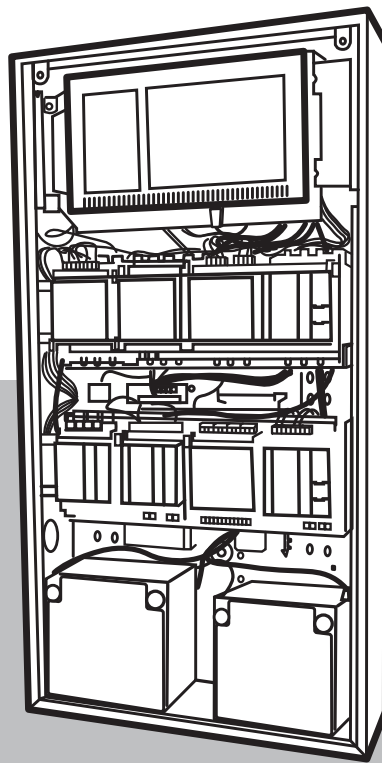


# AVENAR panel series





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# 1 Notificări

## 1.1 Cuprins

Ghidul de cablare arată cum sunt conectate în principiu dispozitivele periferice la centrala de detecție incendiu. Reglementările naționale și locale nu sunt luate în considerare. Aplicarea cerințelor naționale și locale poate duce la conexiuni ulterioare.

**Notificare!**

Conexiunile descrise în acest document se aplică de asemenea AVENAR panel 2000, cu condiția ca piesele individuale să fie extensii aprobate de Bosch Sicherheitssysteme GmbH pentru AVENAR panel 2000.

**Notificare!**

Conexiunile modului LSN 0300 A descrise în acest document se aplică și modului LSN 1500 A.

Pentru modulul LSN 1500 A, luați în considerare că, pentru instalațiile din Germania, unde este necesară conformitatea cu VdS 2540, linia AUX și linia LSN trebuie să fie în cabluri separate.

## 1.2 Informații despre produs

- Puteți găsi instrucțiuni de instalare pentru componentele individuale ale panourilor detecție-incendiu în manualul de instalare inclus.
- Mai multe informații (Manuale de utilizare, Ghid de conectare în rețea, Manual sistem) sunt disponibile pe internet la: [www.boschsecurity.com](http://www.boschsecurity.com)

## 1.3 Note importante

- Utilizați doar materialele de instalare recomandate de Bosch Security Systems.
- Nu executați lucrări de conversie și sudură decât dacă purtați o curea de mână de împământare.
- Operațiunile de asamblare și instalare nu trebuie efectuate decât de personal calificat.
- Țineți cont de principiile de conectare stipulate de autoritățile/instituțiile regionale.



### Pericol!

Atingerea componentelor sub tensiune poate prezenta pericol de moarte.  
Deconectați sursa de alimentare înainte de a efectua lucrările de instalare.

### Fir de cablu ecranat

Este necesar un fir de cablu ecranat pentru toate conexiunile cu două fire la CZM 0004 A și pentru conectarea următoarelor produse:

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

Exemplul de cablaj de mai jos arată cum se aplică un fir de cablu ecranat.

### Notificare!

Dacă un fir de cablu ecranat pentru LSN trebuie să fie conectat, atunci continuați conform specificațiilor LSN.

- Conectați ecranul de protecție a cablului LSN în partea laterală a panoului la conectorul funcțional de împământare desemnat:

două conexiuni la începutul și la sfârșitul unei bucle  
o conexiune la începutul unei derivații

- Treceți prin ecranul de protecție a cablului la toate dispozitivele periferice LSN utilizând bornele furnizate

- Nu este permisă nicio conexiune suplimentară a cablului ecranat LSN, nici la conectori de împământare și nici la alte contacte electrice cu potențial



## 1.4 Note pentru utilizator

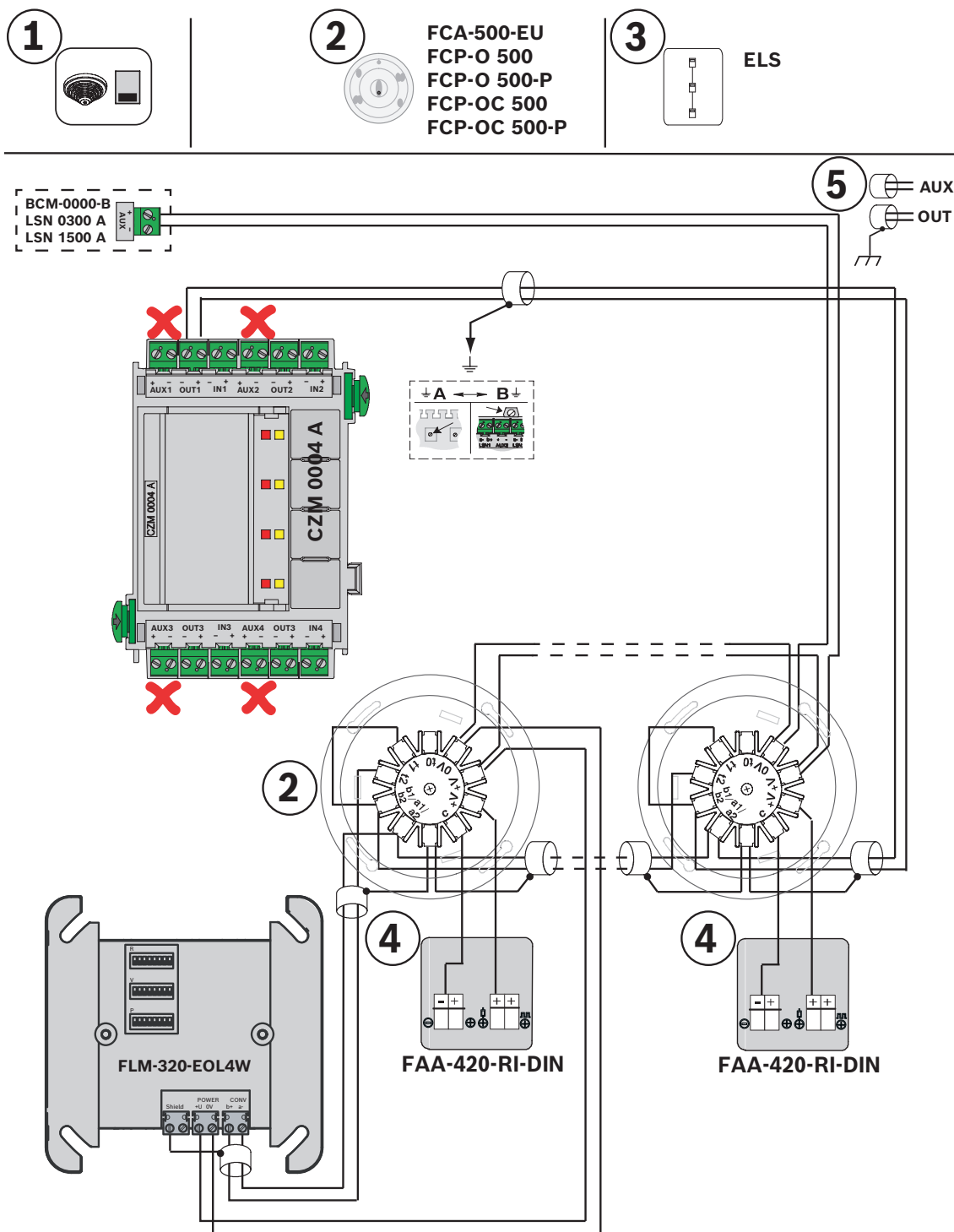
Ghidul de cablare este structurat după cum urmează:

- Capitolul Cablarea este sortat după dispozitivul la care este conectat un dispozitiv periferic. O schemă de cablare indică conexiunea directă a unui dispozitiv la alt dispozitiv (fără conexiuni în cascadă).
- Puteți găsi o colecție cu toate schemele de cablare îmbogățite cu module EOL suplimentare pentru monitorizarea întreruperii de conturare în secțiunea EOL.

Pentru a găsi schema de cablare necesară utilizați și:













- cuprinsul de la începutul fiecărui capitol Cablarea și de la începutul secțiunilor Module funcționale, Module de interfață și EOL.
- Index (neutru lingvistic),
- și căutarea de text complet.

Consultați următoarele exemple de cablaj:

















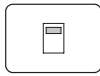
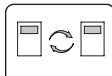

1	Simboluri pentru capitole ( <i>Simboluri pentru capitol, pagină 7</i> )
2	Dispozitive periferice ce pot fi conectate
3	Simboluri pentru conectare ( <i>Simboluri pentru conectare, pagină 7</i> )
4	Componente opționale
5	Sursă de alimentare și cablaj ( <i>Sursă de alimentare și cablaj, pagină 8</i> )

### 1.4.1 Simboluri pentru capitol



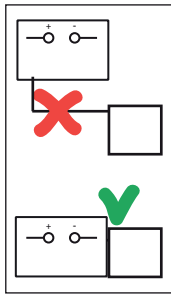
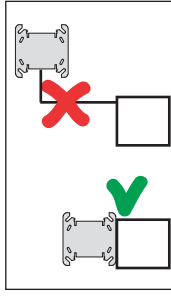

	Detectoare automate		Panouri de comandă și de afișare		Imprimantă
	Alimentare cu energie		Module funcționale		Echipament pentru întreținere sistem
	Module interfață		Sisteme de stingere a incendiilor		Declanșatoare manuale
	Dispozitive de semnalizare		Comenzi ale ușilor		Unități de transmisie

### 1.4.2 Simboluri pentru conectare

	Cablare obligatorie		Cablare opțională		Nepermis
	Redundanță		Cablaj tip buclă		Cablaj tip buclă cu element redundant
	Cablaj tip arbore		Cablaj tip arbore redundant		Cablaj tip arbore cu element redundant
	Cablaj tip arbore redundant cu element redundant	ELS	Acest cablaj este conform cu VdS 2489 / VdS 2540 / VdS 2541 / VdS 2543. ELS este acronimul pentru Extended Line Supervision și denotă monitorizarea scurtcircuitelor de contornare și monitorizarea întreruperii de contornare. Acest cablaj include ELS. Scurtcircuitul de contornare este detectat de următoarele module: LSN 0300 A, LSN 1500 A și BCM-0000-B atunci când se utilizează FPP-5000-TI13.		Acest cablaj tip buclă este conform cu VdS 2489 / VdS 2540 / VdS 2541 / VdS 2543. Oferă ELS. Modulele EOL suplimentare nu sunt necesare.
	Sincronizare		Zone cu pericol de explozie		Panou

	Panou independent		Panou independent cu redundanță		Pentru bazele de detectoare: Schema de cablare este validă doar pentru baza în care este instalat detectorul.
EN 54-2, DIBT etc.	Dacă este necesară conformitatea cu acest standard, atunci utilizați cablarea specificată.				

### 1.4.3 Sursă de alimentare și cablaj

	Este necesar un cablu cu 2 fire.
	Este necesar un cablu ecranat cu 2 fire.
	Carcasa produsului care conține sursa de alimentare trebuie să fie montată la același nivel cu elementul.
	Pentru modulul de interfață este necesară montajul încadrat.
 <b>Reset action</b>	A se vedea cablajul din acest manual. Pentru a asigura resetarea automată a dispozitivului, trebuie să implementați acțiunea de resetare.

## 1.5 Valorile rezistenței

Următorul tabel oferă o prezentare generală a codului de culori al rezistoarelor. Rezistoarele cu peliculă metalică furnizate cu produsul au 5 benzi colorate, care indică valorile rezistenței.

Culoare	1. bandă	2. bandă	3. bandă	4. bandă (multiplicator)	5. bandă (toleranță)
Argintiu				$10^{-2}$	$\pm 10\%$
Auriu				$10^{-1}$	$\pm 5\%$
Negru		0	0	$10^0$	
Maro	1	1	1	$10^1$	$\pm 1\%$



Culoare	1. bandă	2. bandă	3. bandă	4. bandă (multiplicator)	5. bandă (toleranță)
Roșu	2	2	2	$10^2$	$\pm 2\%$
Portocaliu	3	3	3	$10^3$	$\pm 0.05\%$
Galben	4	4	4	$10^4$	$\pm 0.02\%$
Verde	5	5	5	$10^5$	$\pm 0.5\%$
Albastru	6	6	6	$10^6$	$\pm 0.25\%$
Violet	7	7	7	$10^7$	$\pm 0.1\%$
Gri	8	8	8	$10^8$	$\pm 0.01\%$
Alb	9	9	9	$10^9$	

În conformitate cu DIN EN 60062:2017

*Portocaliu — alb — negru — maro — maro*: rezistor de 3,9 kOhm cu toleranță de 1%,

*Roșu — roșu — negru — maro — maro*: rezistor de 2,2 kOhm cu toleranță de 1%.

## 2 Wiring



*FPP-5000 Power supply, pagină 11*

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

*DIBT, pagină 15*

*Functional Modules, pagină 42*

*BCM-000-B, pagină 43*

*CZM 0004 A, pagină 45*

*ENO 0000 A/B, pagină 61*

*LSN 0300 A, pagină 68*

*NZM 0002 A, pagină 106*

*RMH 0002 A, pagină 119*

*IOS 0020 A, pagină 120*

*FPE-5000-UGM, pagină 122*

*Interface Modules, pagină 124*

*FLM-420-4/CON-D/S, pagină 125*

*FLM-420-I8R1-S, pagină 158*

*FLM-420-NAC-D/S, pagină 160*

*FLM-420-RHV, pagină 172*

*FLM-420-RLE-S, pagină 184*

*FLM-420-RLV1-E, pagină 185*

*FLM-420-RLV8-S, pagină 186*

*FMF-ADP-FBF/FMF-ADP-TTY, pagină 187*

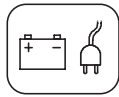
*EOL, pagină 188*

*CZM 0004 A, pagină 189*

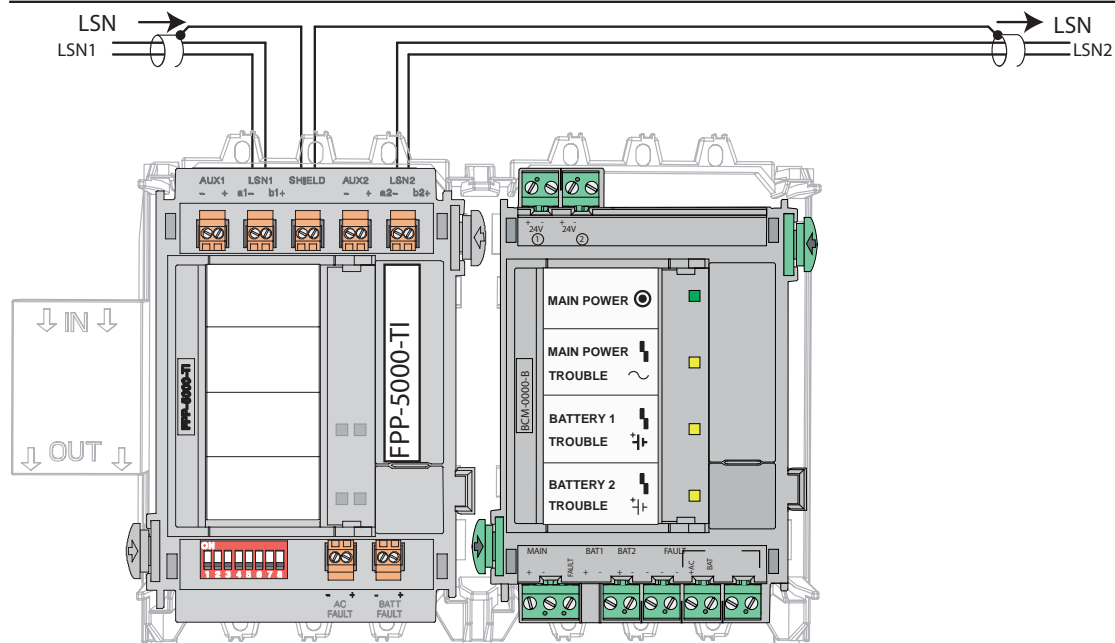
*LSN 0300 A, pagină 201*

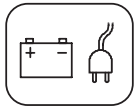
*FLM-420/4-CON-S/D, pagină 246*

## 2.1 FPP-5000 Power supply



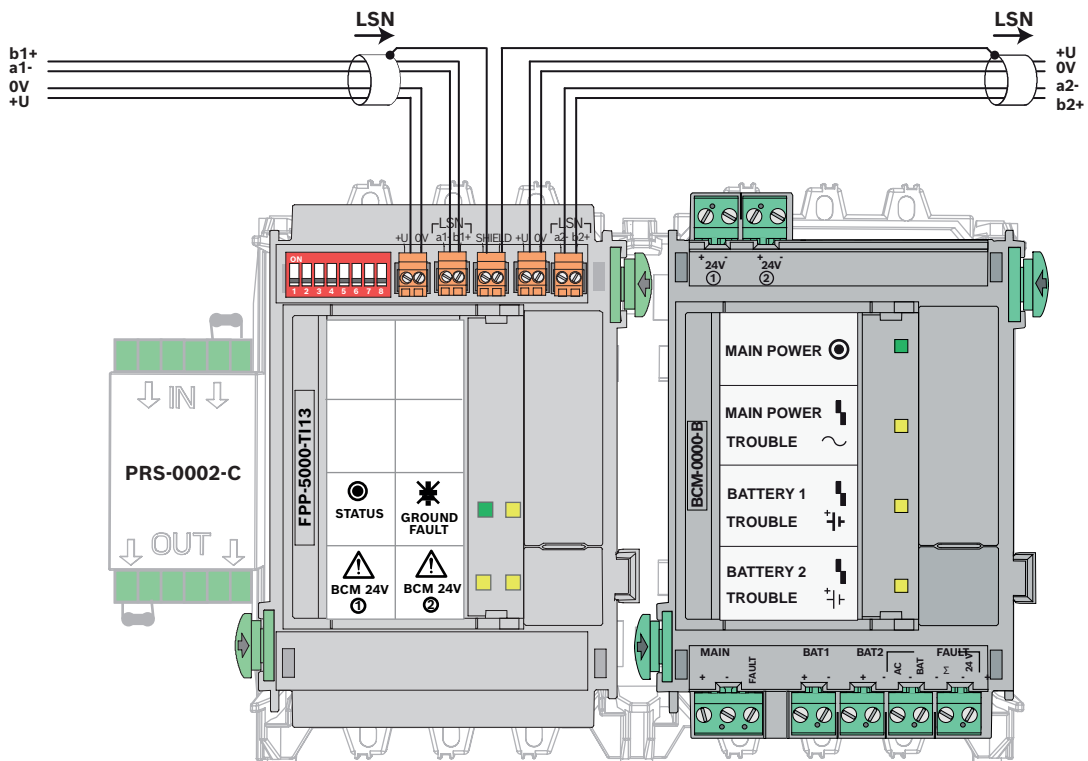
FPP-5000-TI



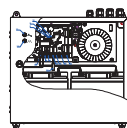
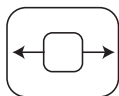


FPP-5000-TI13

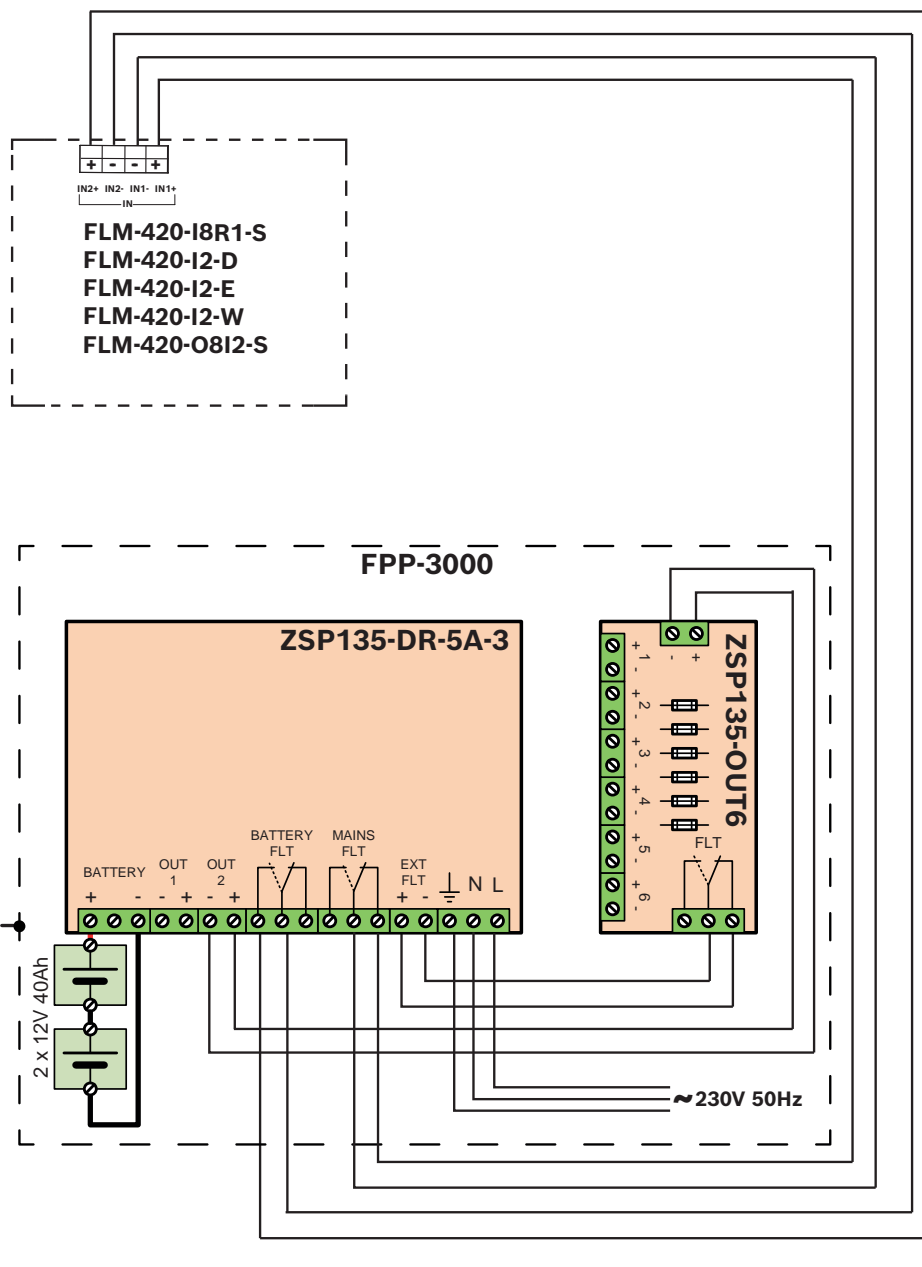
ELS

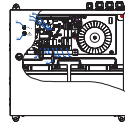
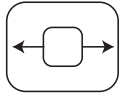


## 2.2 FPP-3000 Power supply (ZSP135-DR-5A-3/ZSP135-OUT6)

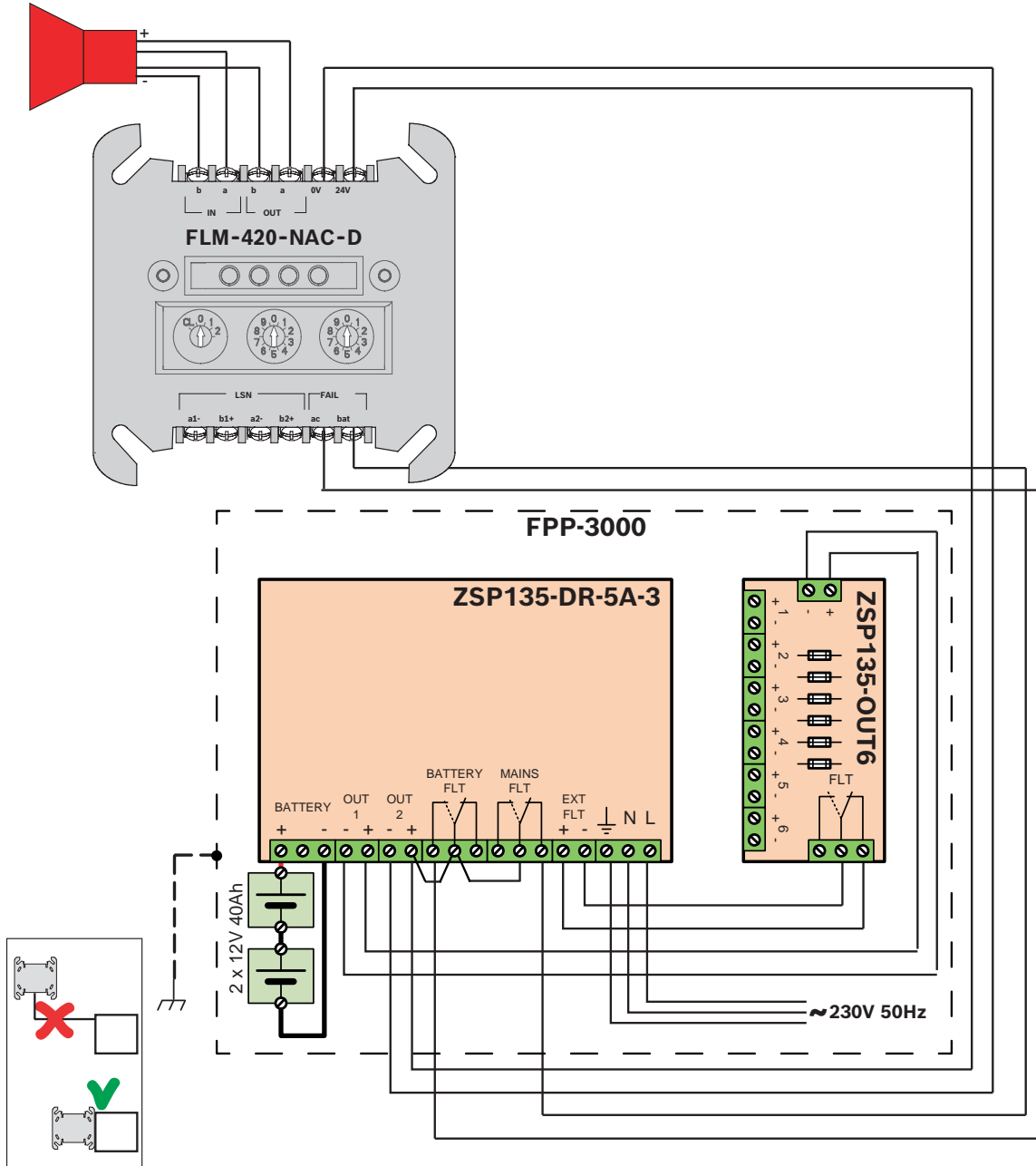


ZSP135-DR-5A-3  
ZSP135-OUT6  
FPP-3000



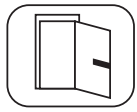


**ZSP135-DR-5A-3**  
**ZSP135-OUT6**  
**FPP-3000**



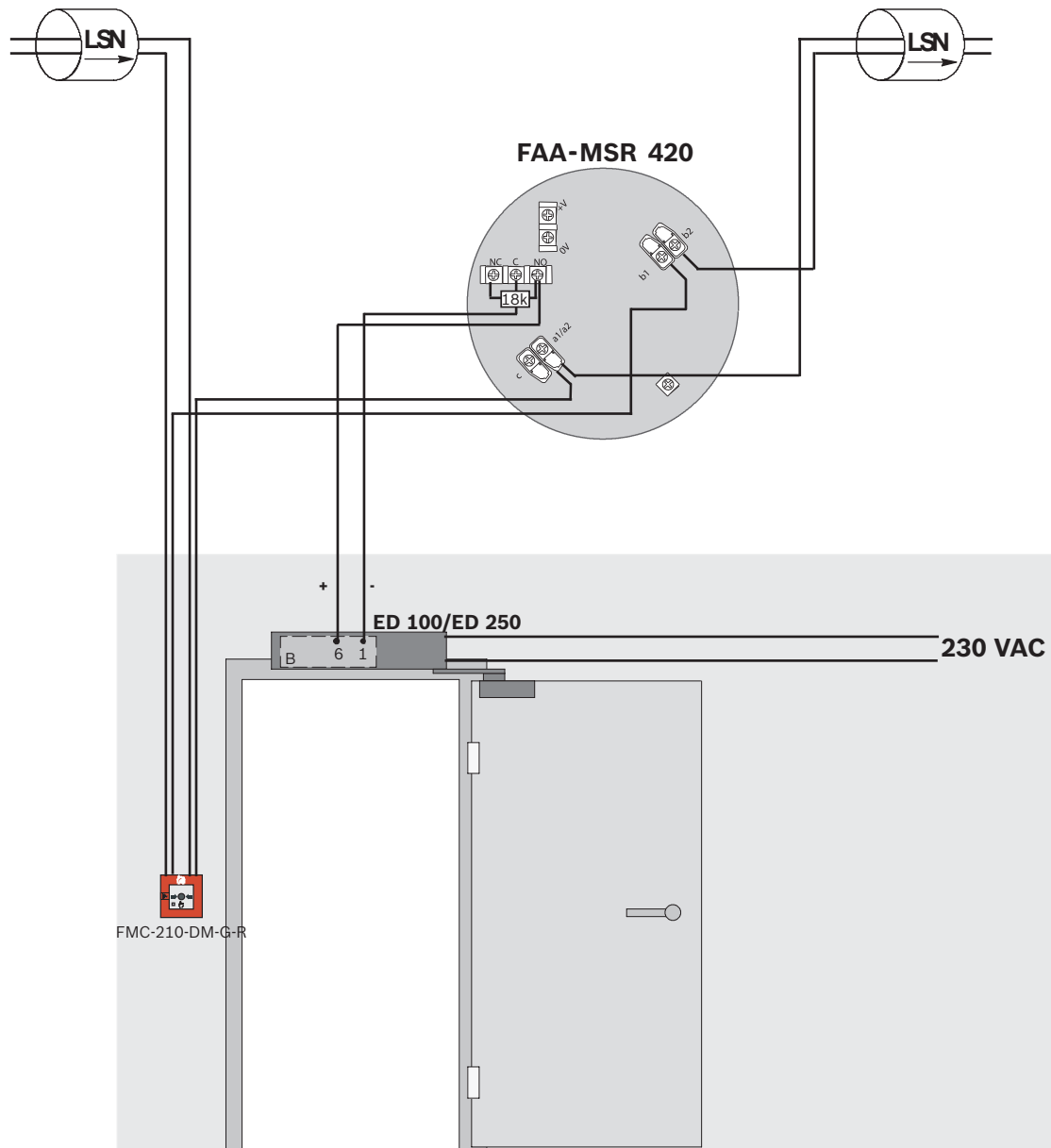
### 2.3

### DIBT



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

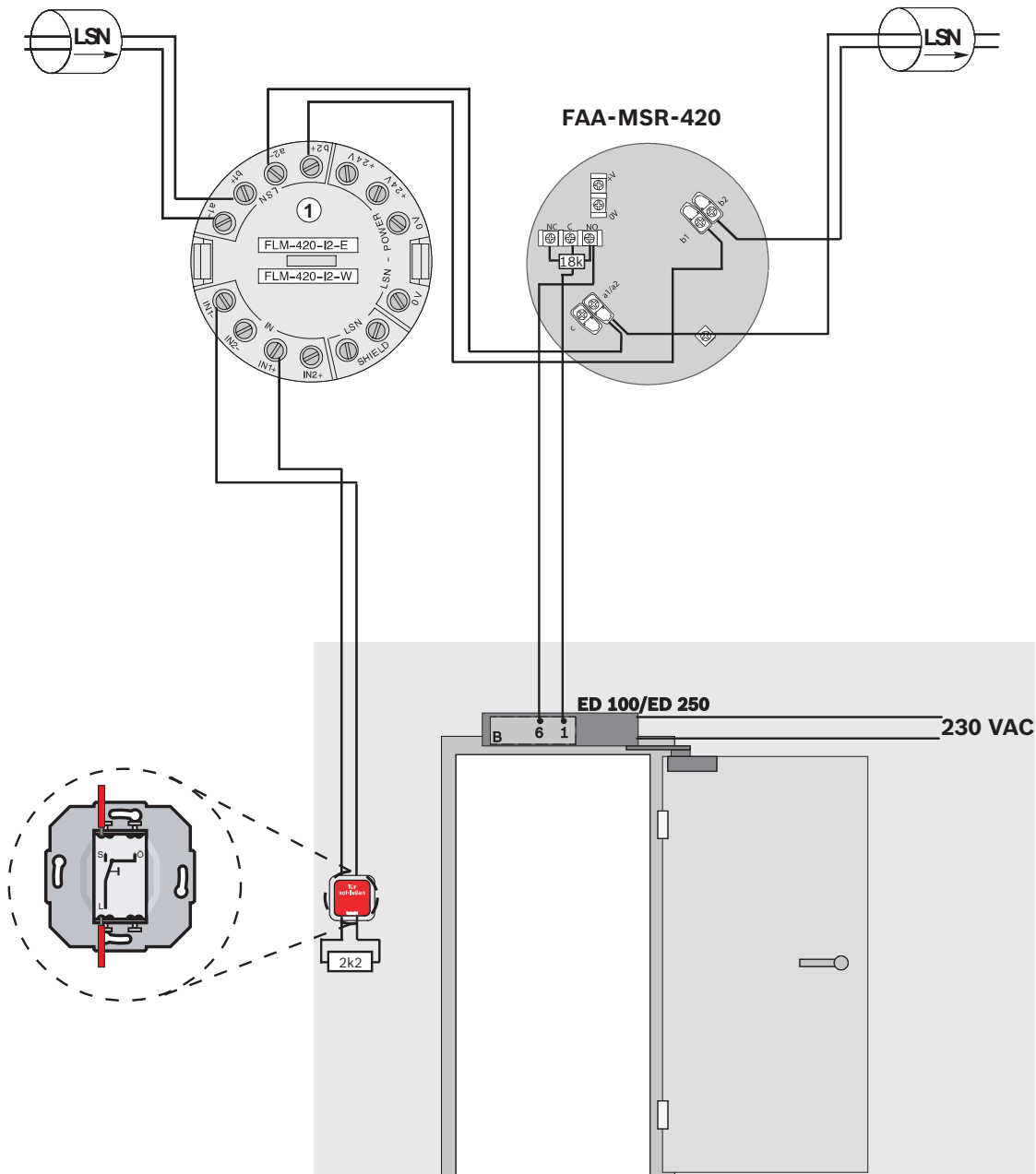
**DIBT**



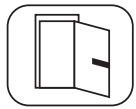


**ED 100  
ED 250  
(+Upgrade Card B)**

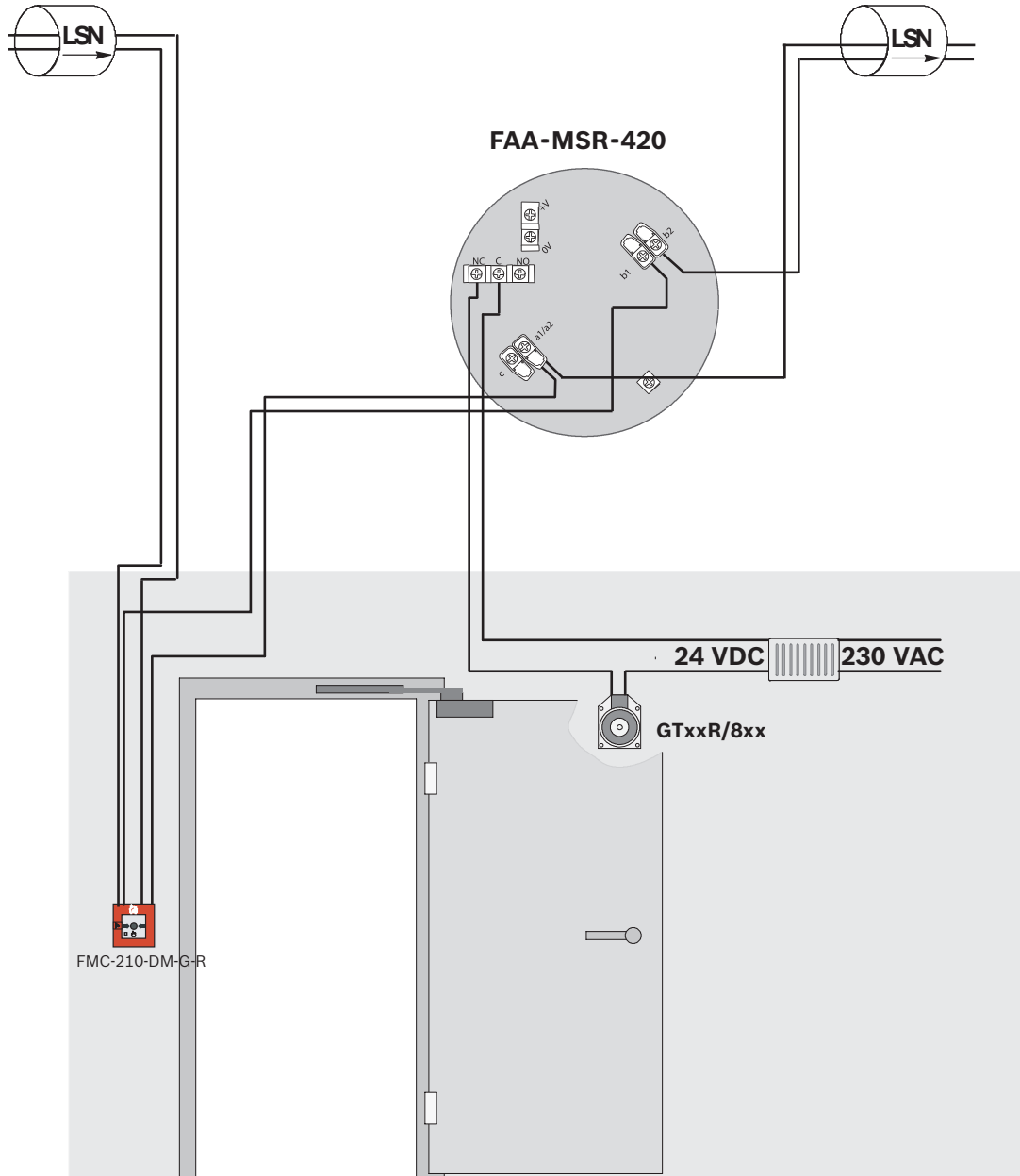
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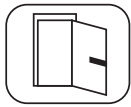




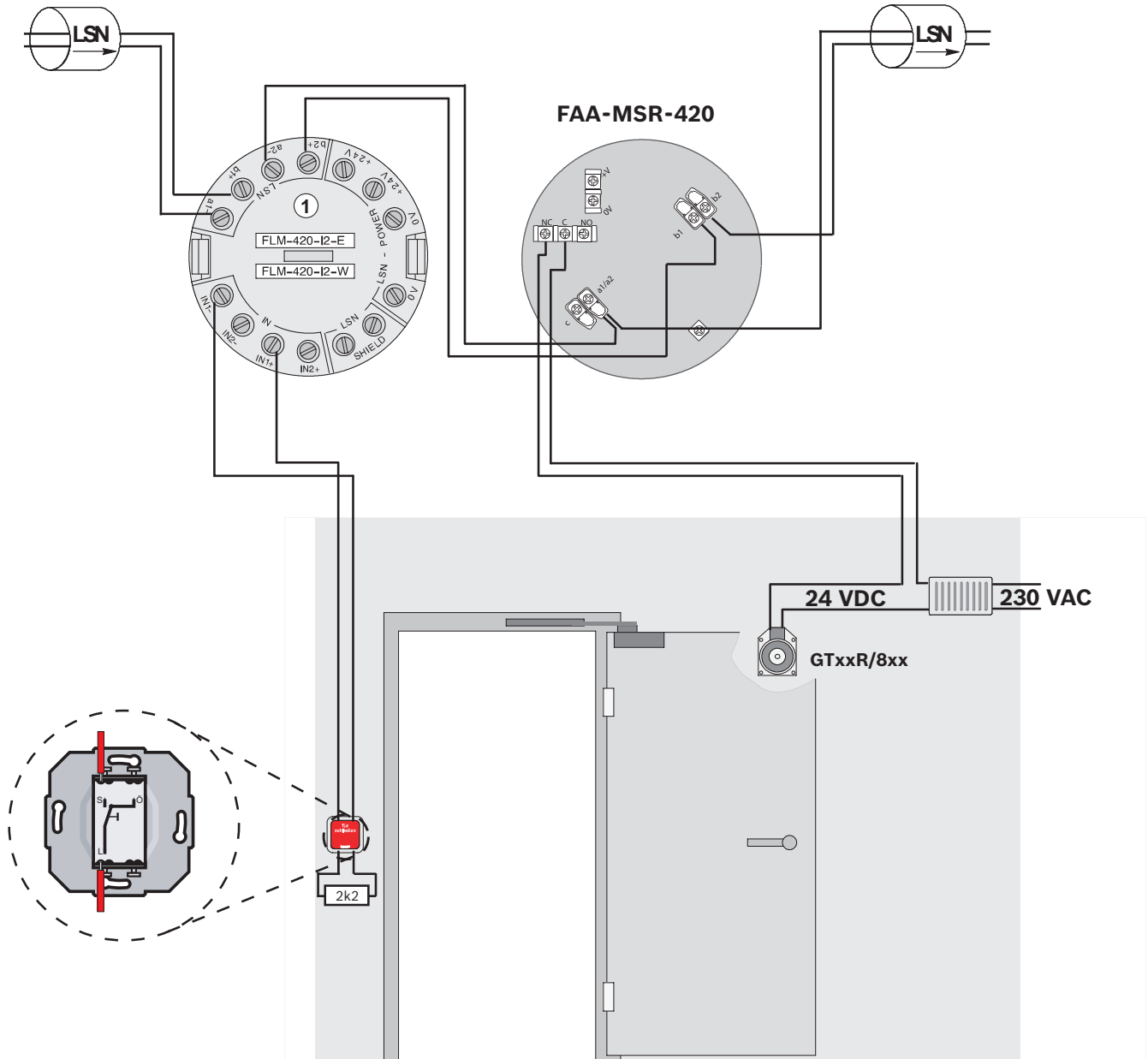


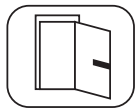
DIBT





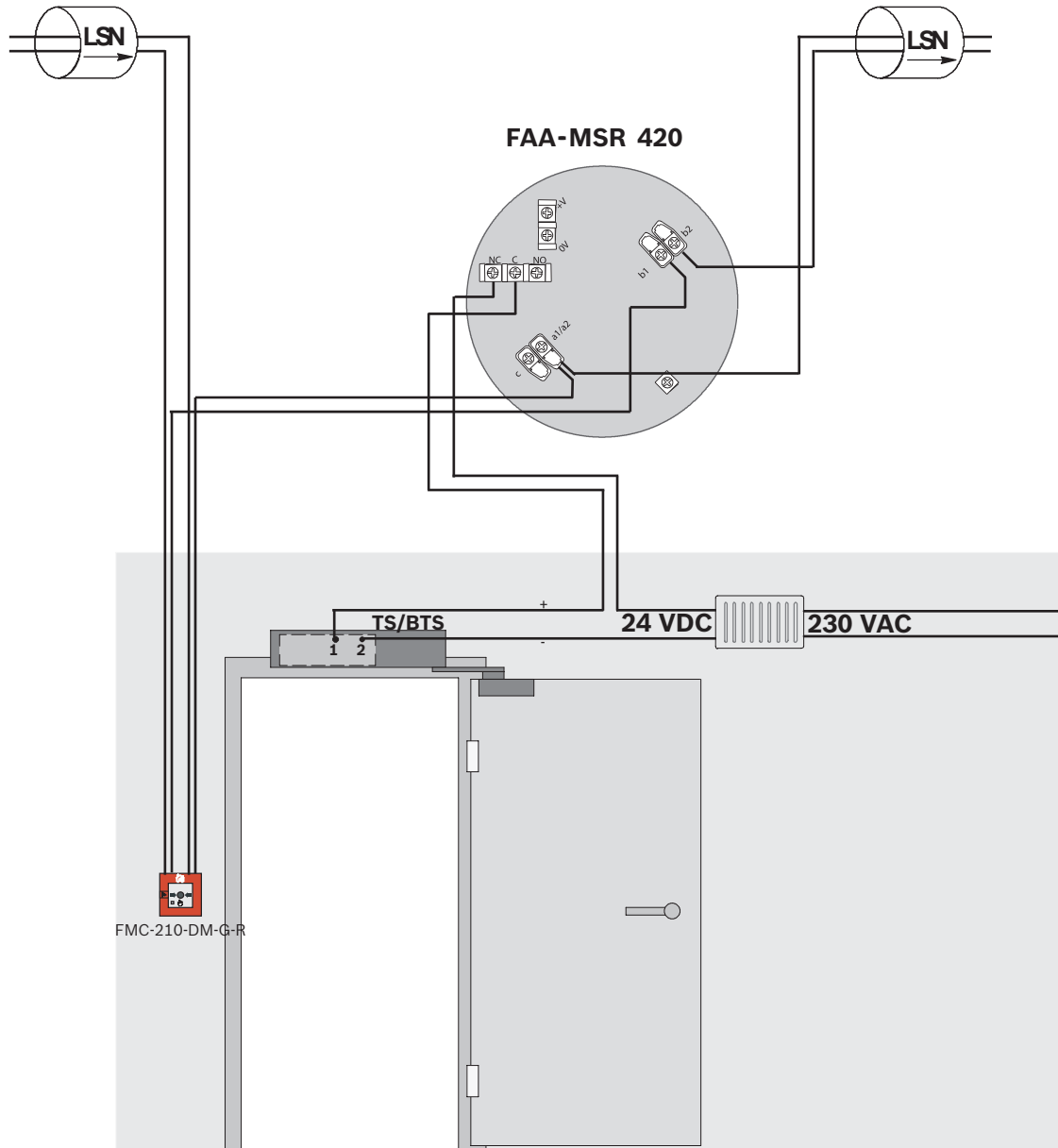
DIBT

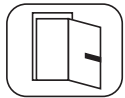




TS 73 EMF  
 TS 93 EMF  
 TS 93 GSR  
 BTS 80 EMB  
 BTS 80 FLB

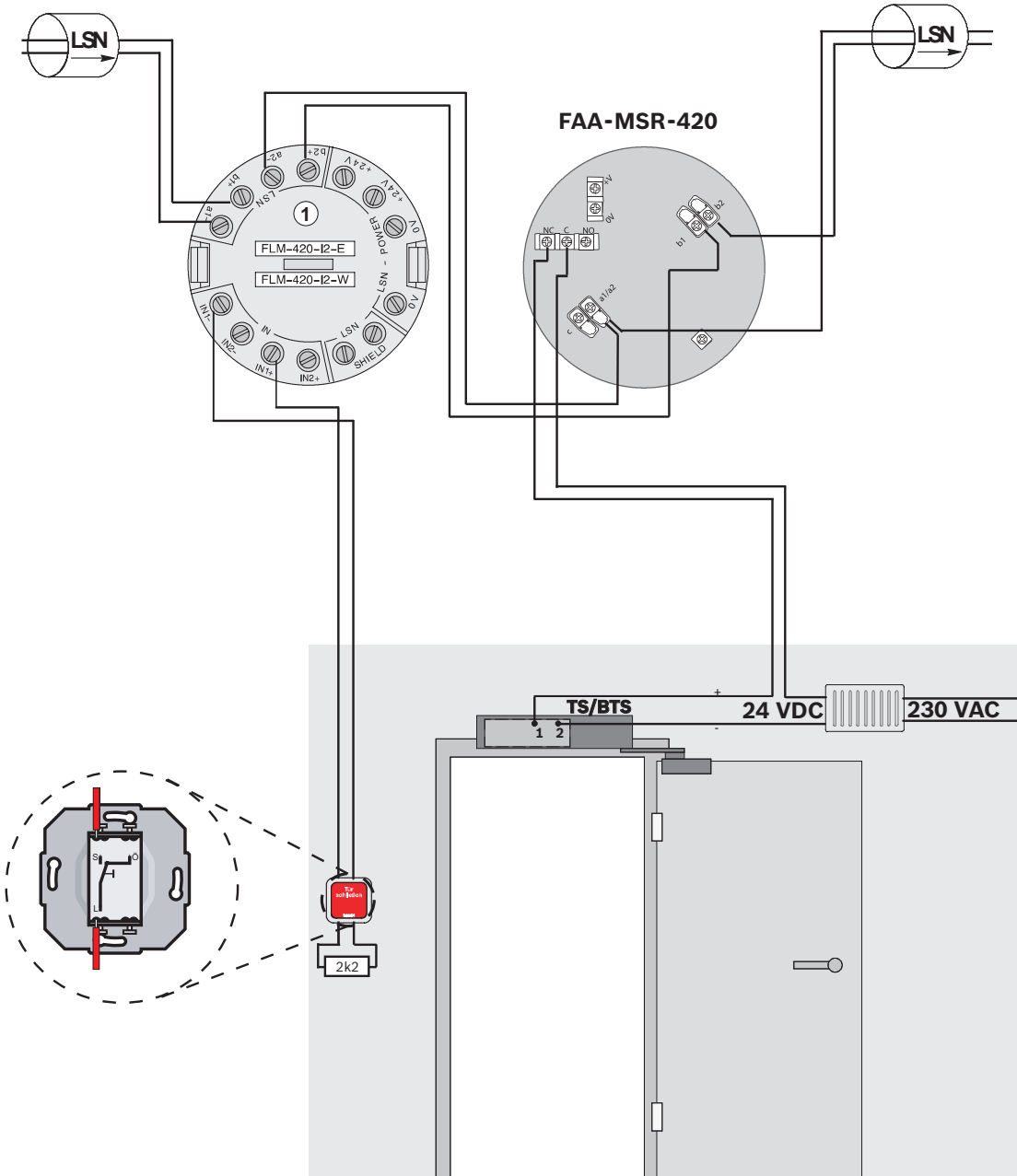
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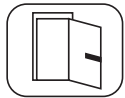




