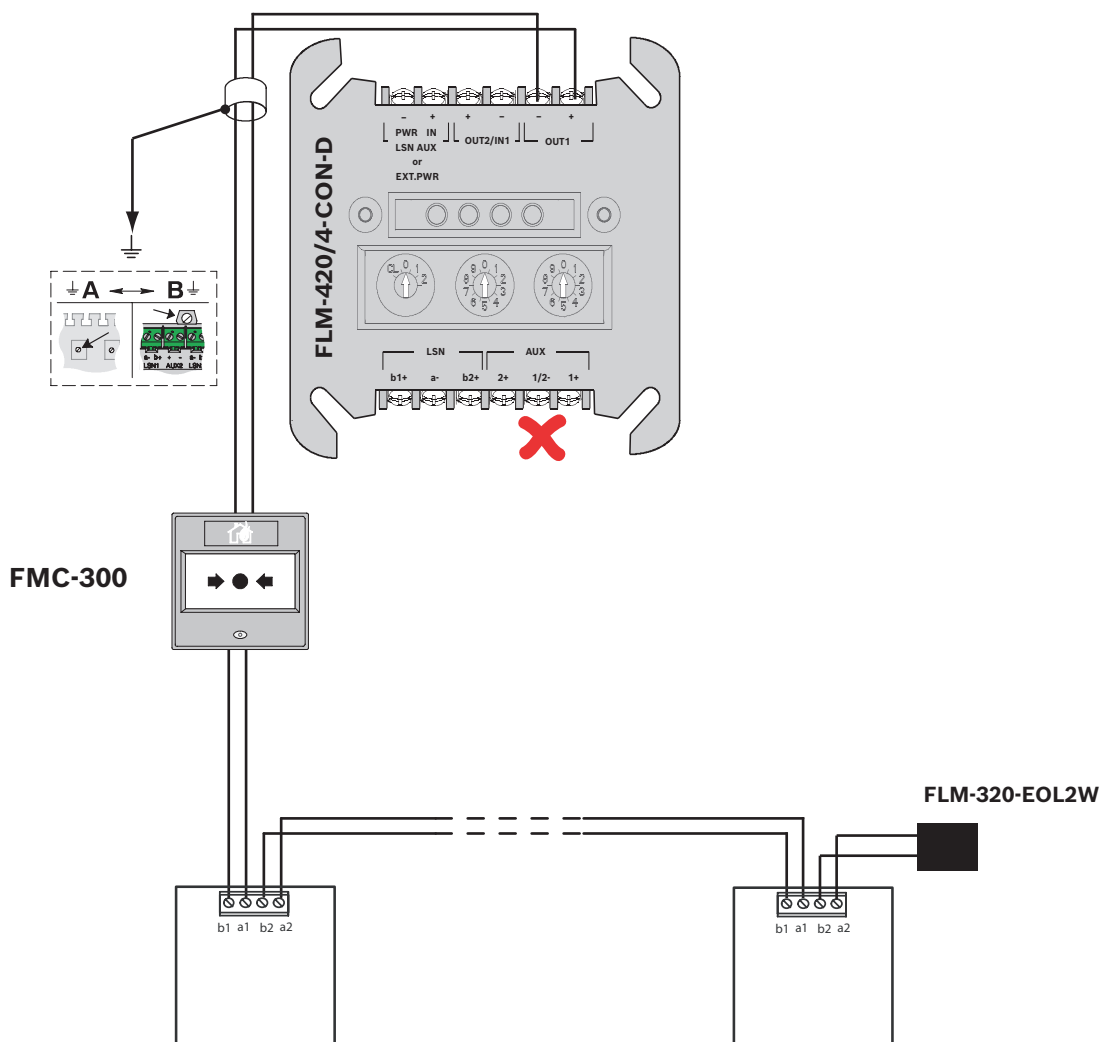




FMC-300



ELS

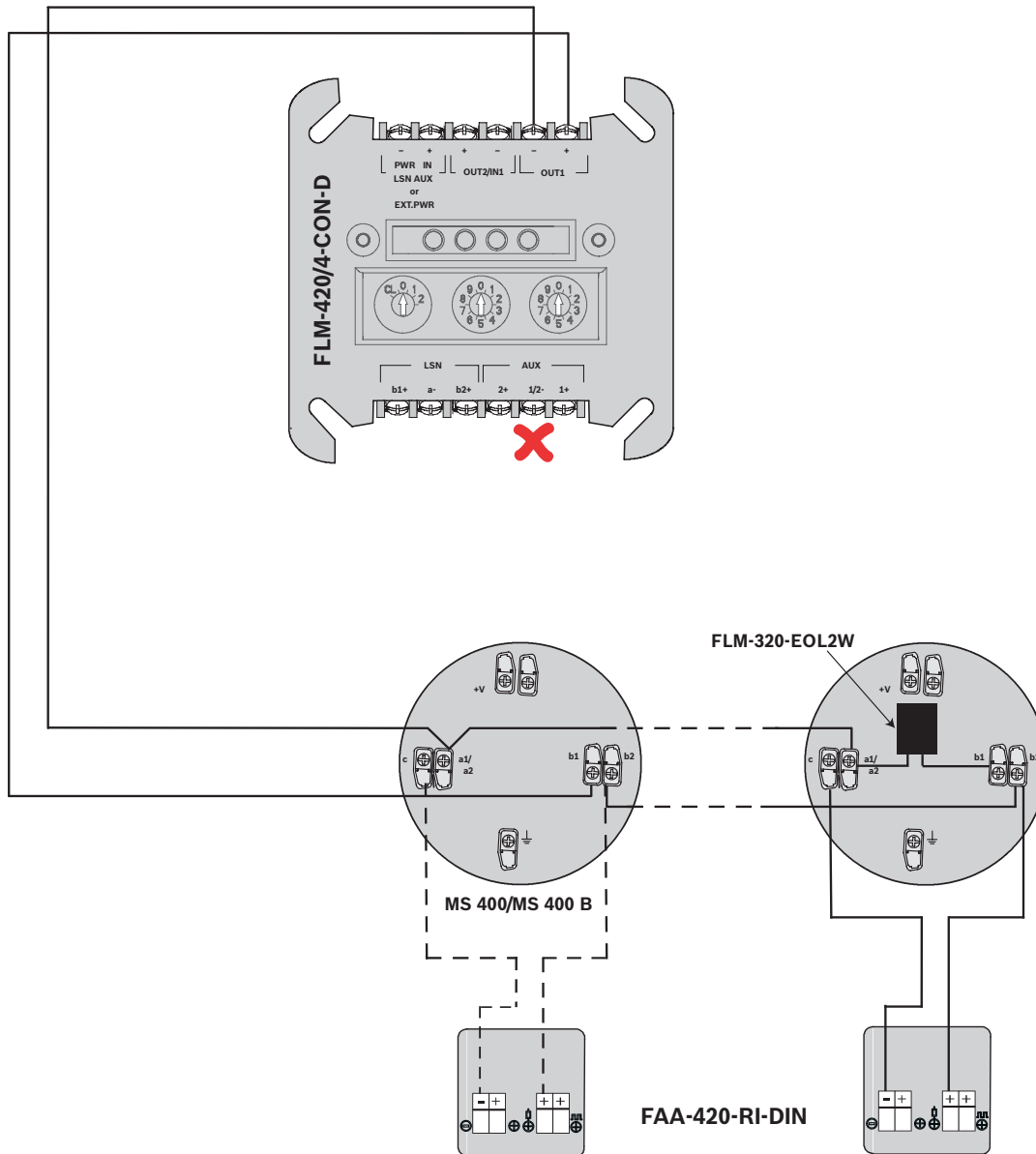




MSS 400, MSS 400 B
 FCH-320-T320
 FCH-T320-R470, FCH-T320-FSA
 FCP-O320, FCP-O320-R470
 FCP-OC320, FCP-OC320-R470
 FCP-OT320, FCP-OT320-R470