TS 73 EMF  
 TS 93 EMF  
 TS 93 GSR  
 BTS 80 EMB  
 BTS 80 FLB

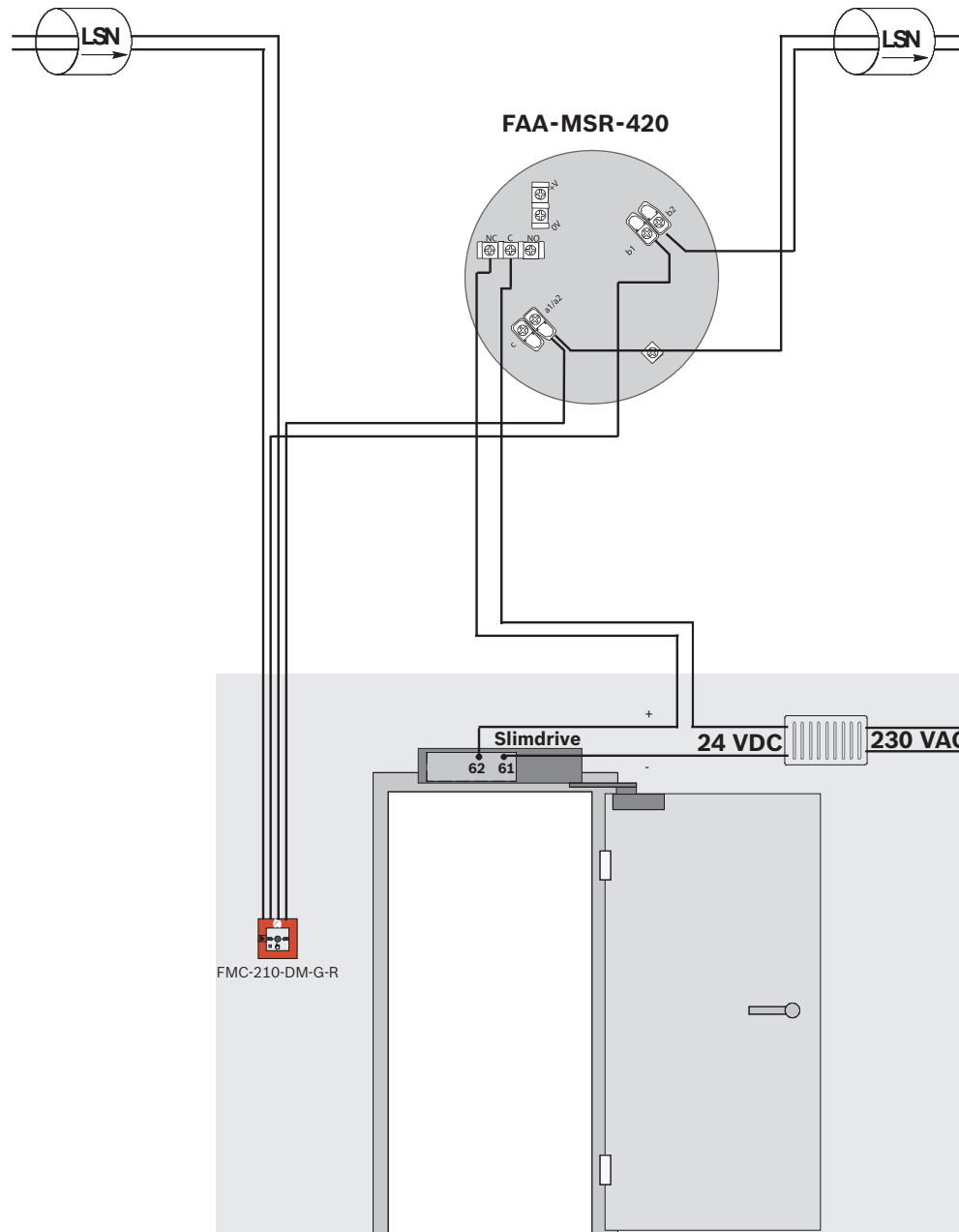
**DIBT**





Slimdrive EMD-F/EMD F-IS

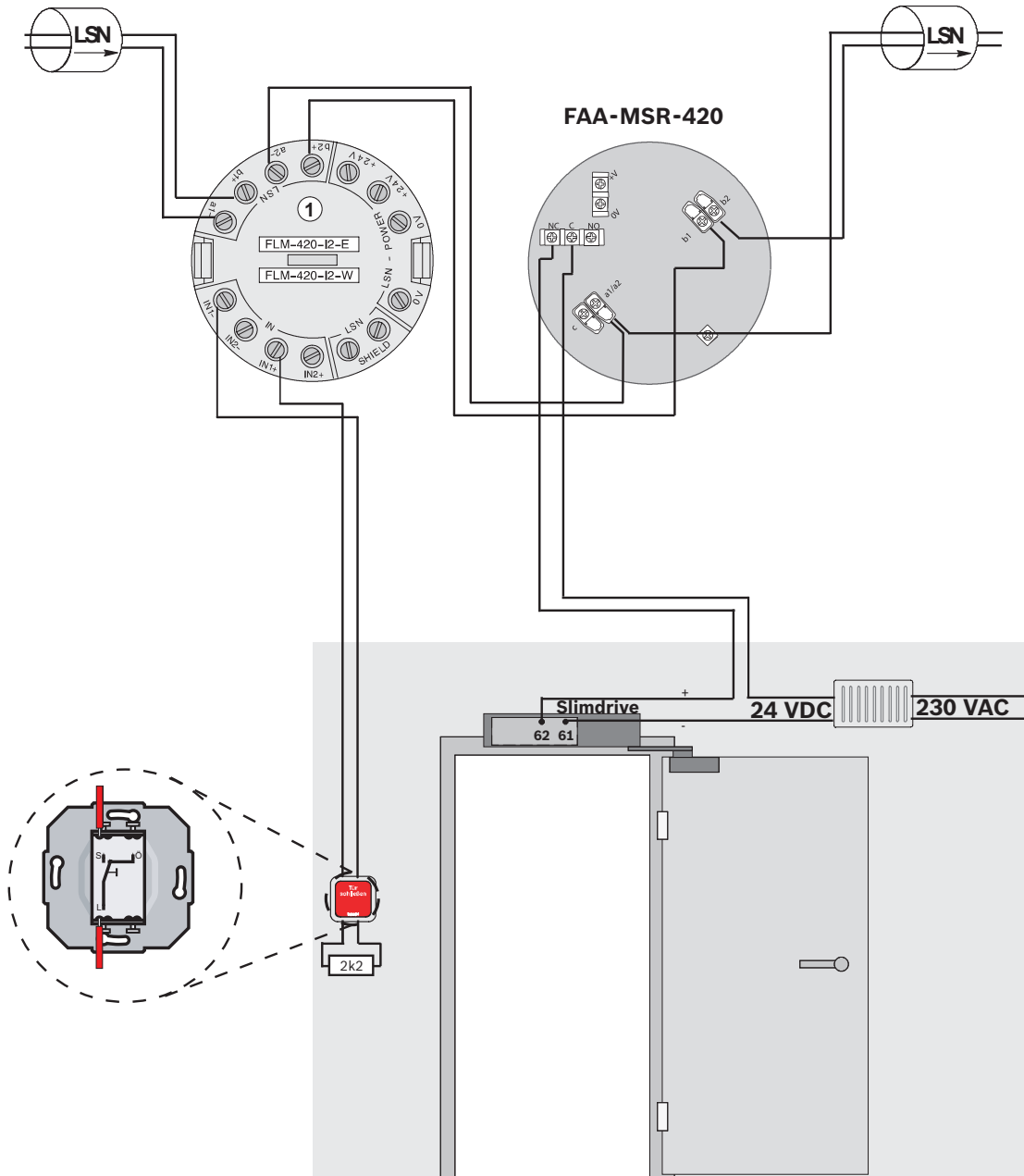
DIBT

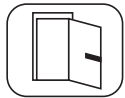




Slimdrive EMD-F/EMD F-IS

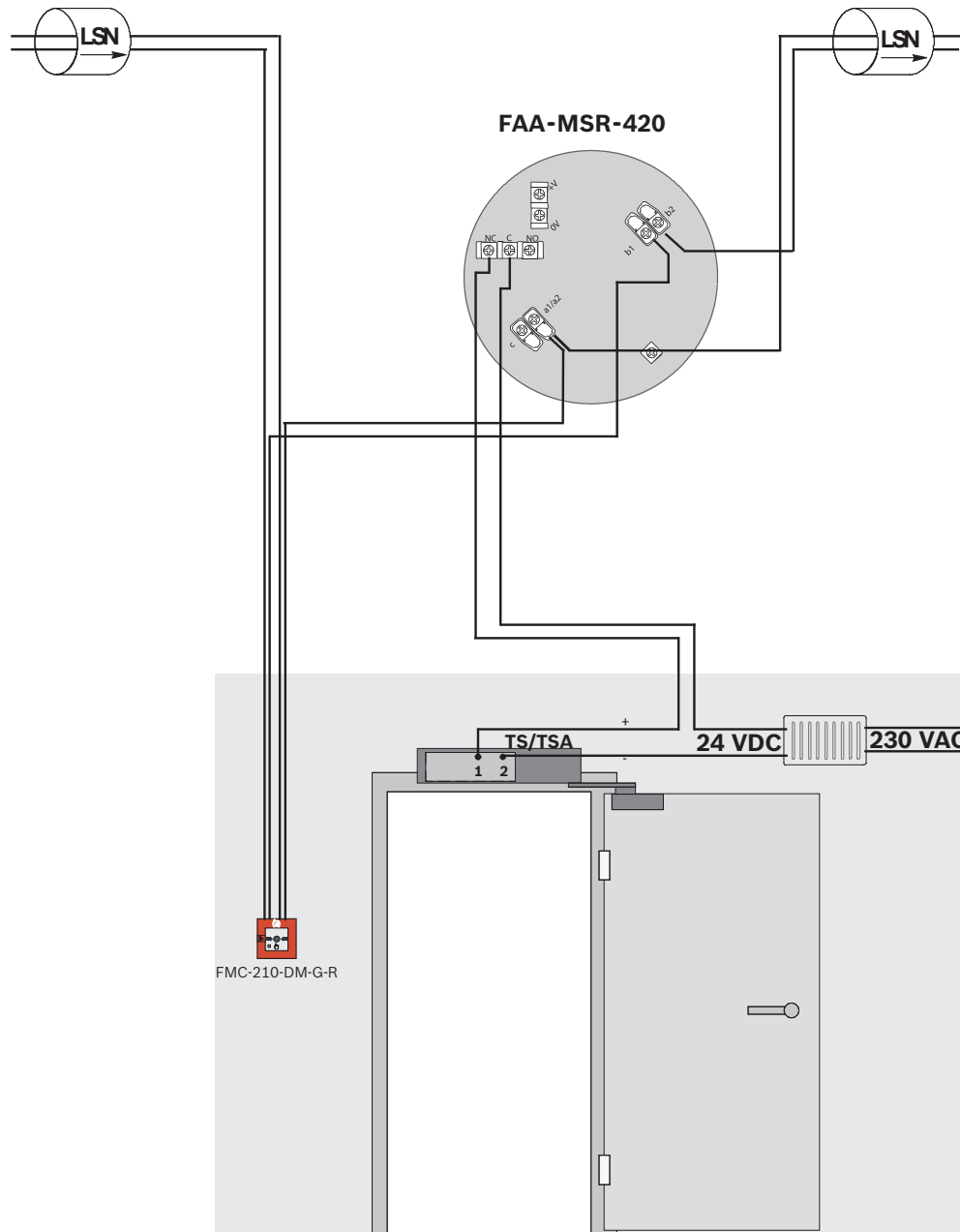
DIBT





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

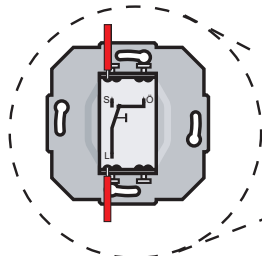
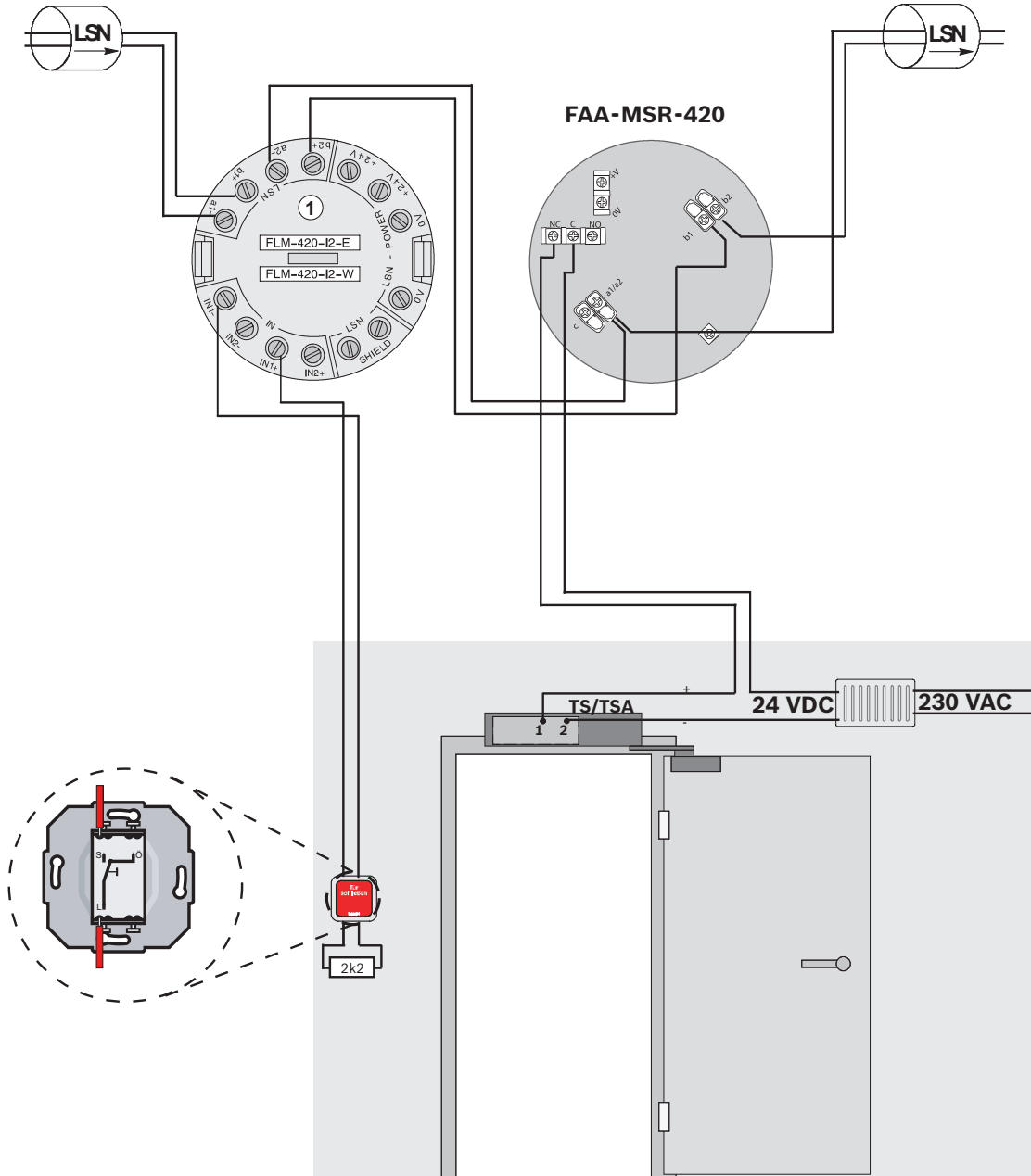
DIBT



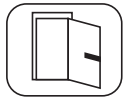


TS 4000 E/E-IS/EFS  
 TS 5000 E/E-IS/E-ISM  
 TS 550 E  
 TSA 160 NT F/F-IS/F-IS/TS

DIBT

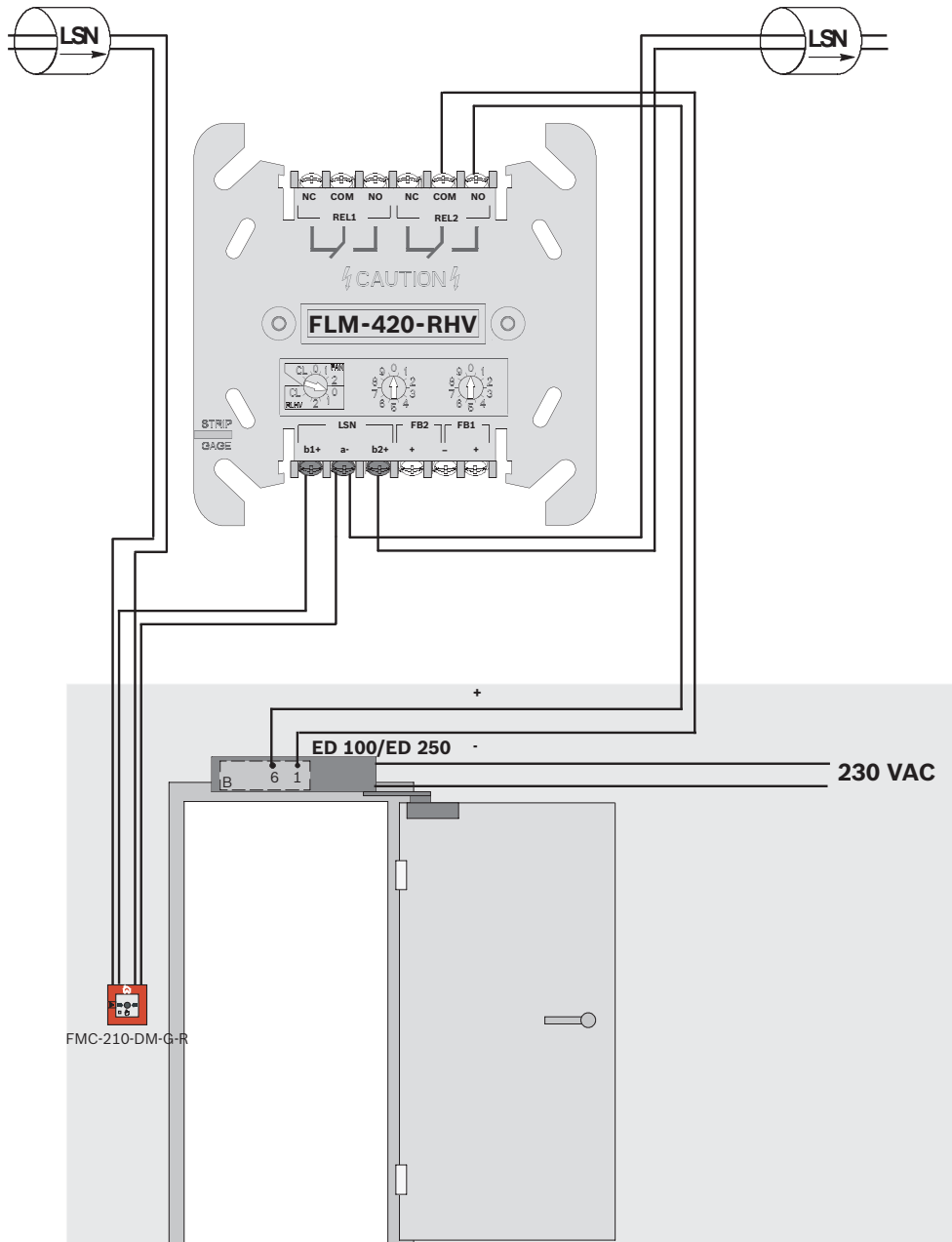


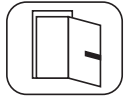




**ED 100  
ED 250  
(+Upgrade Card B**

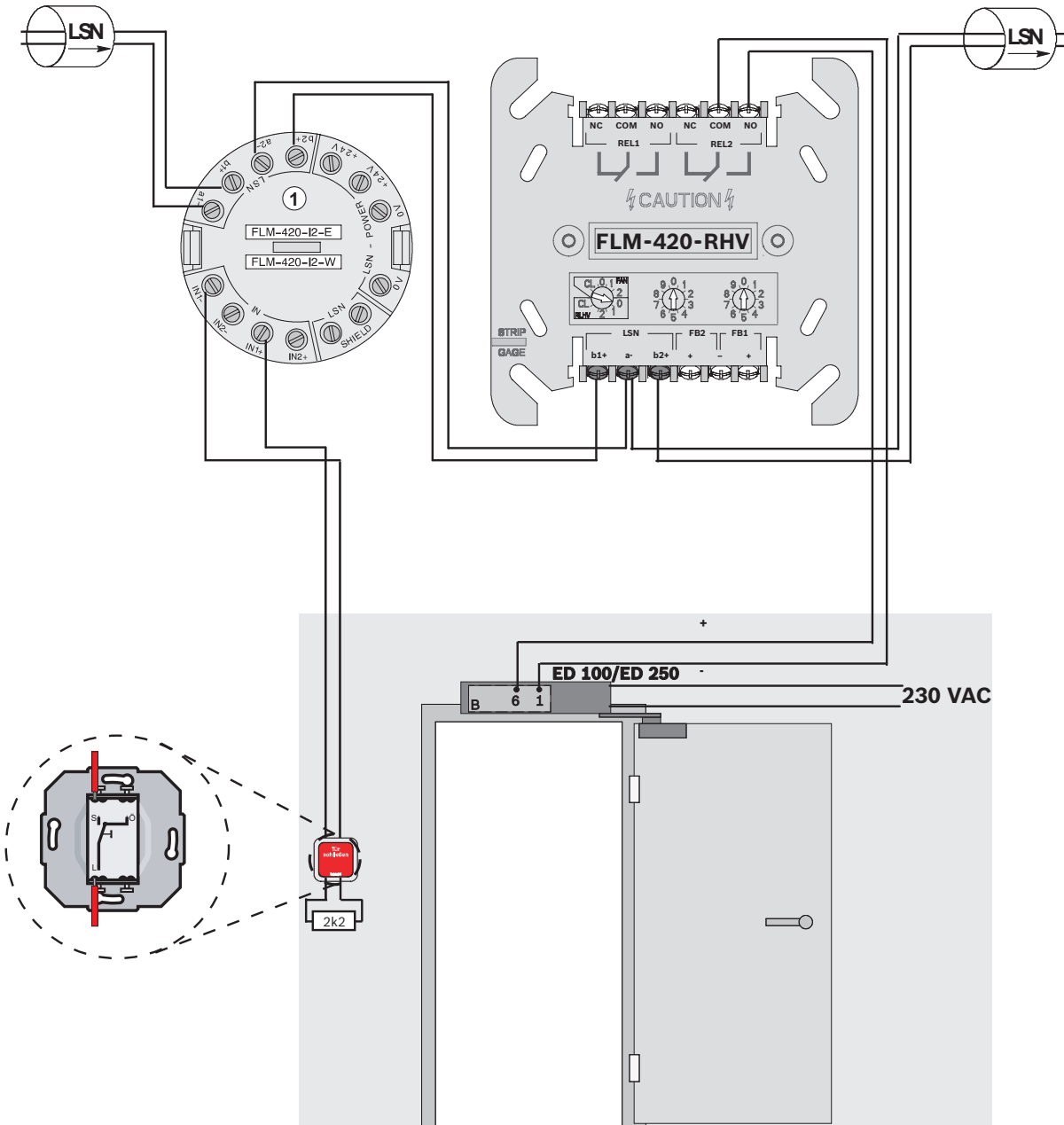
**DIBT**





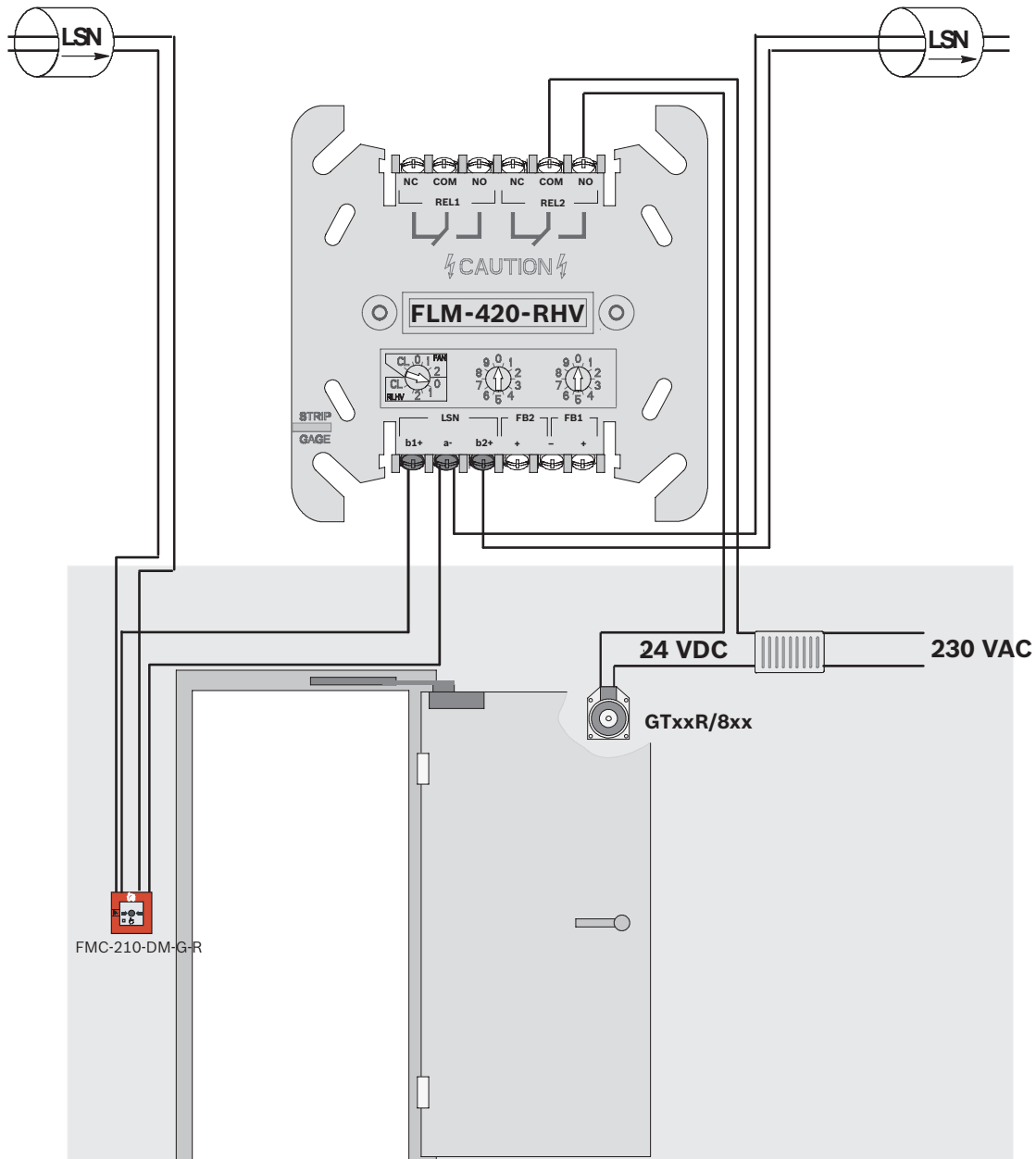
ED 100  
ED 250  
(+Upgrade Card B)

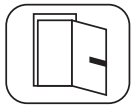
DIBT





DIBT

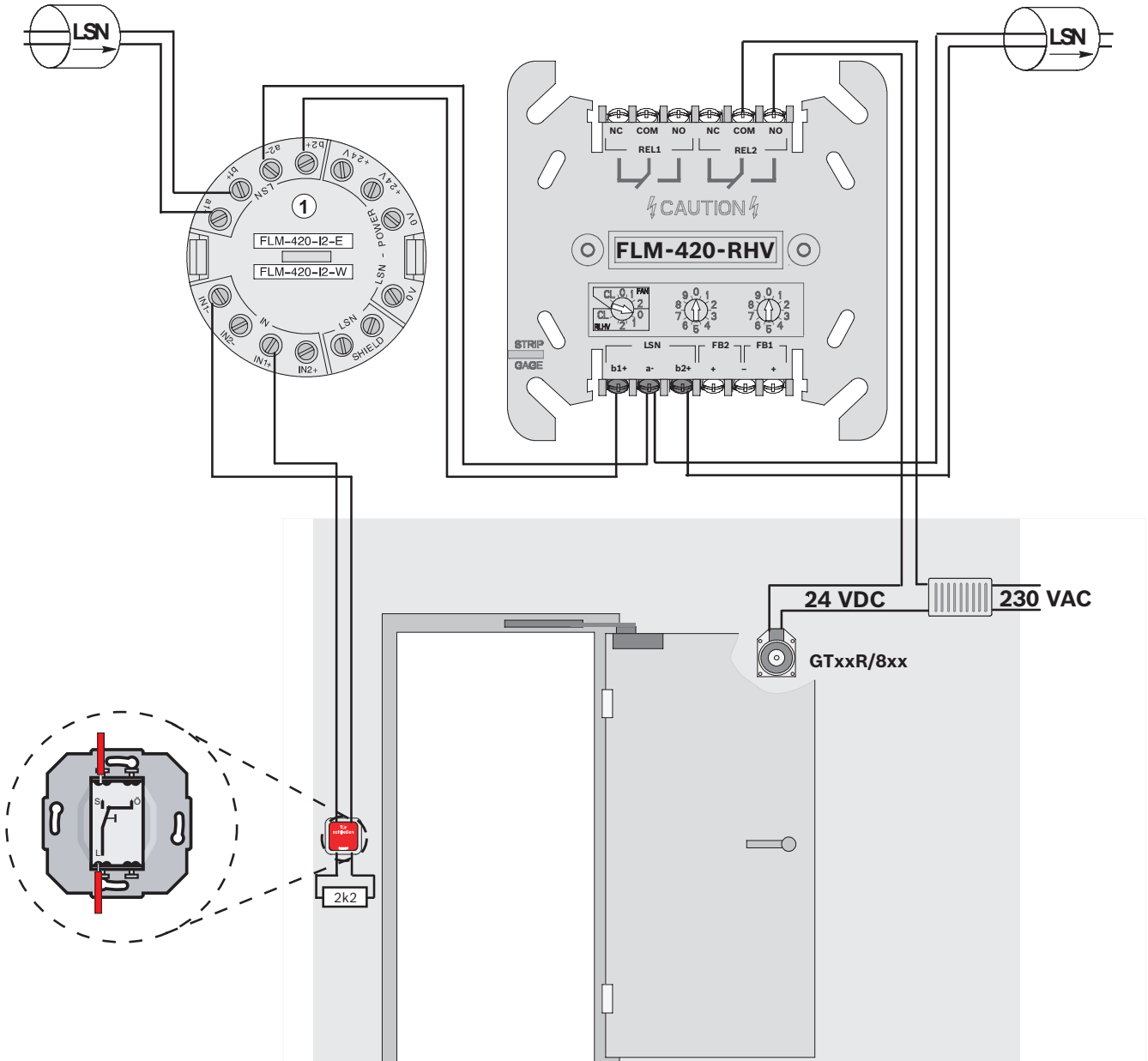


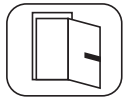


GT xx R

8 xx

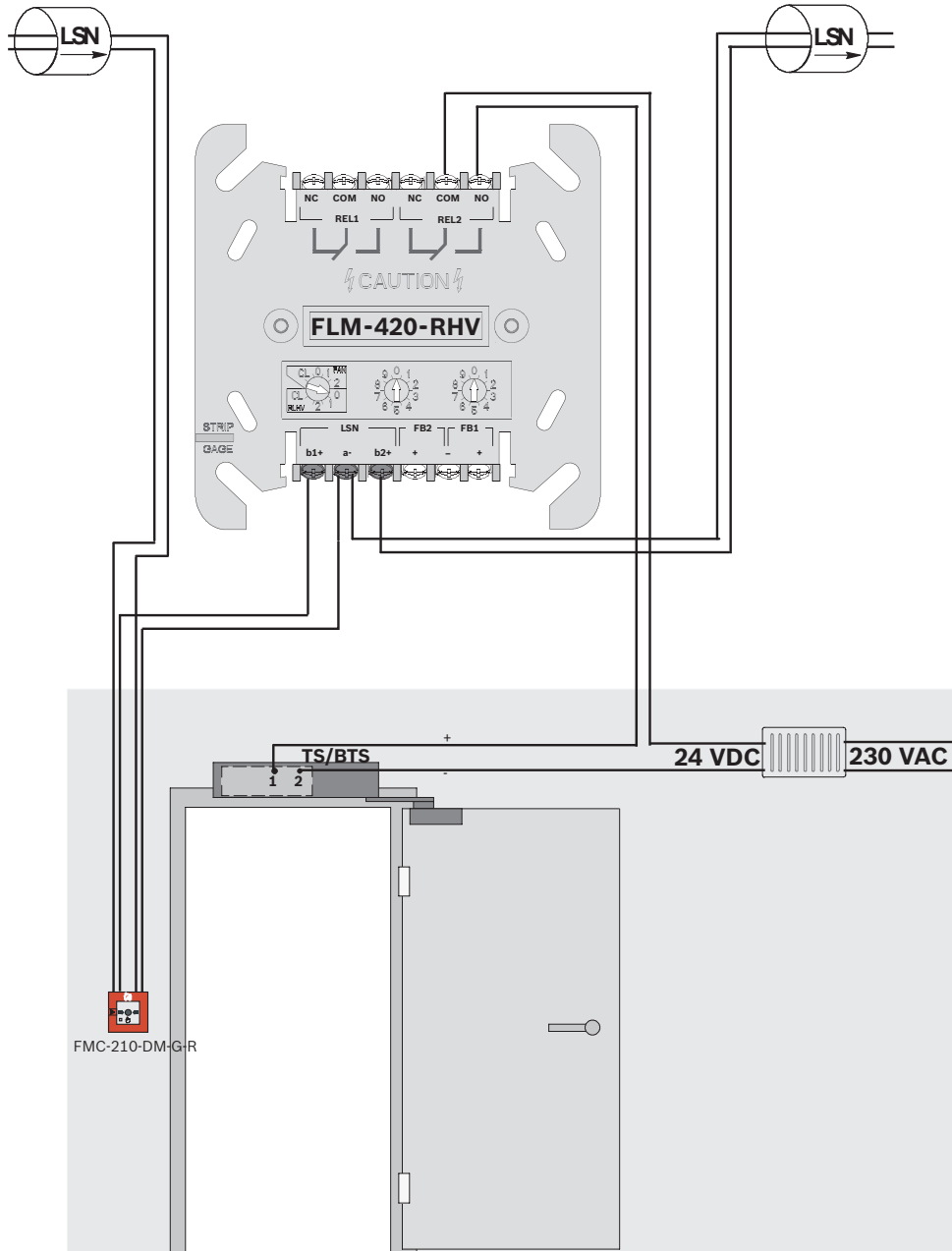
DIBT

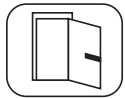




TS 73 EMF  
 TS 93 EMF  
 TS 93 GSR  
 BTS 80 EMB  
 BTS 80 FLB

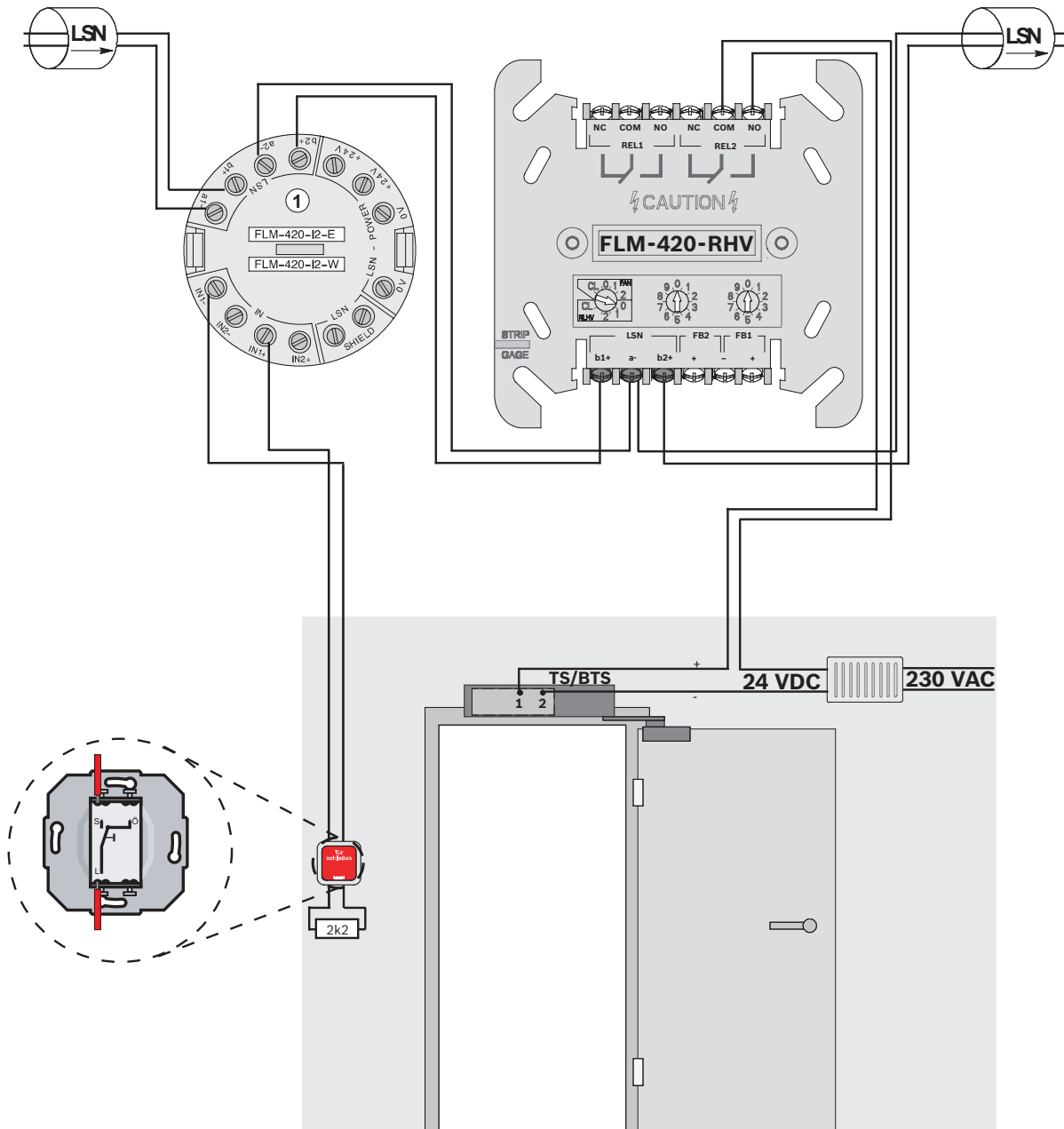
DIBT





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

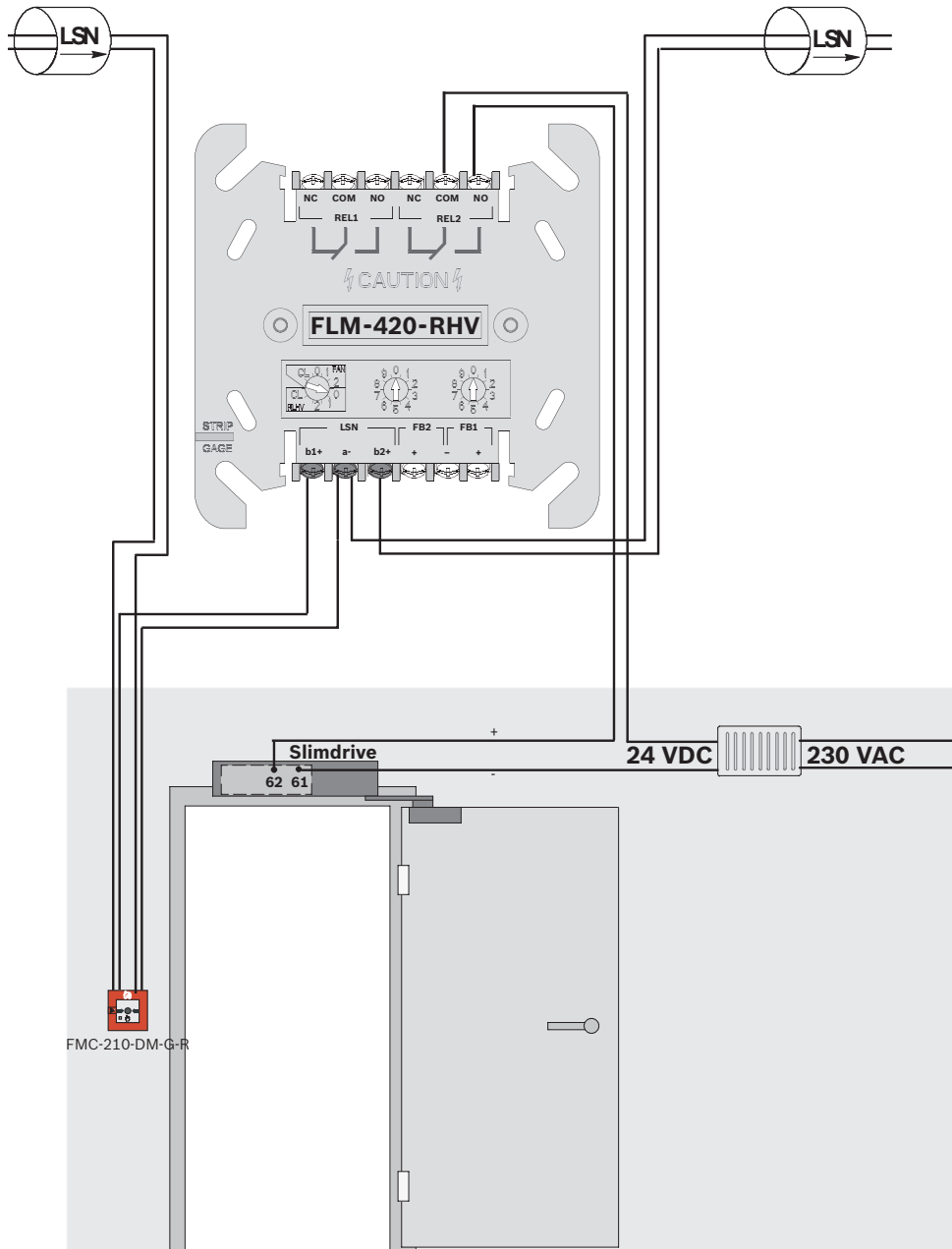
DIBT

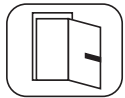




Slimdrive EMD-F/EMD F-IS

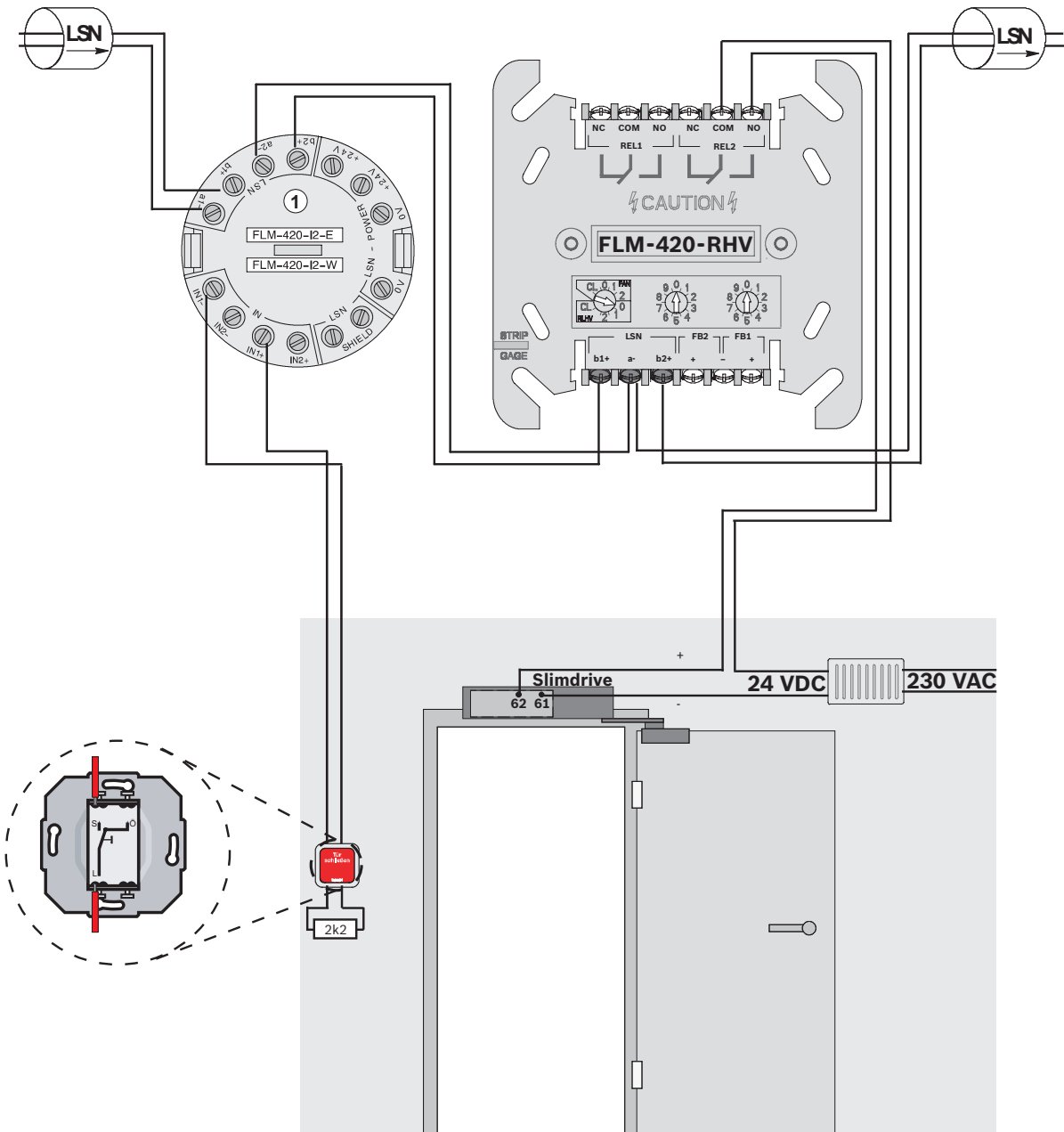
DIBT



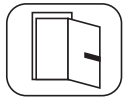


Slimdrive EMD-F/EMD F-IS

DIBT

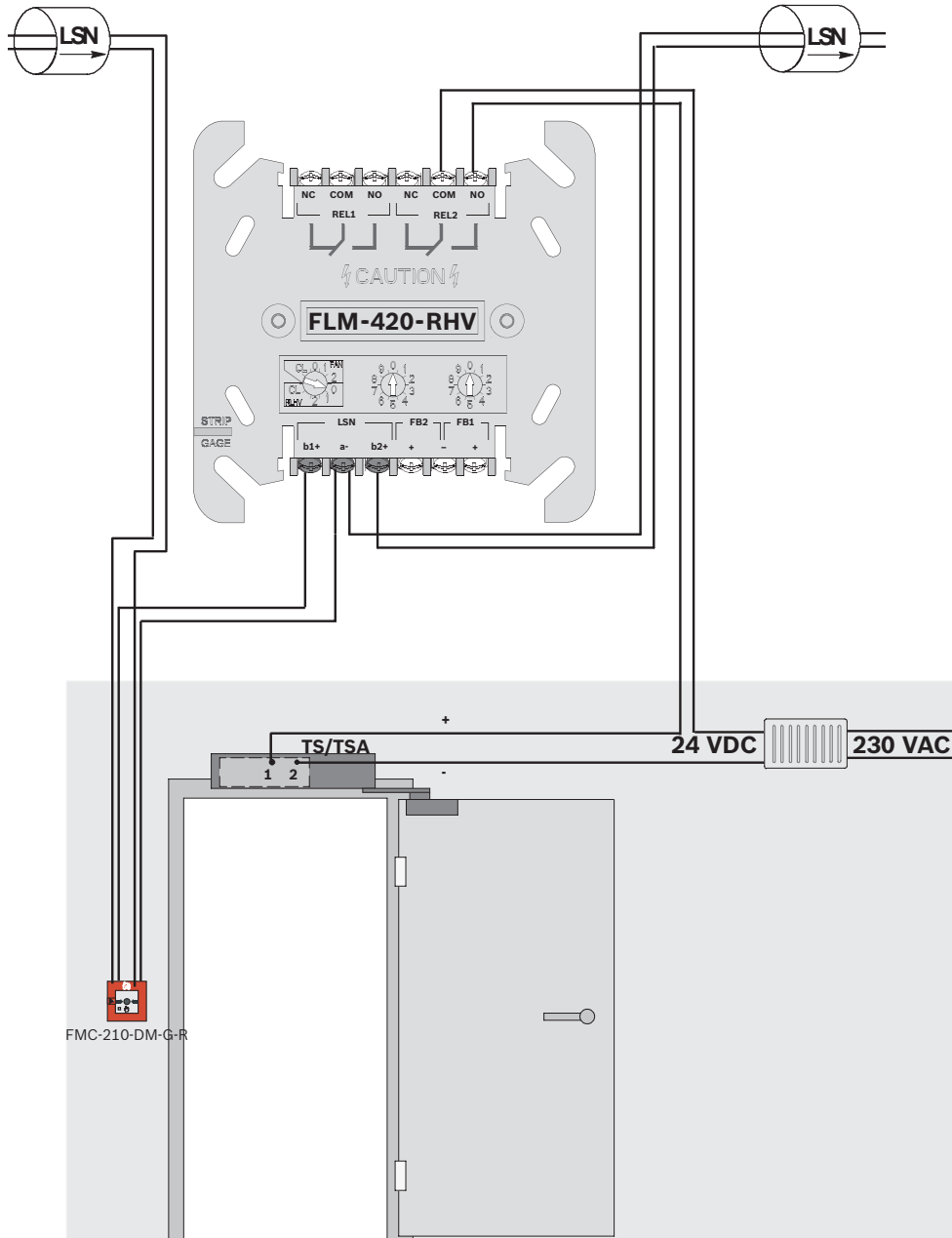






TS 4000 E/E-IS/EFS  
 TS 5000 E/E-IS/E-ISM  
 TS 550 E  
 TSA 160 NT F/F-IS/F-IS/TS

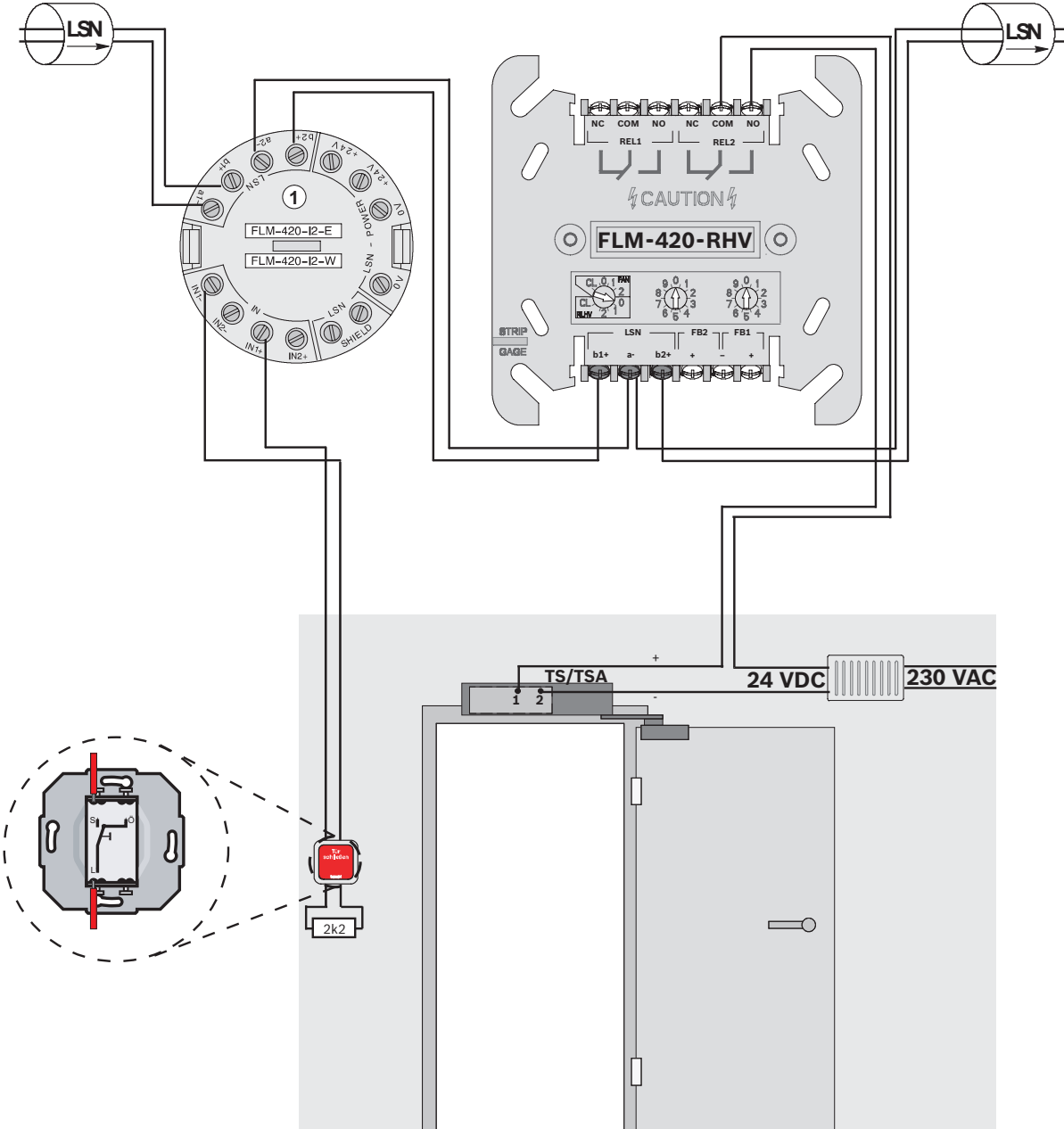
DIBT

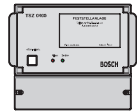
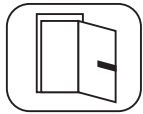




**TS 4000 E/E-IS/EFS**  
**TS 5000 E/E-IS/E-ISM**  
**TS 550 E**  
**TSA 160 NT F/F-IS/F-IS/TS**

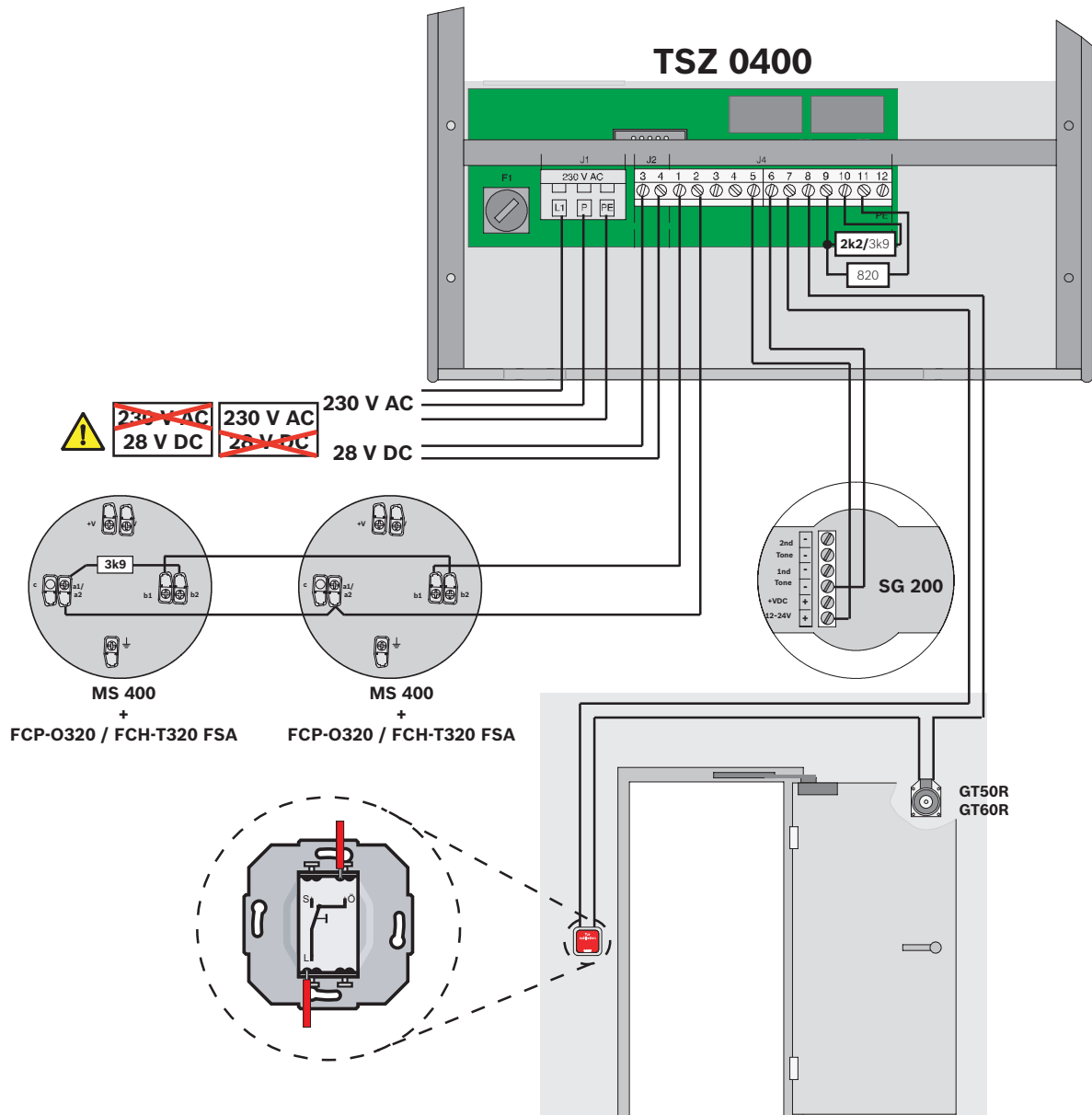
**DIBT**

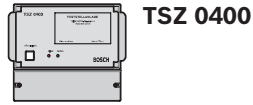




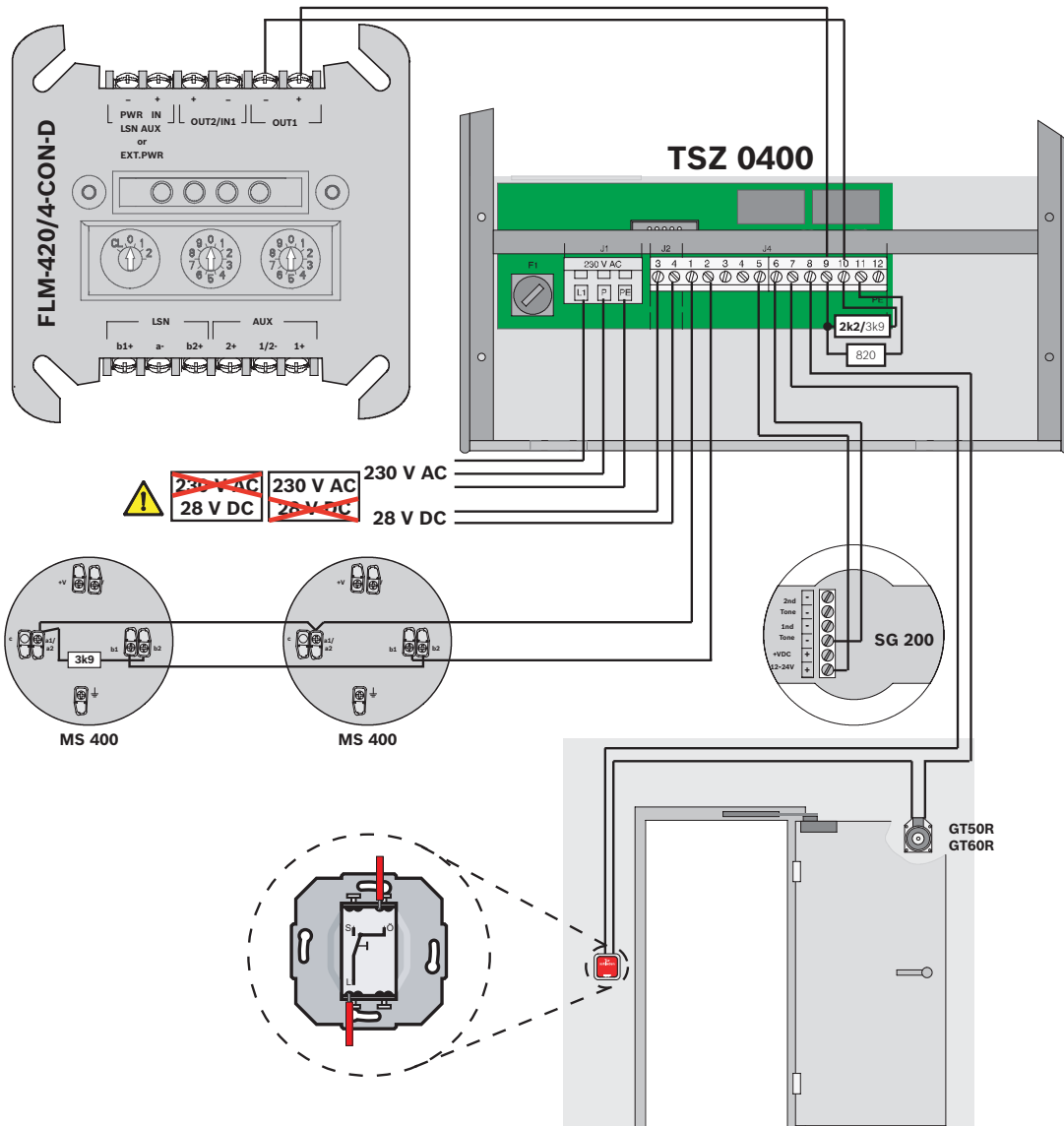
TSZ 0400

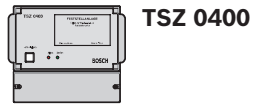
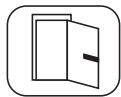
DIBT



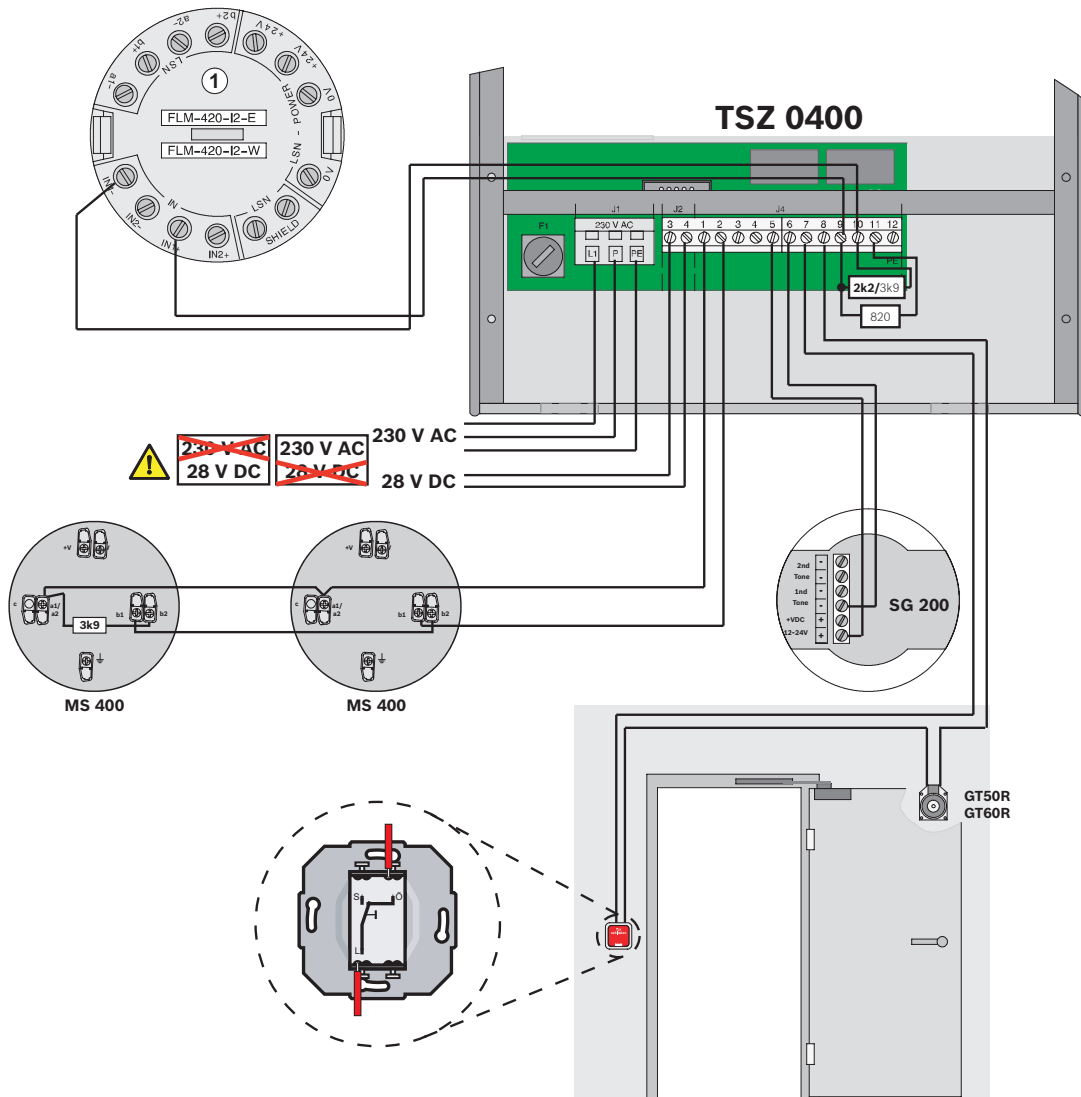


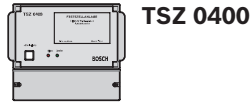
DIBT



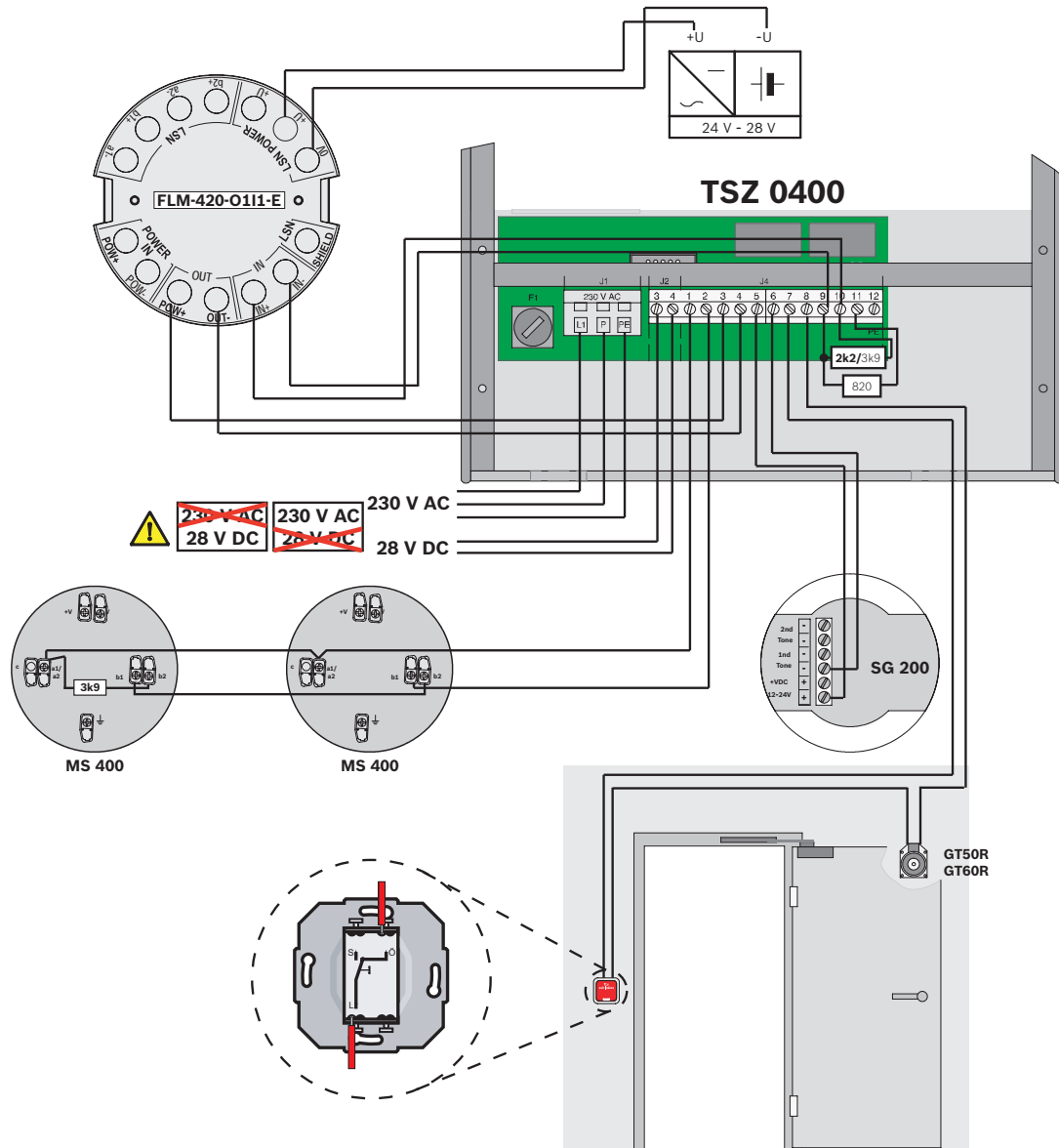


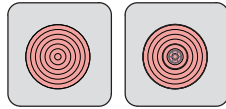
**DIBT**



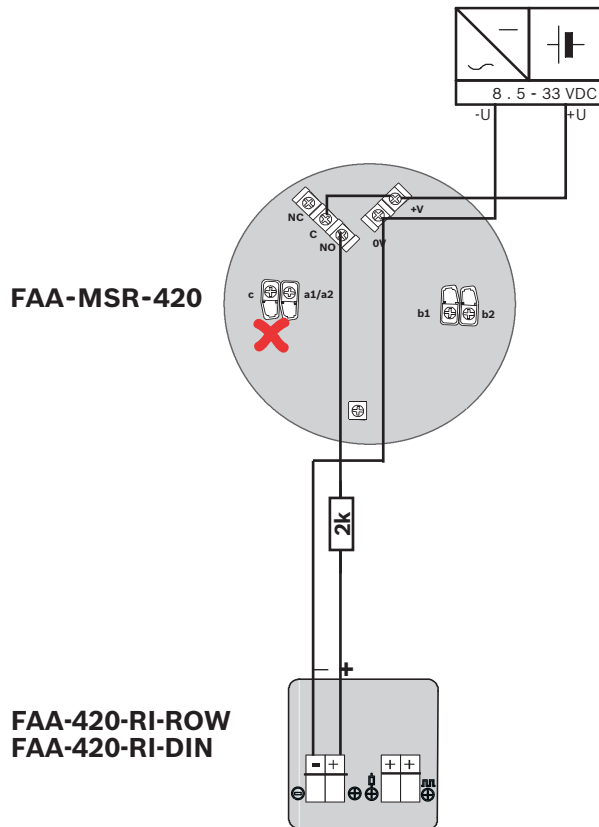
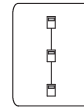


DIBT



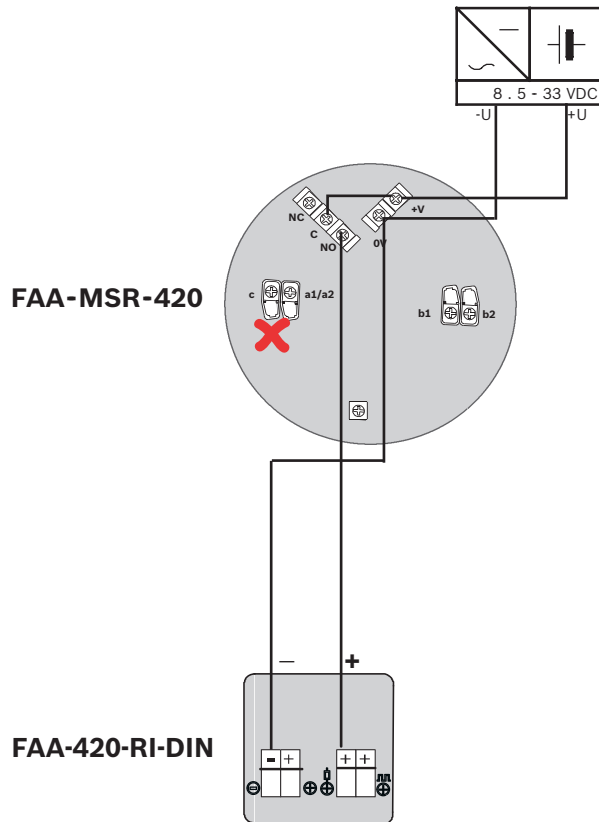
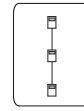


**FAA-420-RI-ROW**  
**FAA-420-RI-DIN**





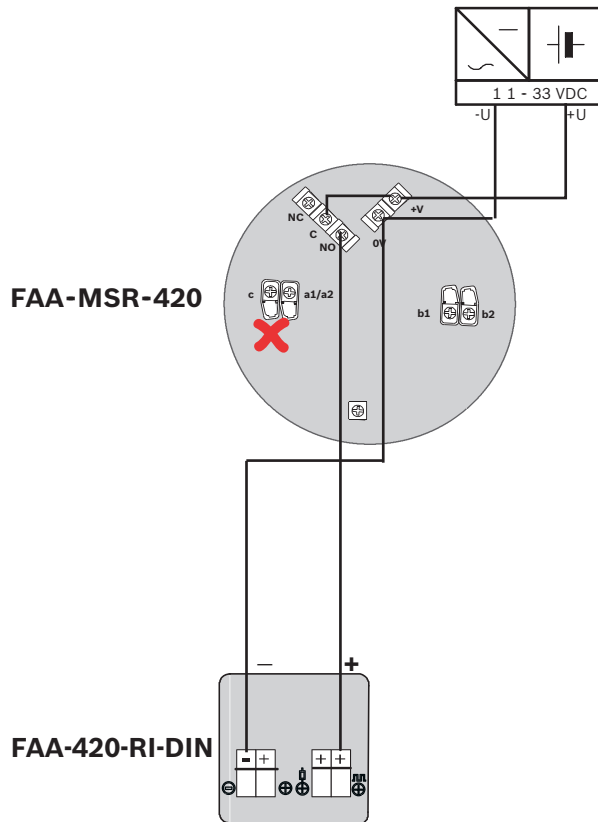
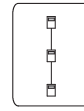
**FAA-420-RI-DIN**







**FAA-420-RI-DIN**



## 2.4

### Functional Modules



*BCM-000-B, pagină 43*

*CZM 0004 A, pagină 45*

*ENO 0000 A/B, pagină 61*

*LSN 0300 A, pagină 68*

*NZM 0002 A, pagină 106*

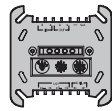
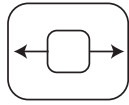
*RMH 0002 A, pagină 119*

*IOS 0020 A, pagină 120*

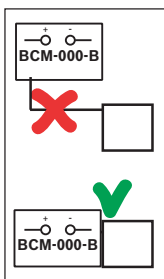
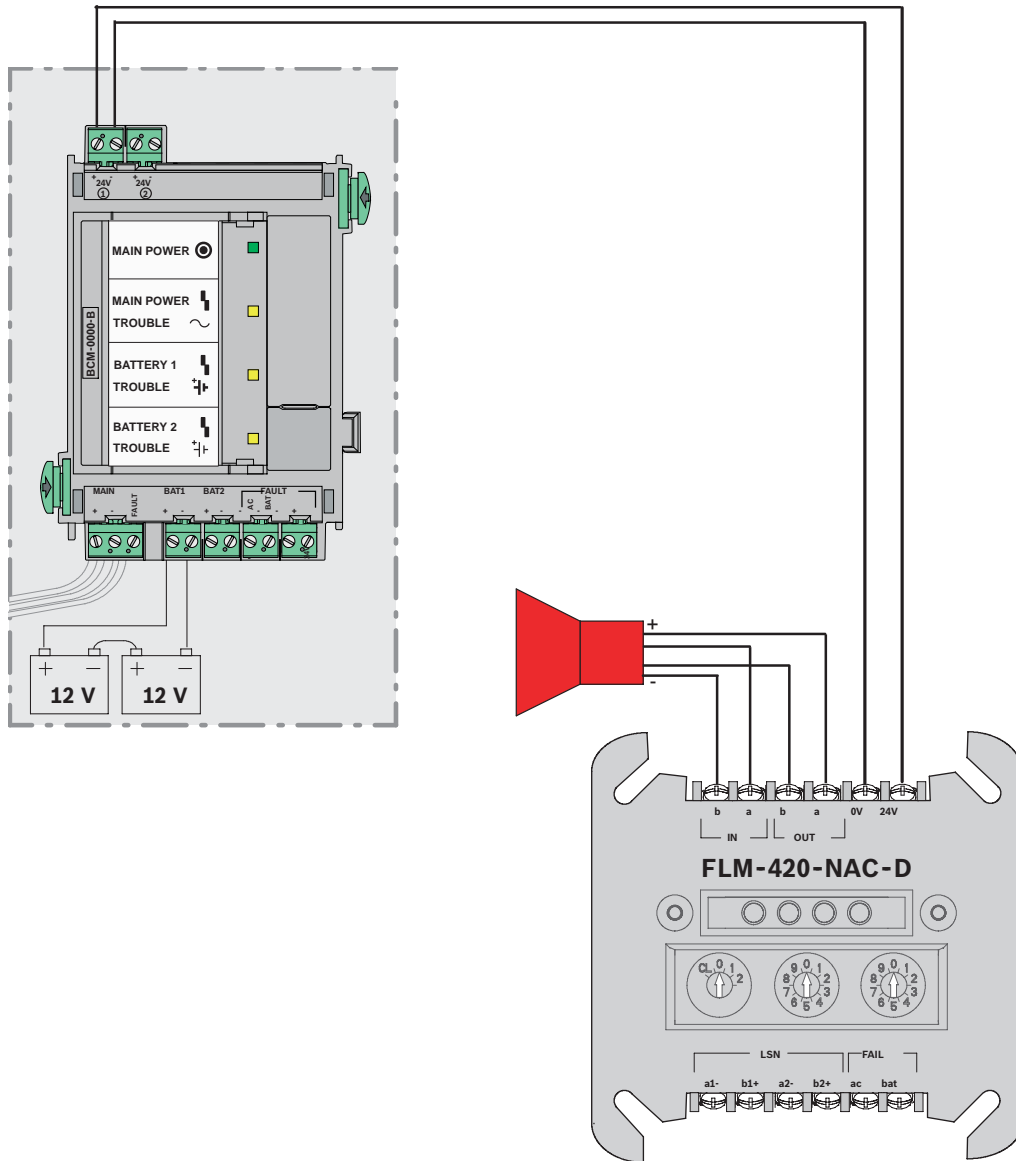
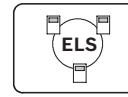
*FPE-5000-UGM, pagină 122*

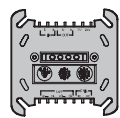
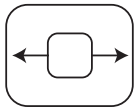
2.4.1

BCM-000-B

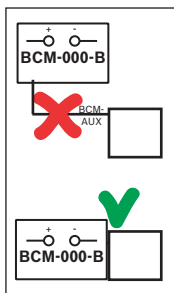
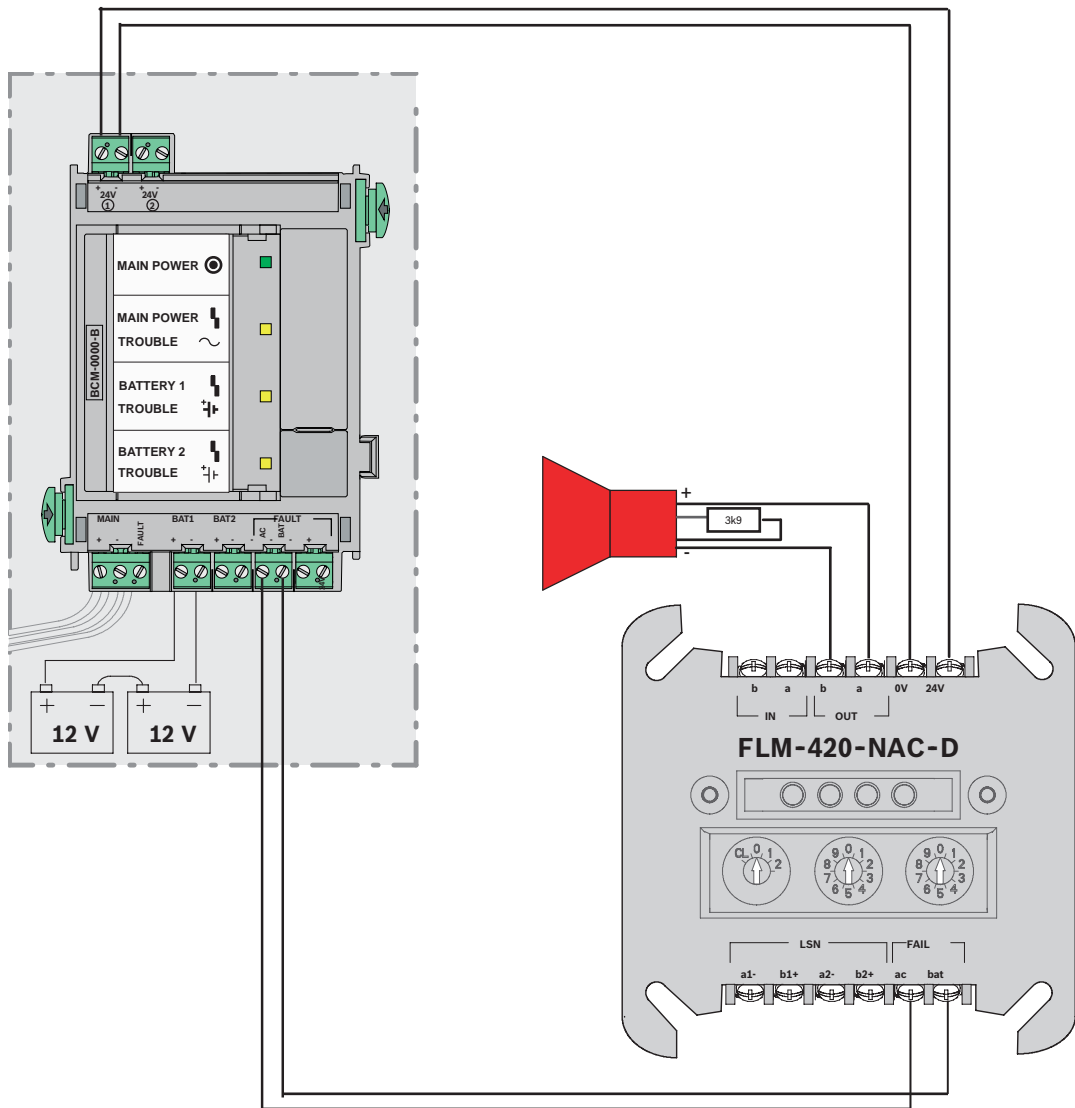
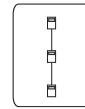


FLM-420-NAC-D





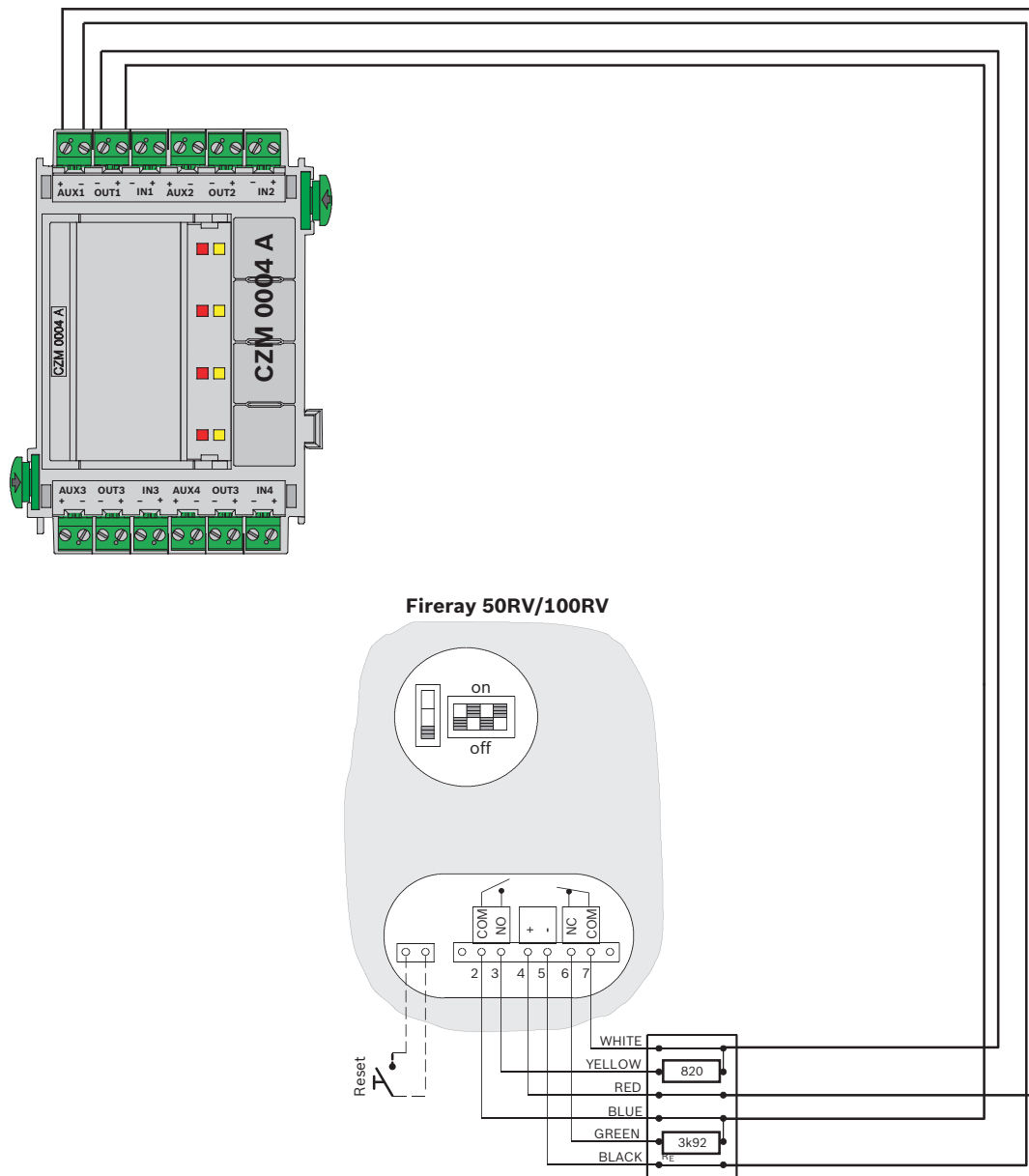
**FLM-420-NAC-D**



### 2.4.2 CZM 0004 A



**Firearay 50RV**  
**Firearay 100RV**



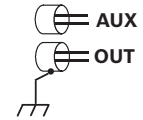
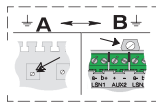
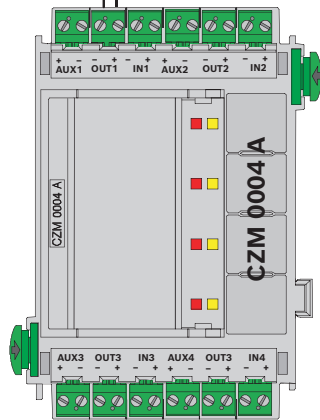


**FIRERAY3000**

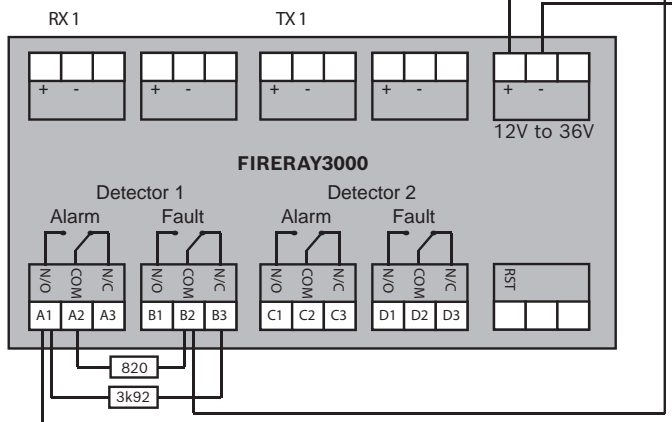
1 x



BCM-0000-B  
LSN 0300 A  
LSN 1500 A



**Reset action**

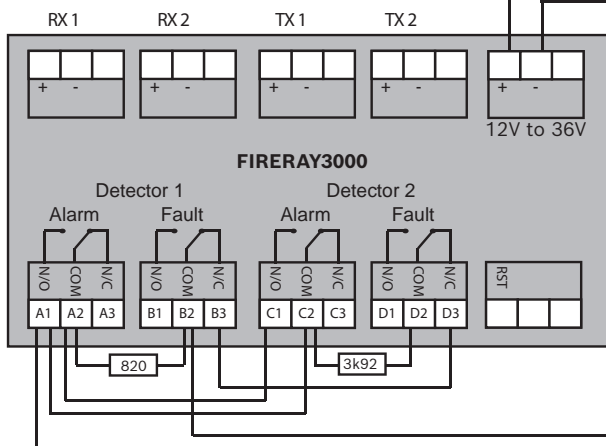
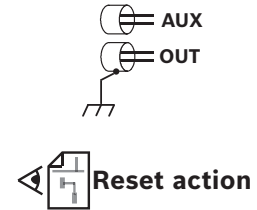
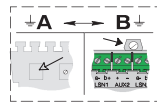
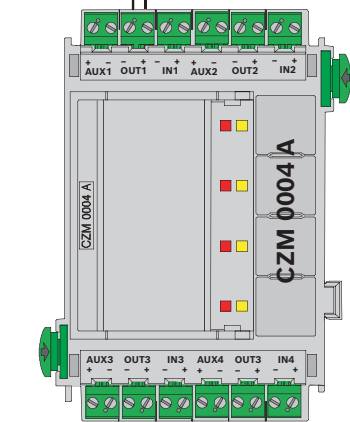




**FIRERAY3000**  
2 x  **OUT1**



BCM-0000-B  
LSN 0300 A  
LSN 1500 A

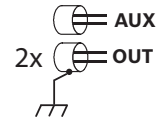
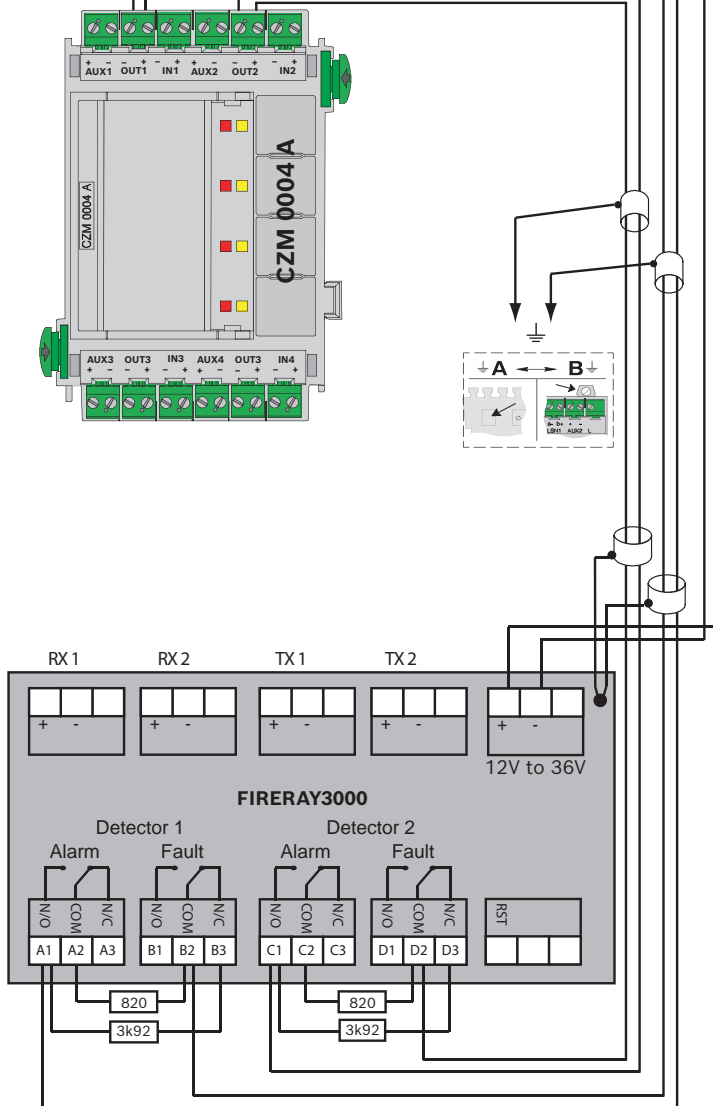