ELS

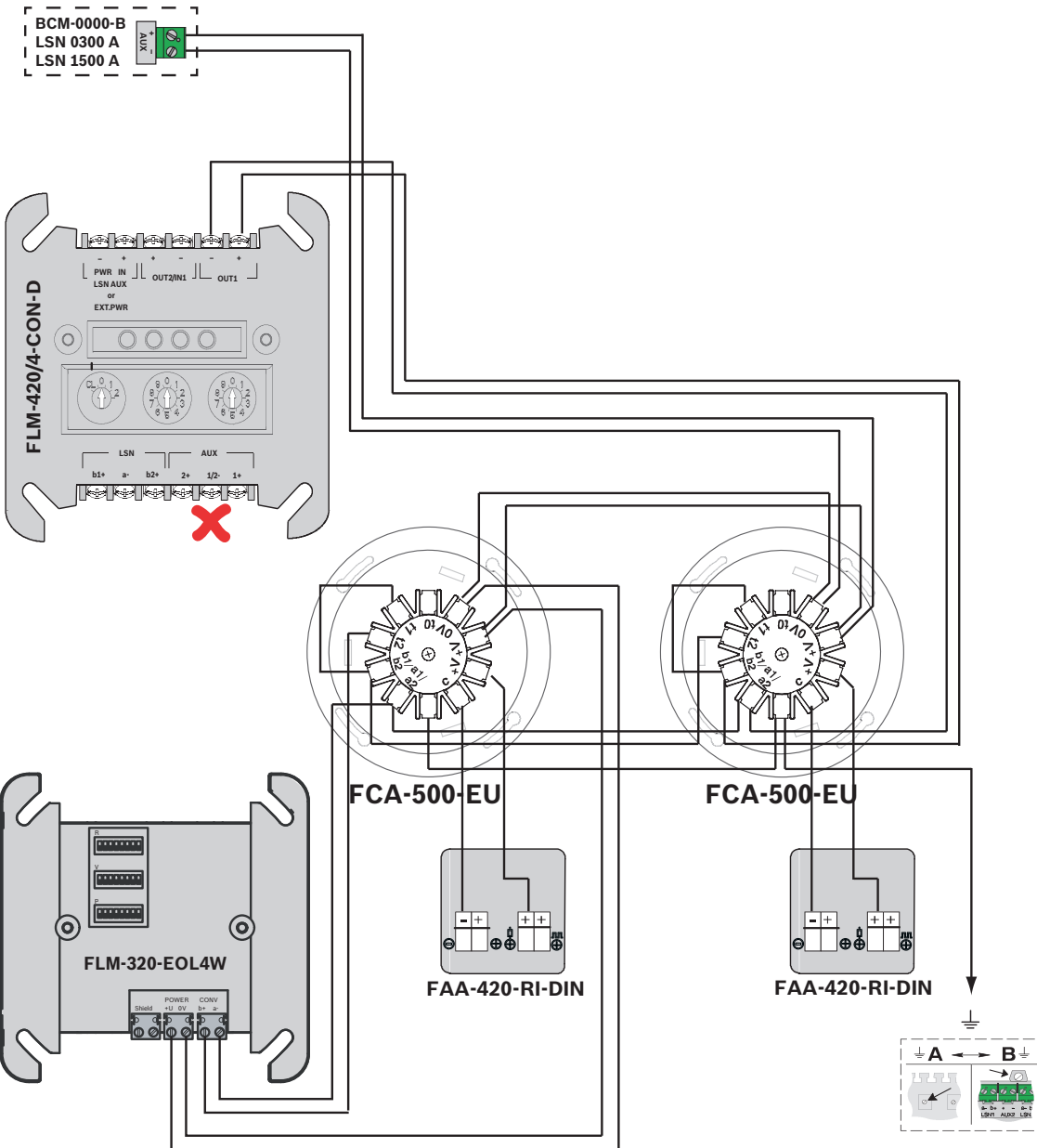


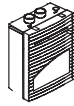


FCP-500

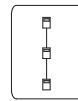


ELS

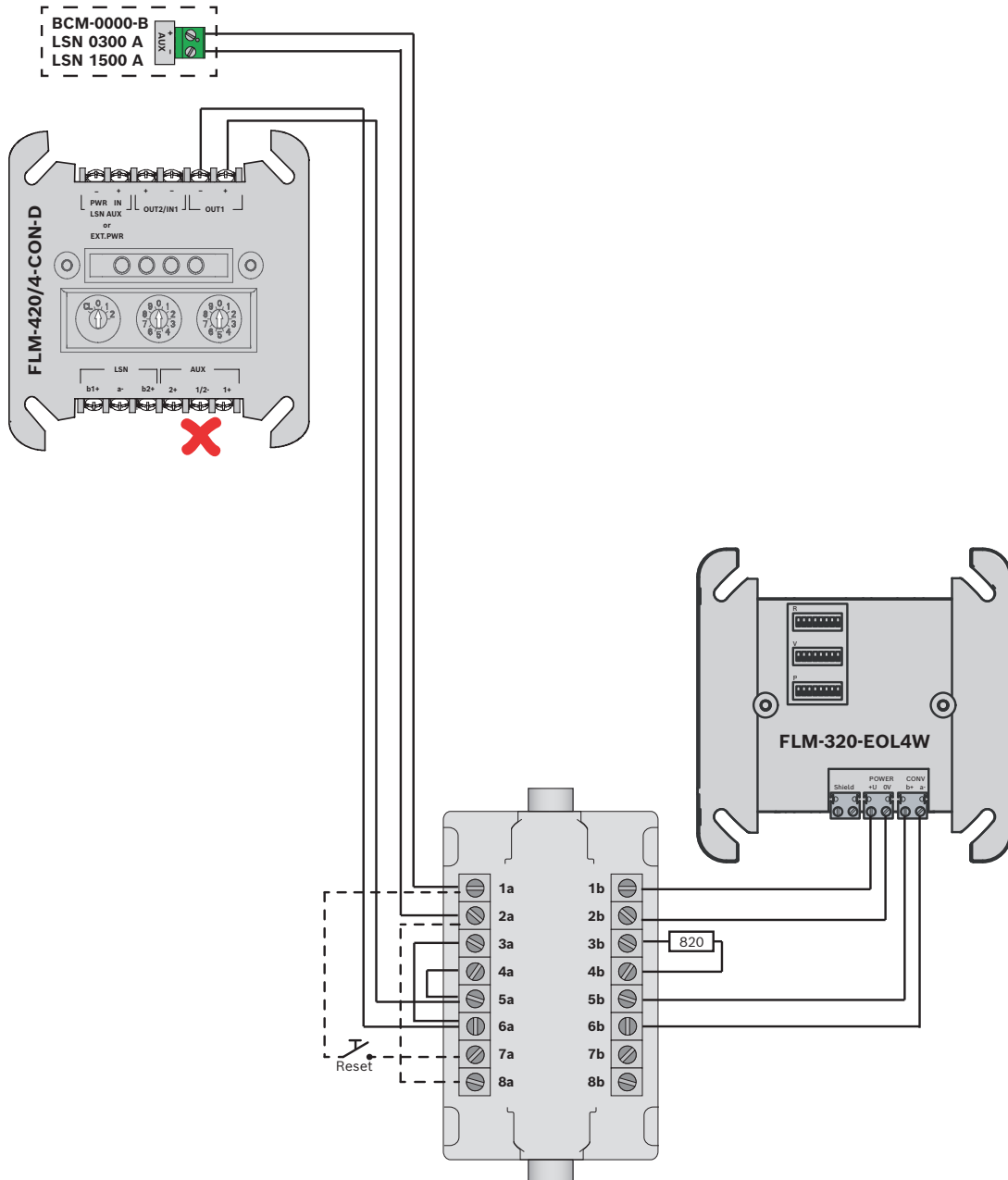


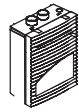


FCS-320-TM Series

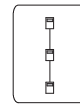


ELS



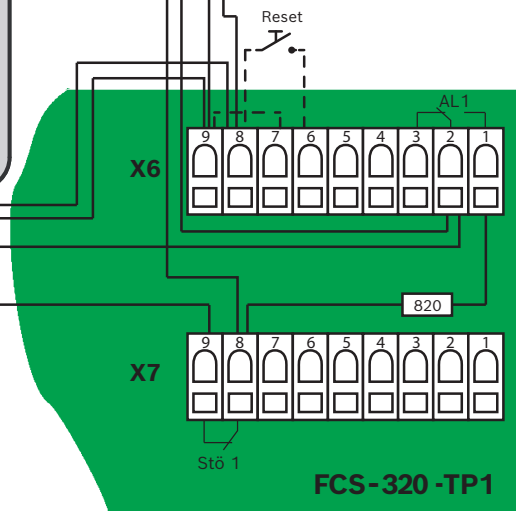
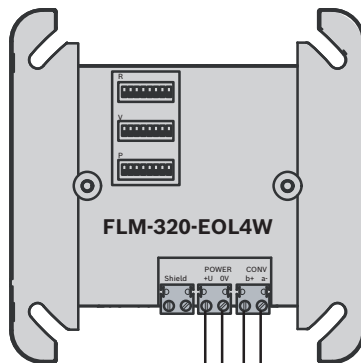
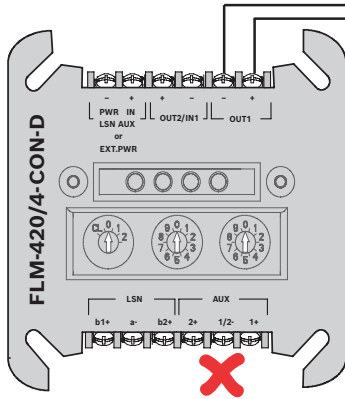


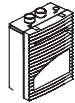
FCS-320-TP Series



ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A



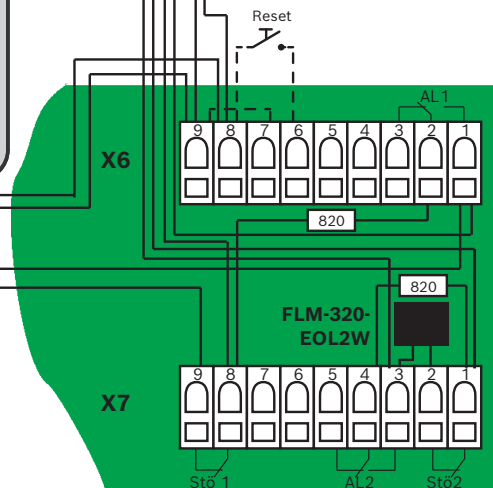
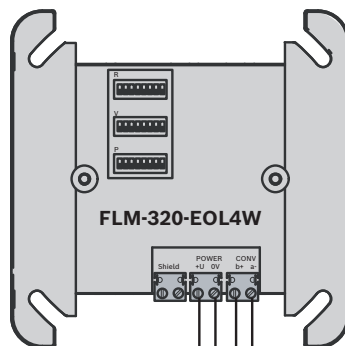
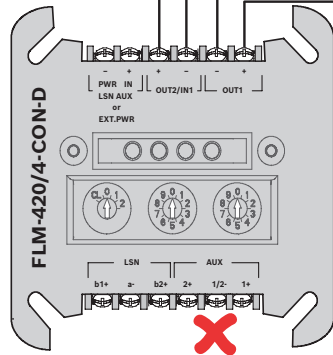


FCS-320-TP Series

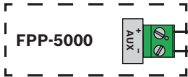
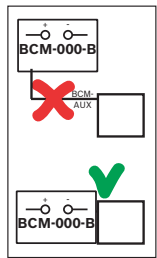
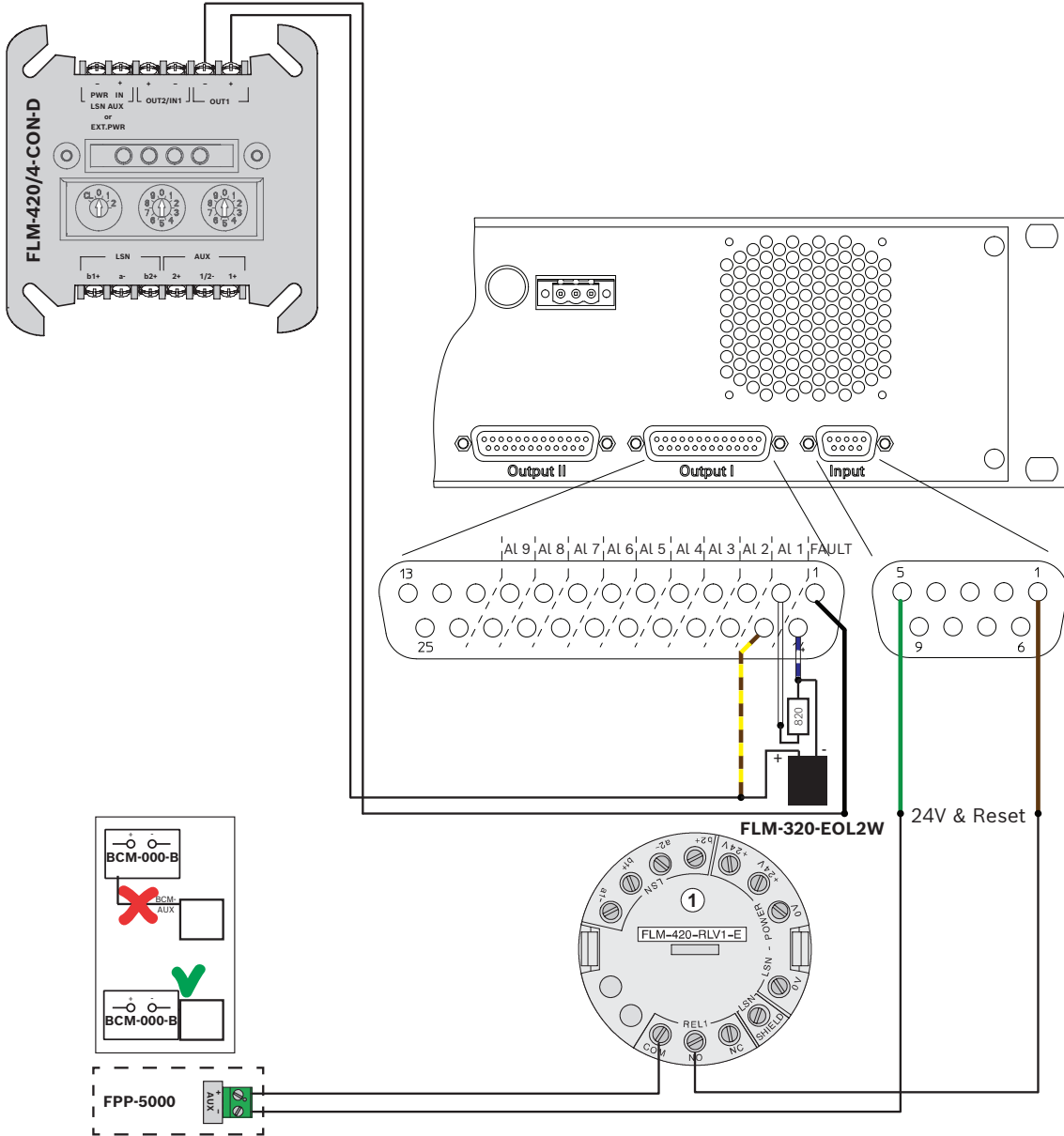
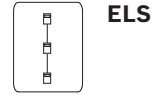


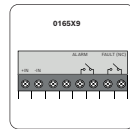
ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A