**FIRERAY3000**  
2 x **OUT1+2**



BCM-0000-B  
LSN 0300 A  
LSN 1500 A



**Reset action**



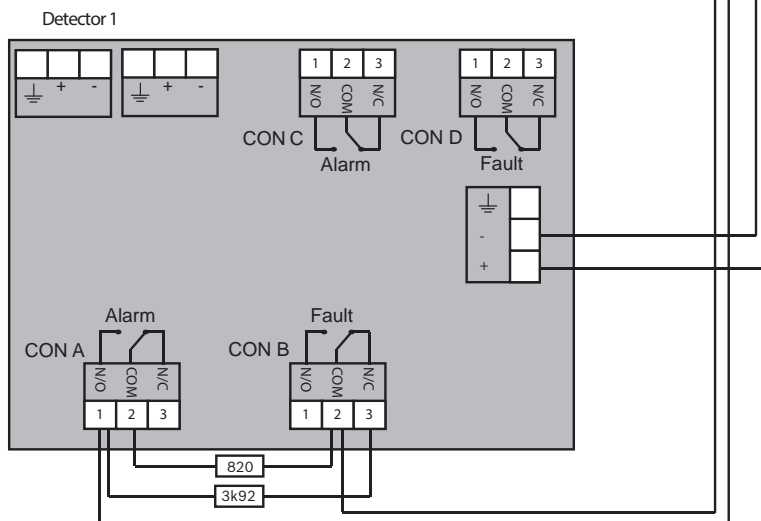
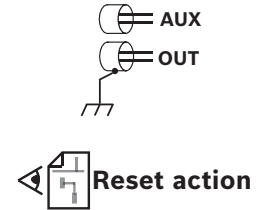
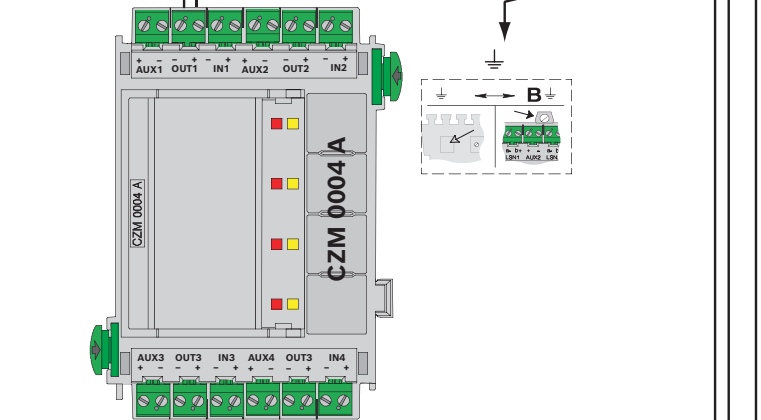


**FIRERAY5000**

1 x



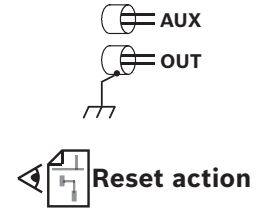
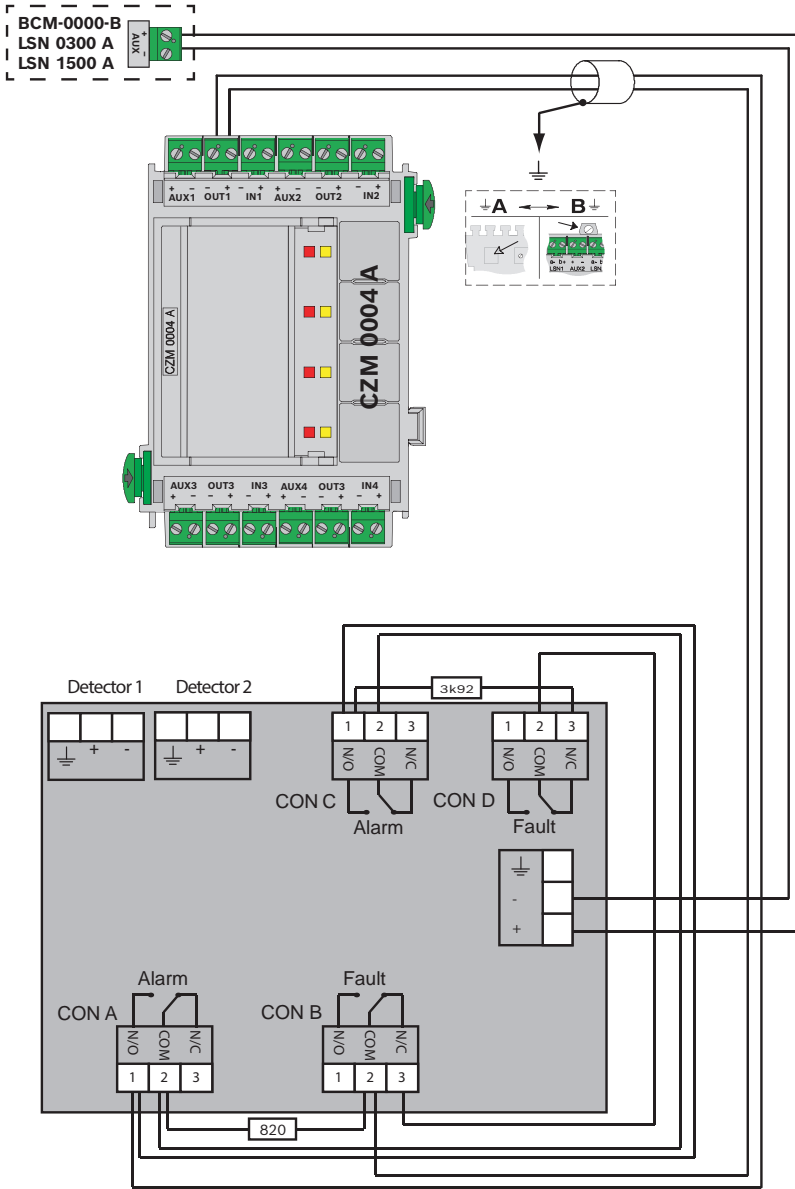
BCM-0000-B  
LSN 0300 A  
LSN 1500 A

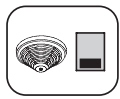




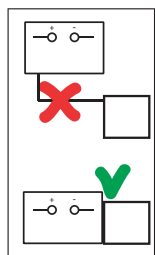
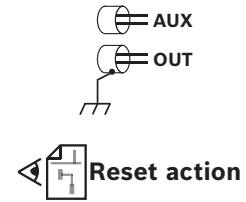
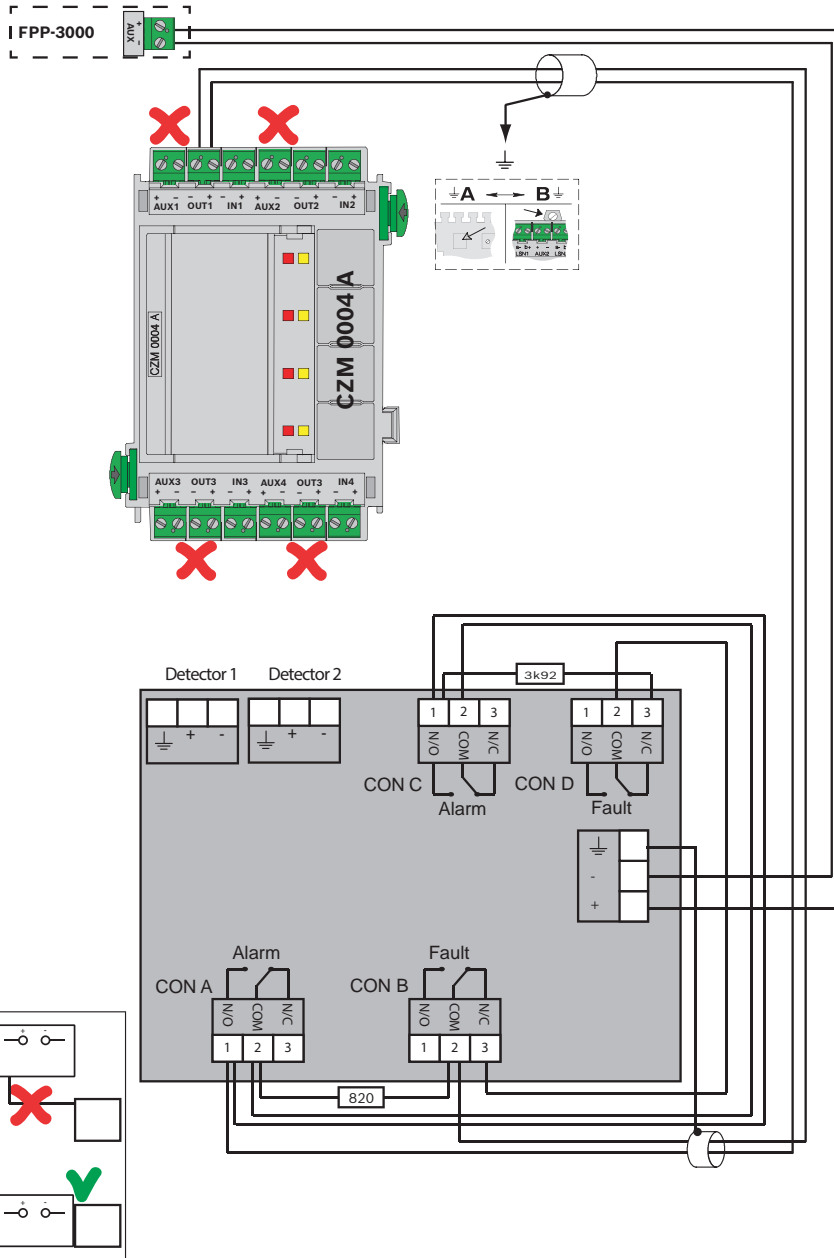
**FIRERAY5000**

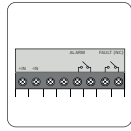
**2 x OUT1**



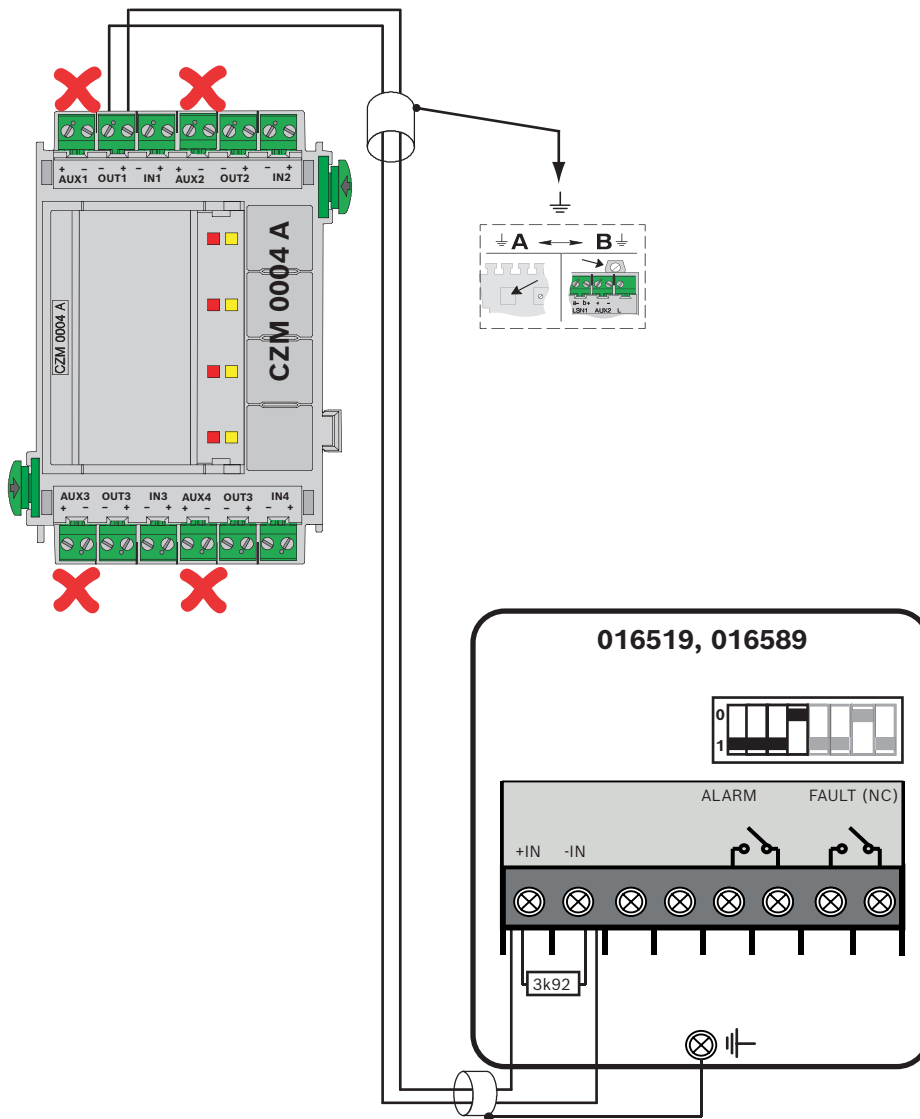
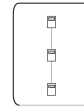


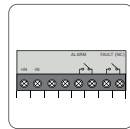
**FIRERAY5000**  
2 x **OUT1**



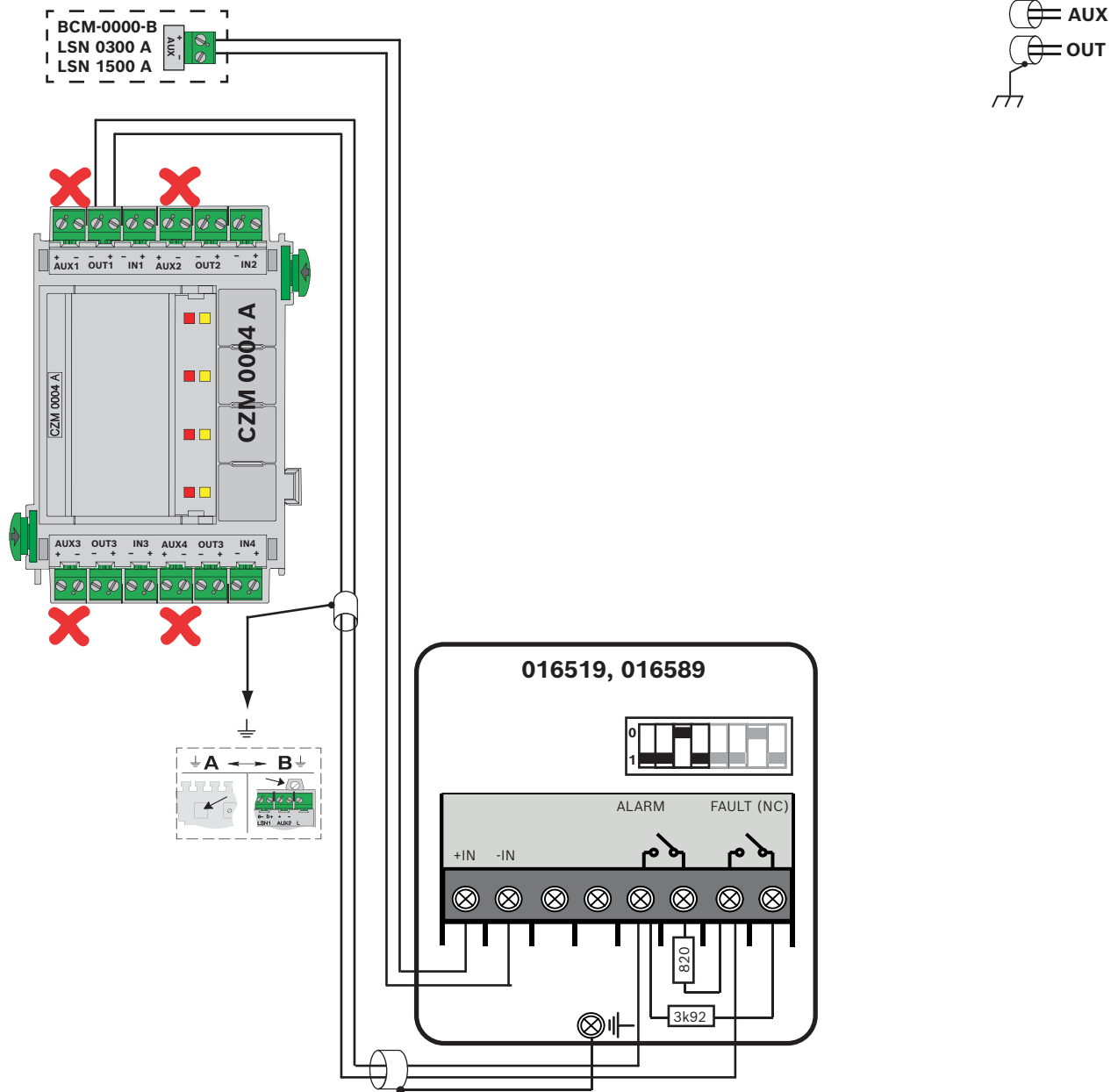
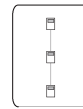


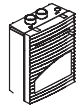
**016519, 016589  
IR3 Flame Detector**



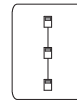


**016519, 016589**  
**IR3 Flame Detector**

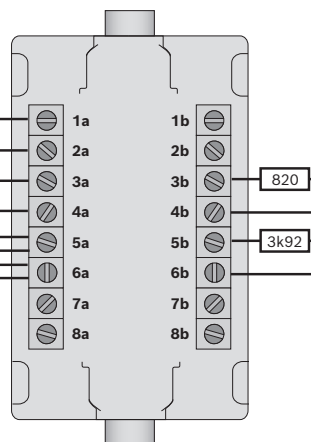
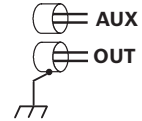
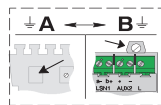
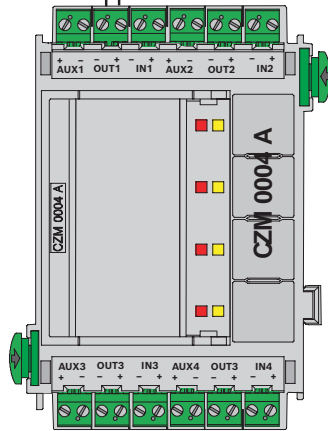


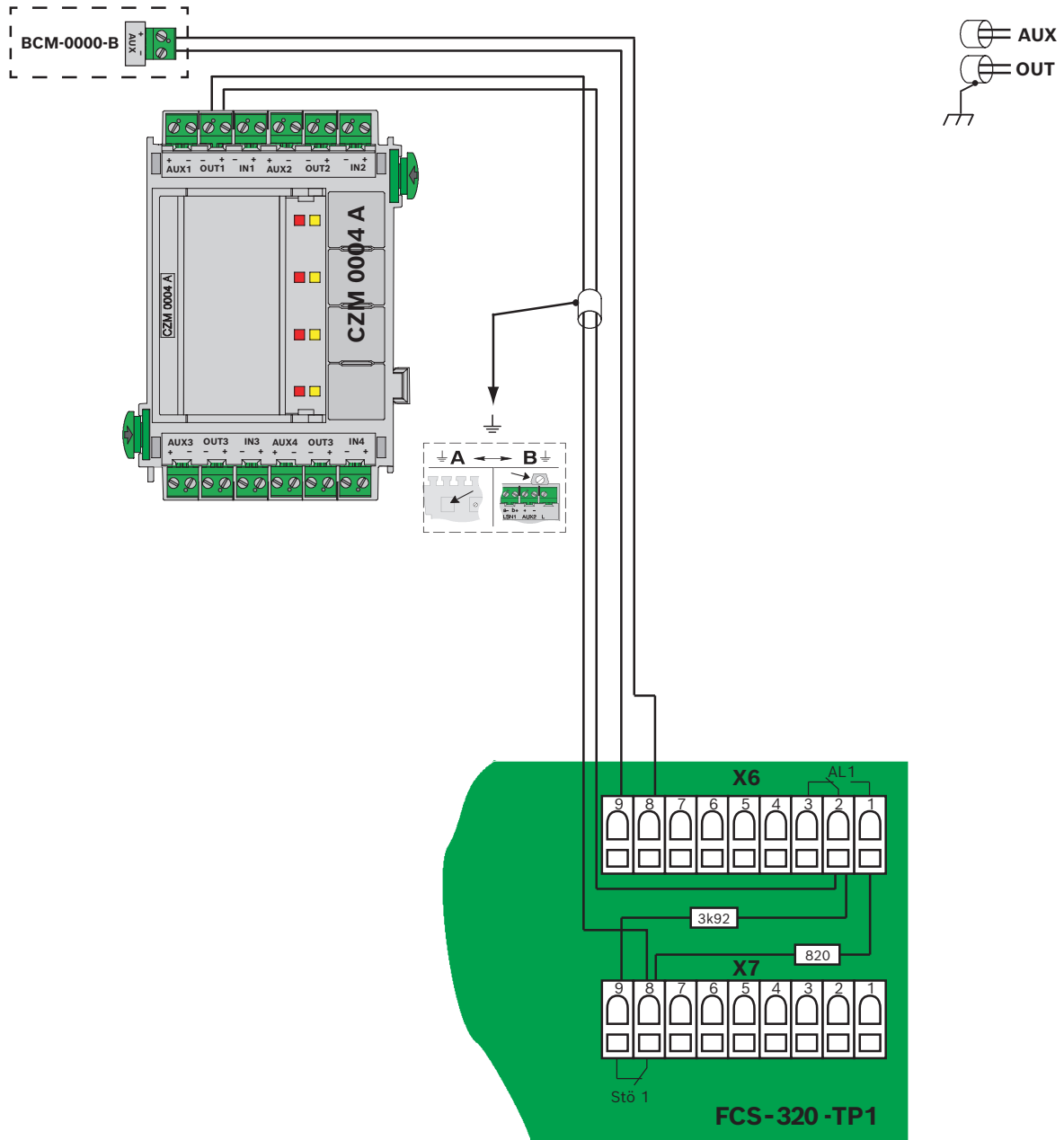
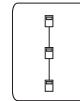
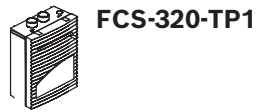


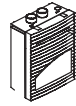
FCS-320-TM Series



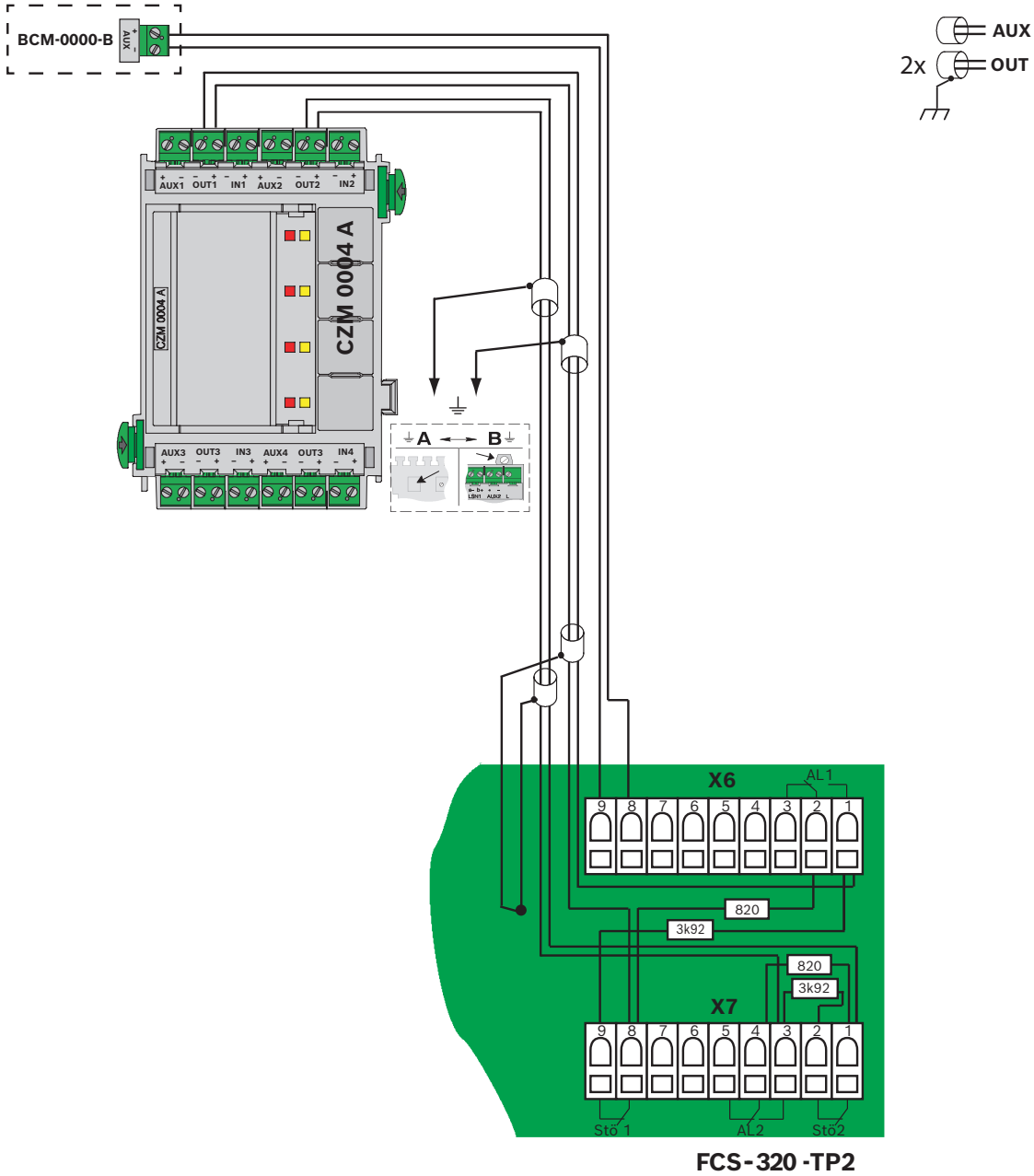
BCM-0000-B  
LSN 0300 A  
LSN 1500 A







FCS-320-TP2

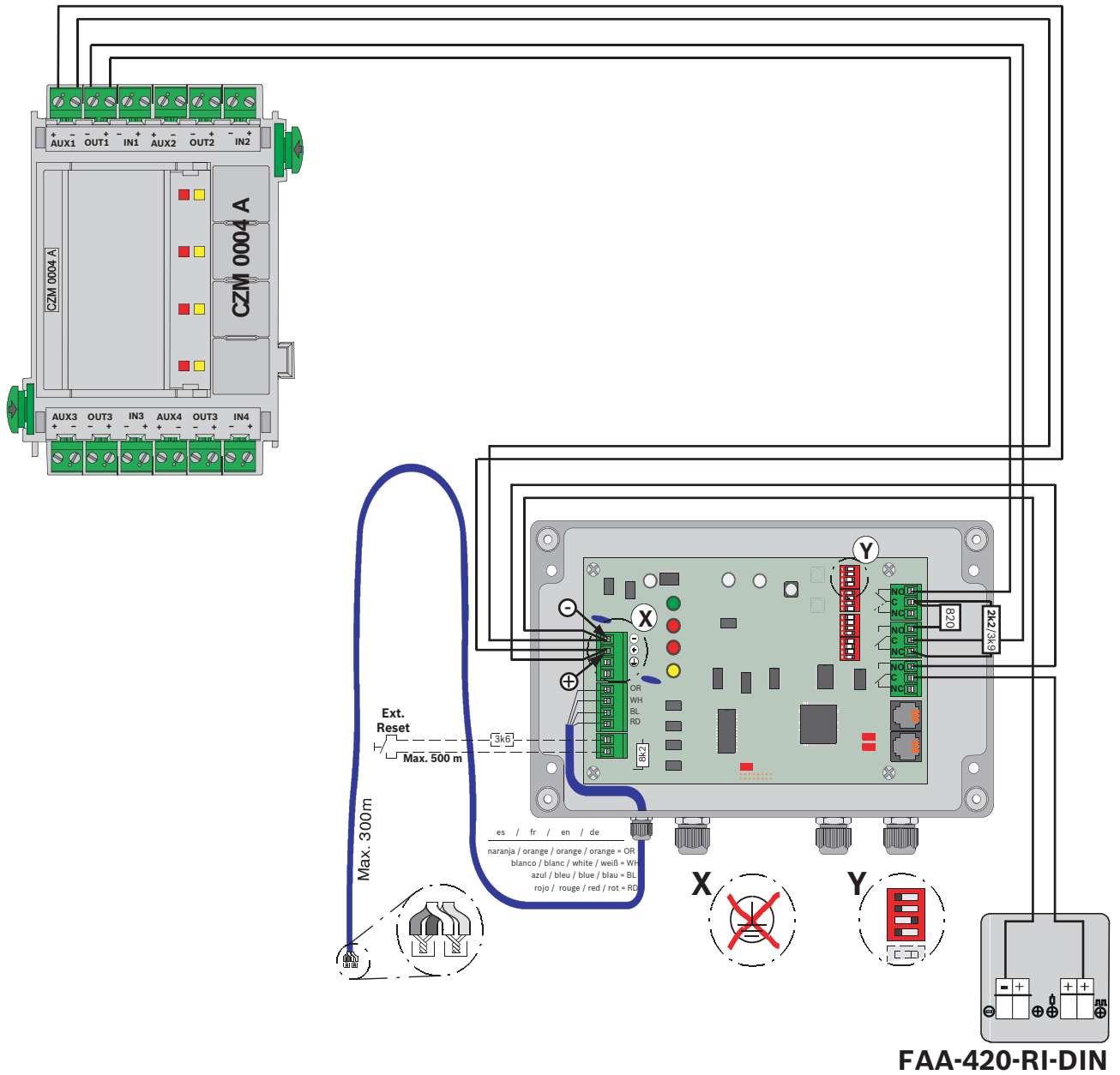


FCS-320-TP2



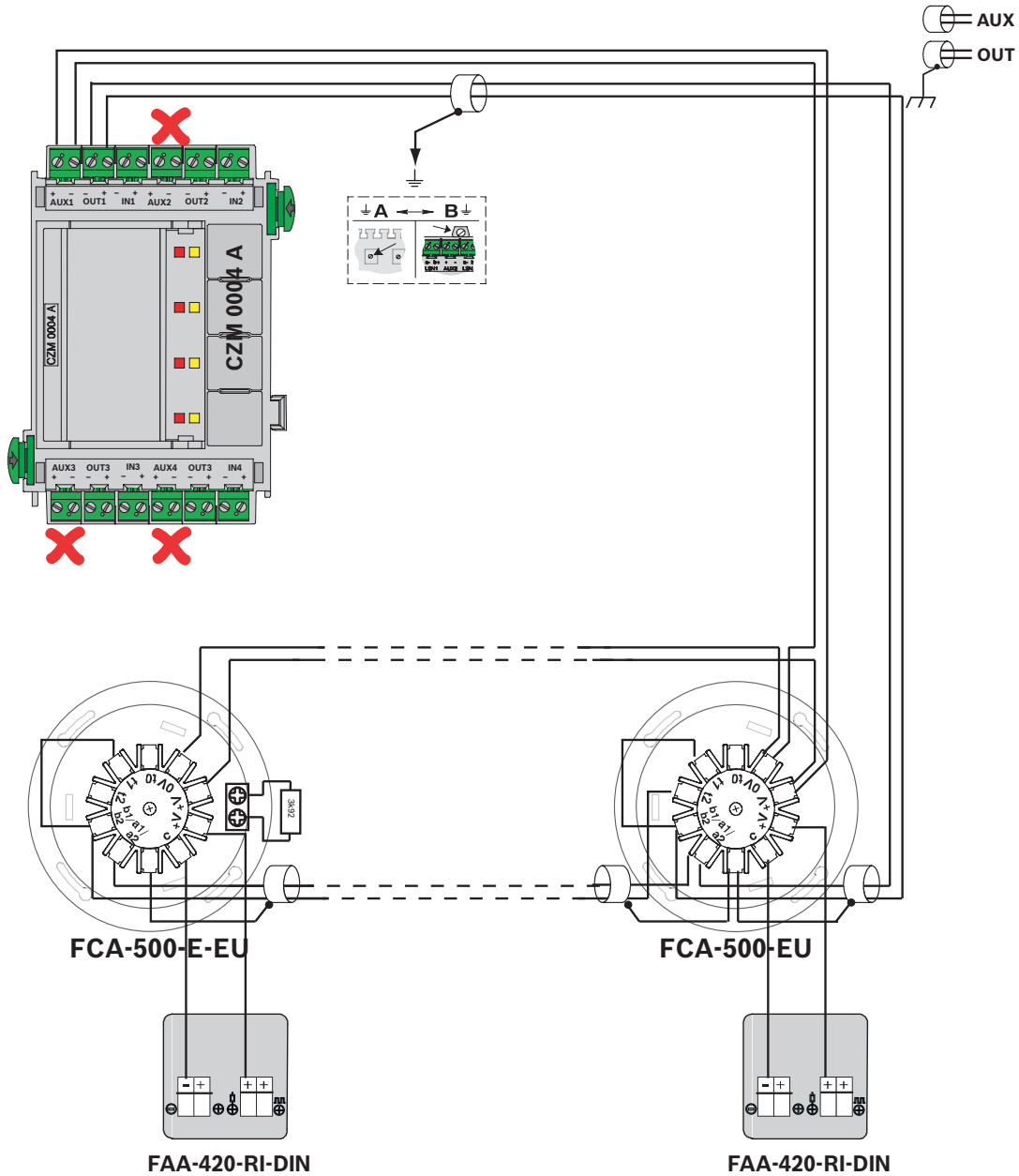


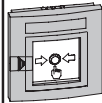
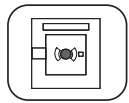
FCS-LWM-1



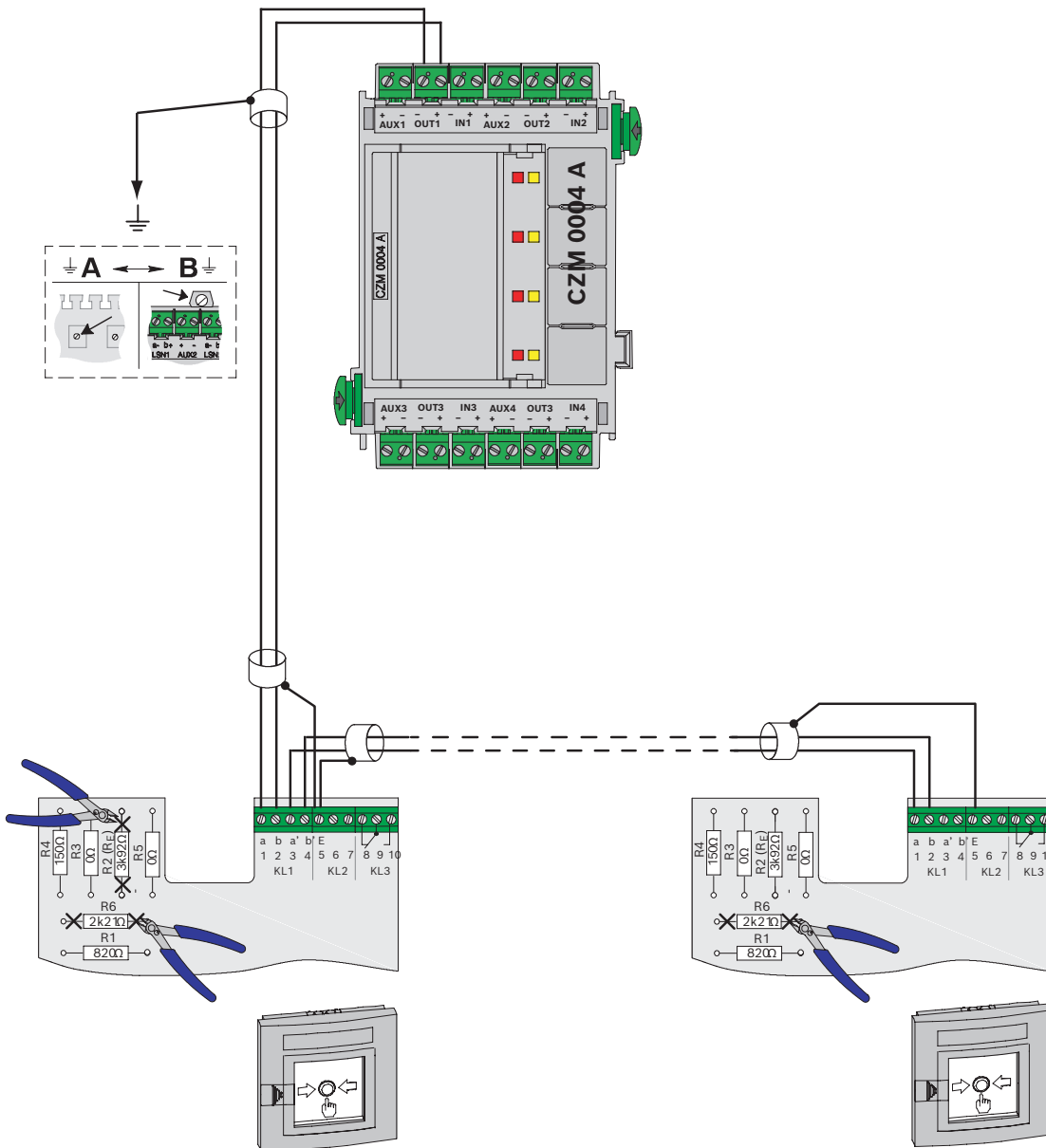
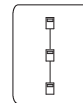


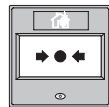
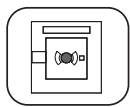
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 FCP-O 500  
 FCP-O 500-P  
 FCP-OC 500  
 FCP-OC 500-P



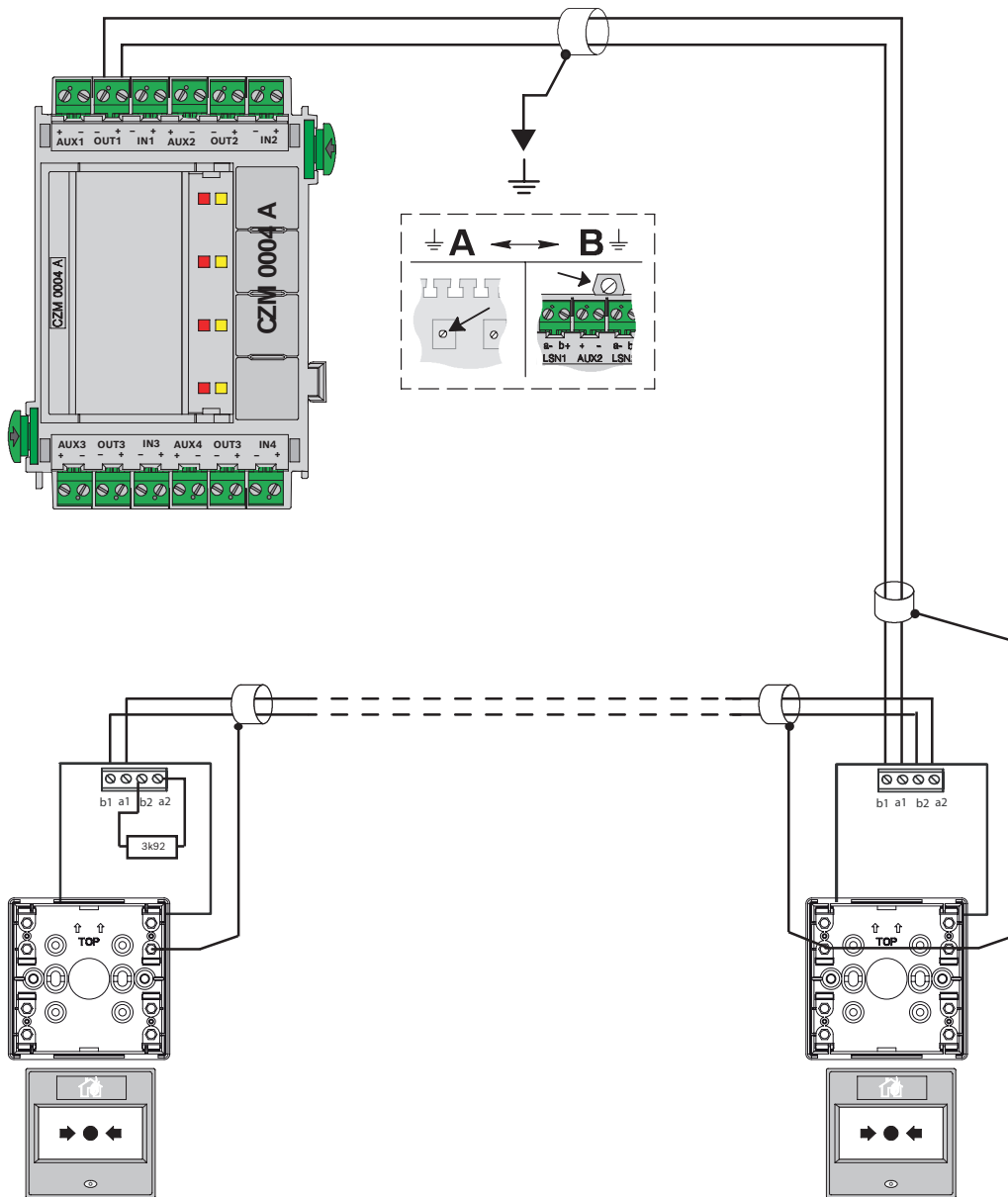
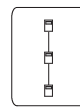


**FMC-120-DKM-G-R**  
**FMC-120-DKM-H-R**  
**FMC-120-DKM-G-B**  
**FMC-120-DKM-H-B**  
**FMC-120-DKM-G-Y**





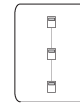
**FMC-300RW-GSGBU**  
**FMC-300RW-GSRBU**  
**FMC-300RW-GSGRD**  
**FMC-300RW-GSRRD**  
**FMC-300RW-GSGYE**  
**FMC-300RW-GSRYE**



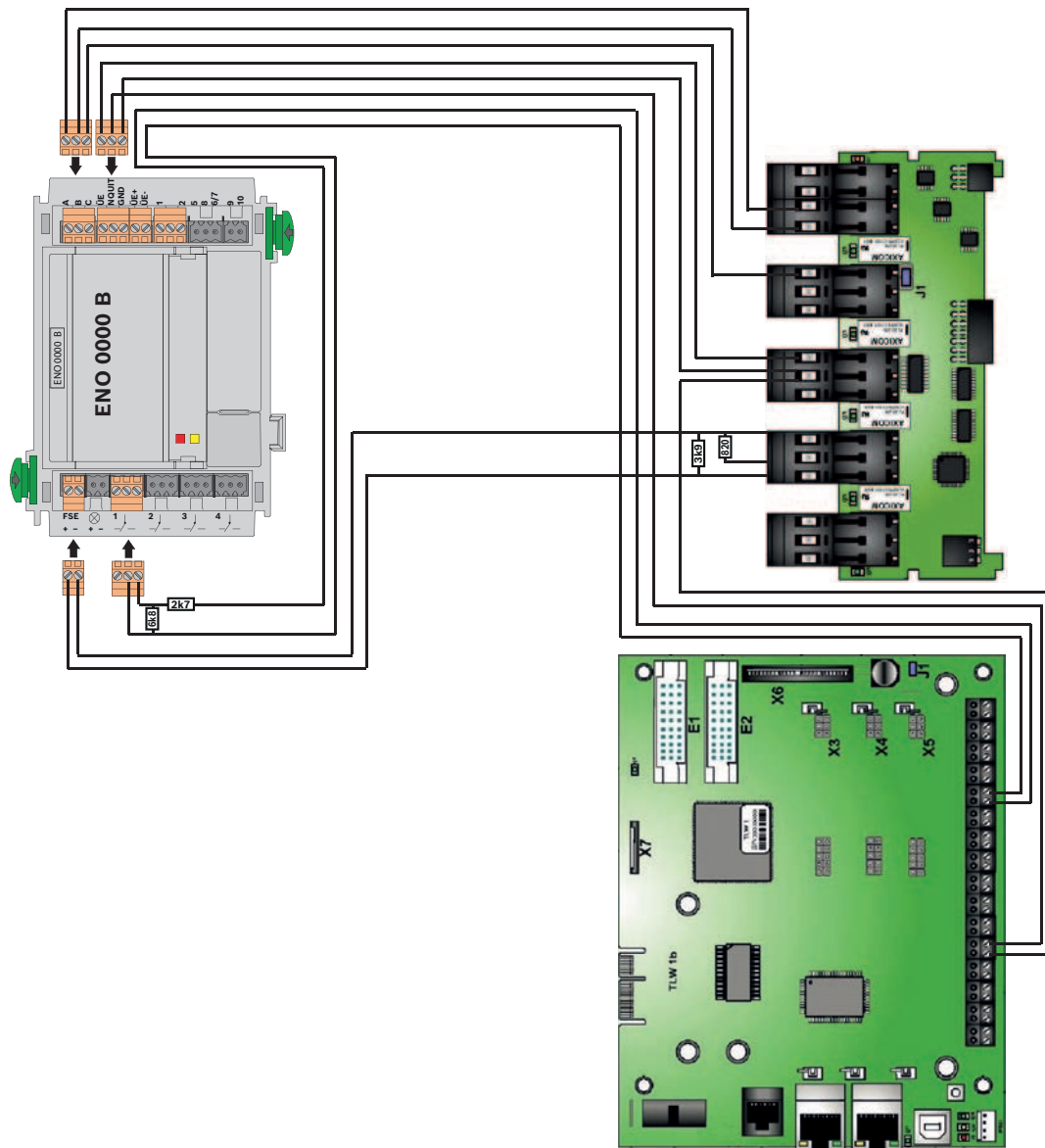
### 2.4.3 ENO 0000 A/B

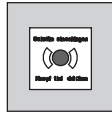
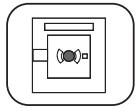