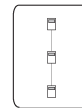


FCS-320-TP2

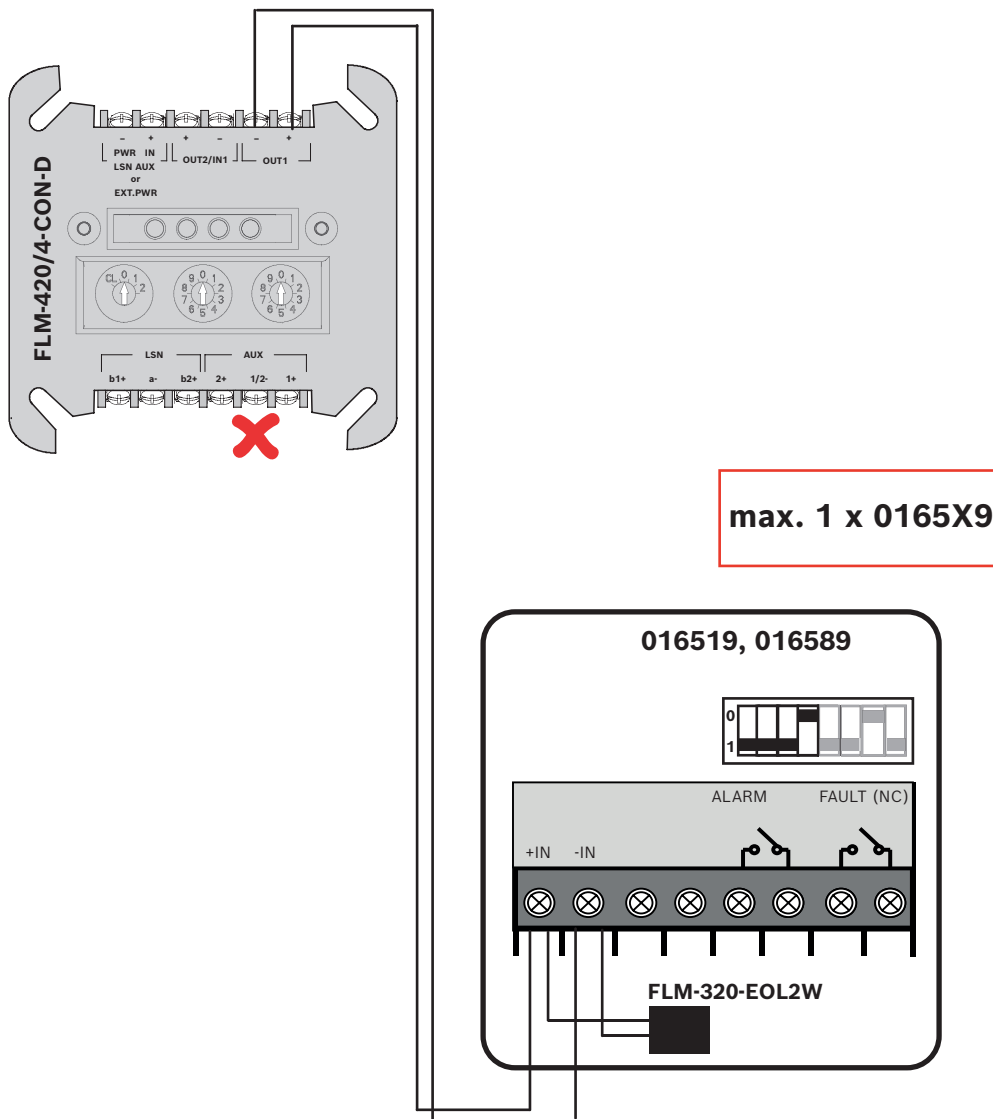


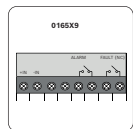


016519, 016589
IR3 Flame Detector

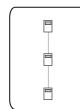


ELS

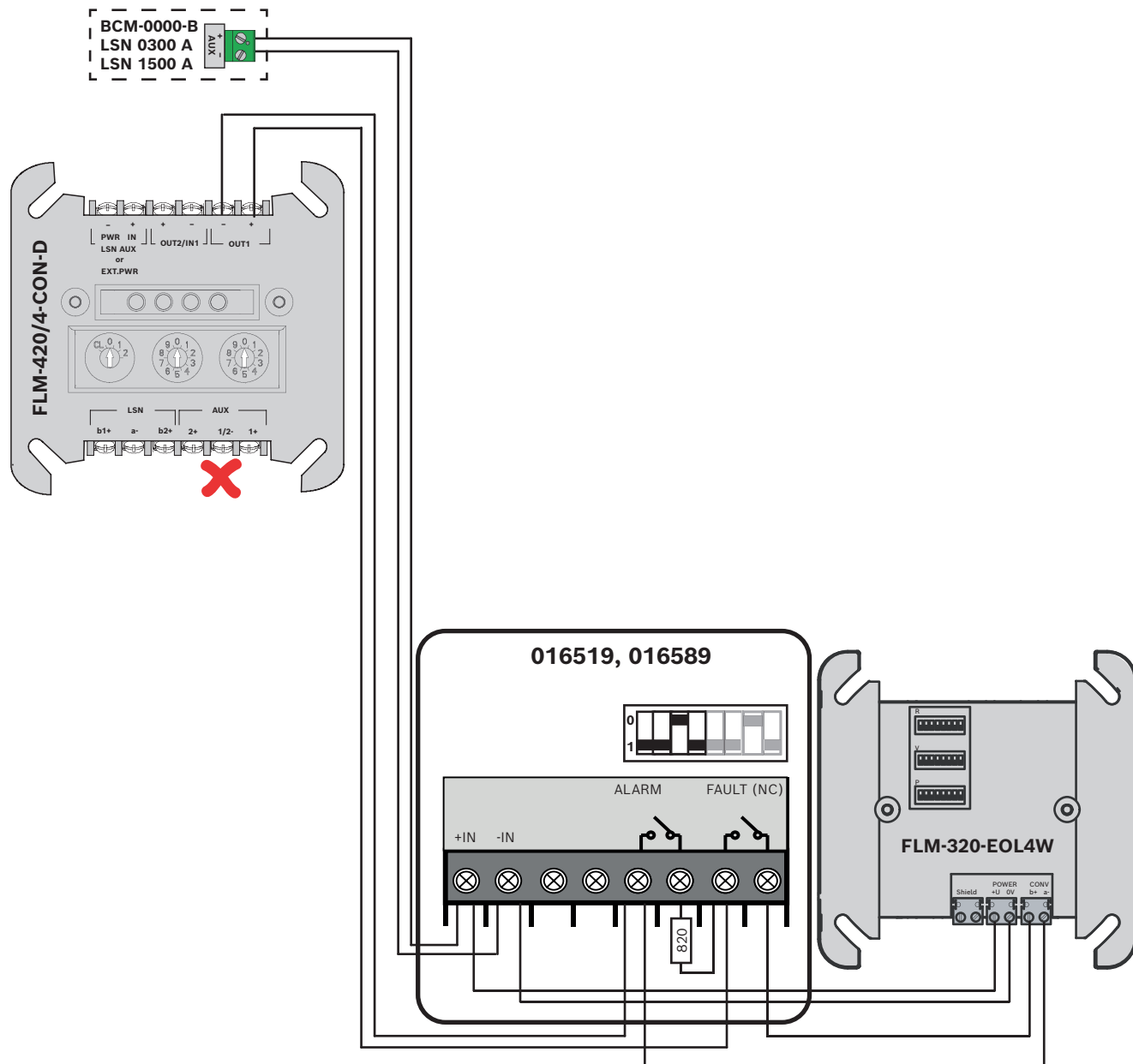




016519, 016589
IR3 Flame Detector

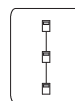


ELS

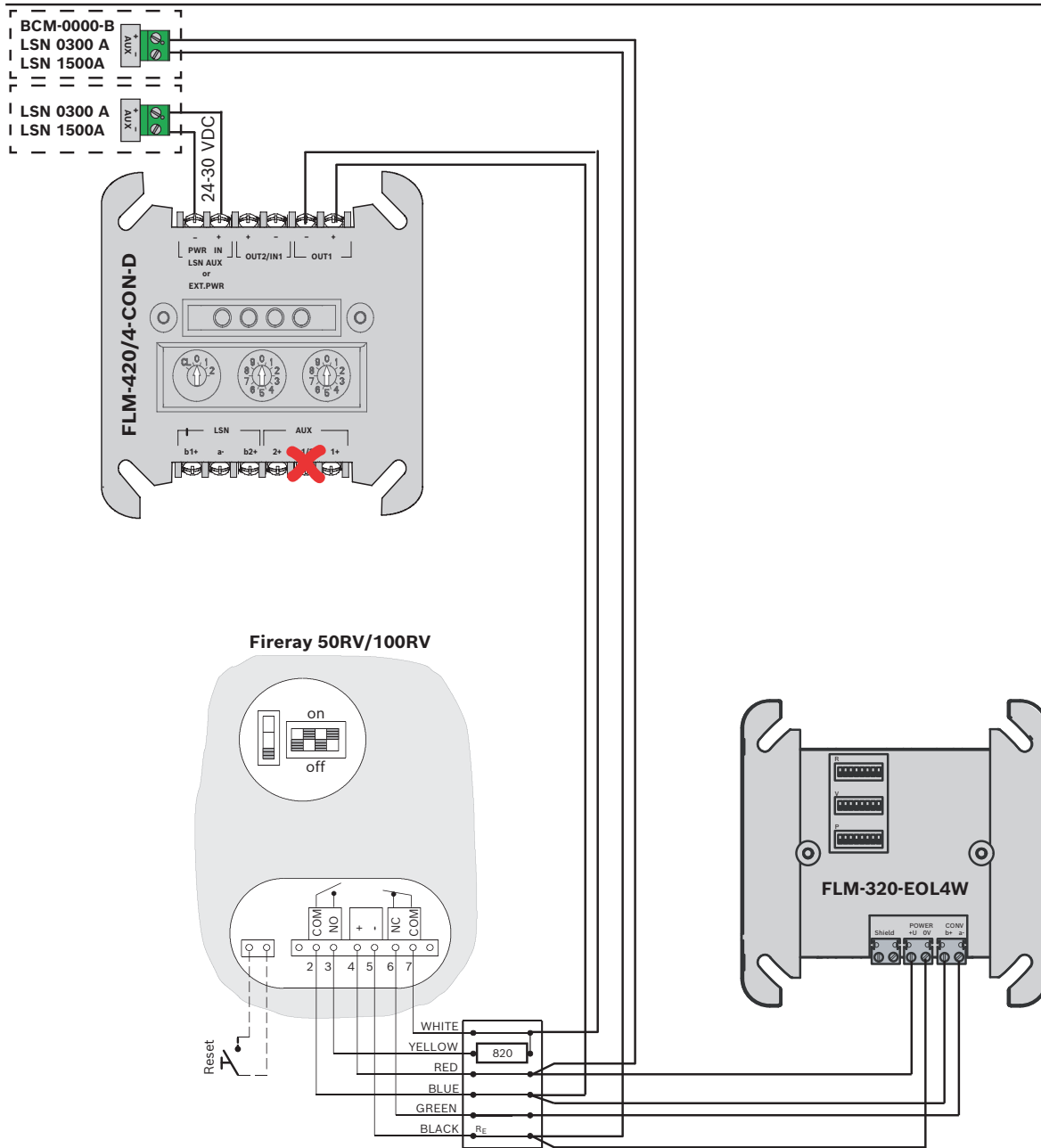


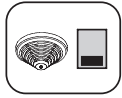


**Fireray 50RV
Fireray 100RV**



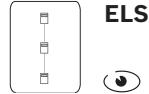
ELS



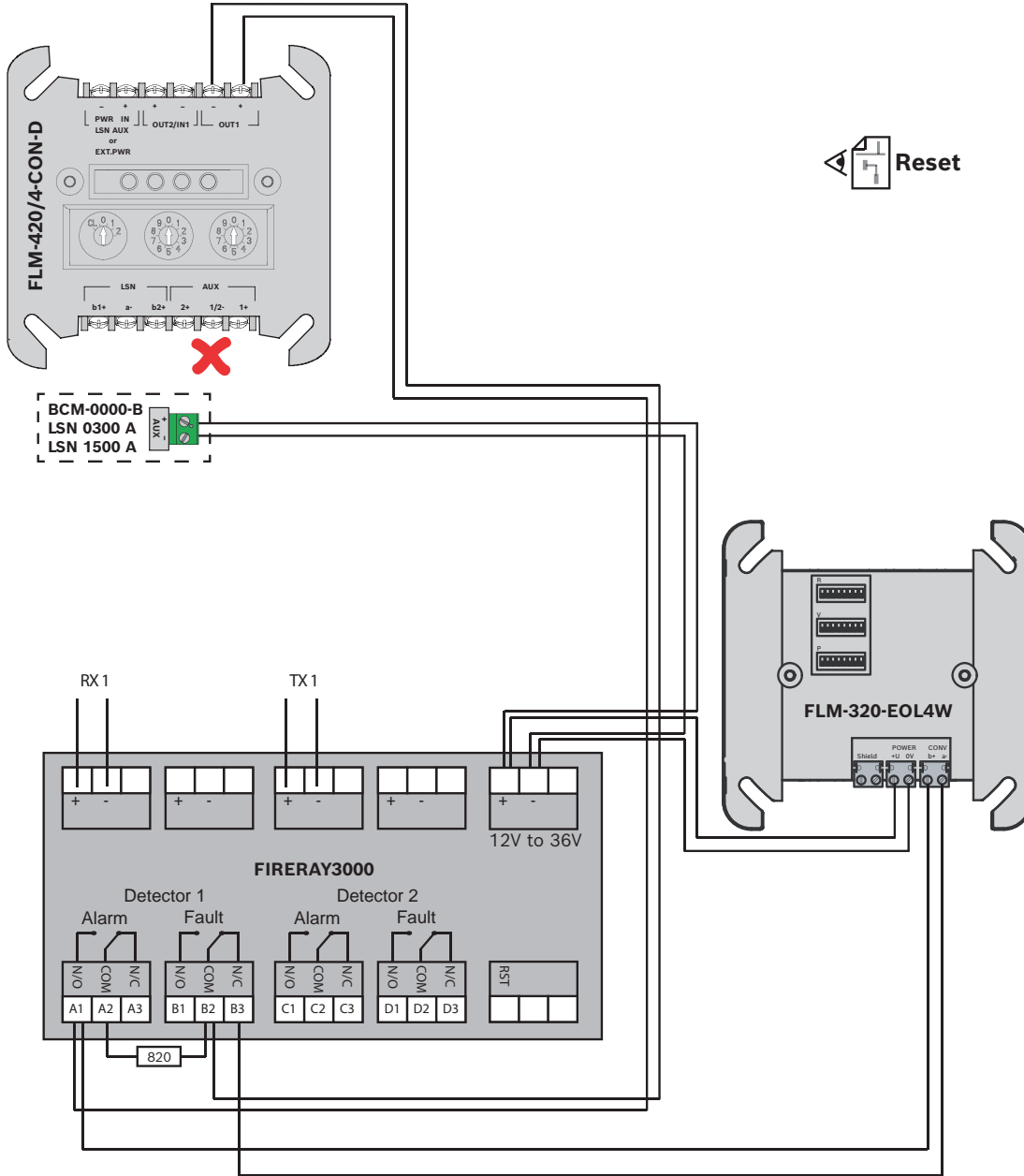


FIRERAY3000

1 x



ELS