AT5000 IP/GPRS

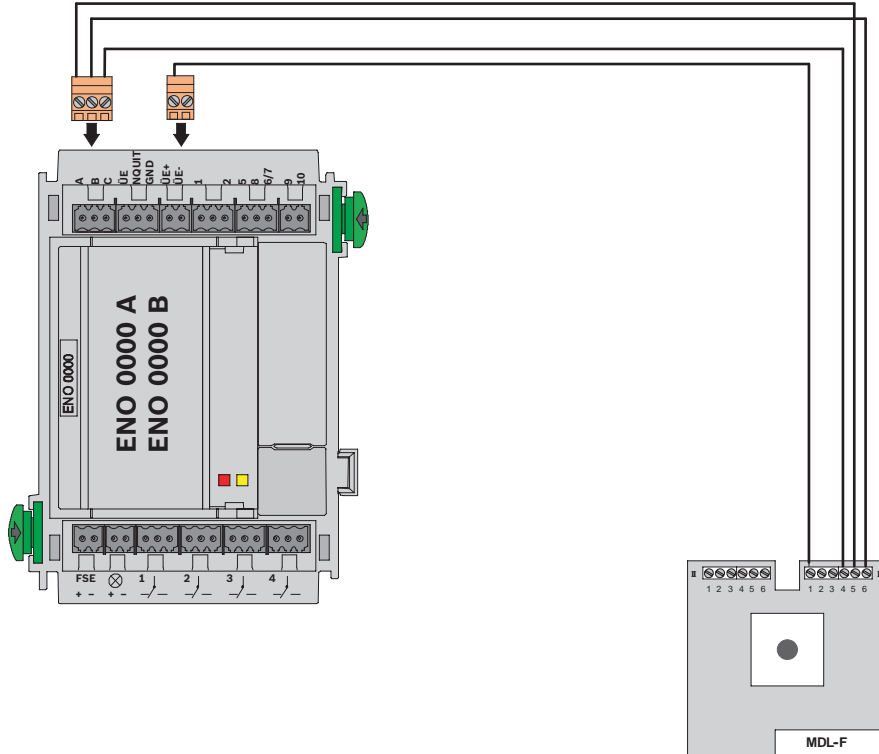


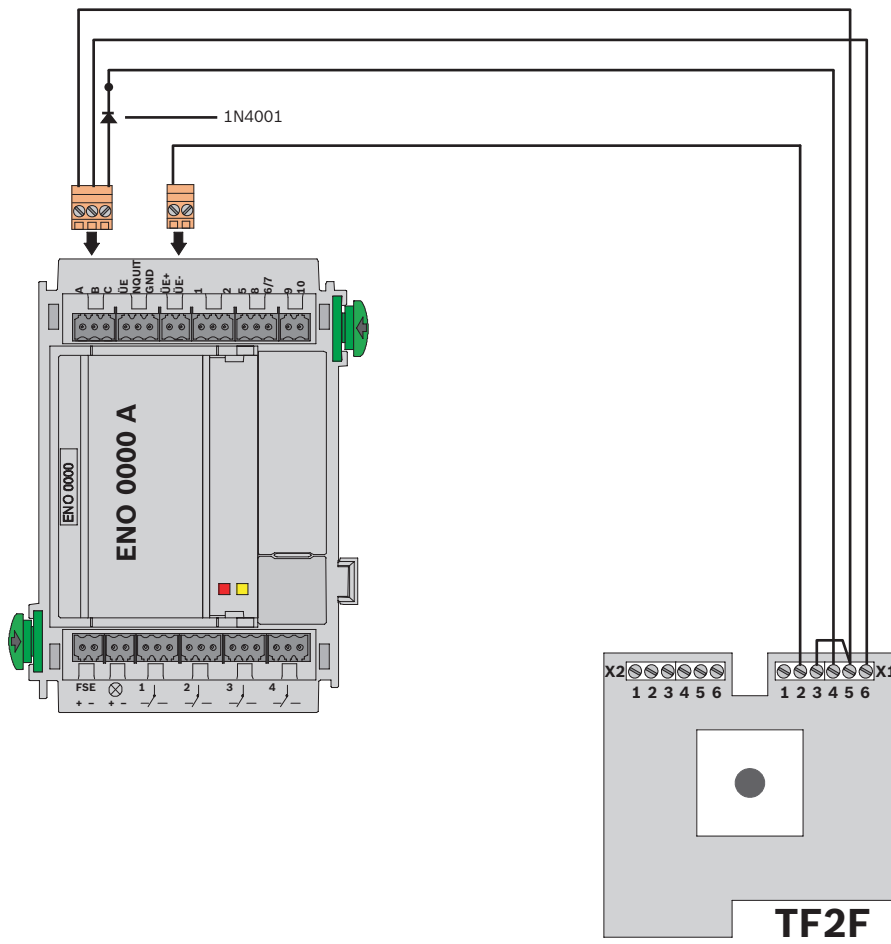
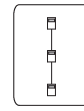
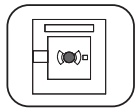
EN 54-2

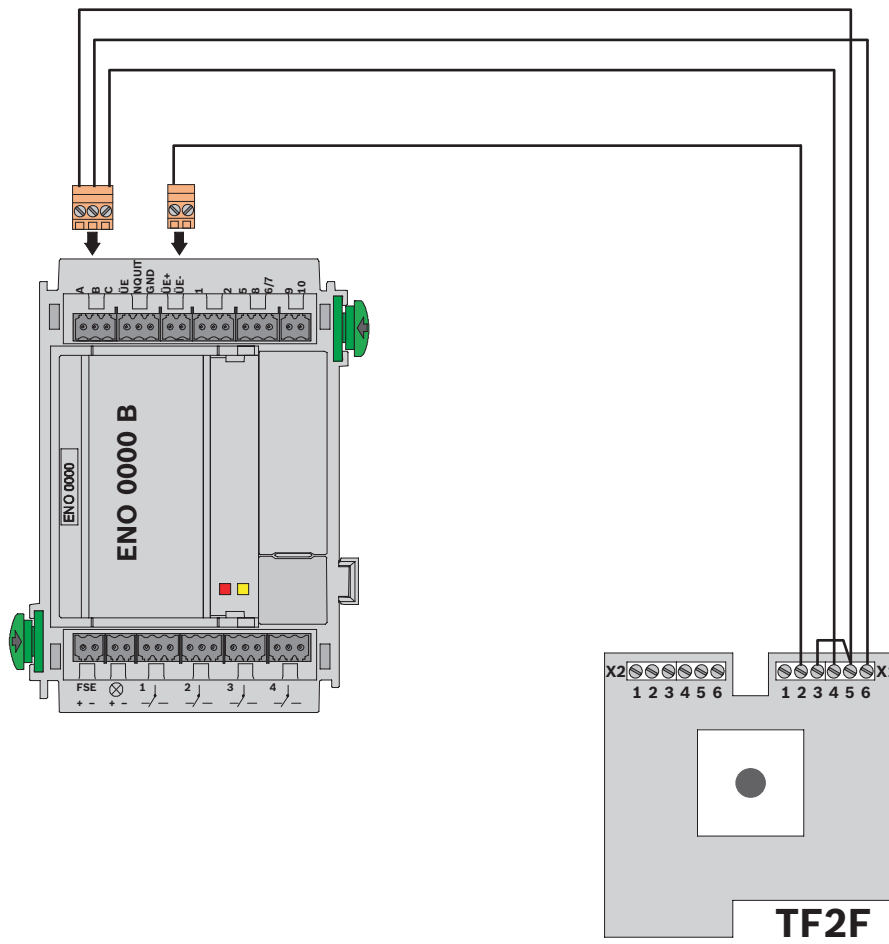
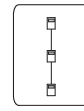
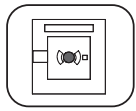




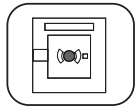
**MDL-F**



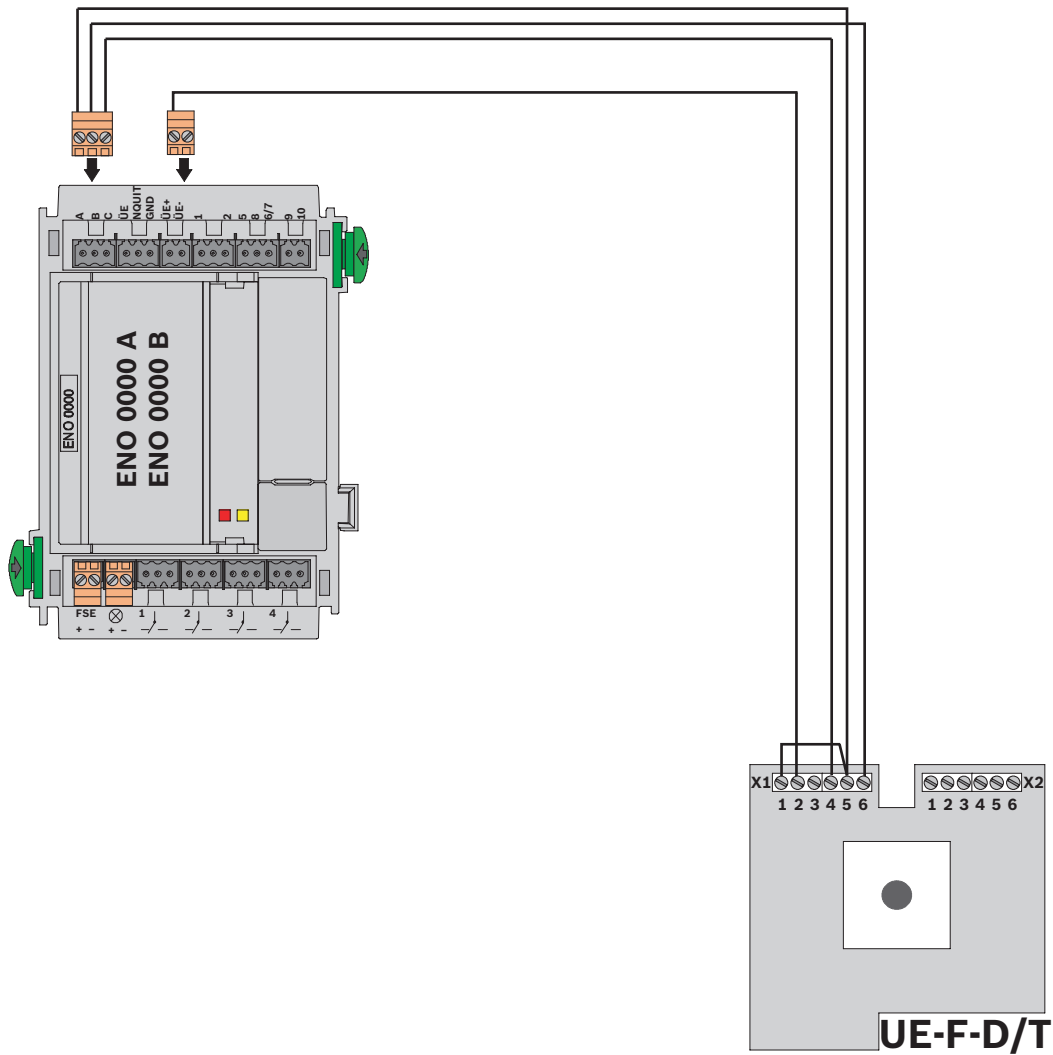


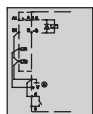




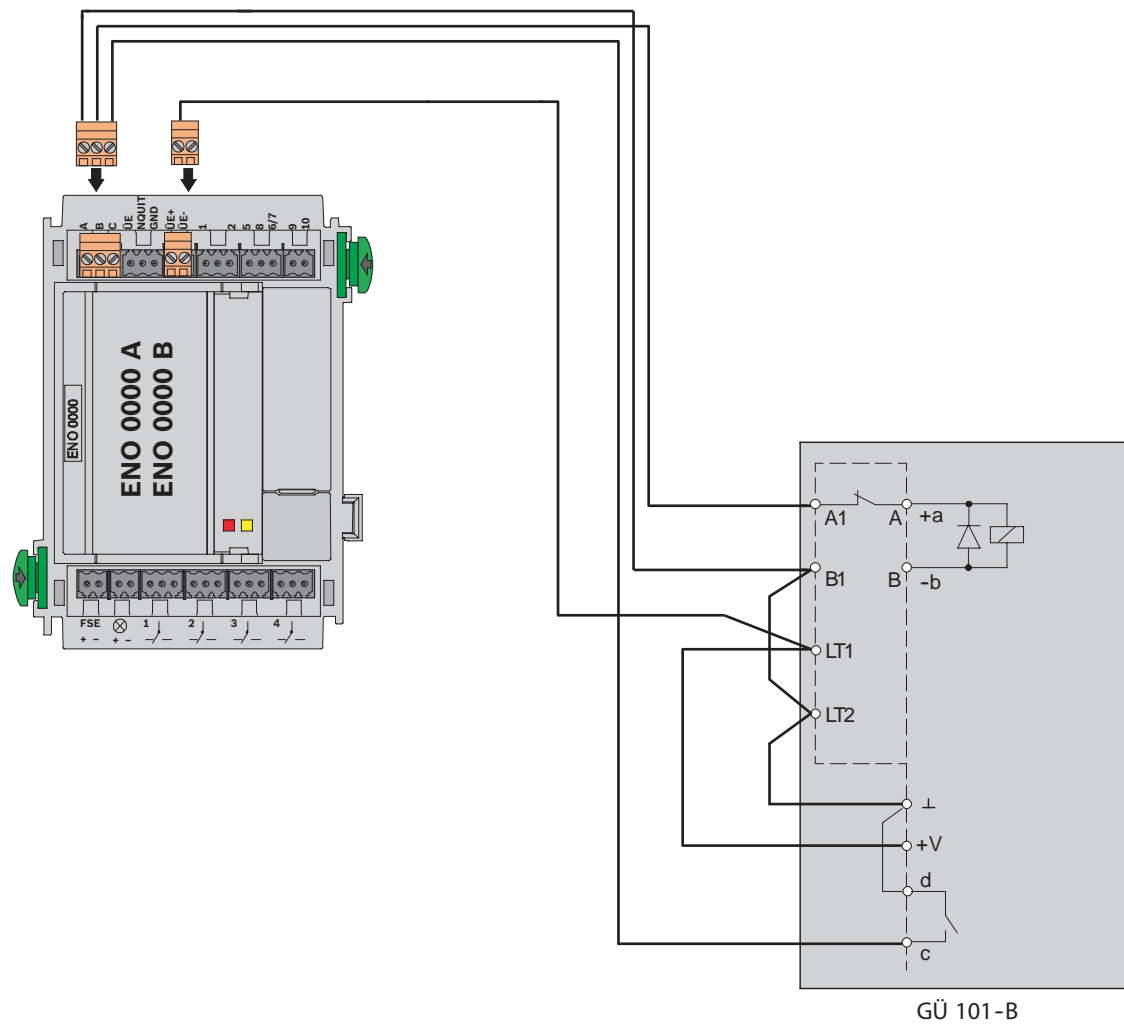
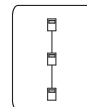


UE-F-D/T

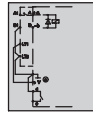




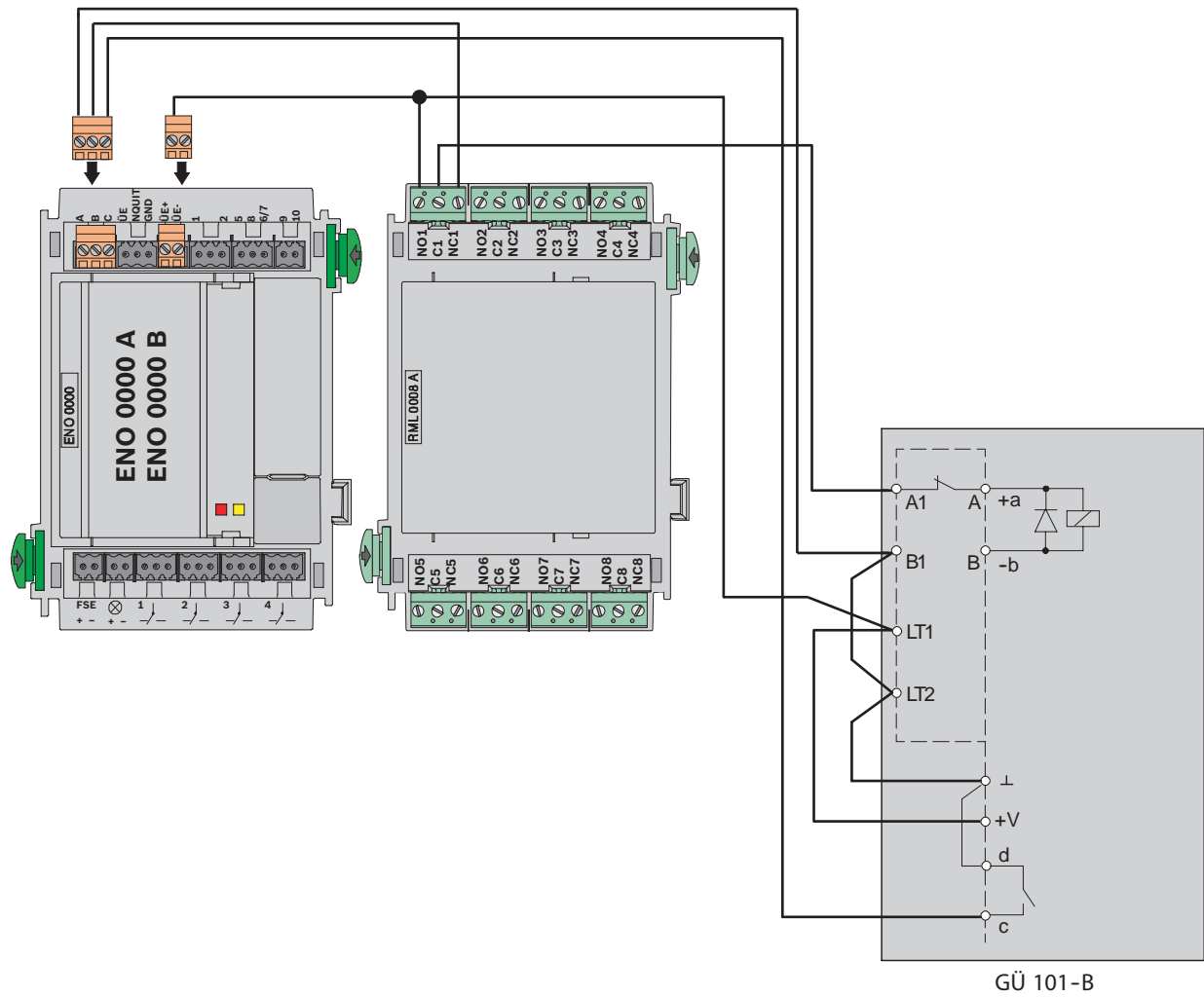
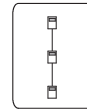
**GÜ 101-B**



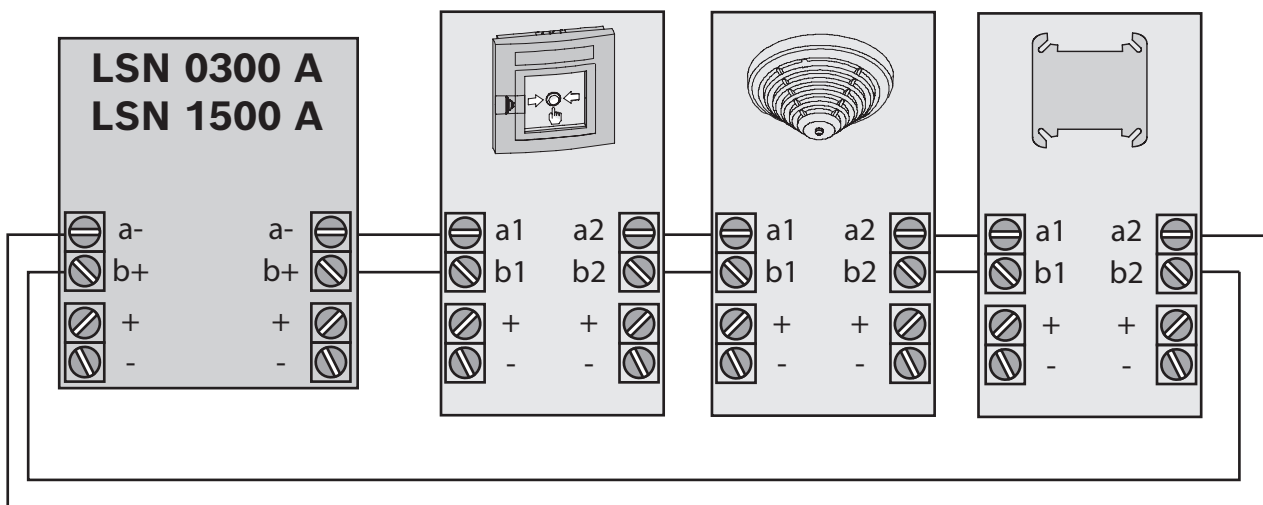
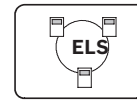
**GÜ 101-B**

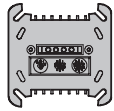
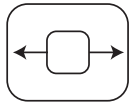


**GÜ 101-B**

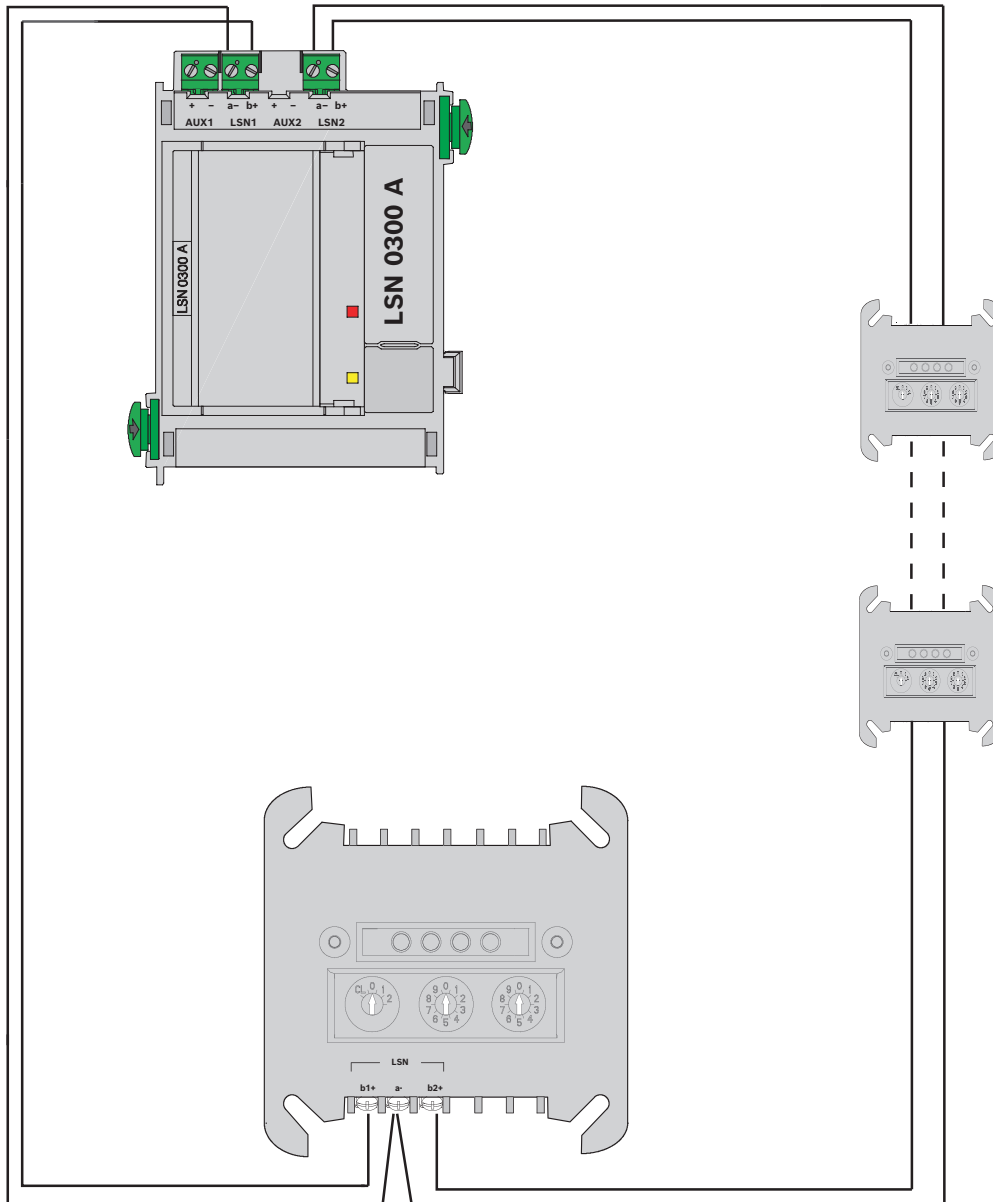
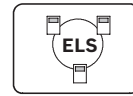


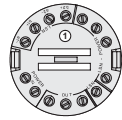
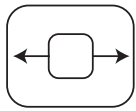
### 2.4.4 LSN 0300 A



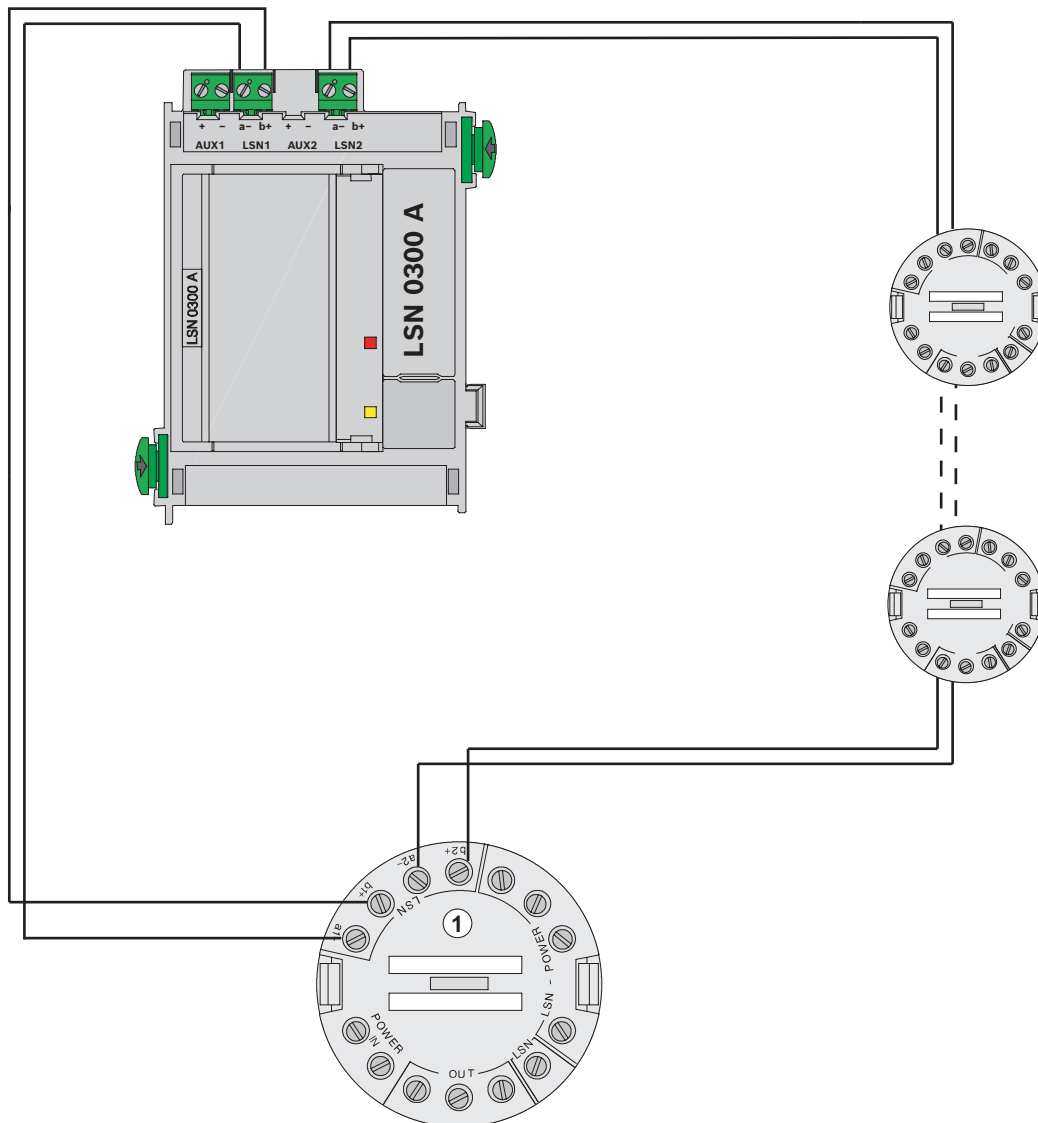
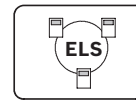


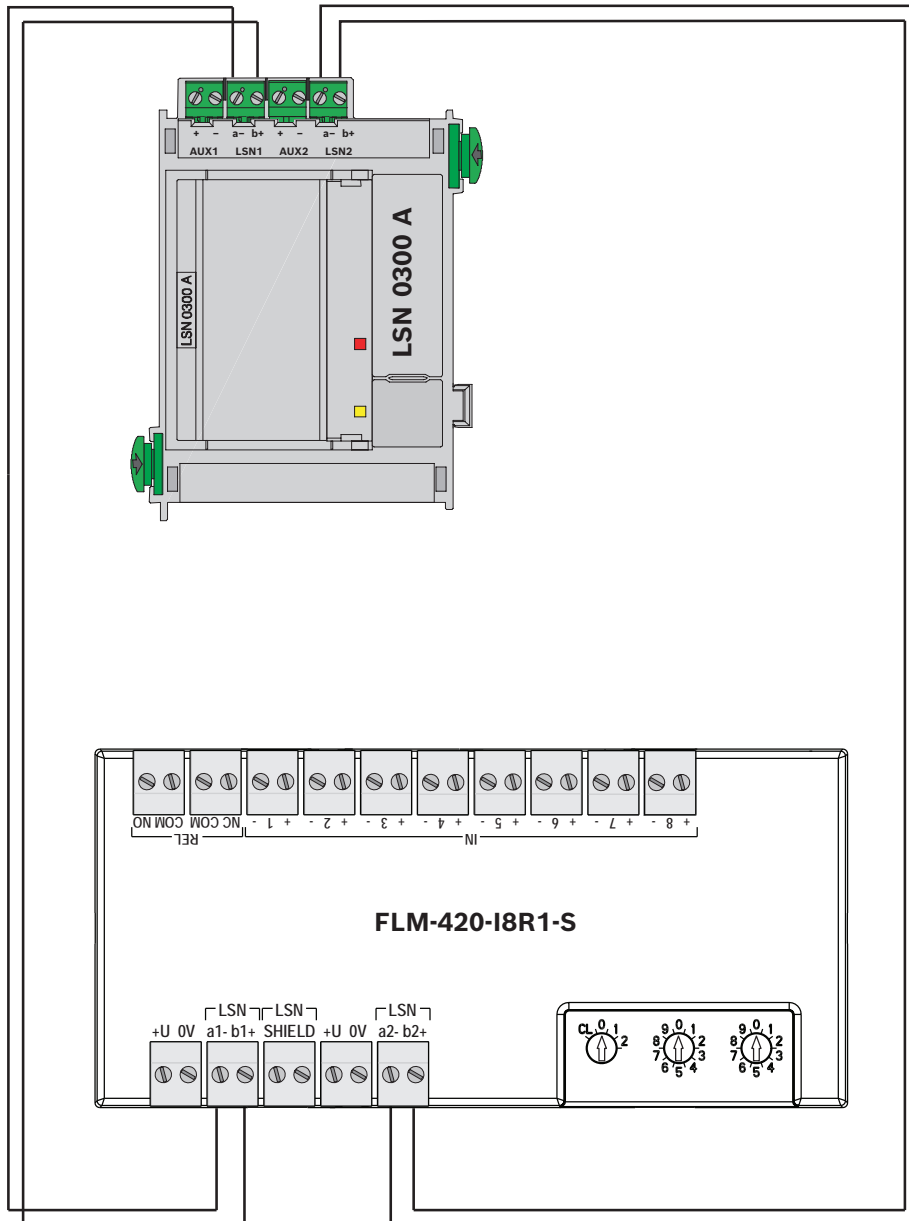
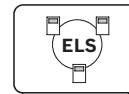
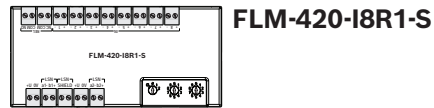
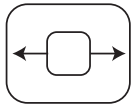
**FLM-I 420-S**  
**FLM-420-I2-D**  
**FLM-420-O1I1-D**  
**FLM-420-RHV-D/S**  
**FLM-420-RLV1-D**

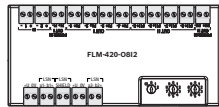
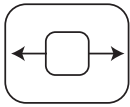




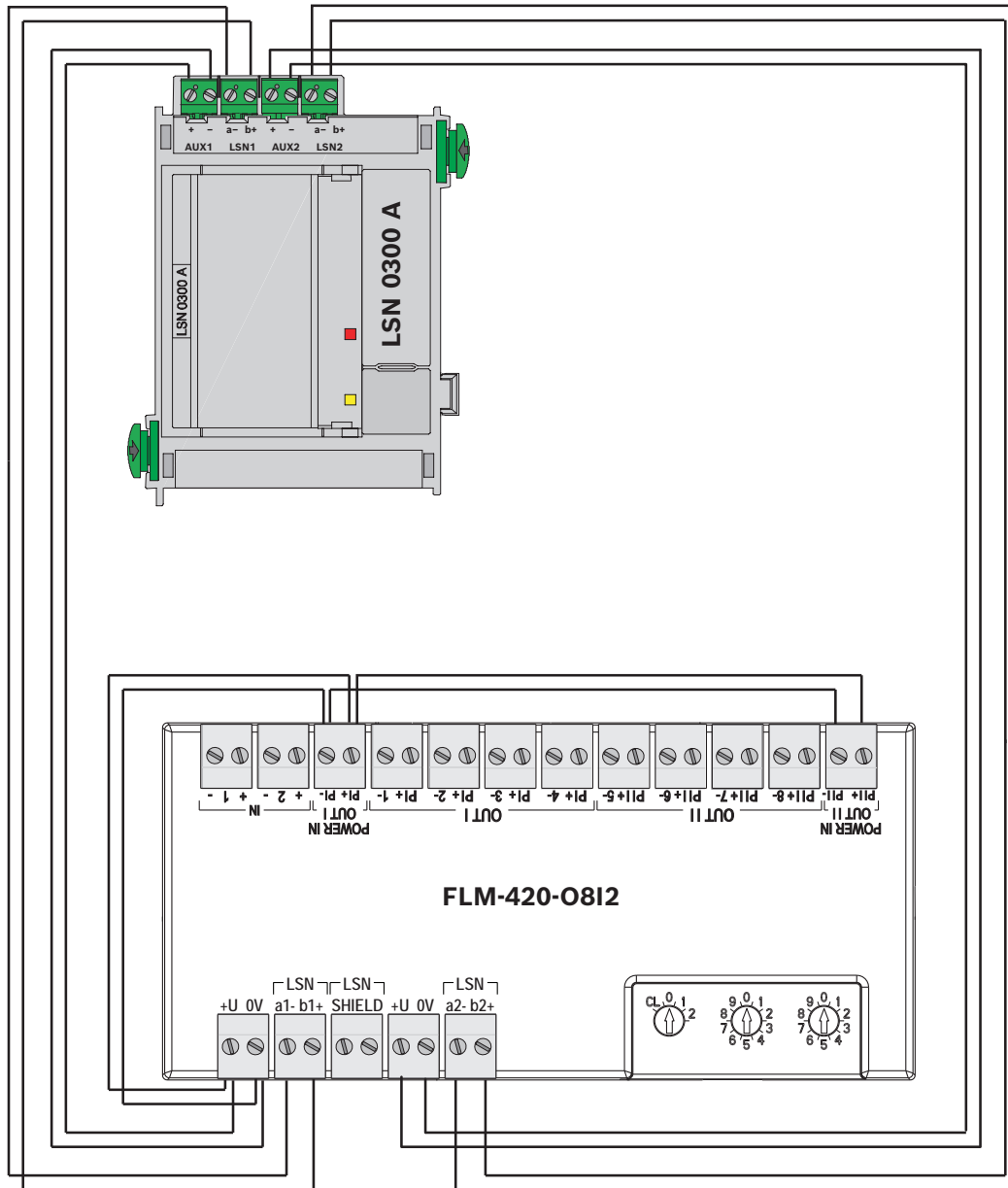
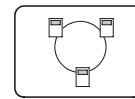
**FLM-420-I2-E/W**  
**FLM-420-RLV1-E**



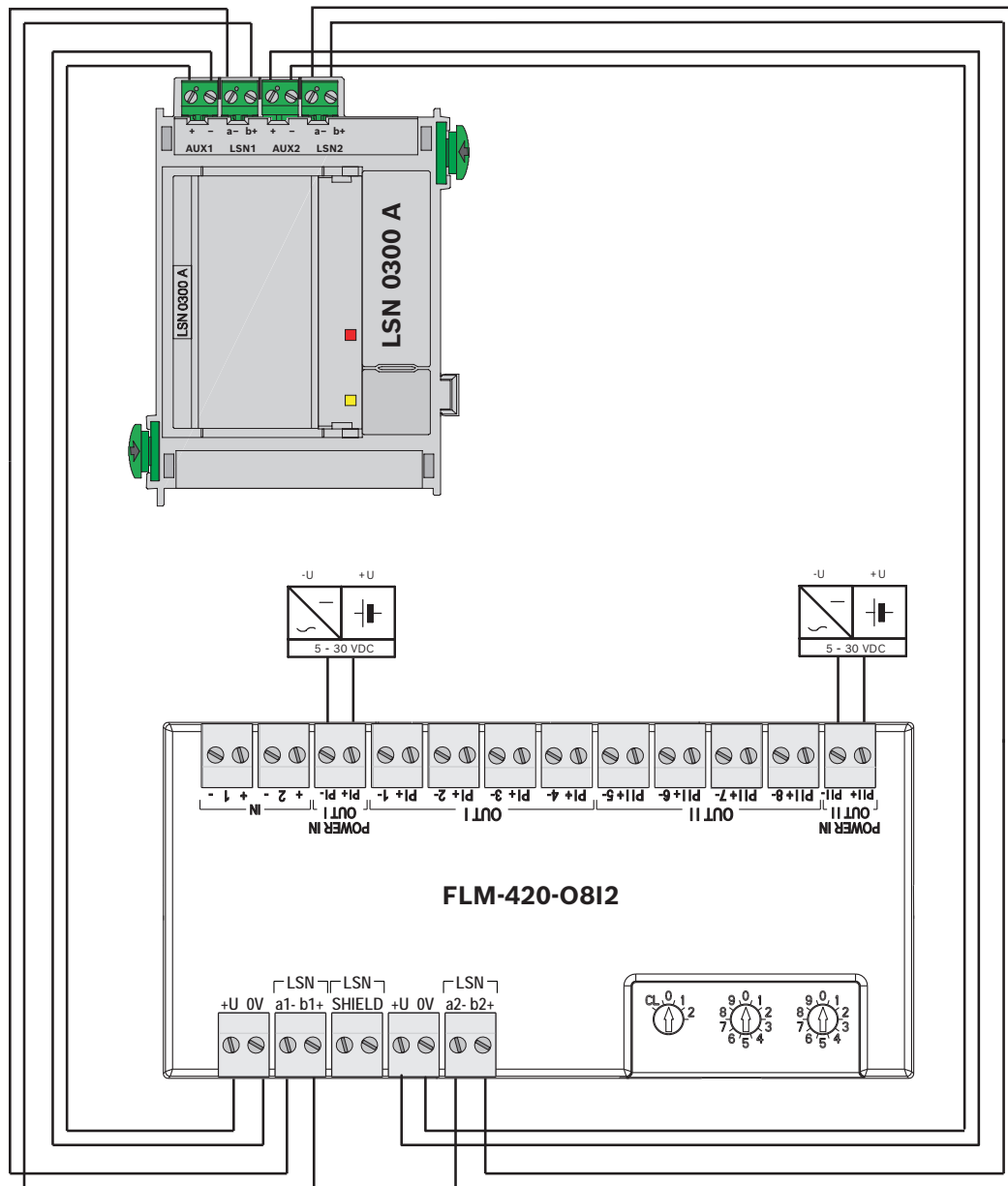
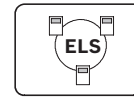
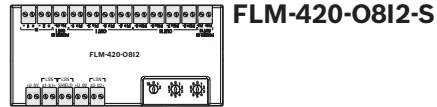
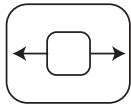


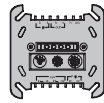
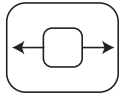


**FLM-420-0812-S**

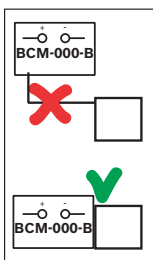
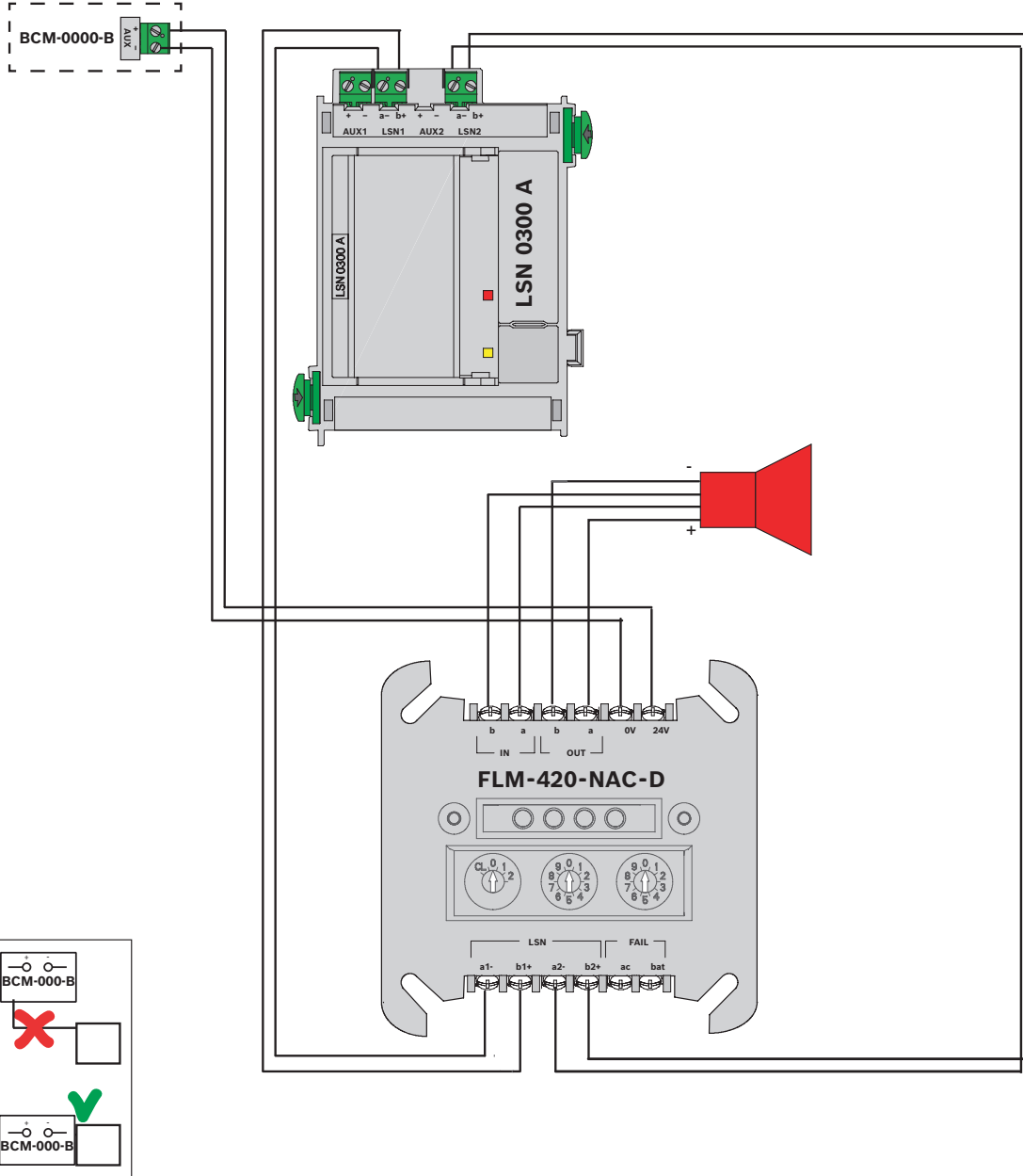
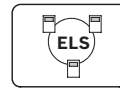


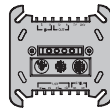
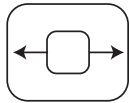




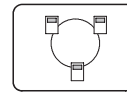


FLM-420-NAC-D/S

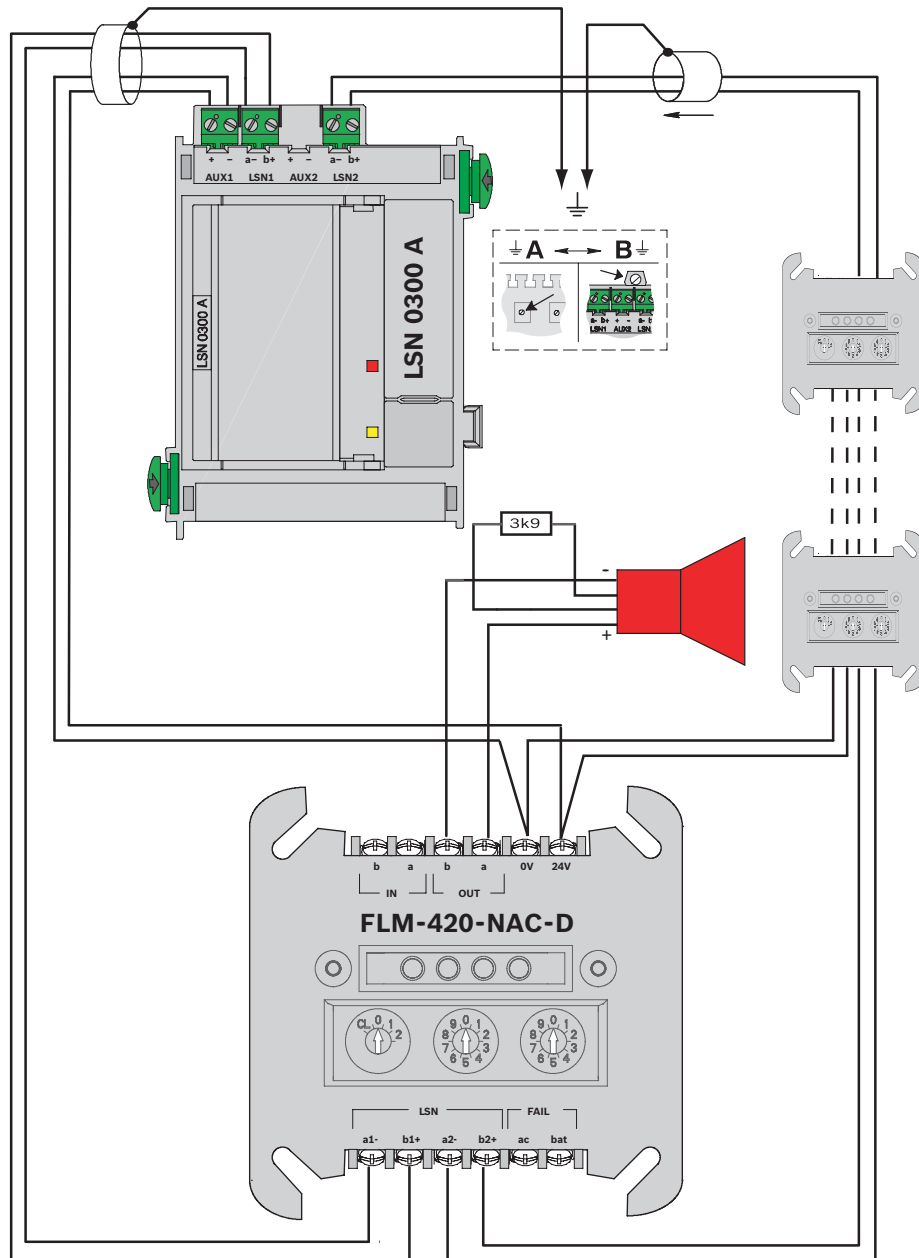


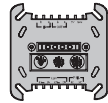
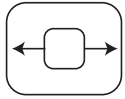