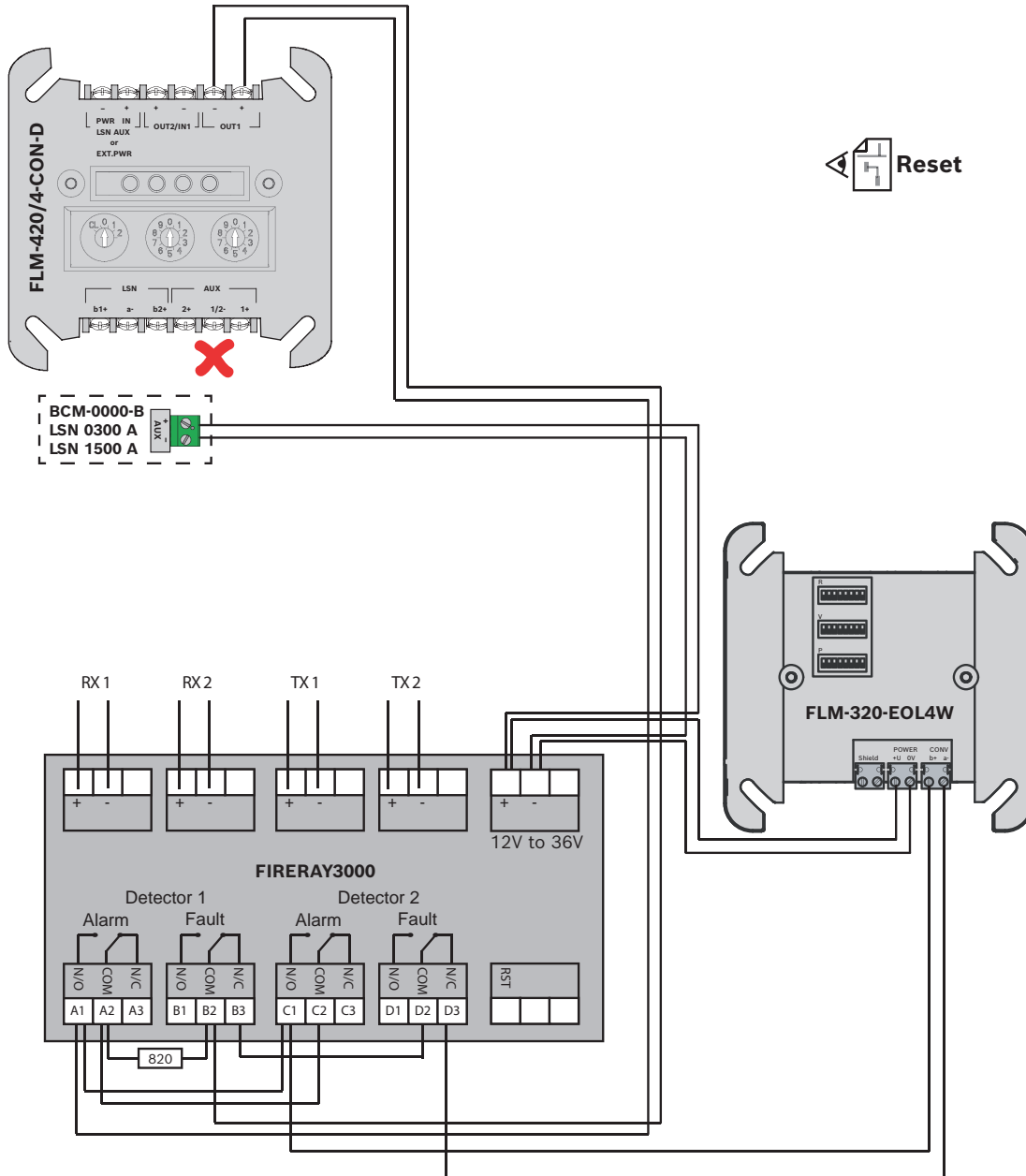




FIRERAY3000
2 x **OUT1**



ELS

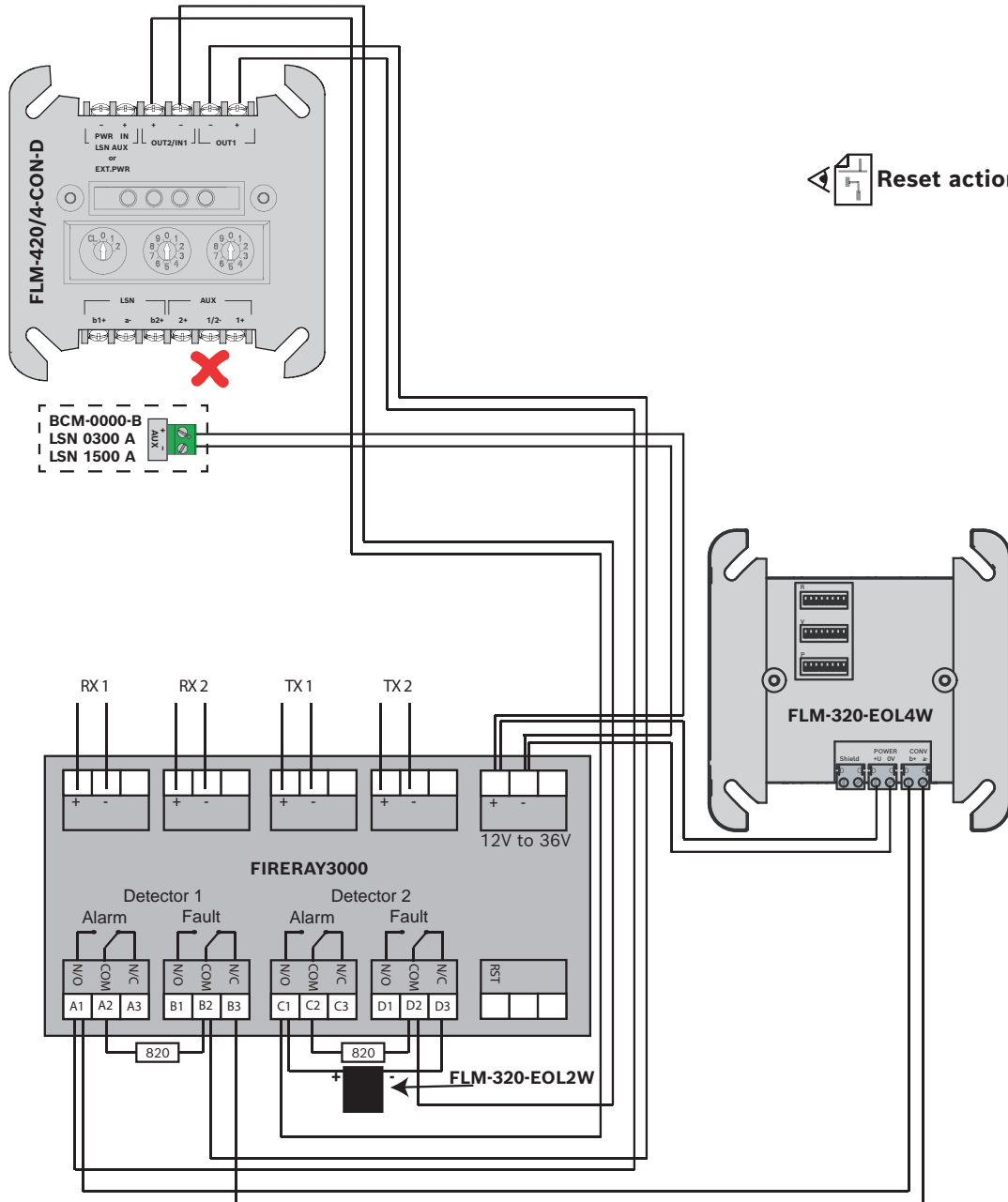




FIRERAY3000
2 x **OUT1+2**



ELS



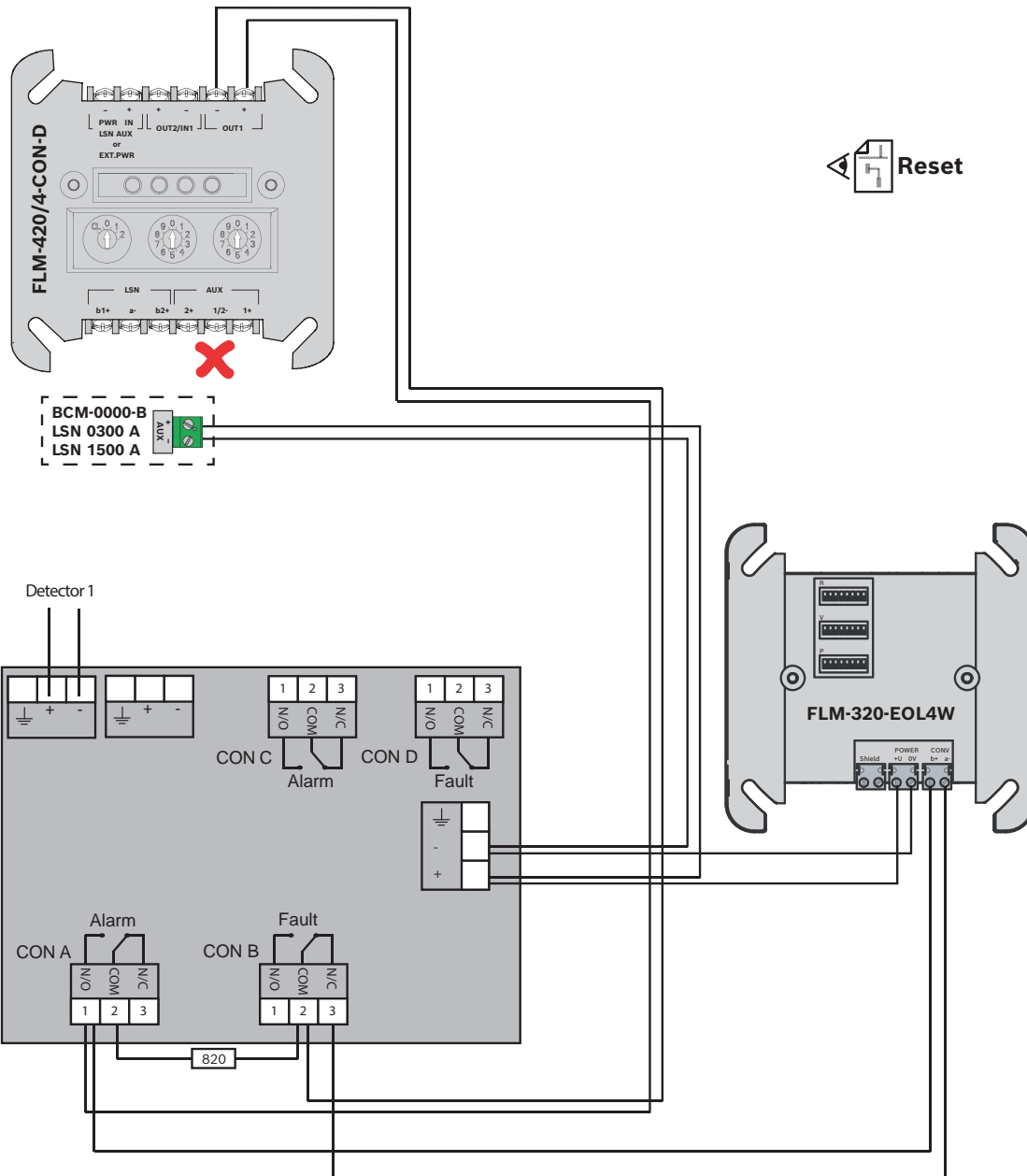


FIRERAY5000

1 x



ELS



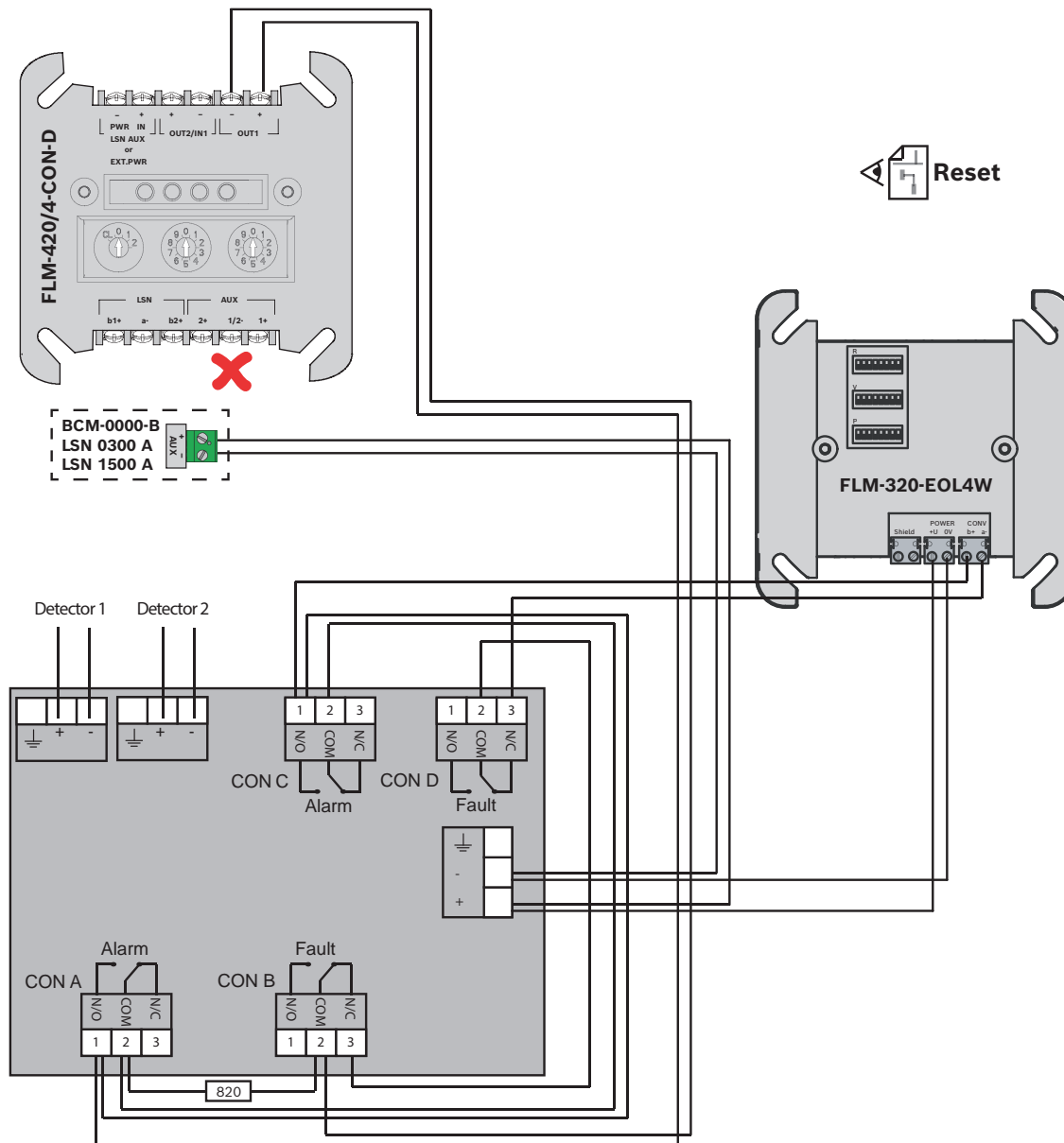


FIRERAY5000

2 x OUT1

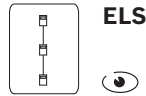


ELS



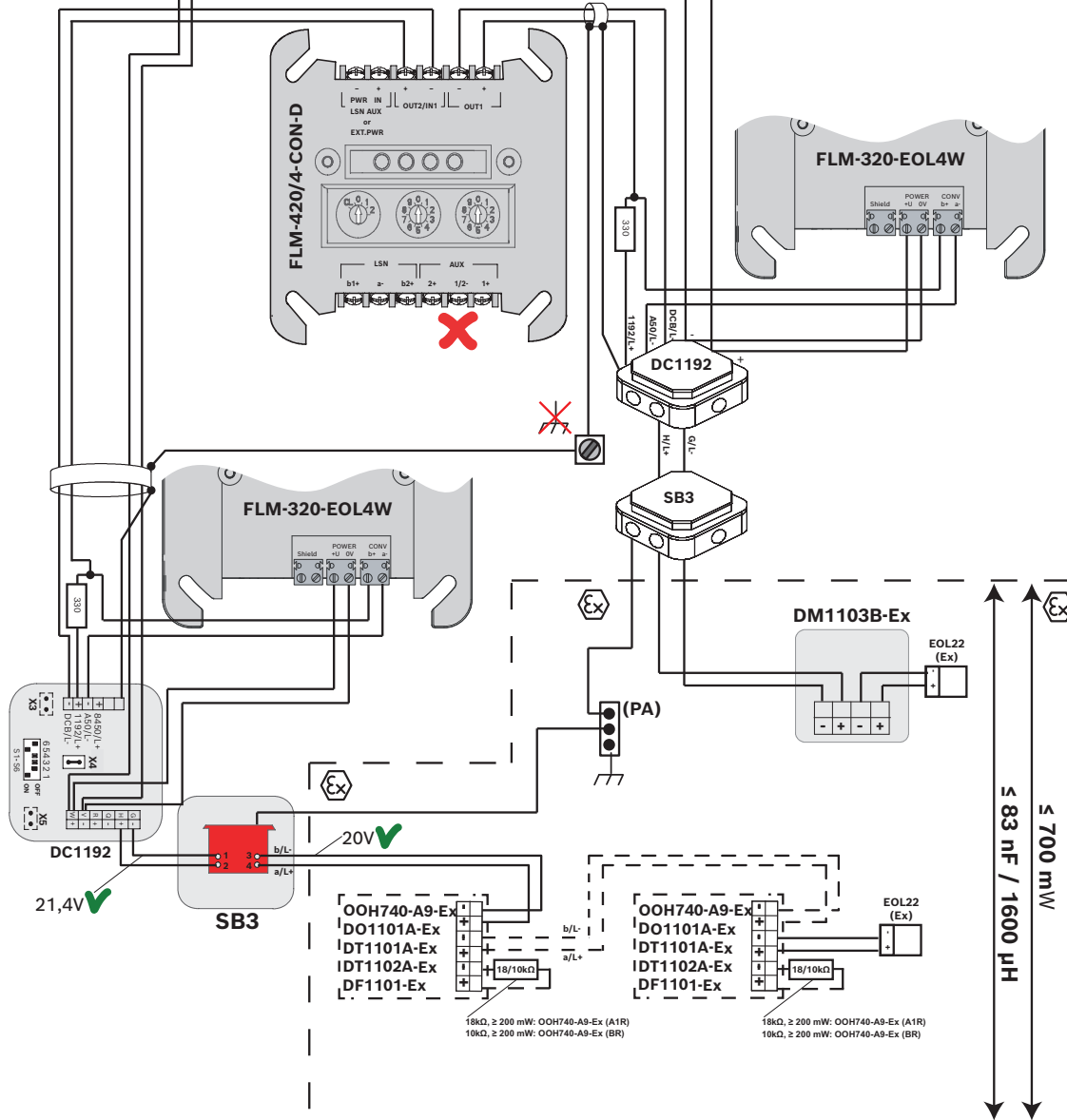


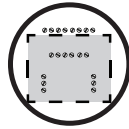
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 OOH740-A9-Ex
 DO1101A-Ex
 DT1101A-Ex/DT1102A-Ex
 DF1101-Ex
 DM1103B-Ex



BCM-0000-B
 LSN 0300 A
 LSN 1500 A

BCM-0000-B