**FLM-420-NAC-D/S**

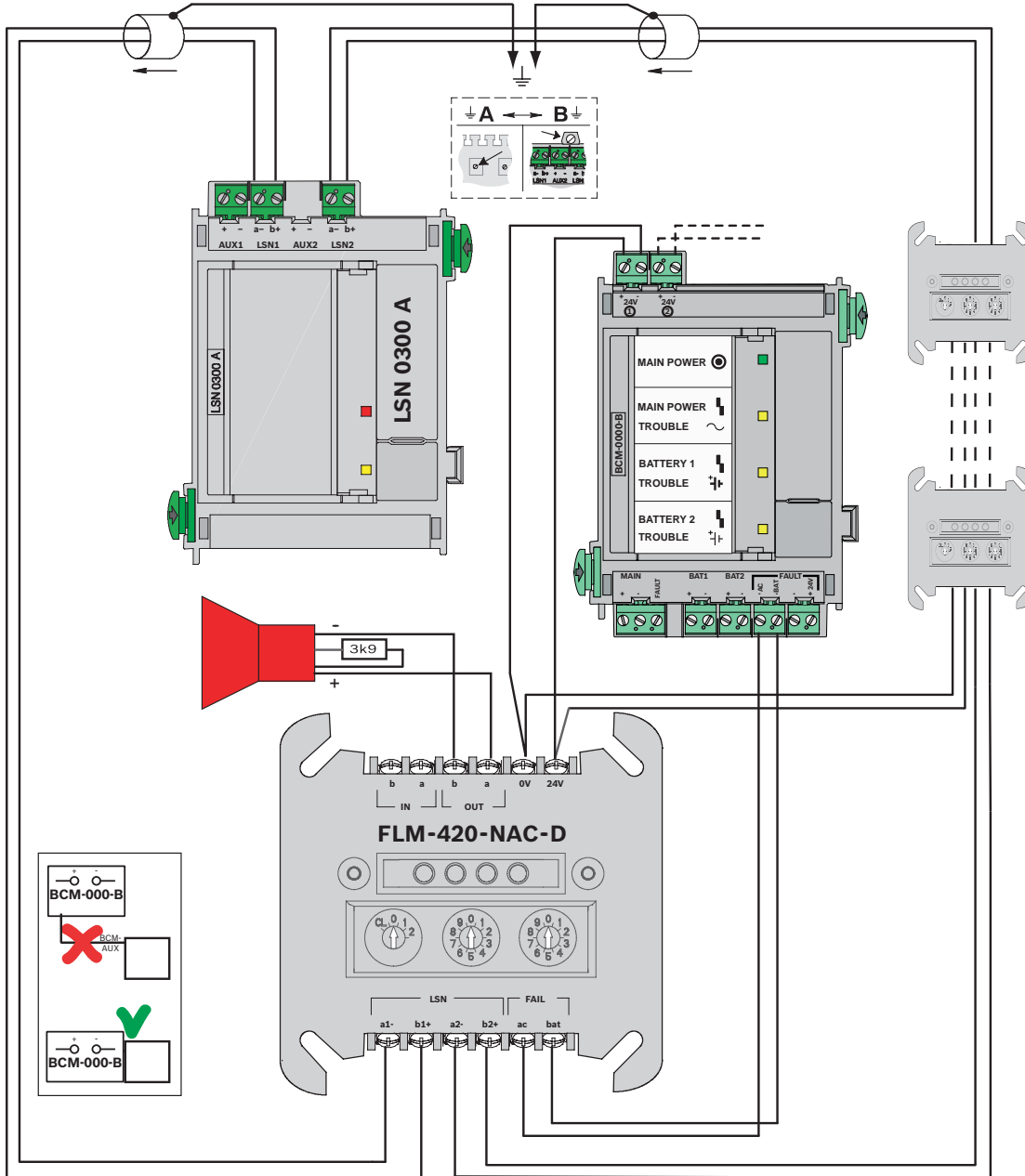
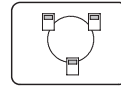


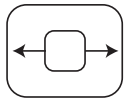
**EN 54-2**



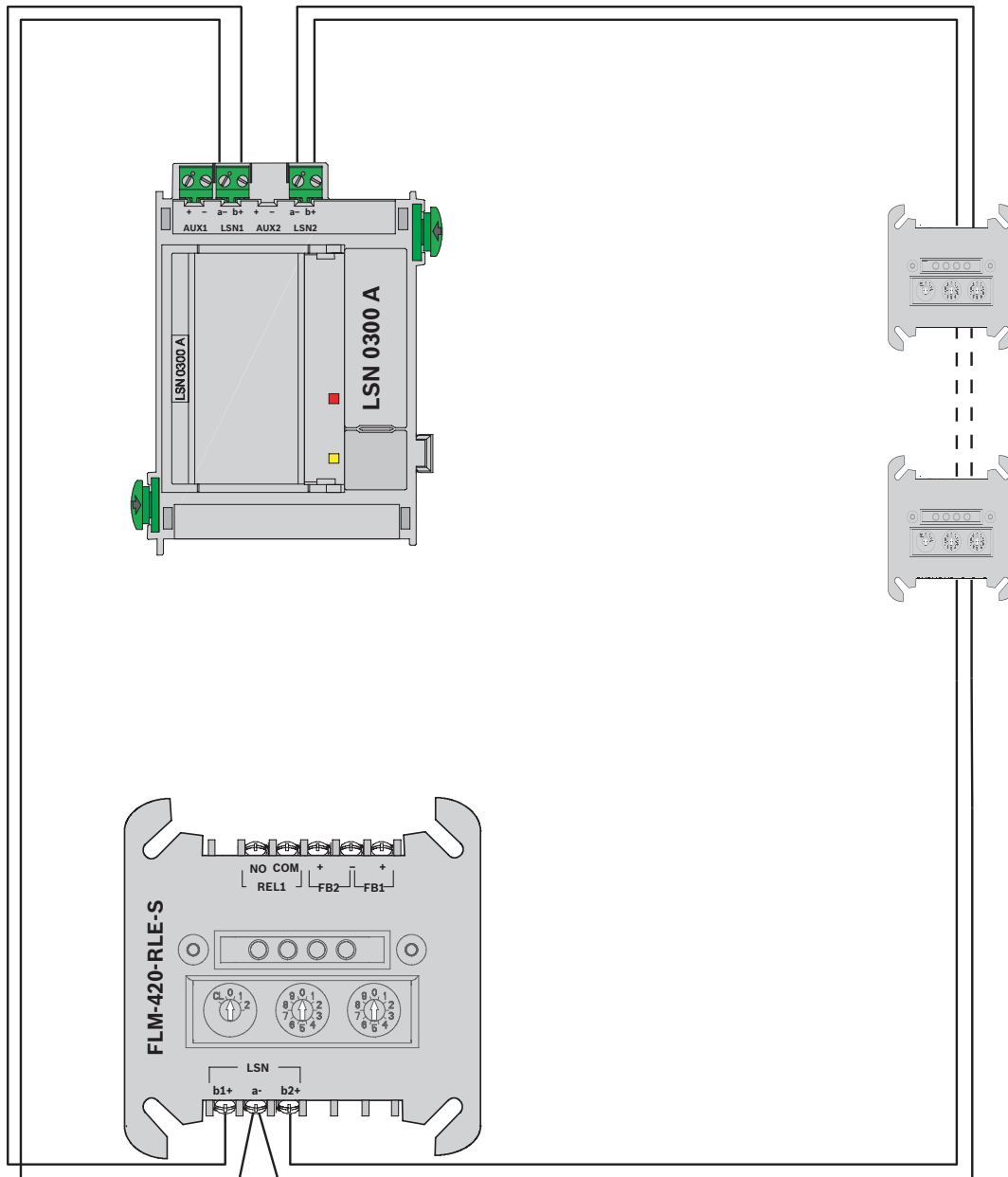
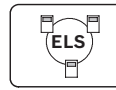


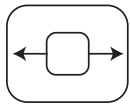
FLM-420-NAC-D/S



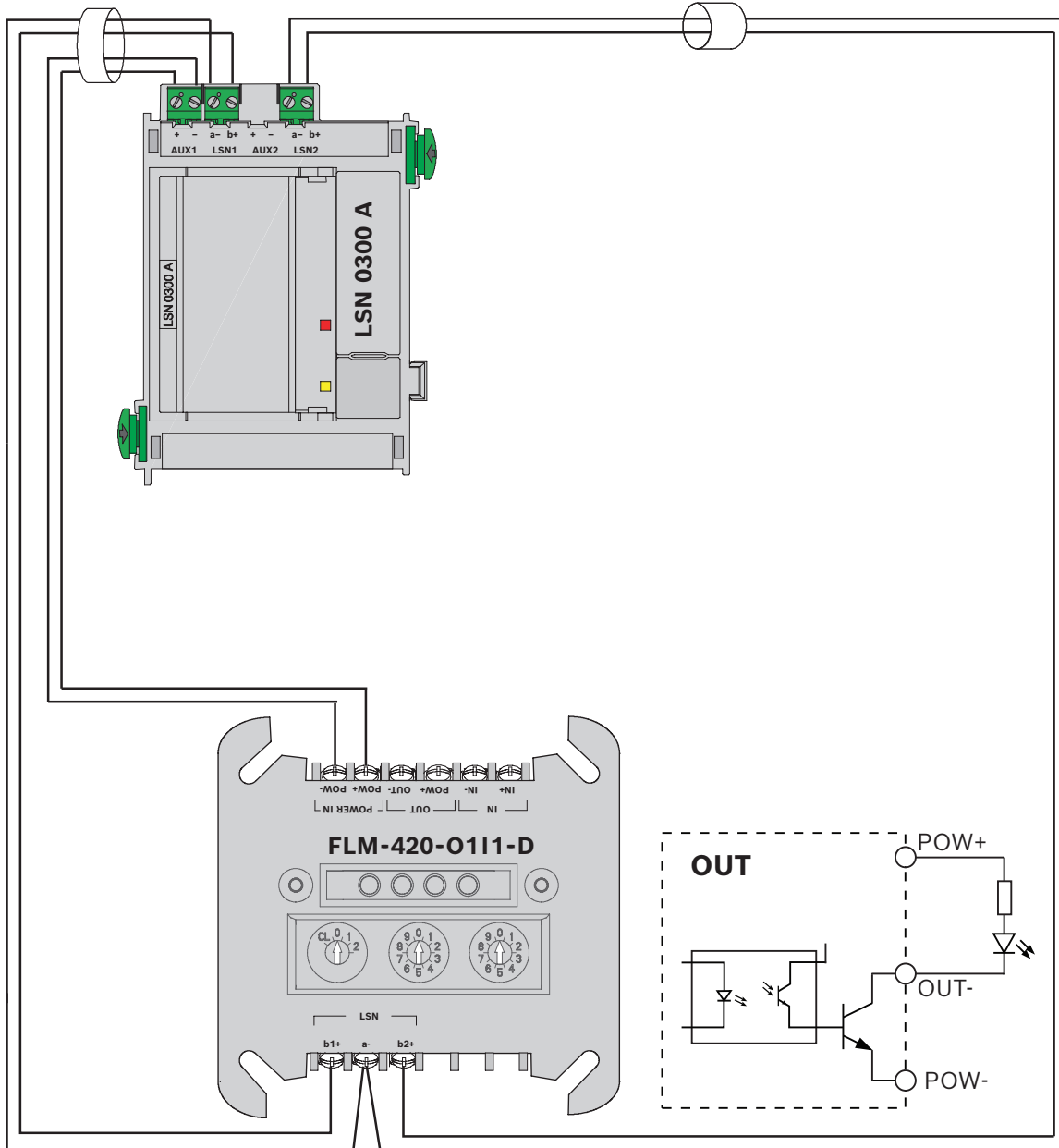
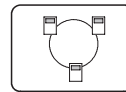


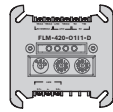
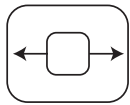
FLM-420-RLE-S



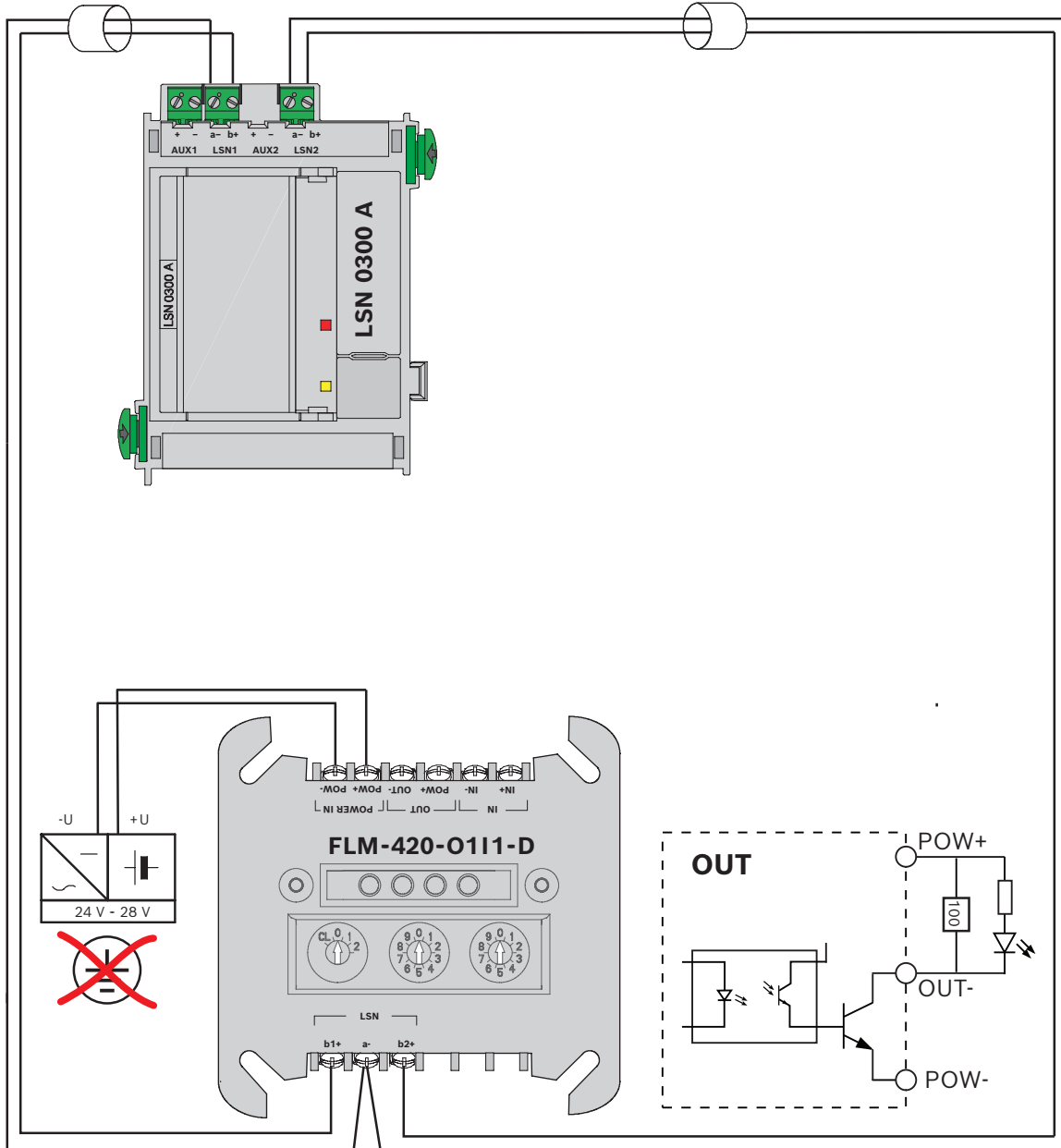
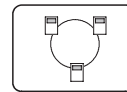


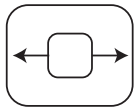
**FLM-420-O111-D**



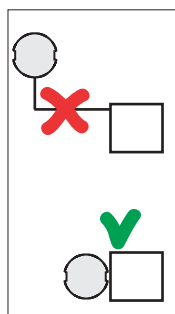
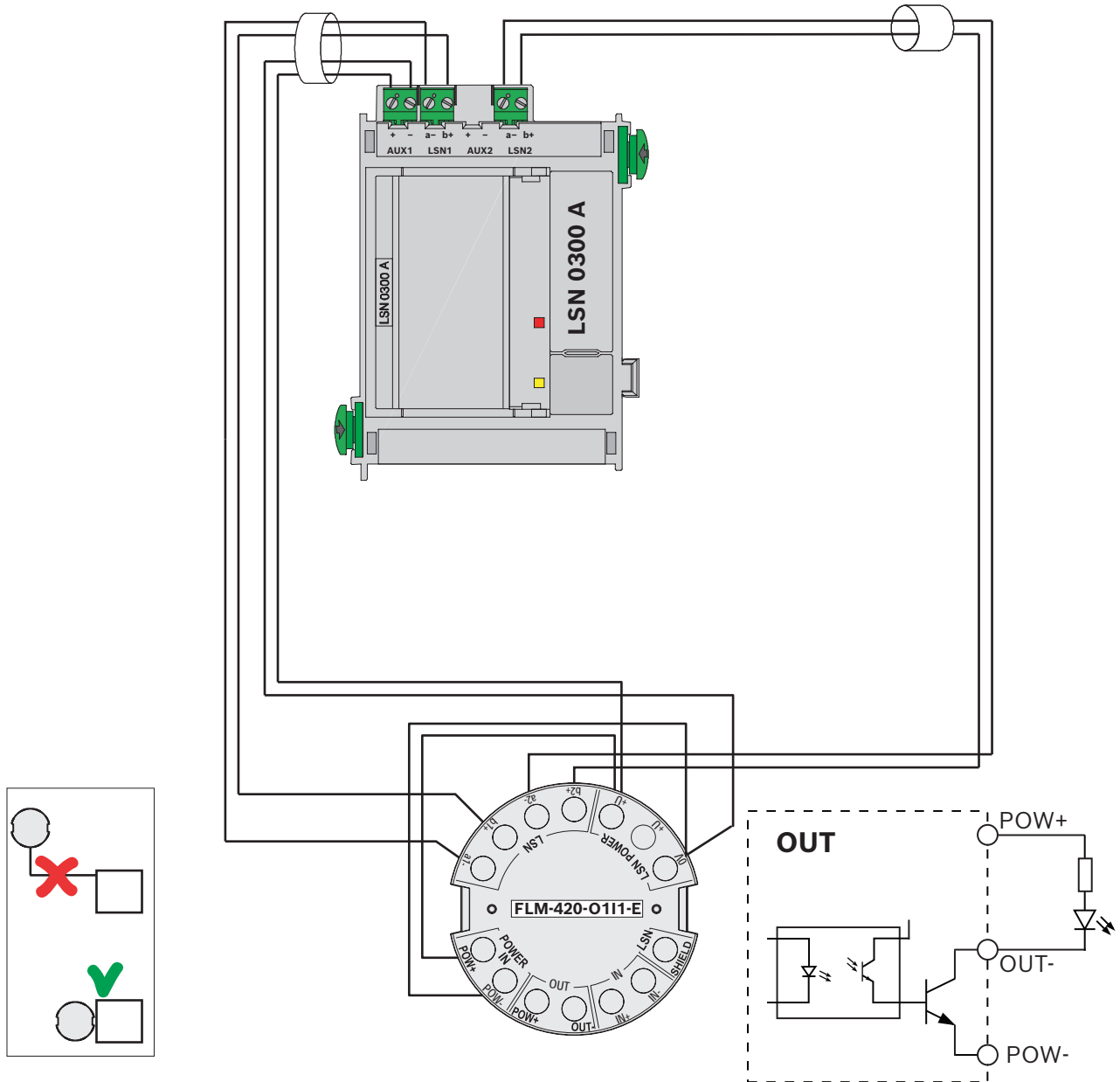
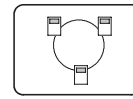


**FLM-420-O111-D**

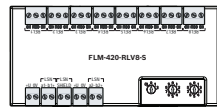
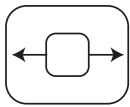




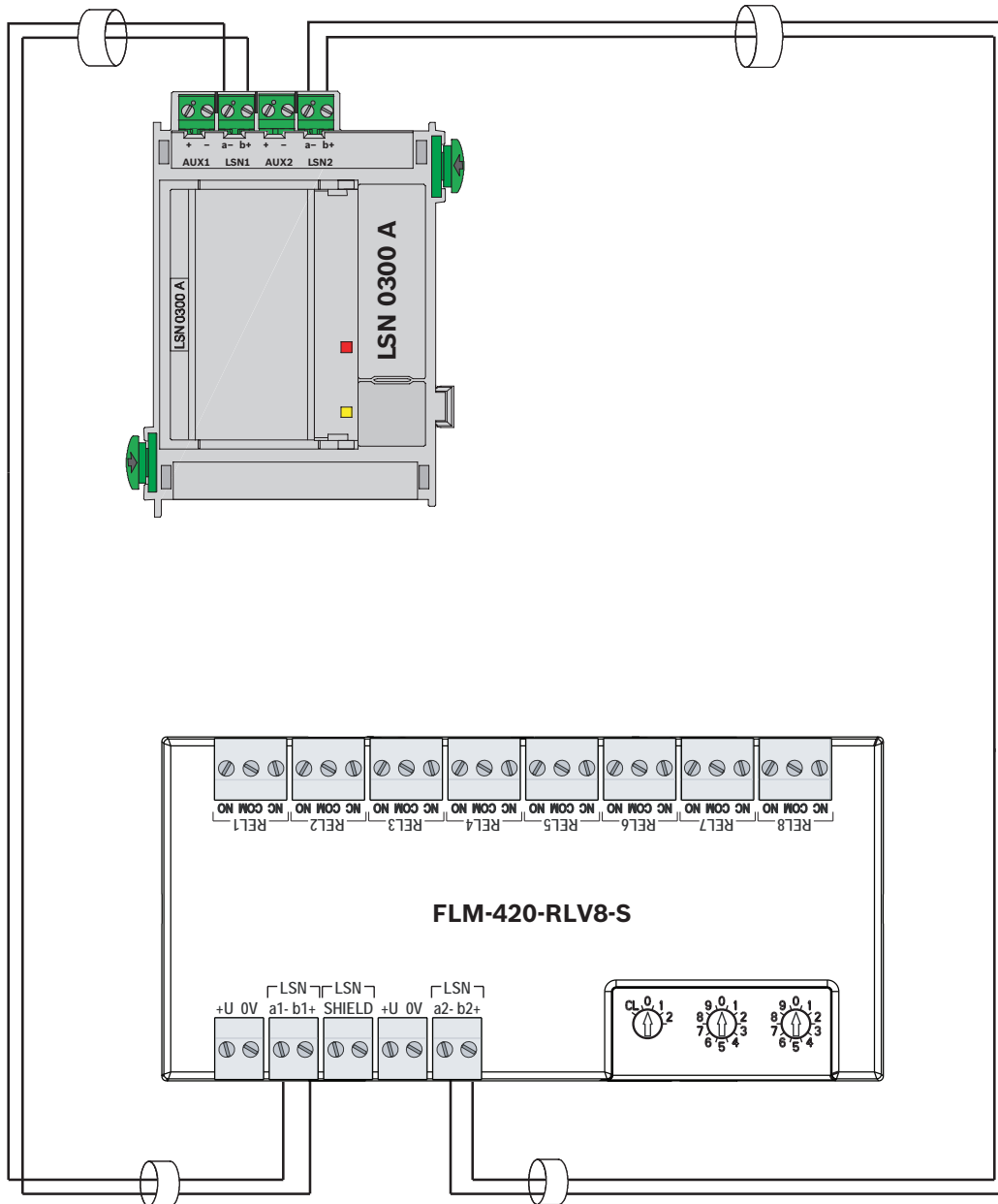
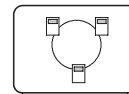
**FLM-420-O111-E**





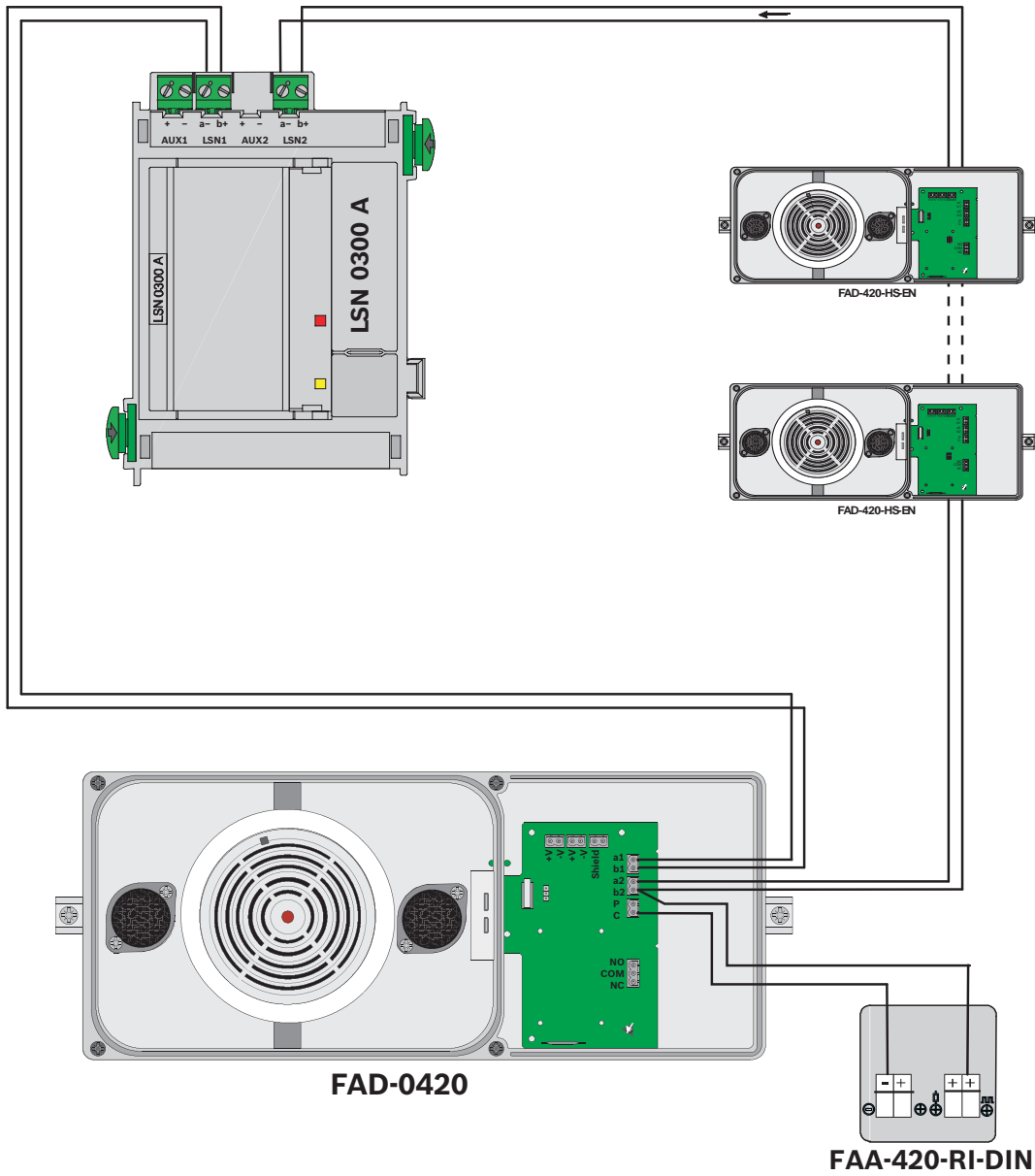


**FLM-420-RLV8-S**



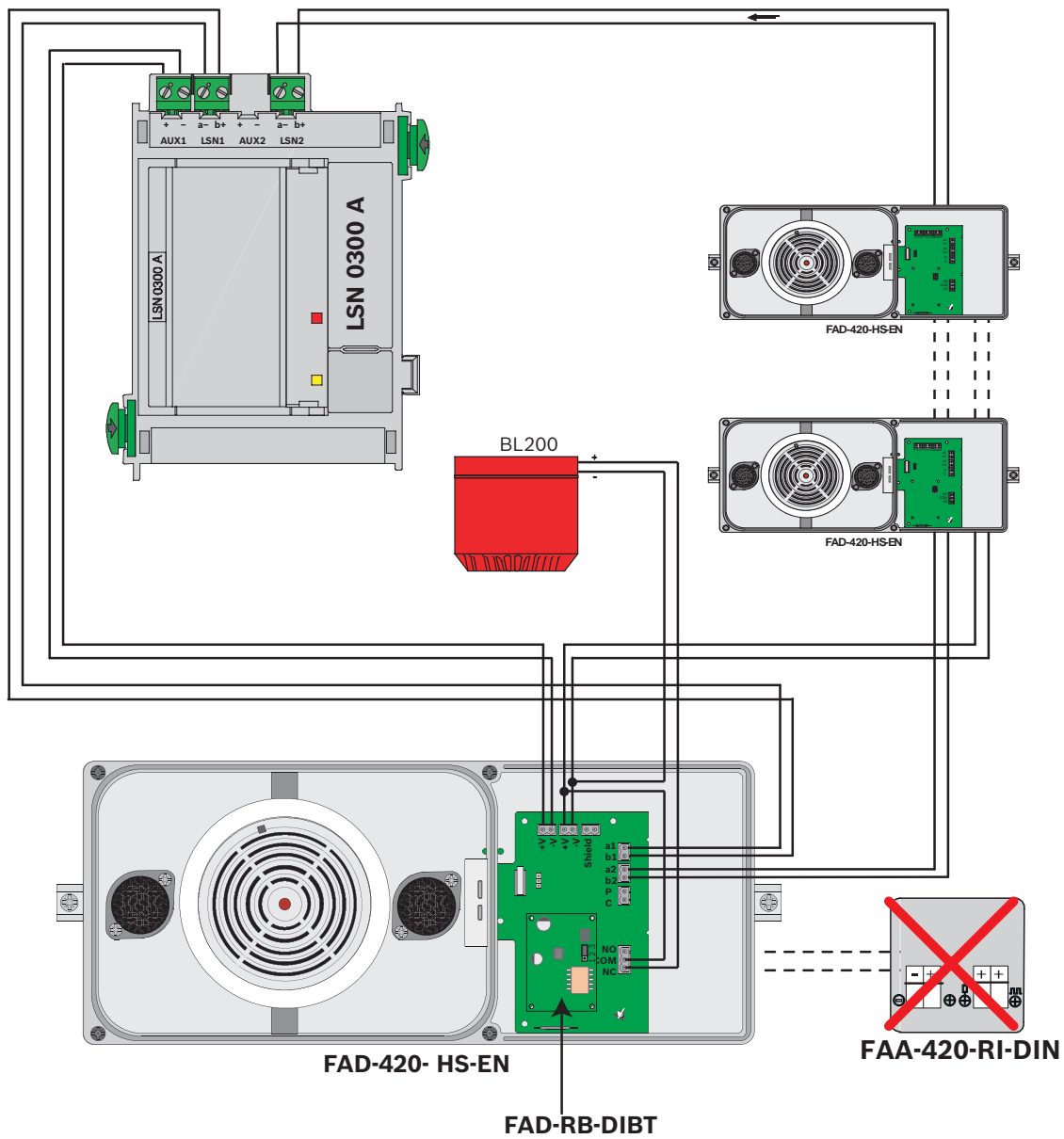


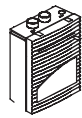
FAD-0420



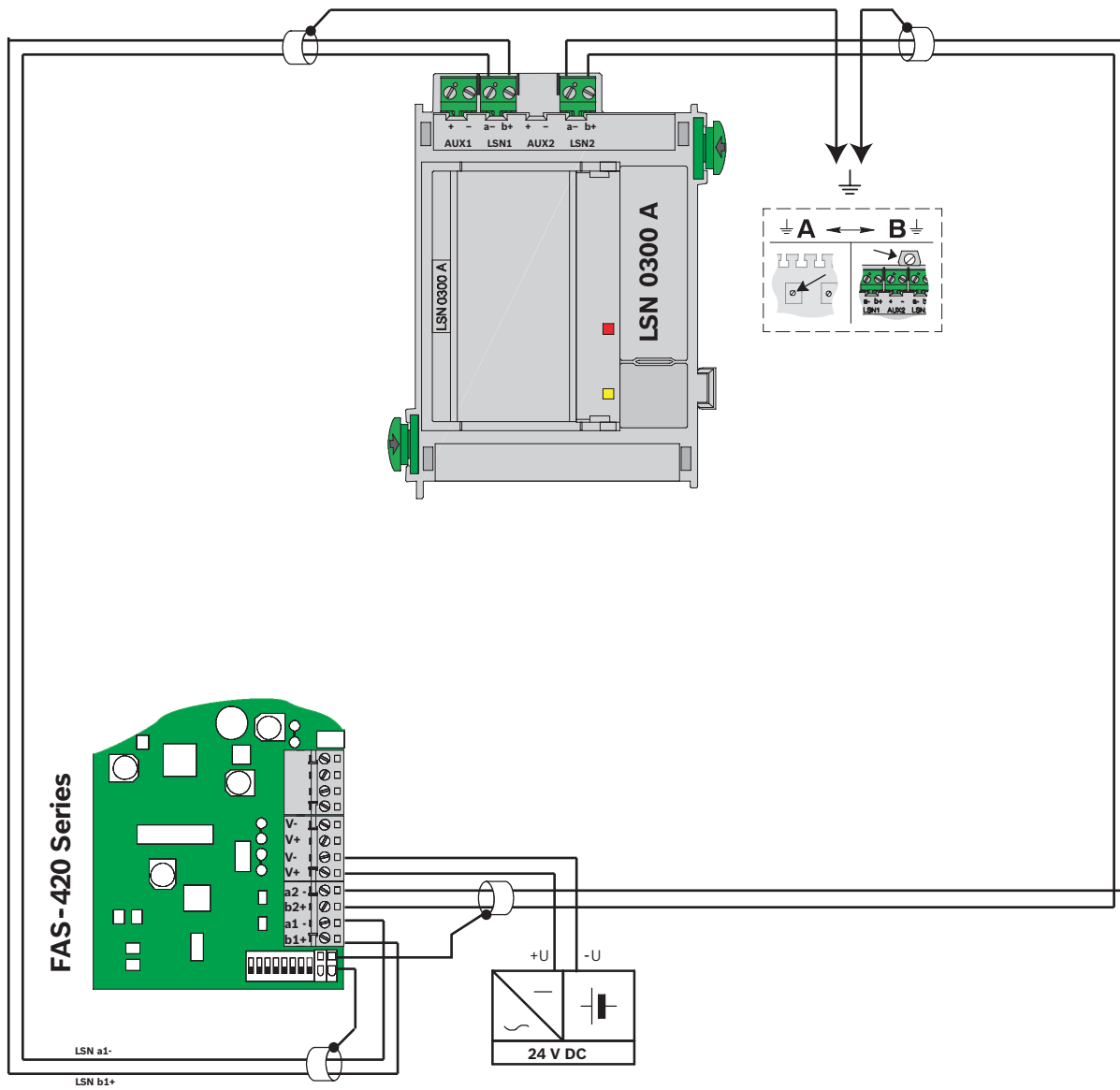


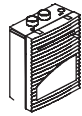
**FAD-420-HS-EN**



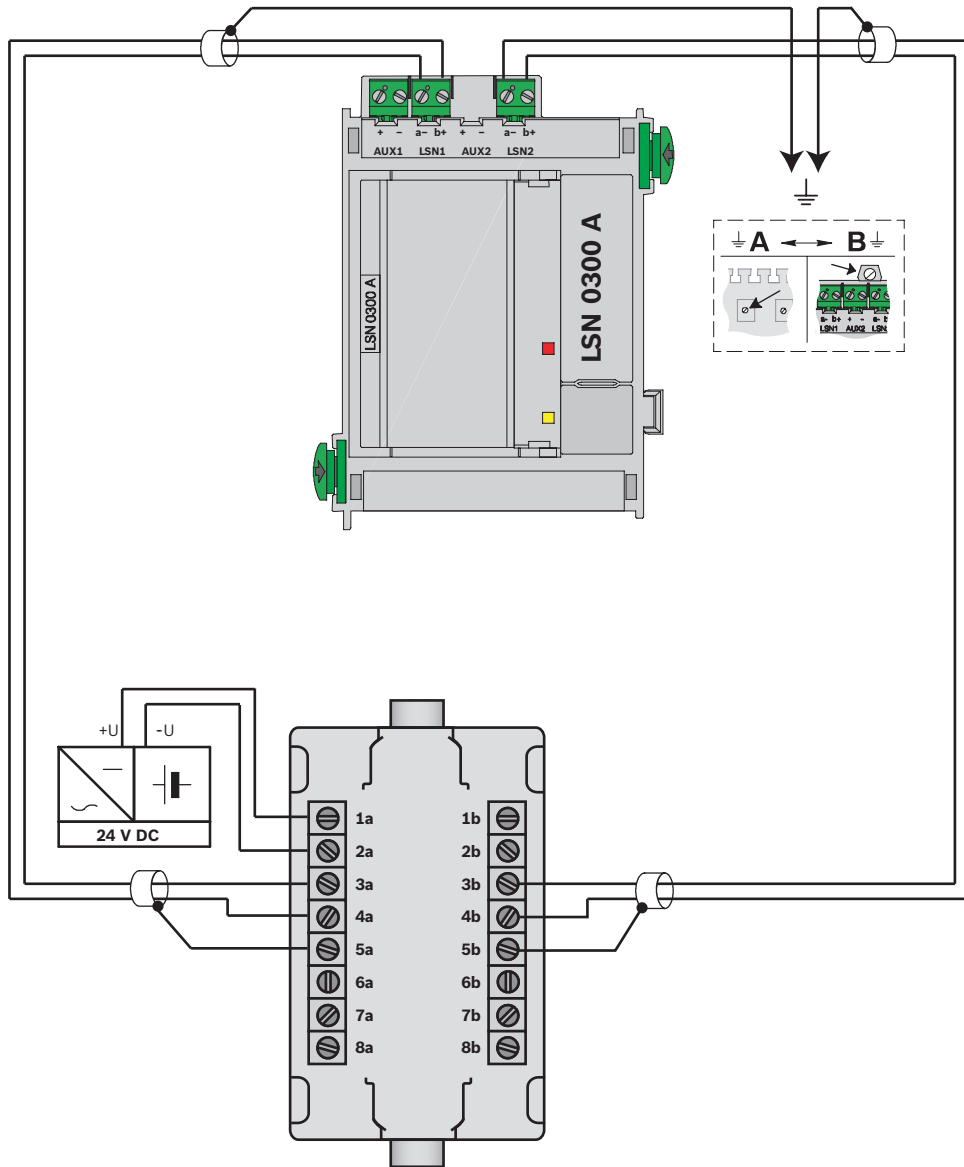


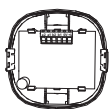
**FAS-420 Series**



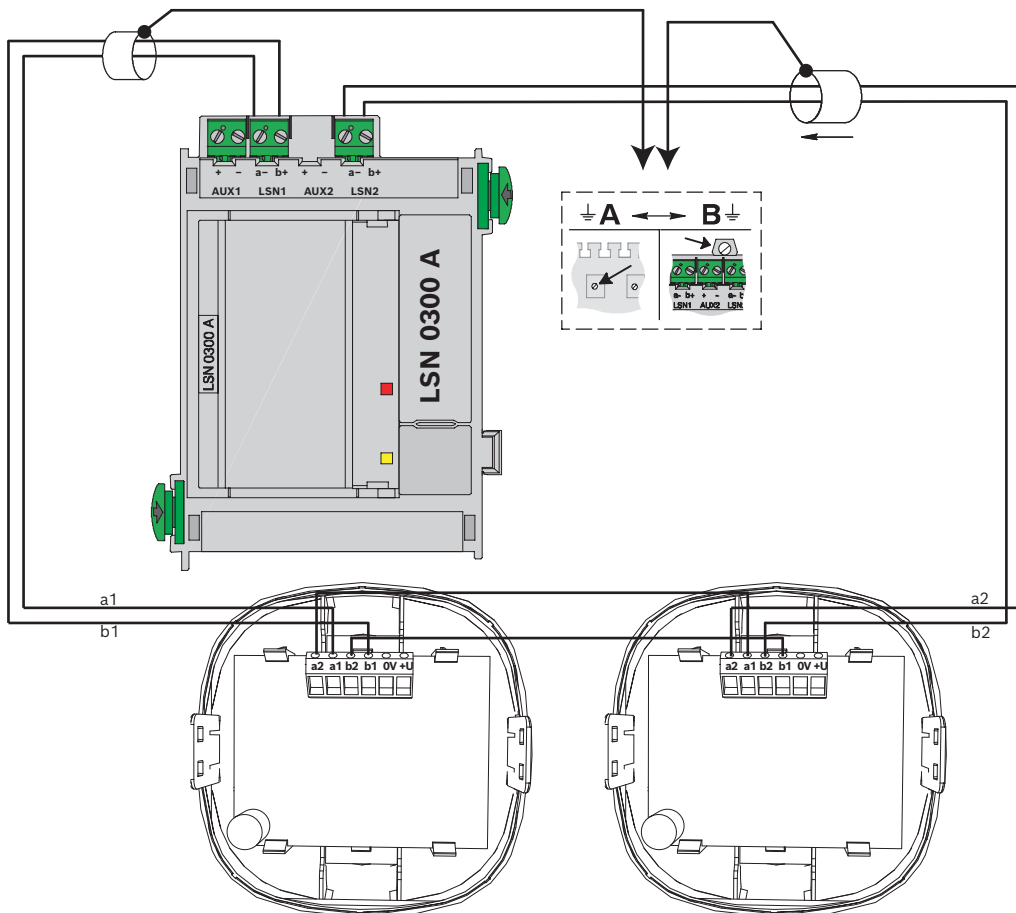
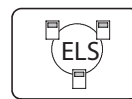


FAS-420-TM Series





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

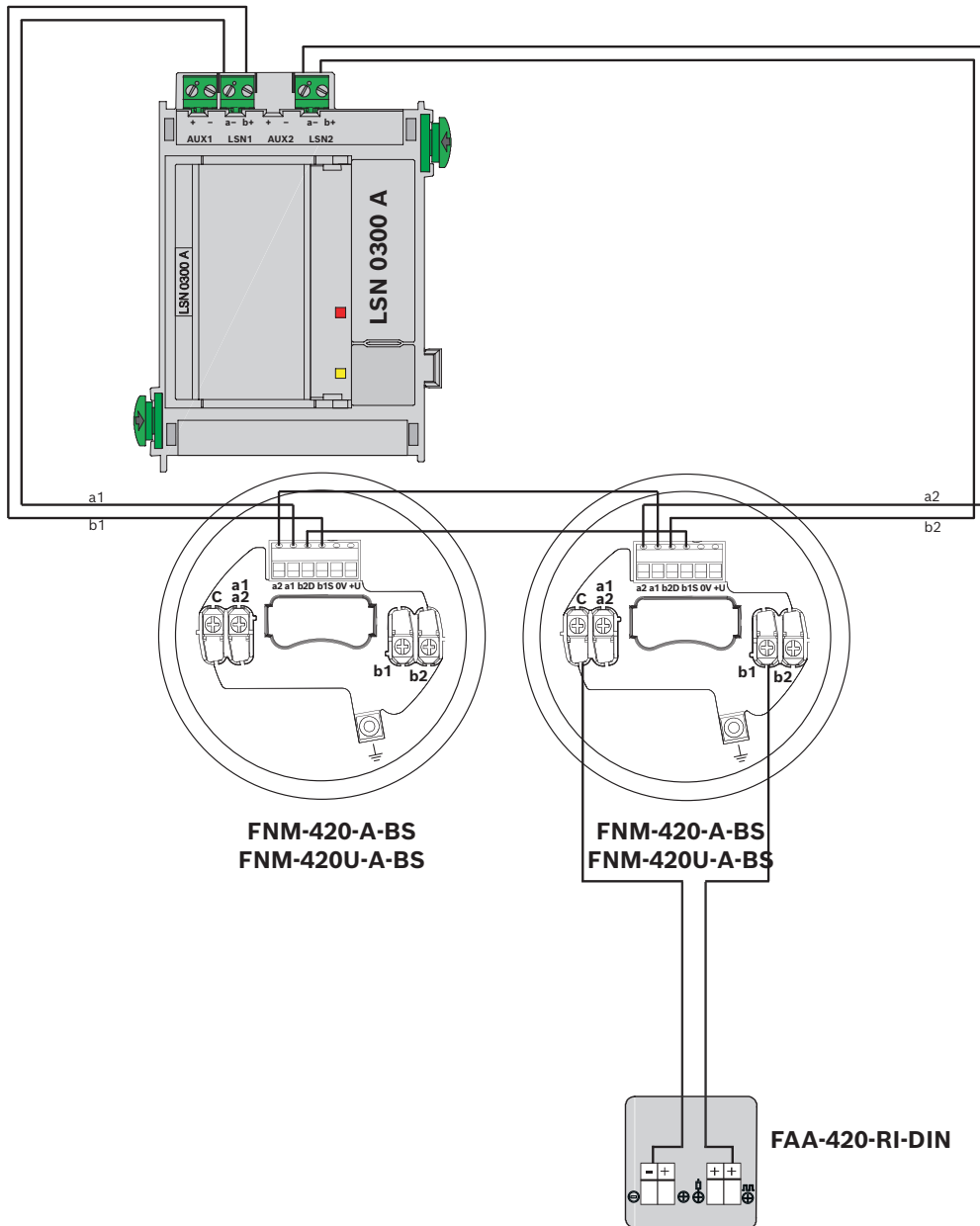
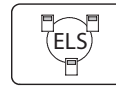


**FNM-420-A/-B**  
**FNM-420U-A/-B**  
**FNM-420V-A**

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



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



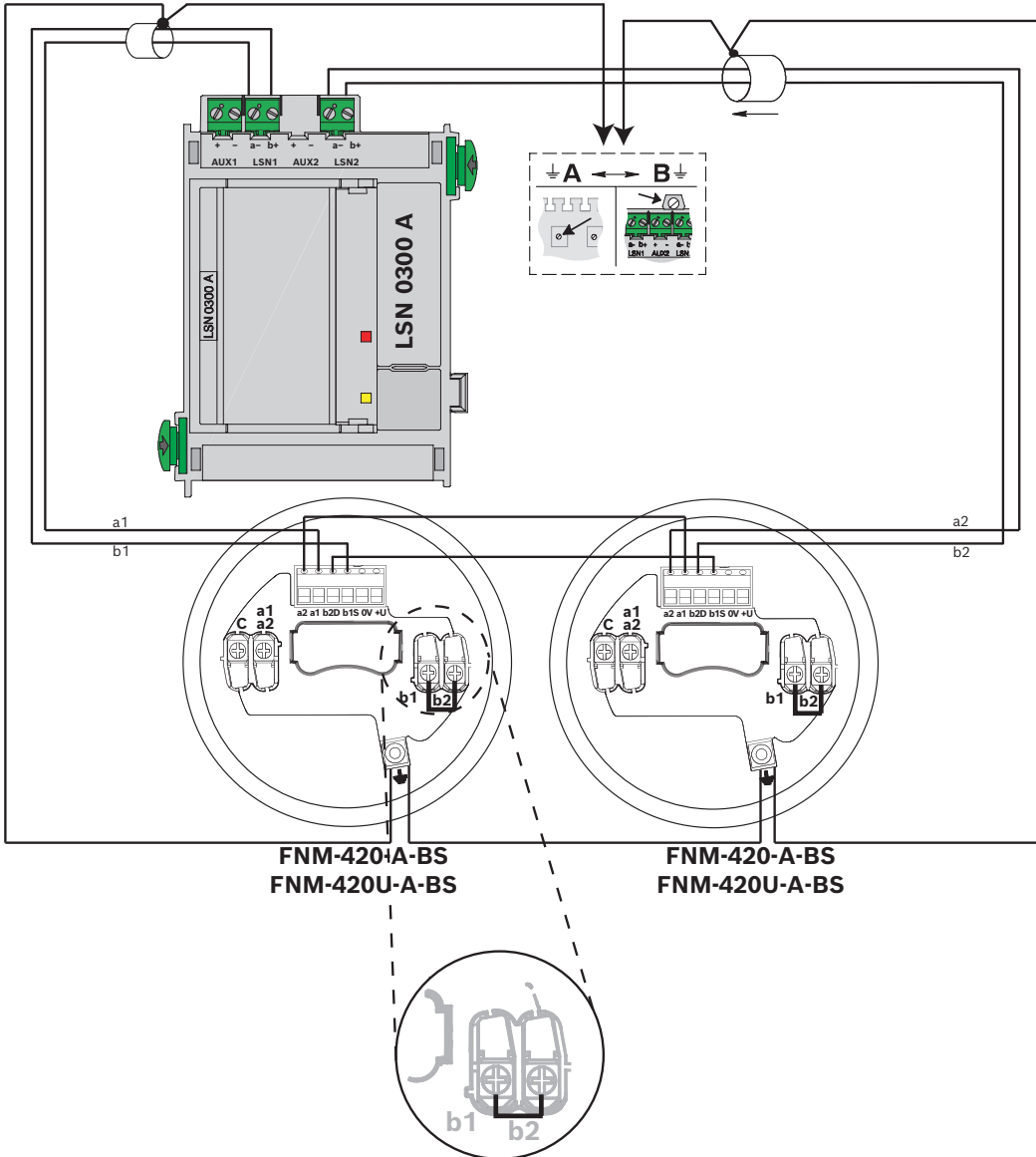
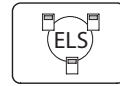
**FNM-420-A-BS**  
**FNM-420U-A-BS**

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

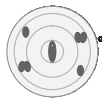
**FAA-420-RI-DIN**



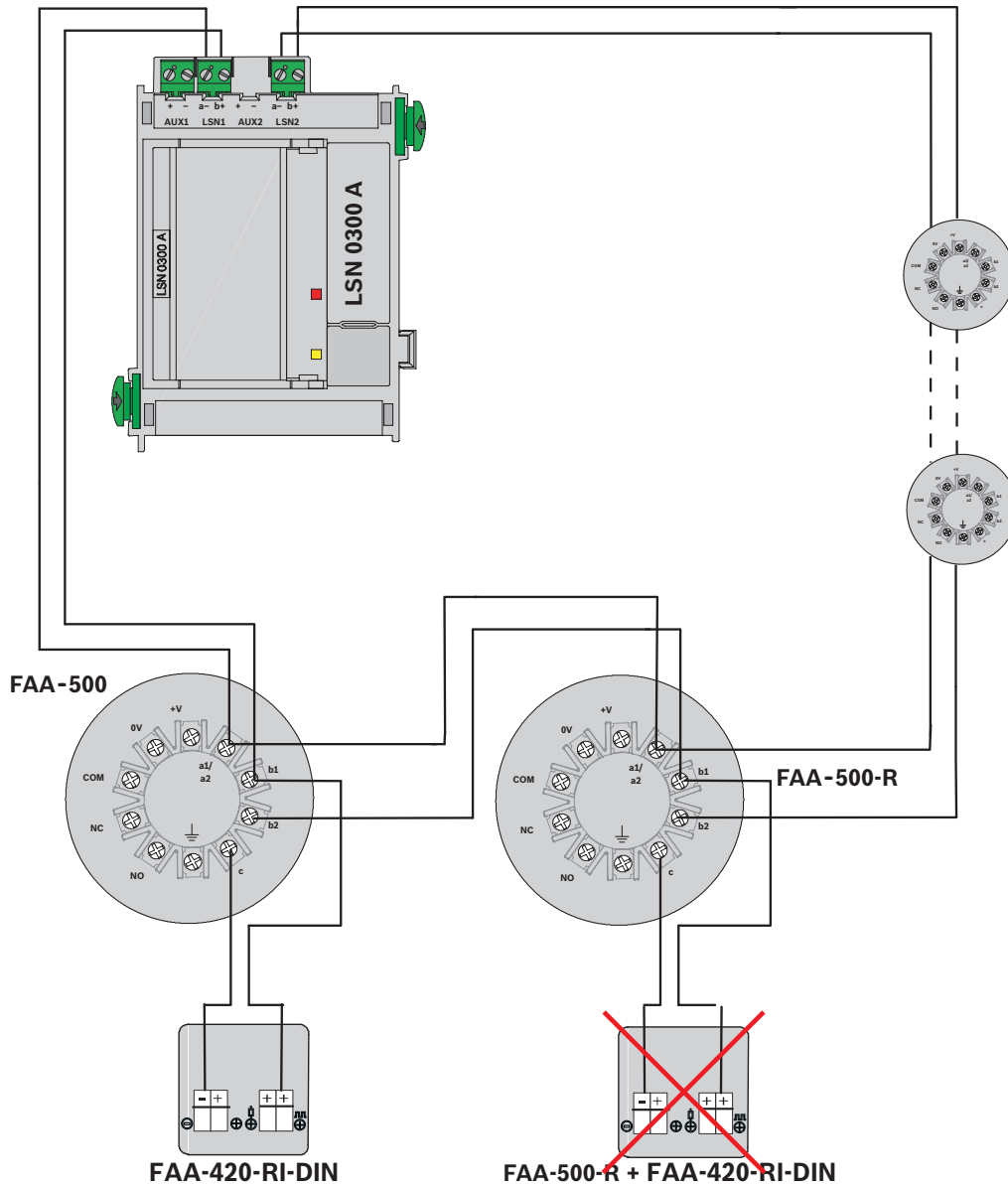
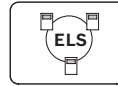
**FNM-420-A-BS**  
**FNM-420U-A-BS**

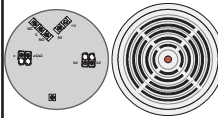




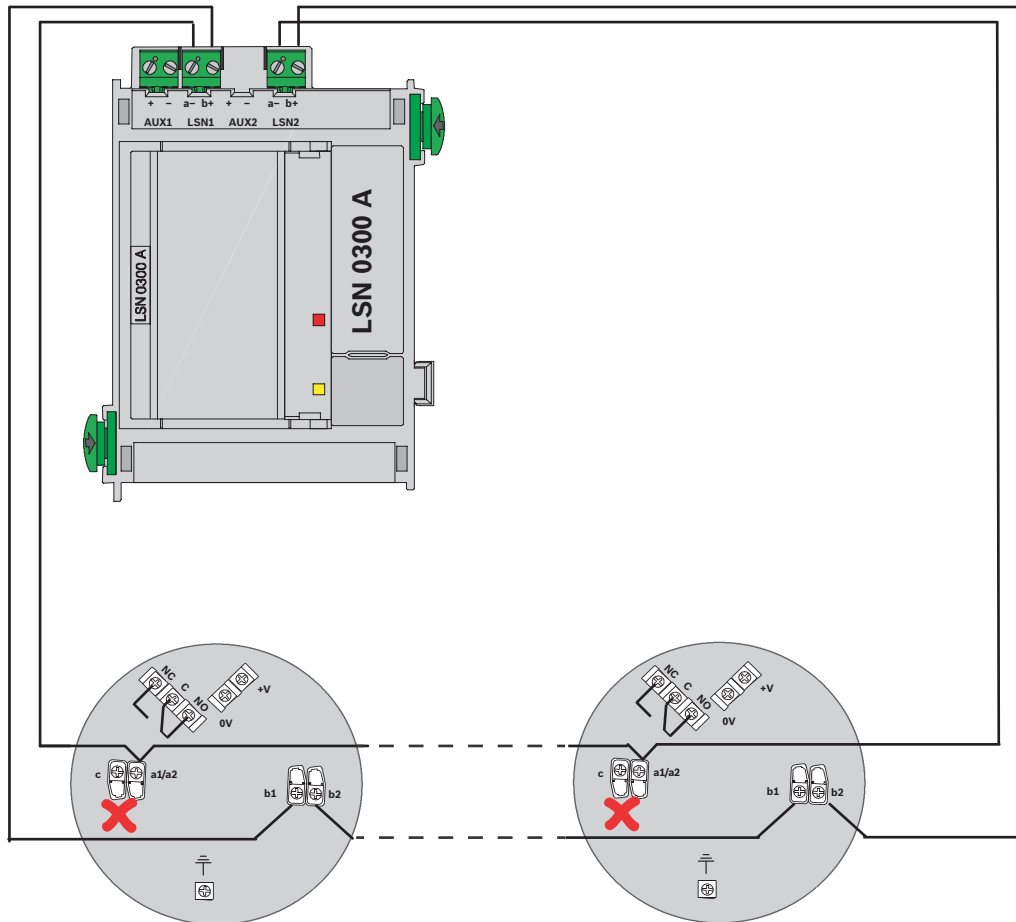
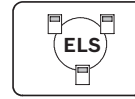


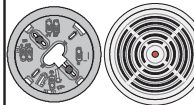
FAP-0520  
FAP-0520-P  
FAP-OC520  
FAP-OC-520-P



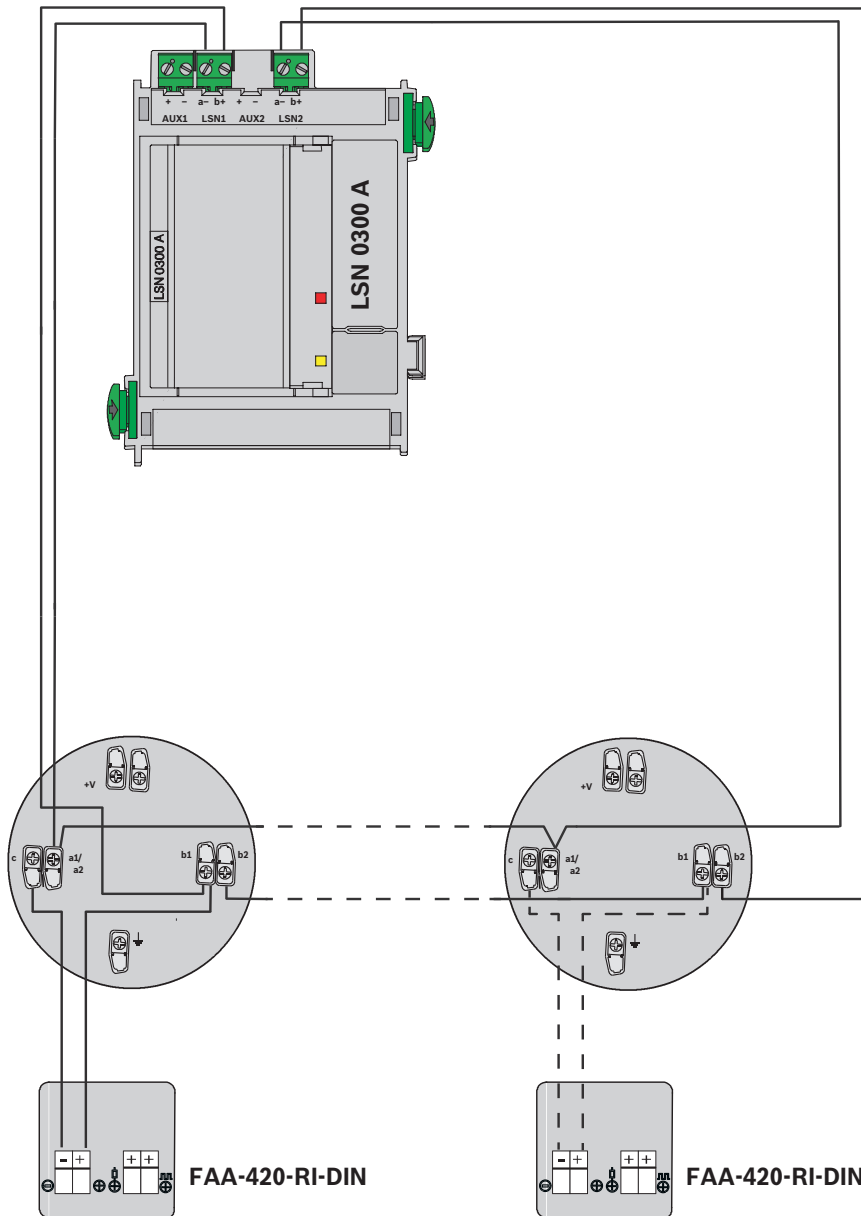
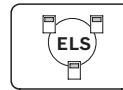


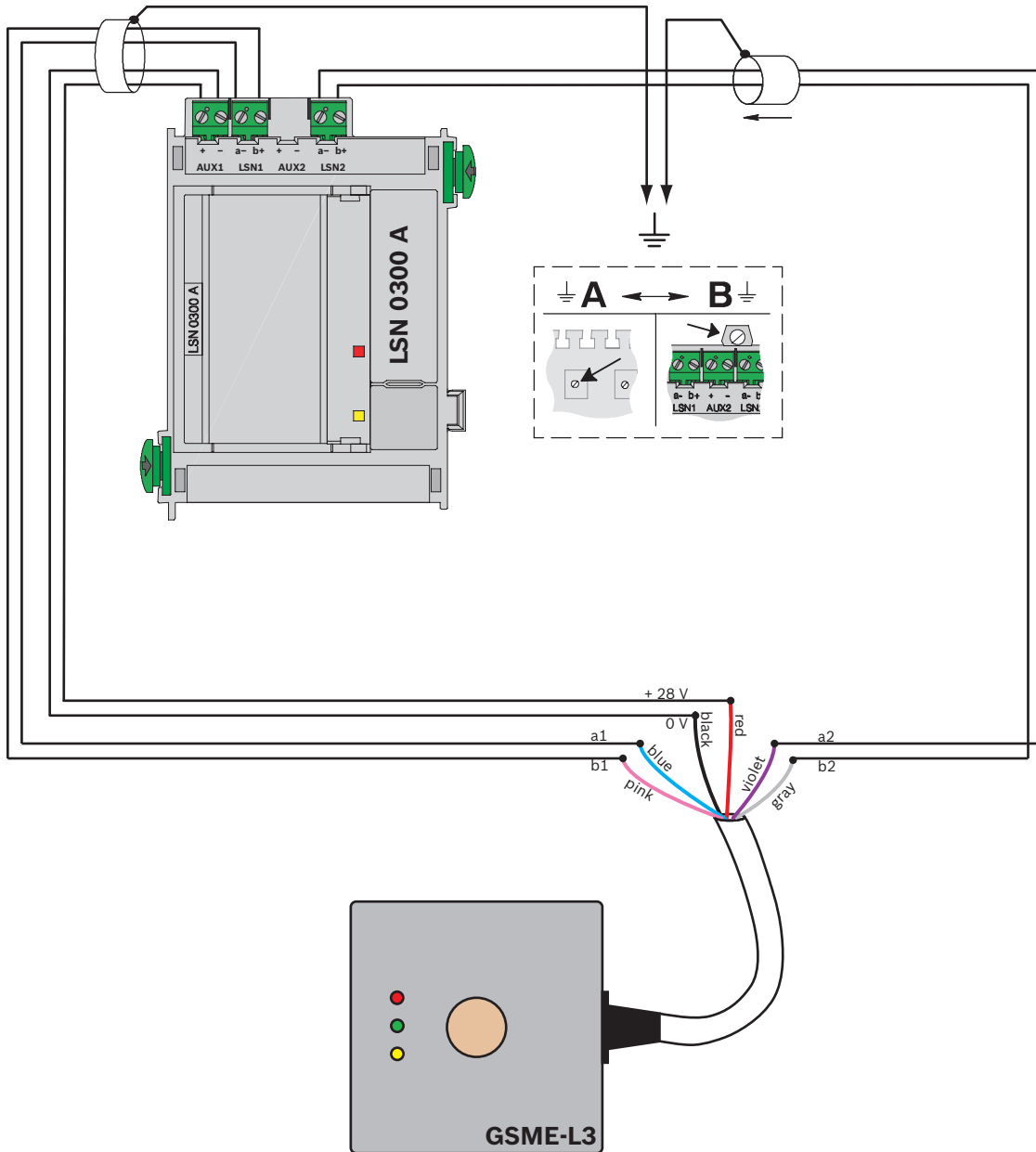
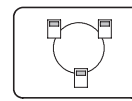
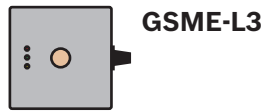
**FAA-MSR-420**  
**FAP-425-O, FAP-425-O-R**  
**FAP-425-OT, FAP-425-OT-R**  
**FAP-425-T-R**  
**FAP-425-DO-R, FAP-425-DOT-R**  
**FAP-425-DOTC-R, FAP-425-DOTCO-R**

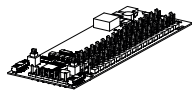




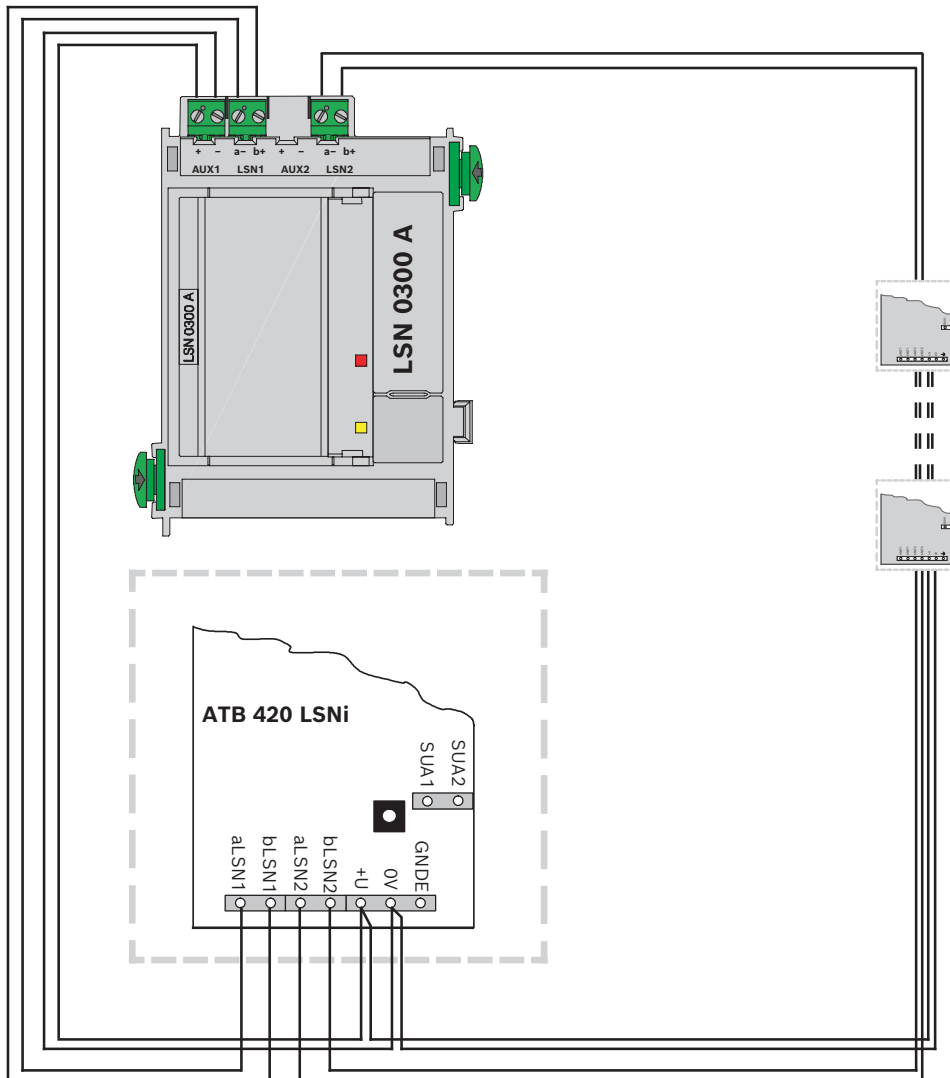
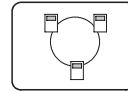
MS 400, MS 400 B  
 FAP-425-O, FAP-425-O-R  
 FAP-425-OT, FAP-425-OT-R  
 FAP-425-T-R  
 FAP-425-DO-R, FAP-425-DOT-R  
 FAP-425-DOTC-R, FAP-425-DOTCO-R





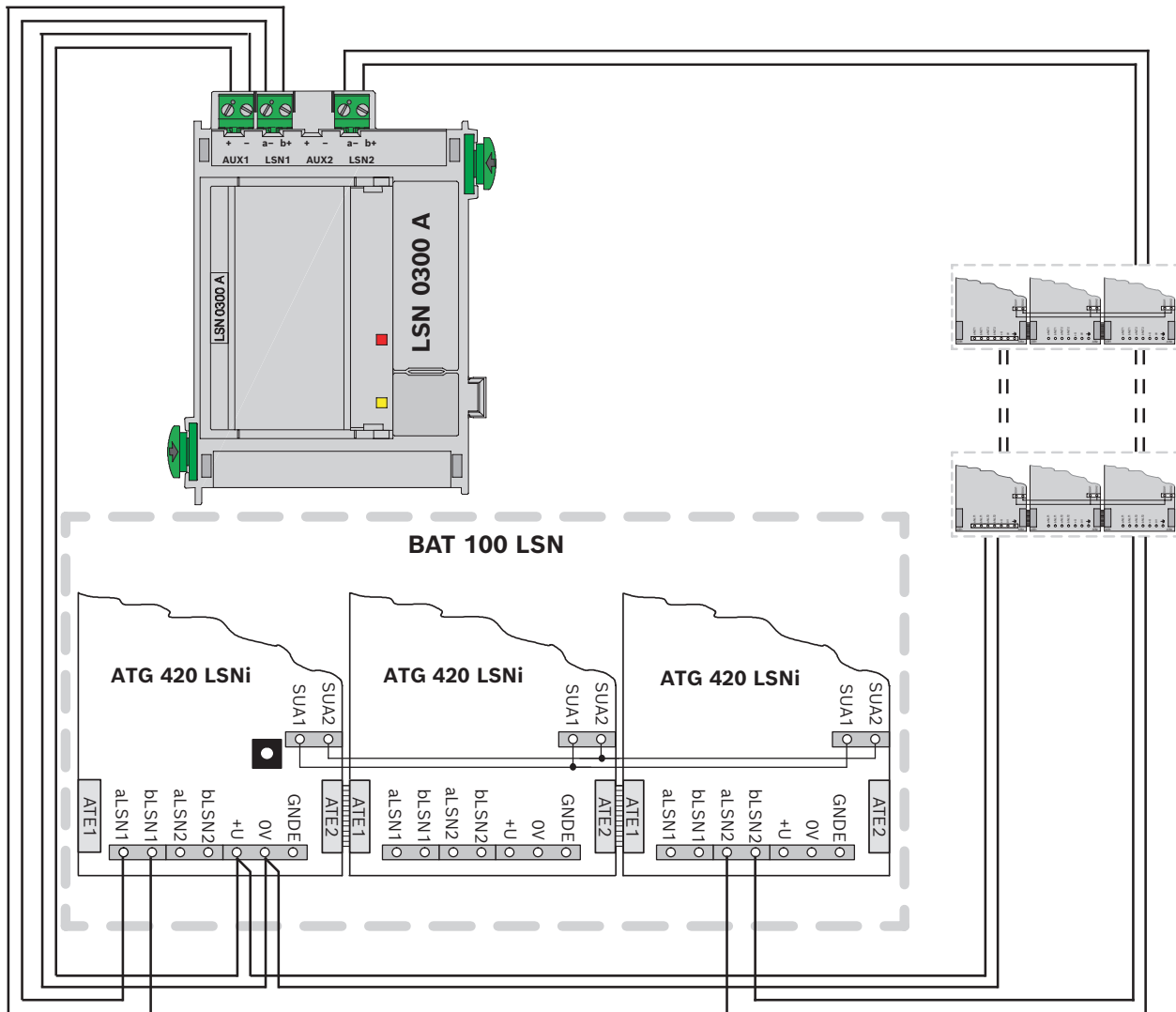
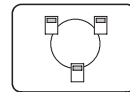


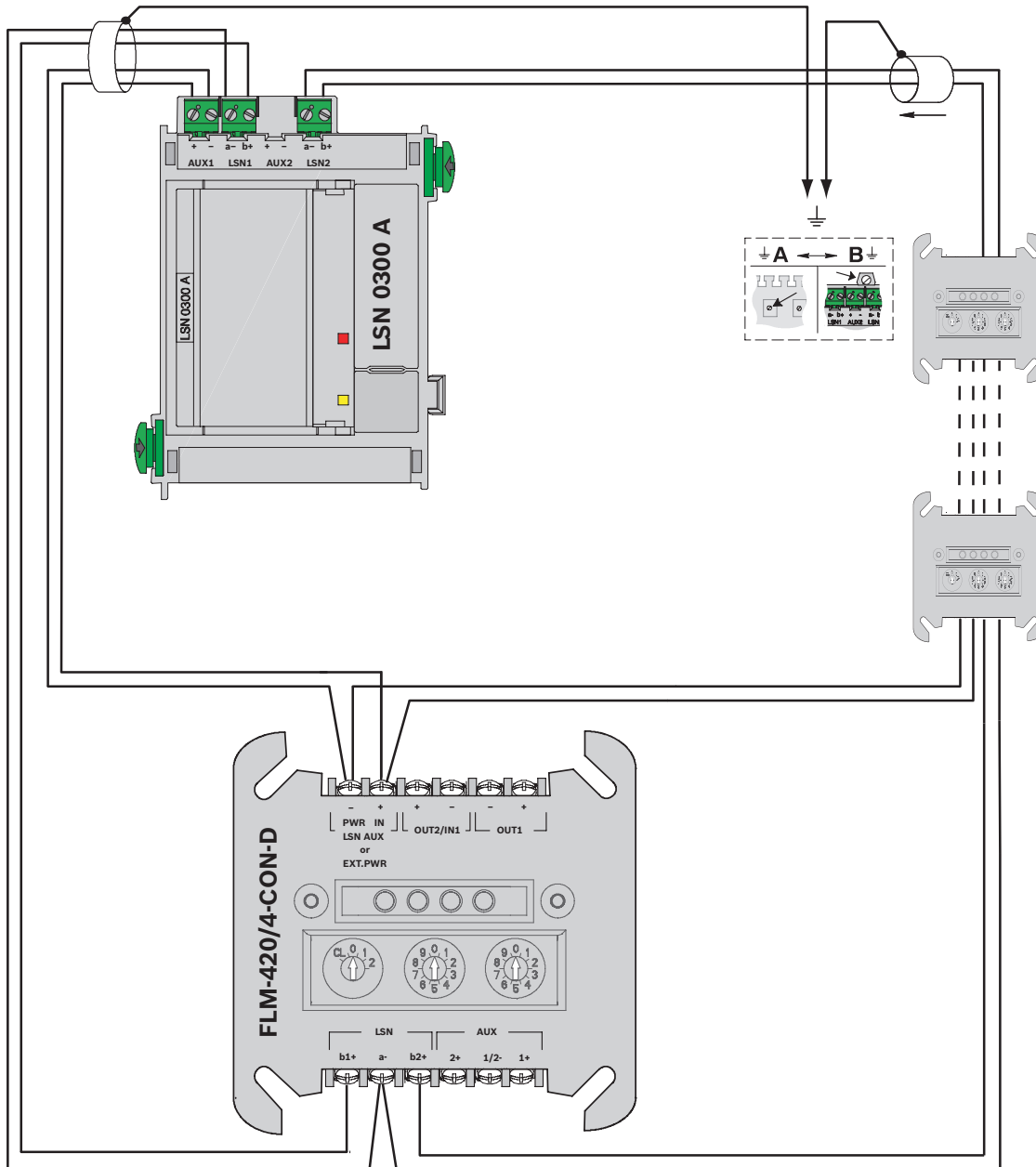
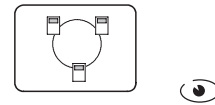
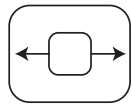
ATB 420 LSNi





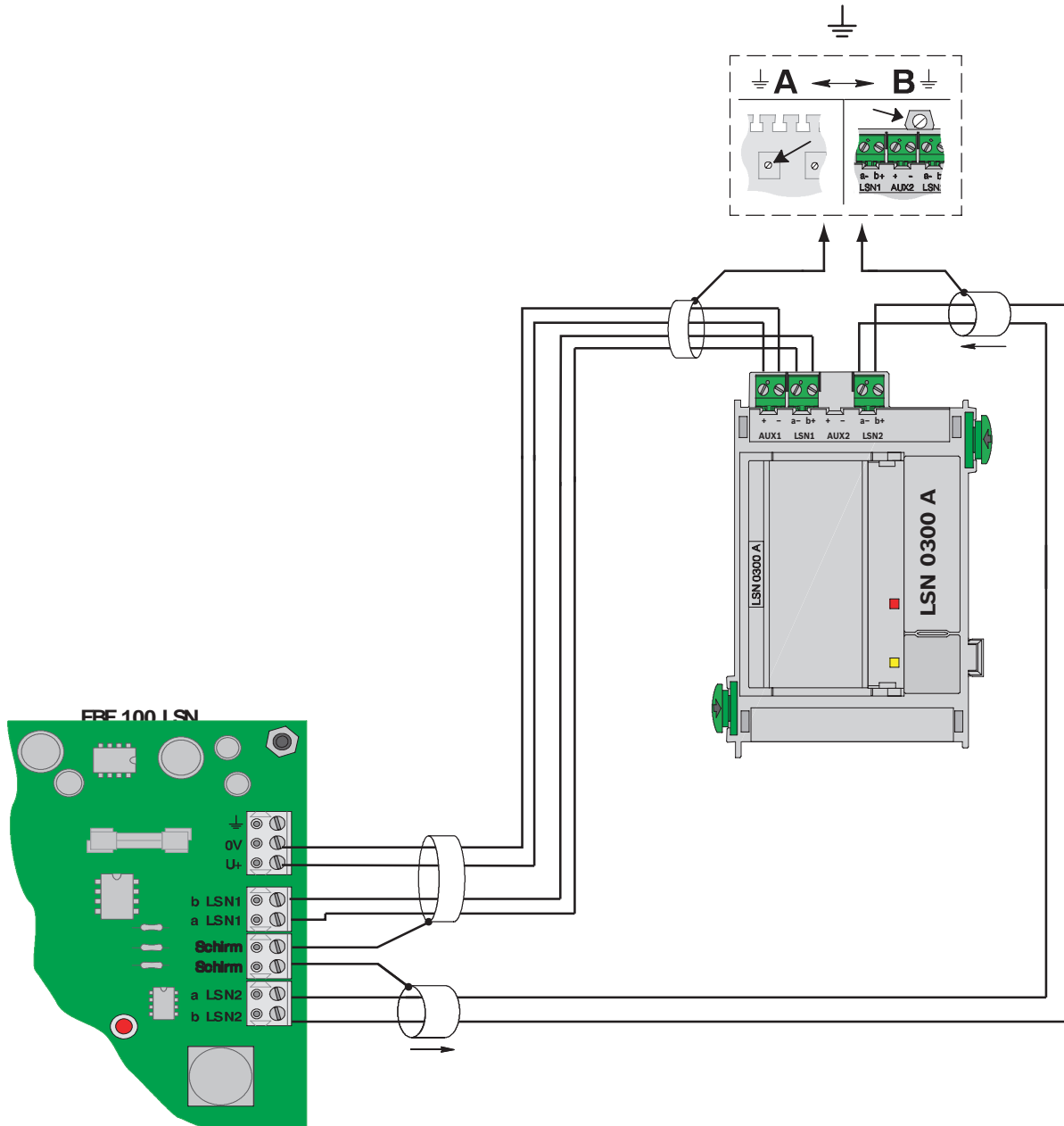
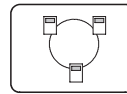
**BAT 100 LSN**  
**ATG 420 LSNi**



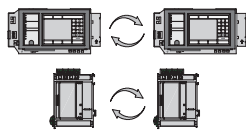




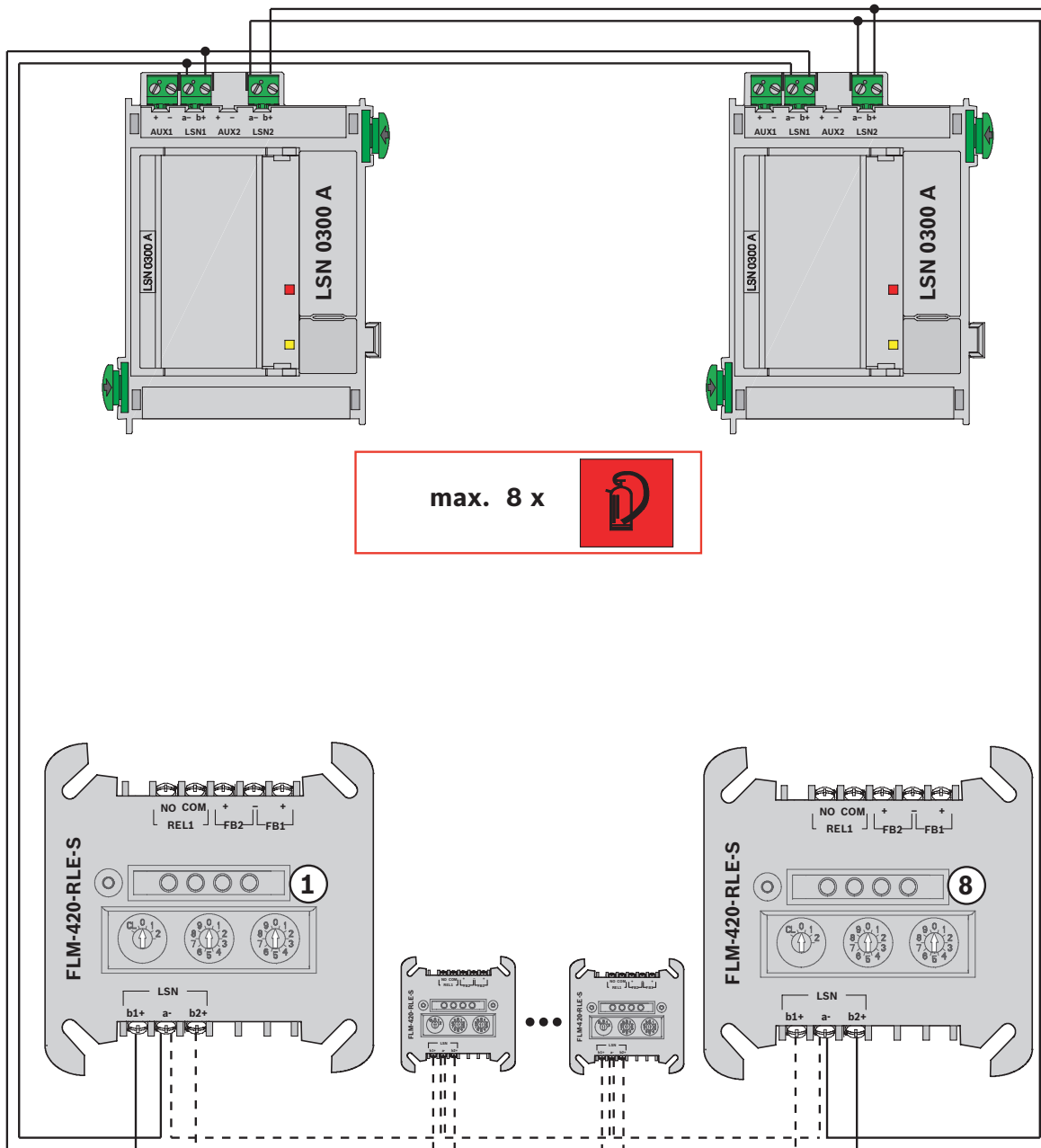
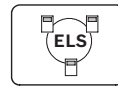
FBF 100 LSN





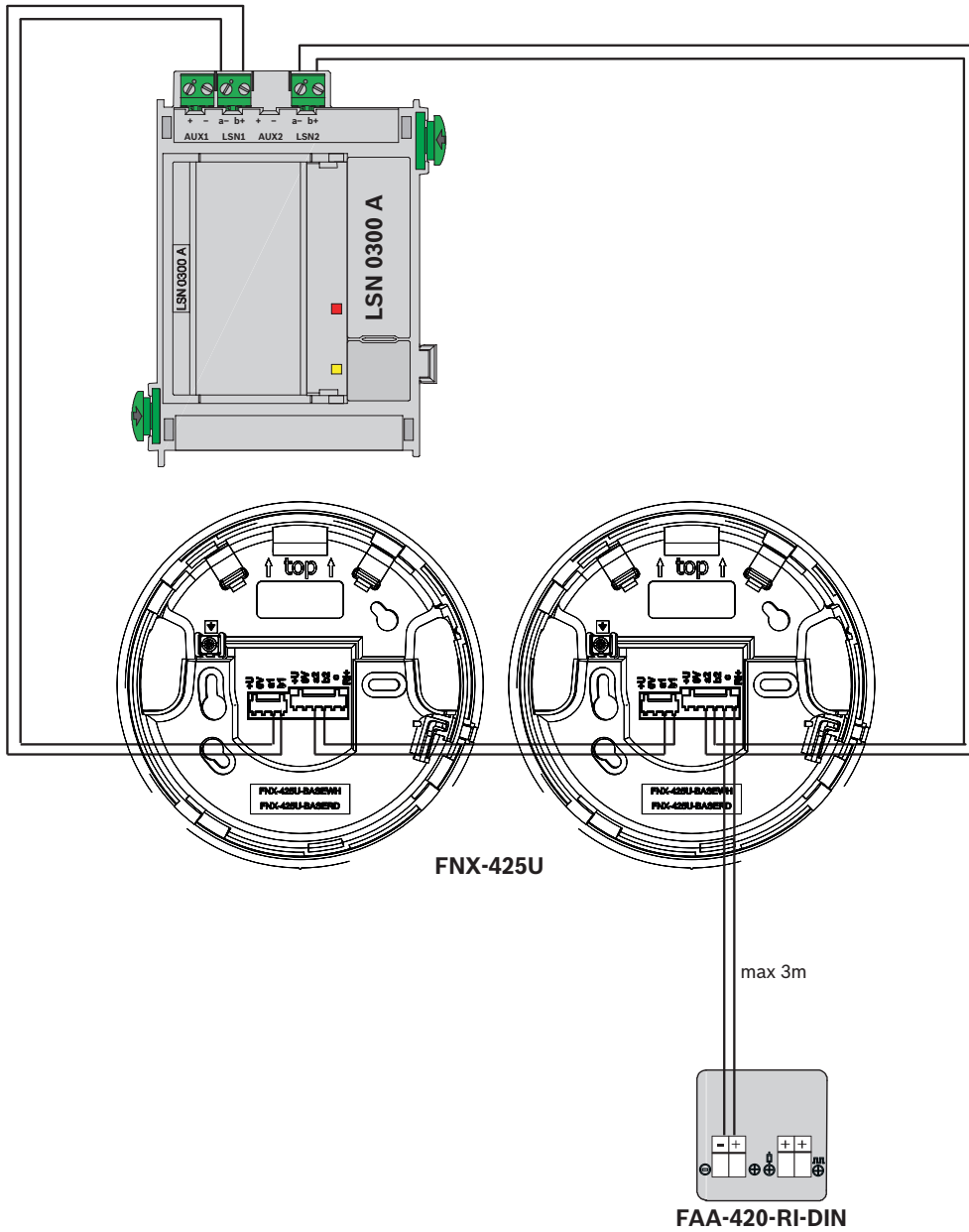
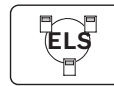


FLM-420-RLE-S





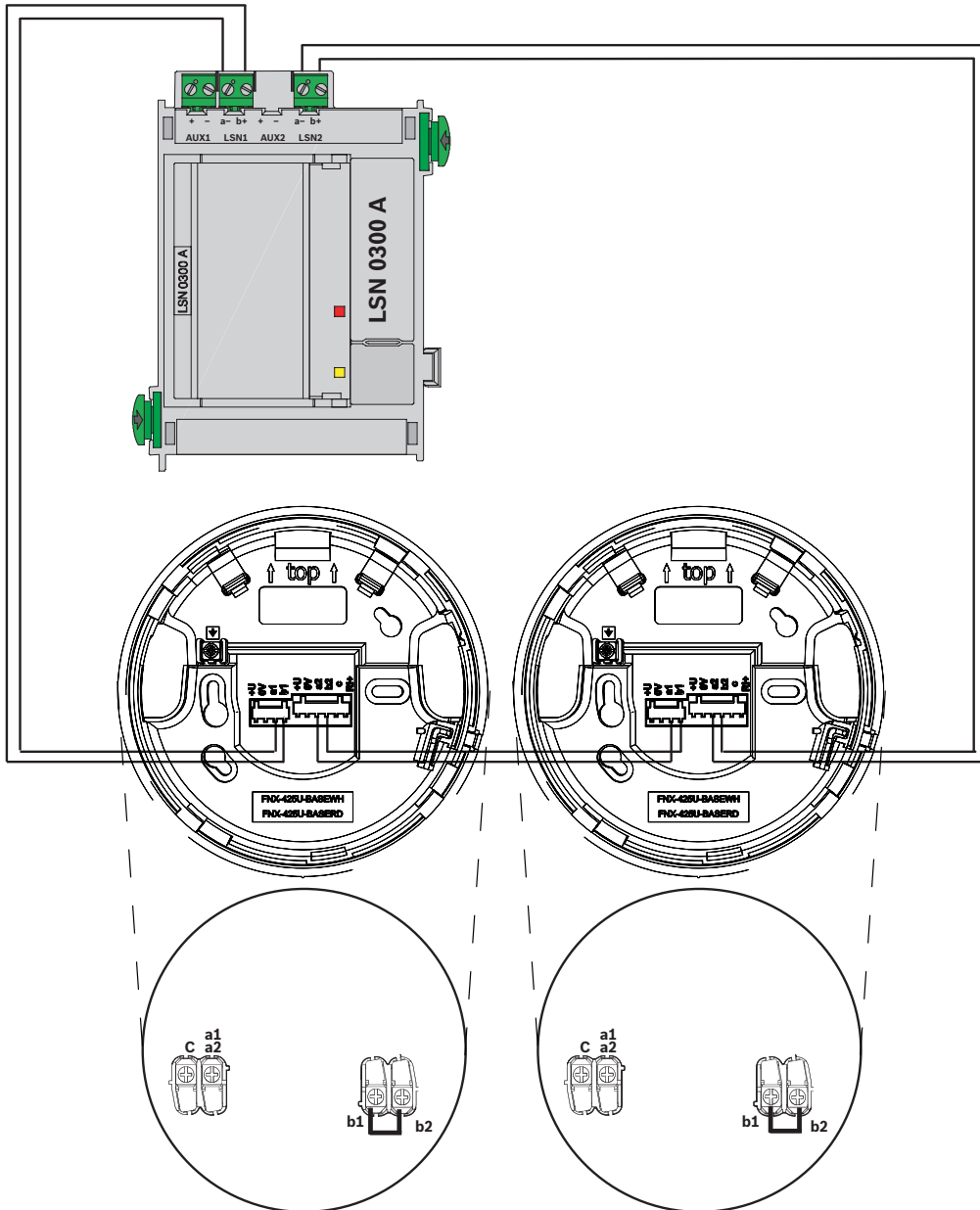
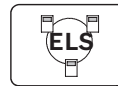
**FNX-425U-WFWH**  
**FNX-425U-RFWH**  
**FNX-425U-WFRD**  
**FNX-425U-RFRD**

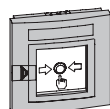
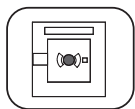




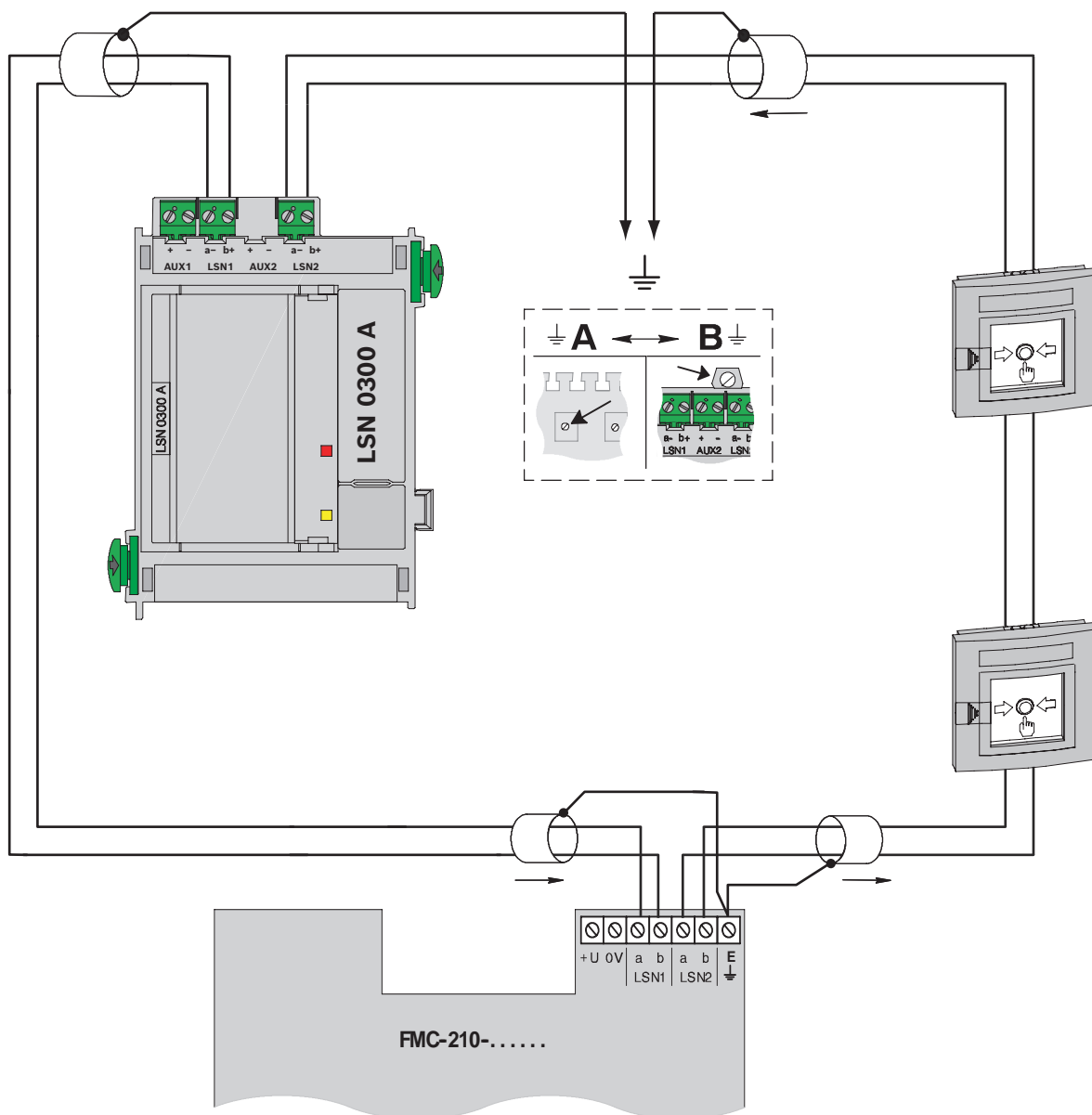
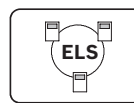
FNX-425U-WFWH  
 FNX-425U-RFWH  
 FNX-425U-WFRD  
 FNX-425U-RFRD

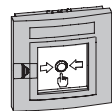
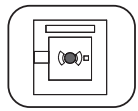
+ FNX-425U-COVWH  
 FNX-425U-COVRD



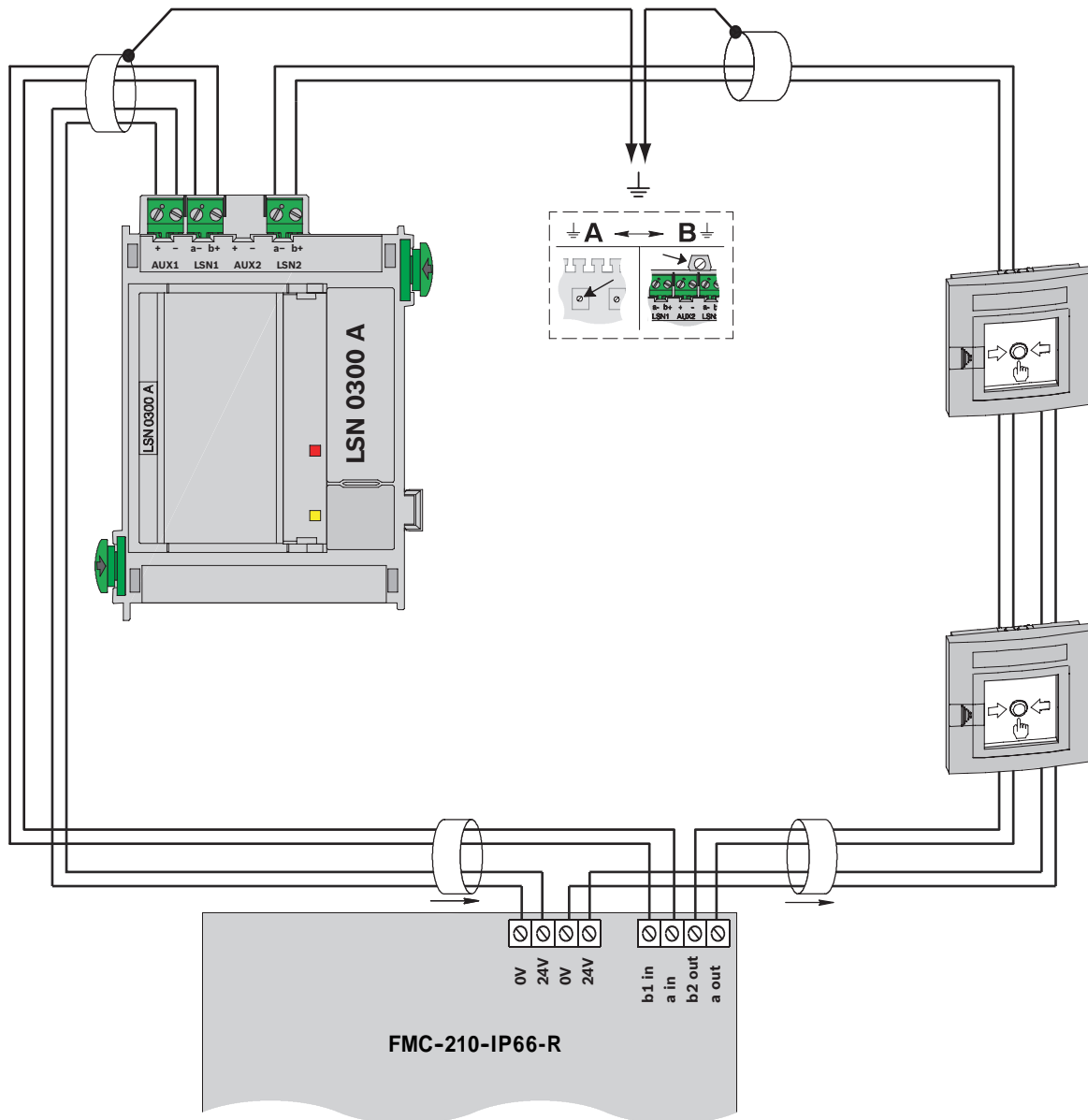
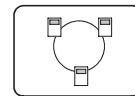


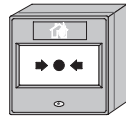
FMC-210...