 LSN 0300 A
 LSN 1500 A

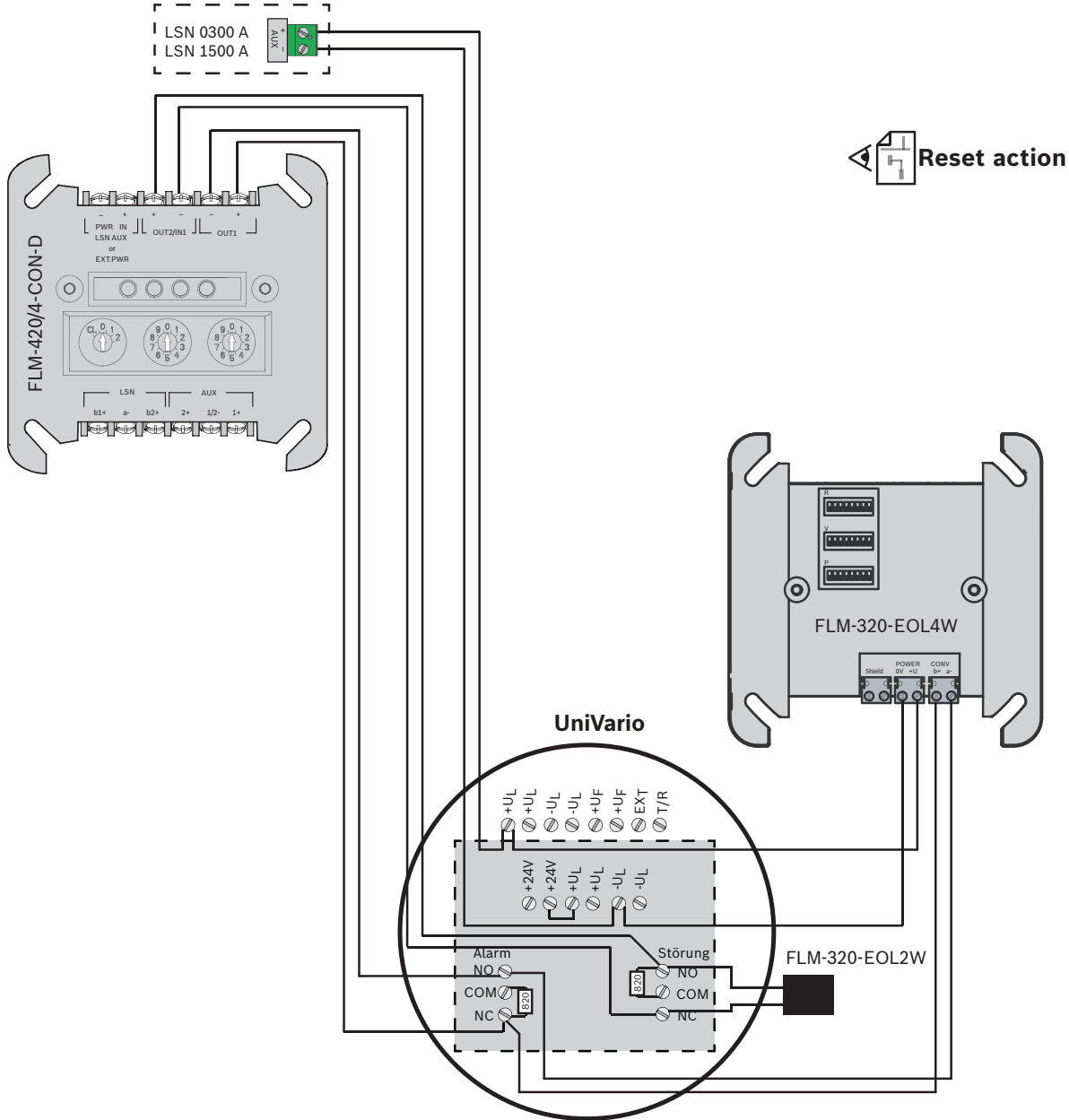




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 UniVario FMX5000
 UniVario KMX5000



ELS



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FLM-420-RHV	27, 28

858 ->

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