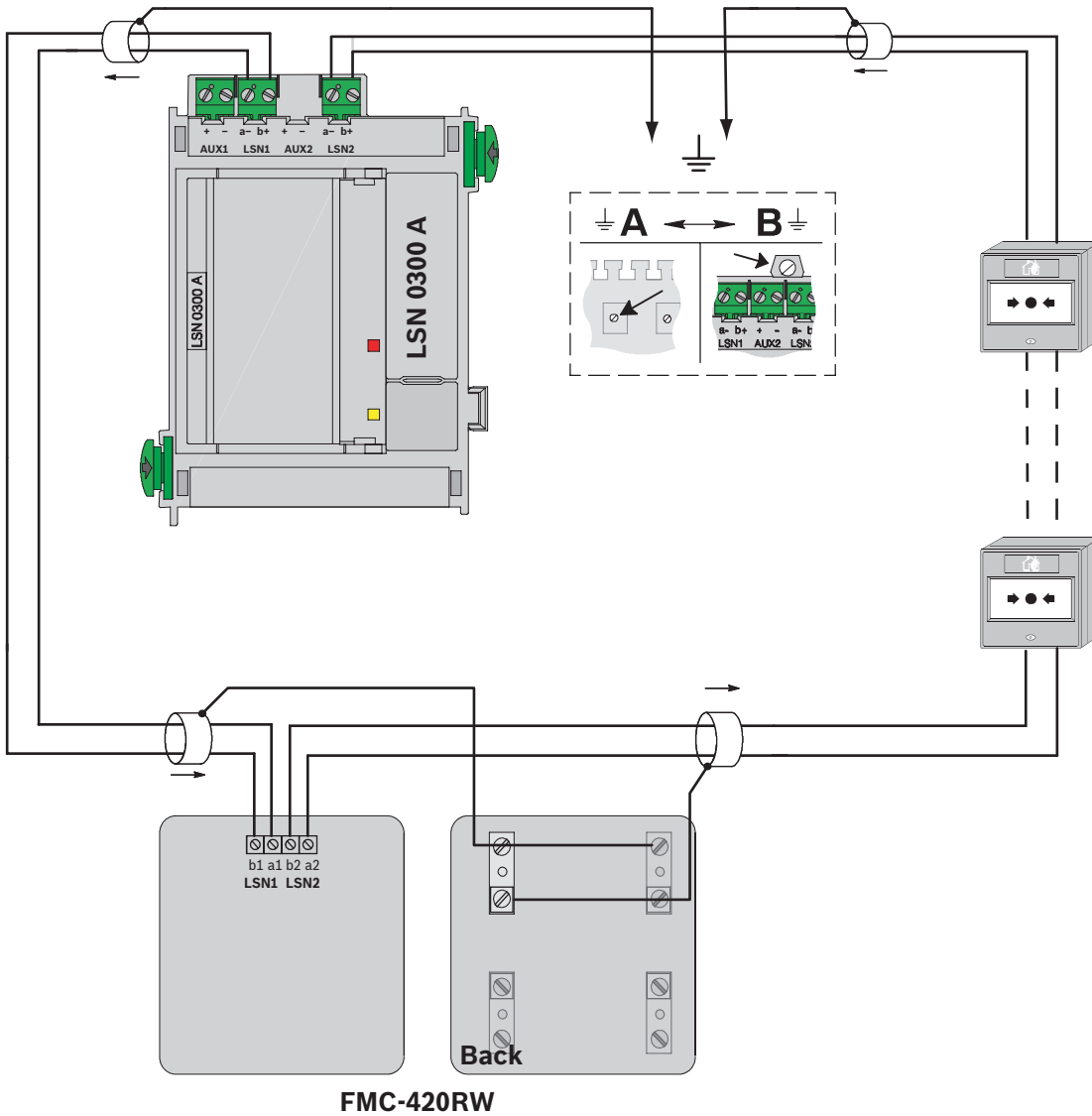
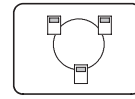


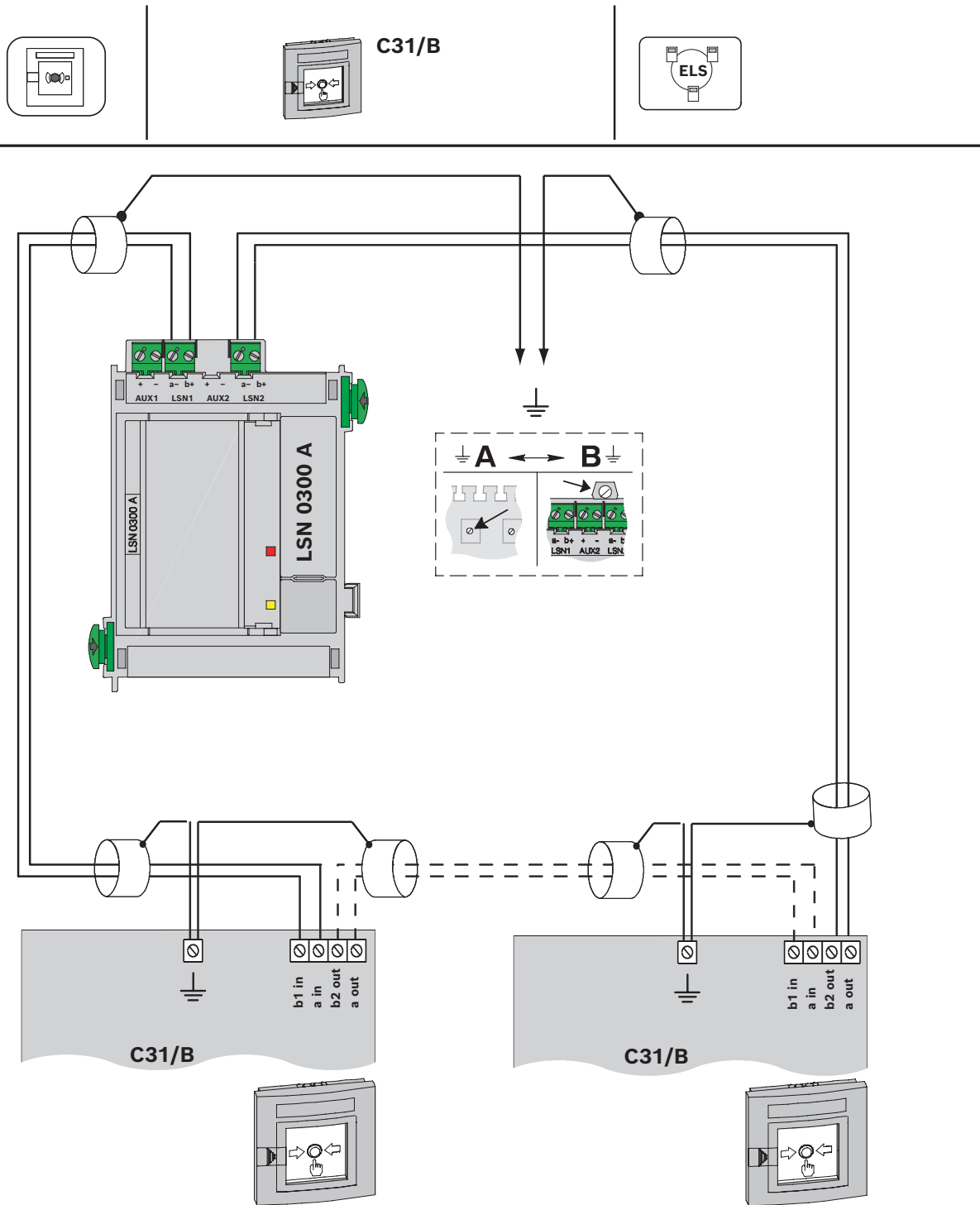
**FMC-210-IP66-R**

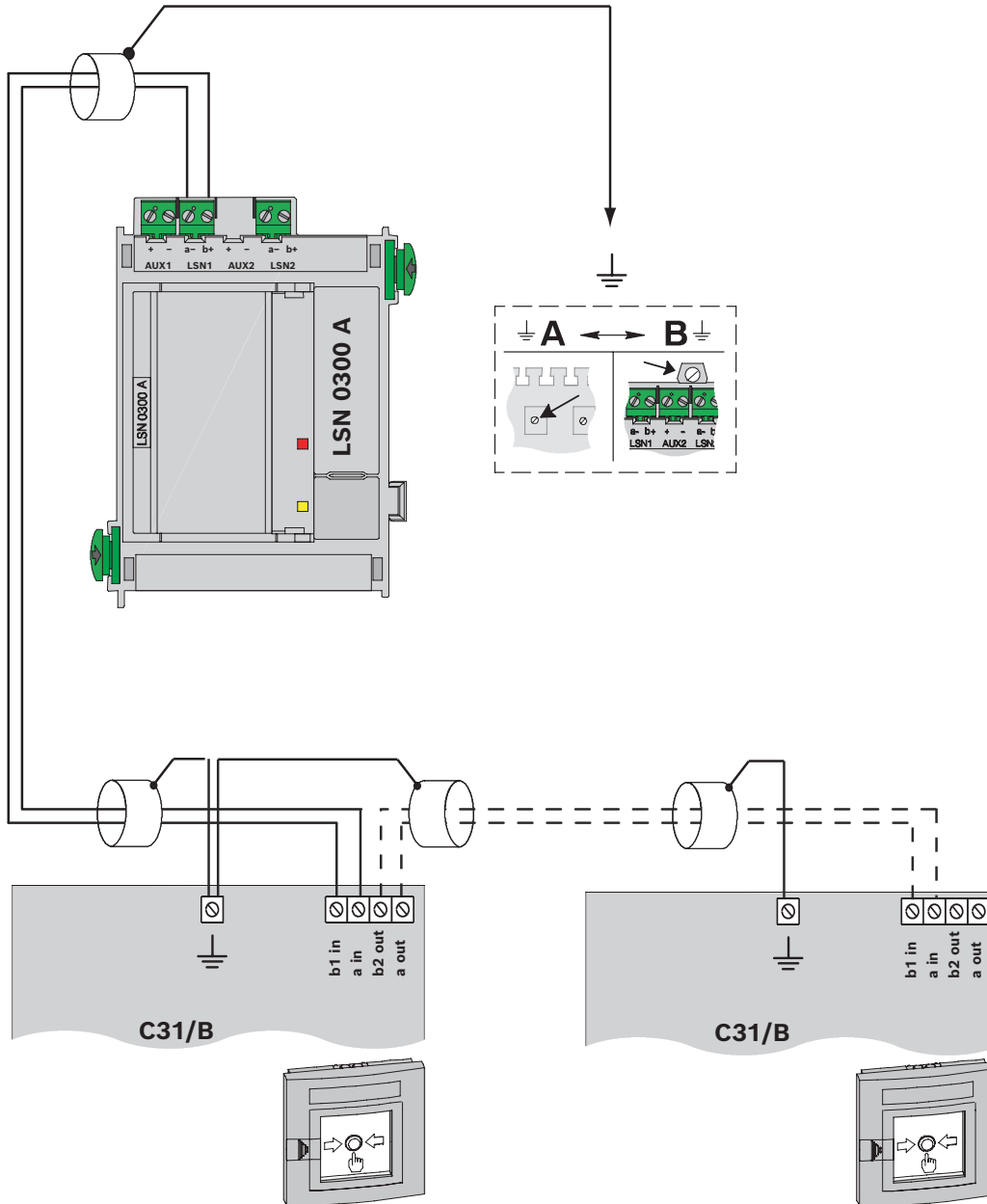
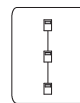
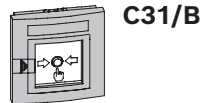




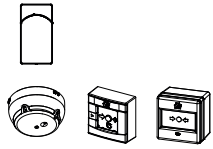
FMC-420RW-HSGRD  
 FMC-420RW-HSRRD  
 FMC-420RW-GFGRD  
 FMC-420RW-GFRRD  
 FMC-420RW-GSGRD  
 FMC-420RW-GSRRD









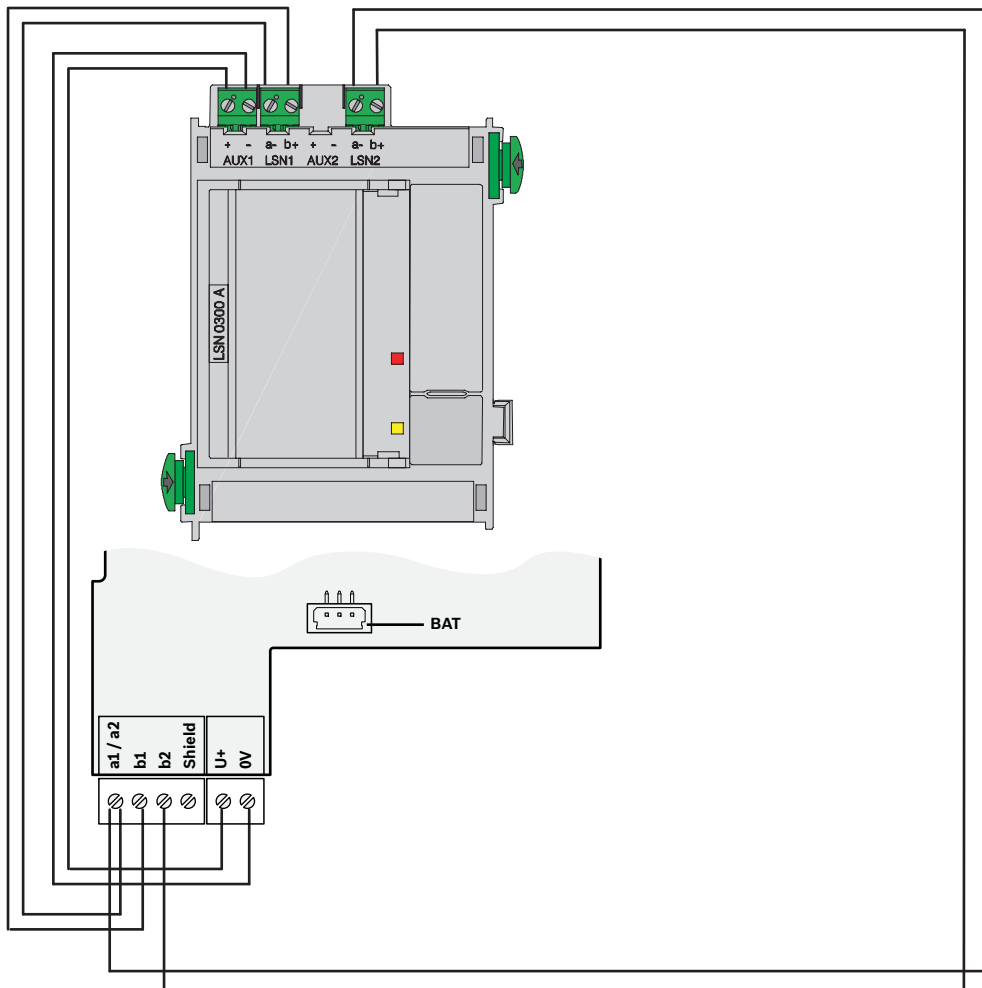
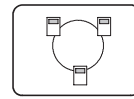


**FWI-270**

**FDOOT271-O**

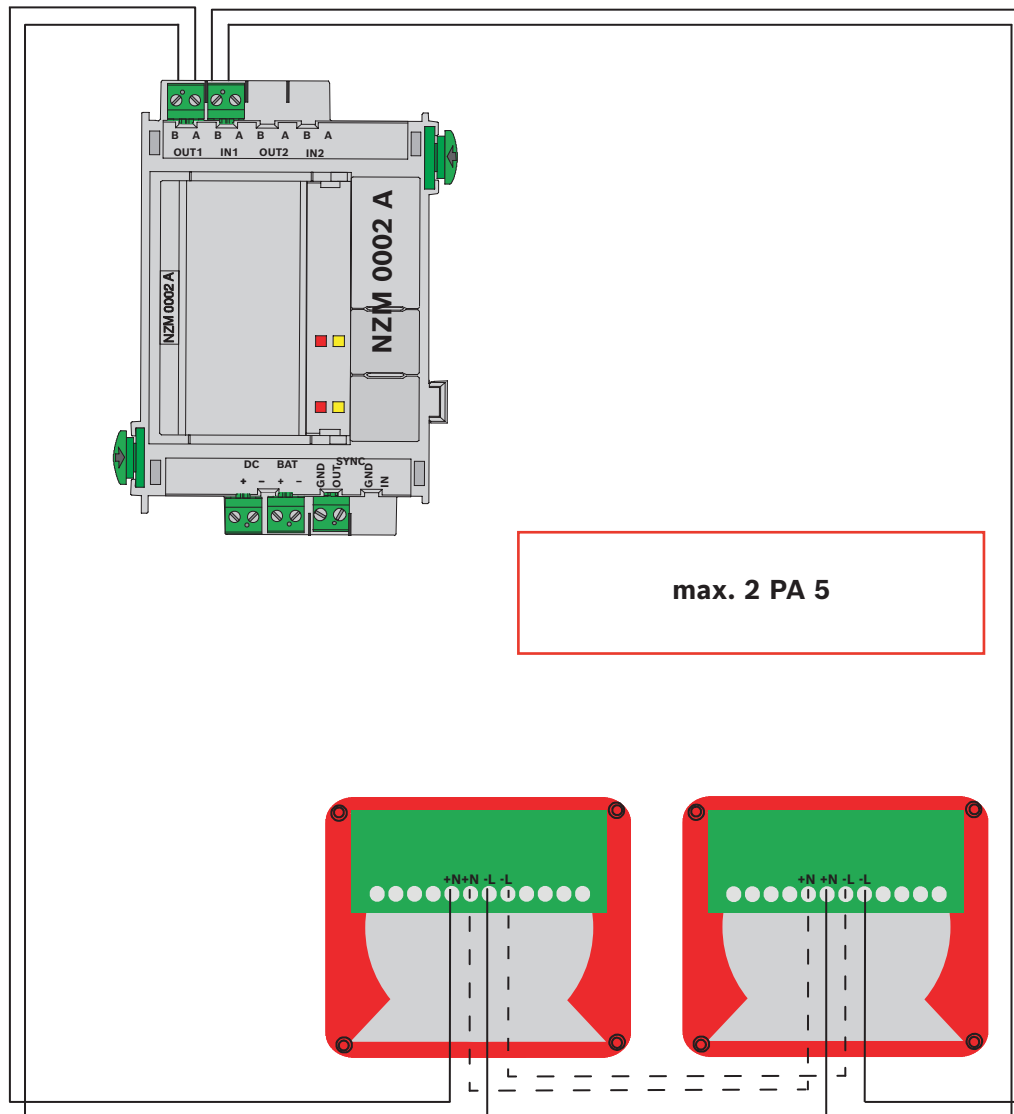
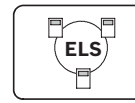
**FDM275-O**

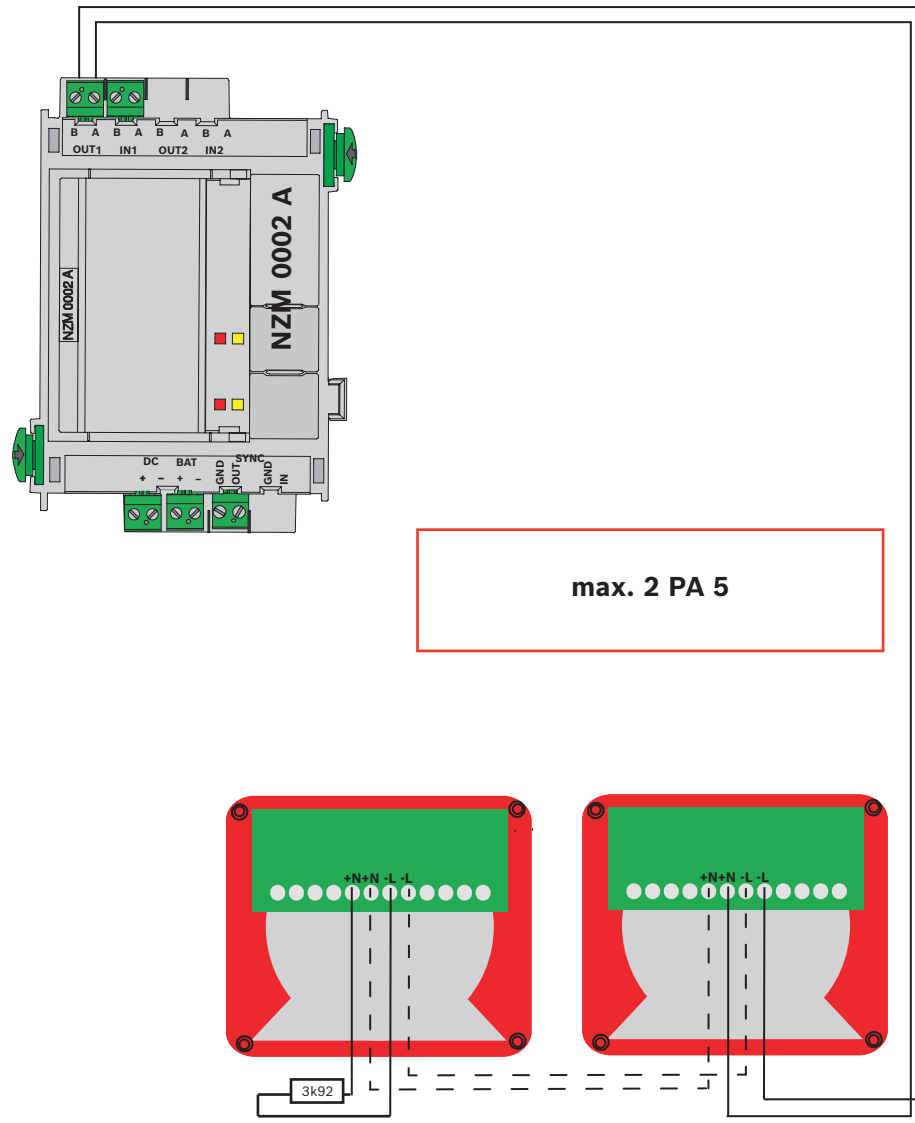
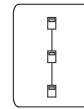
**FDM273-O**

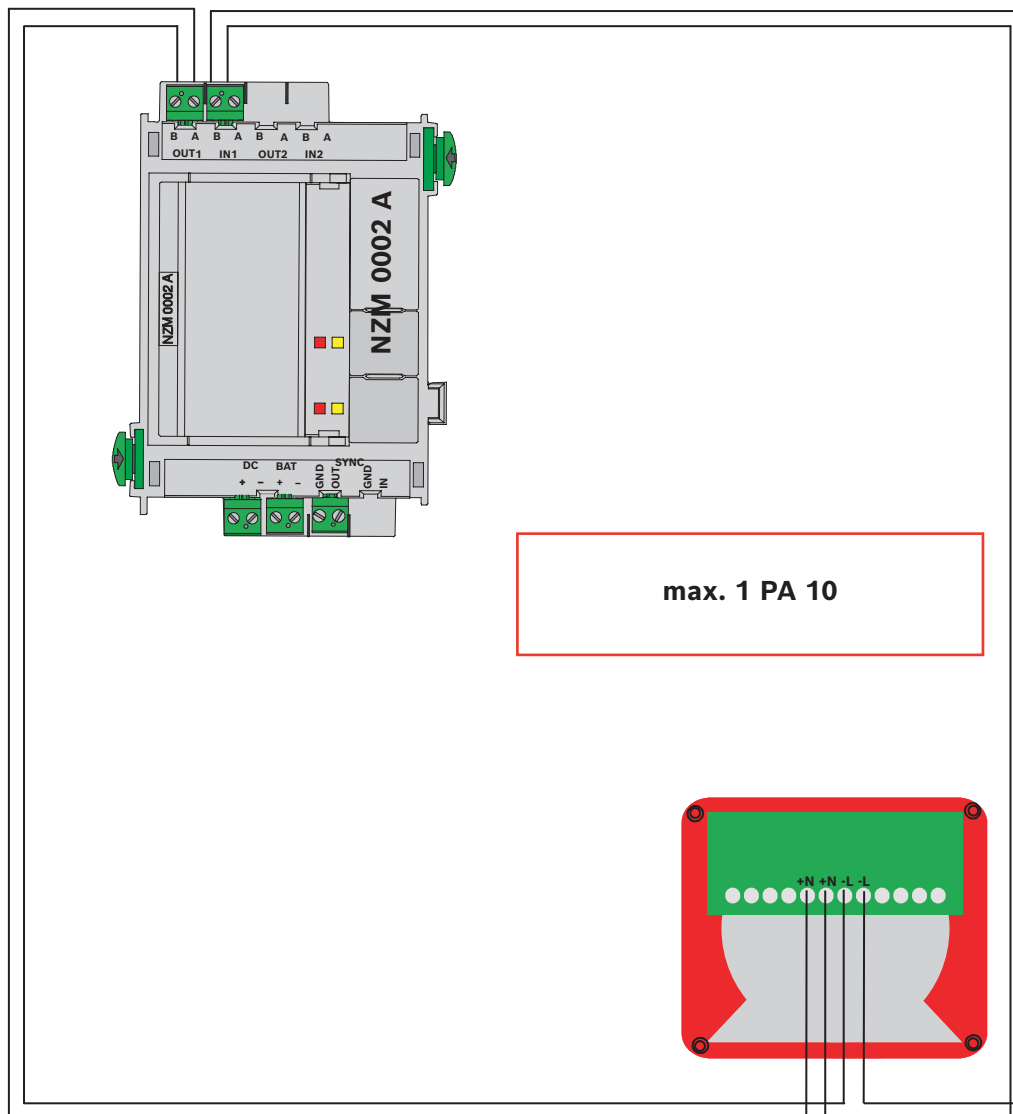
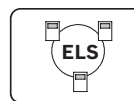


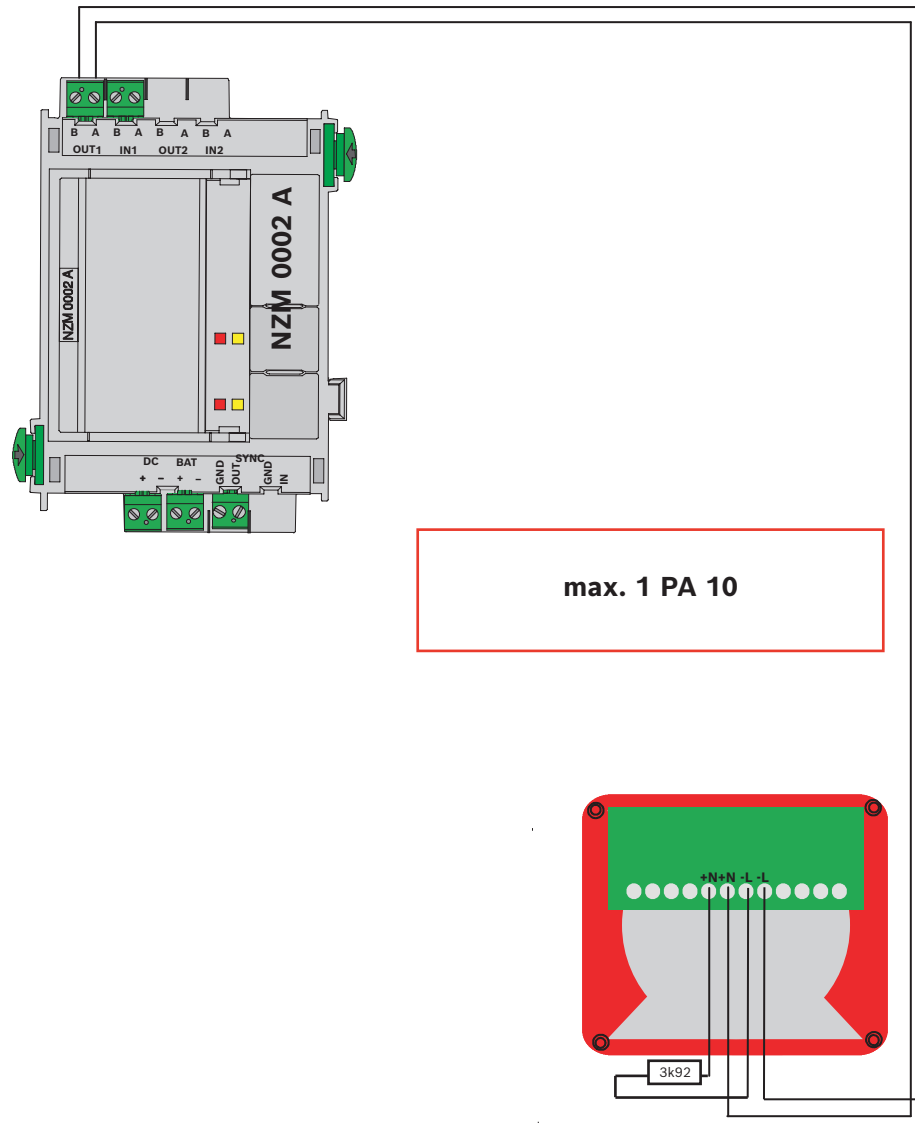
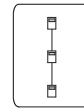
### 2.4.5

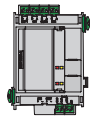
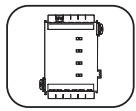
### NZM 0002 A



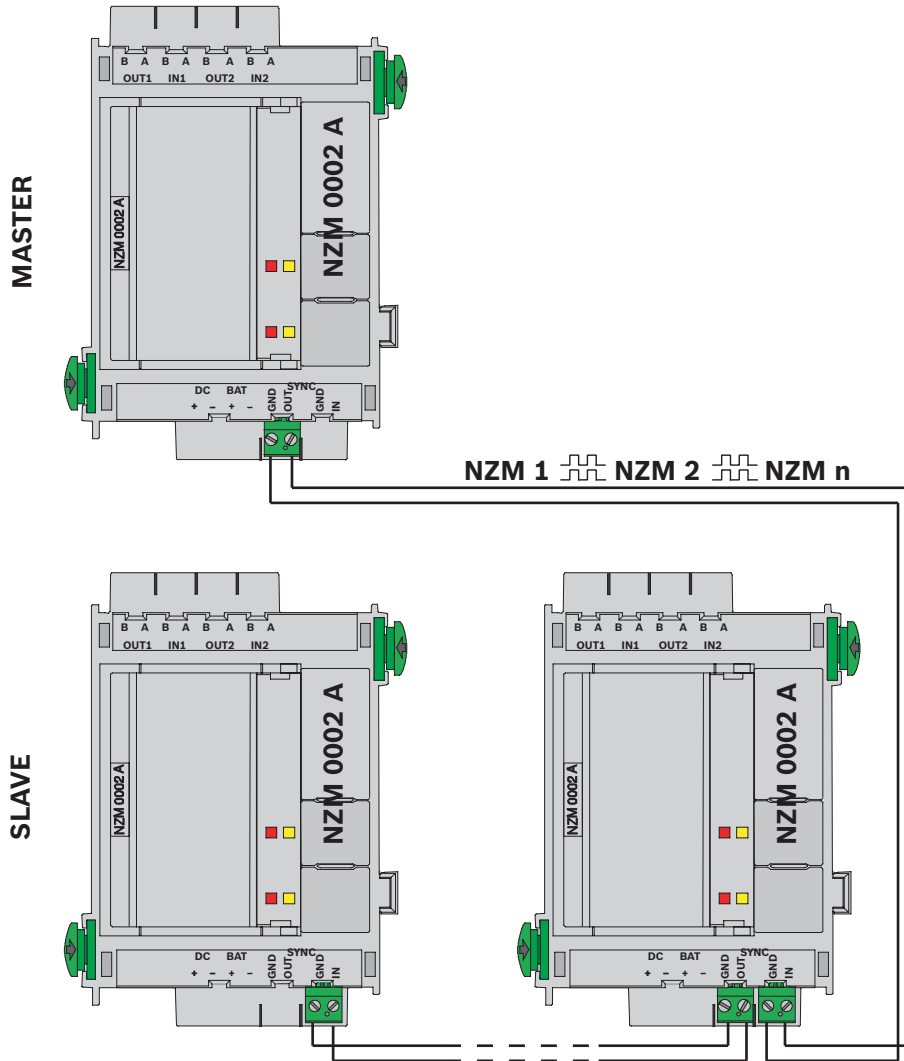


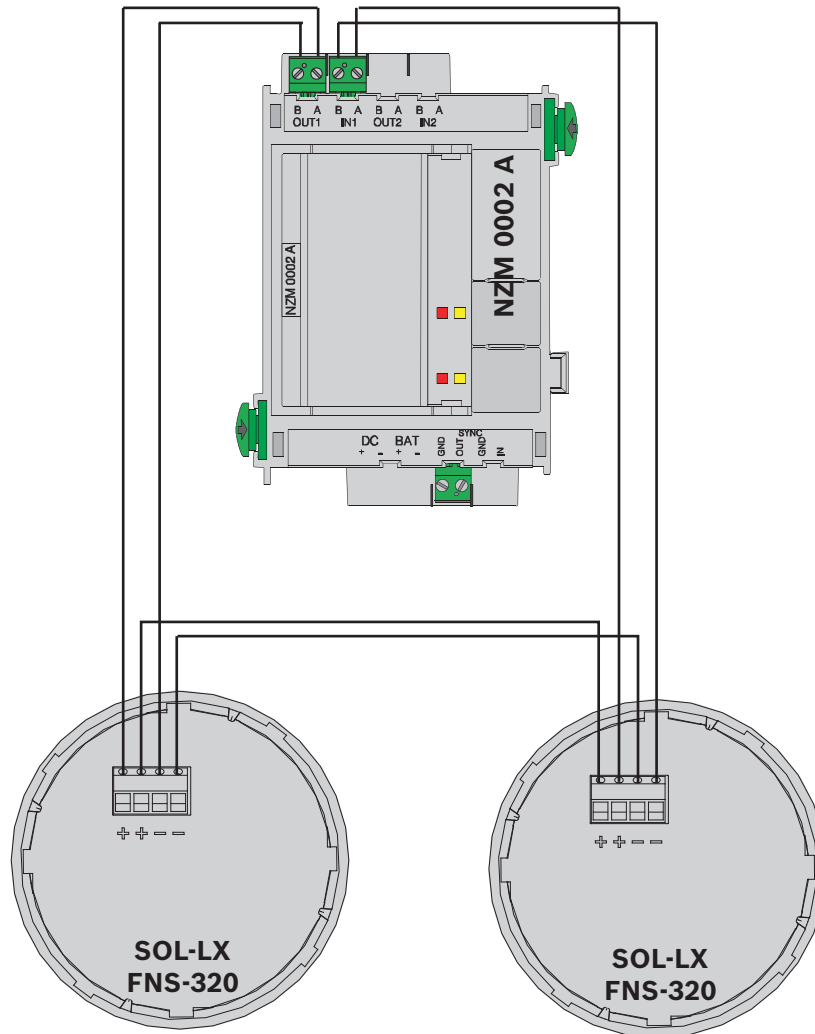
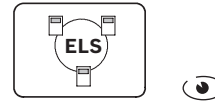


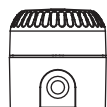




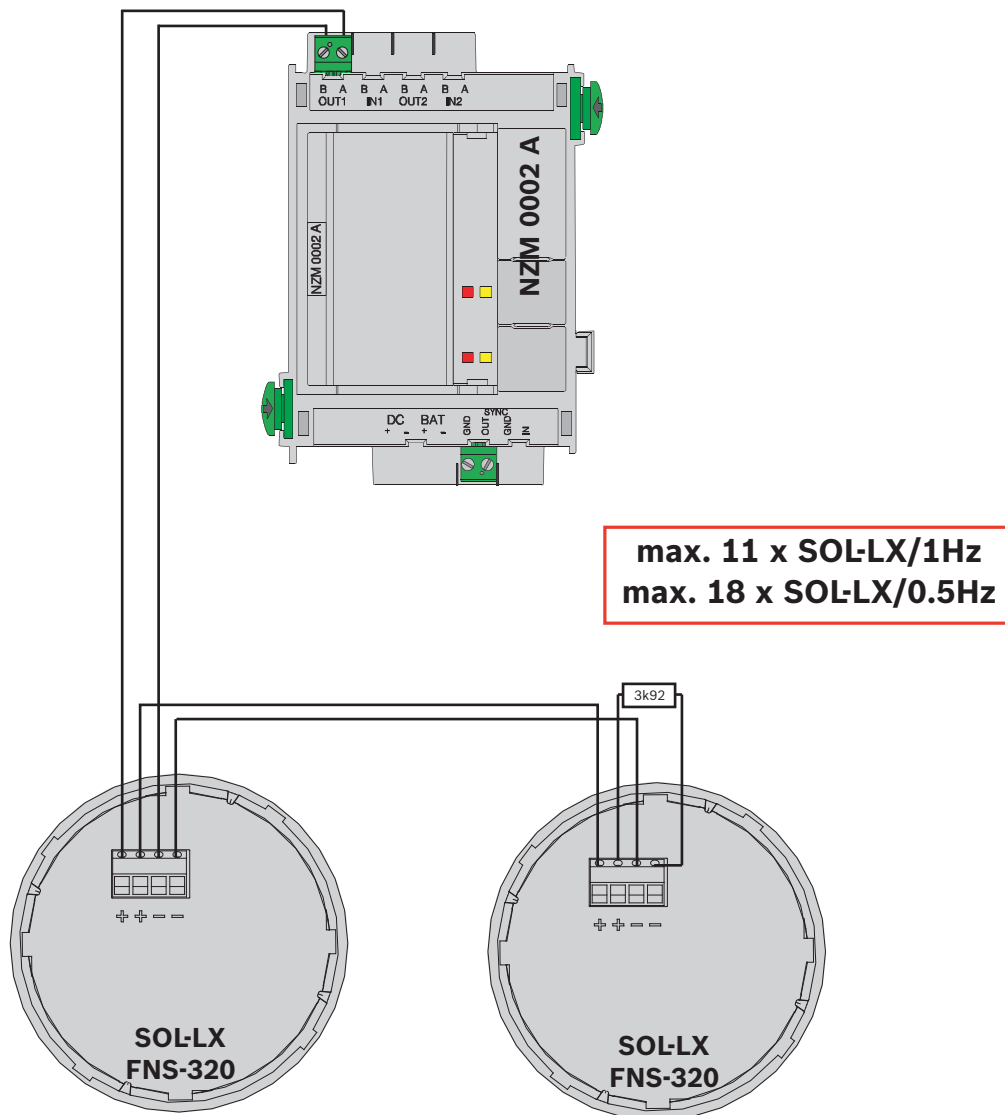
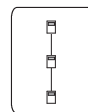
NZM 0002 A



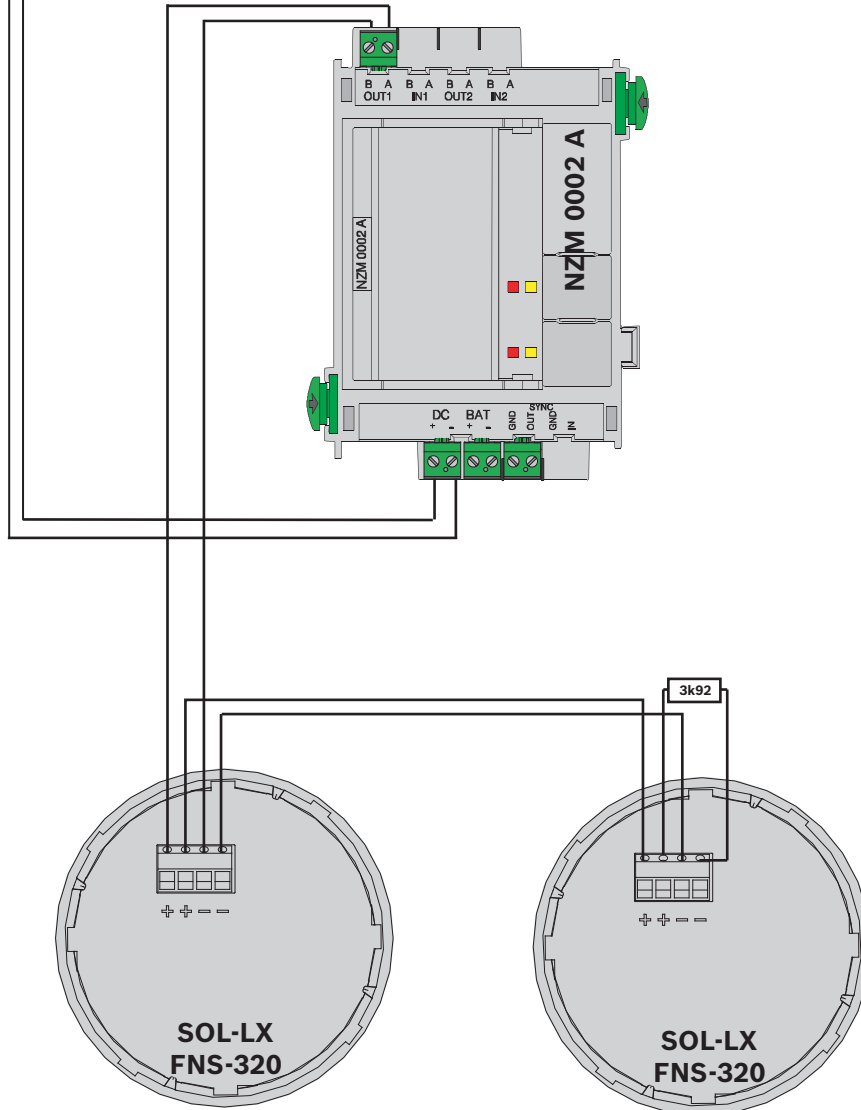
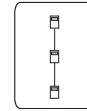


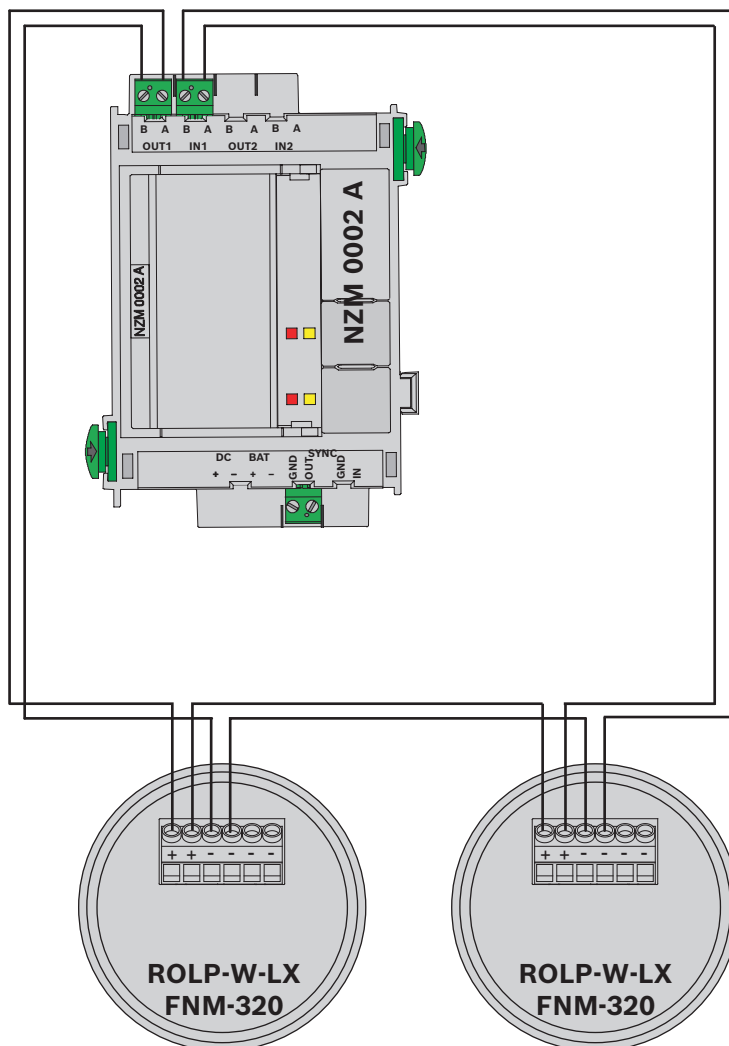
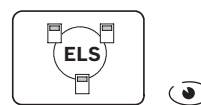


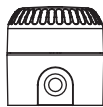
**SOL-LX  
FNS-320**



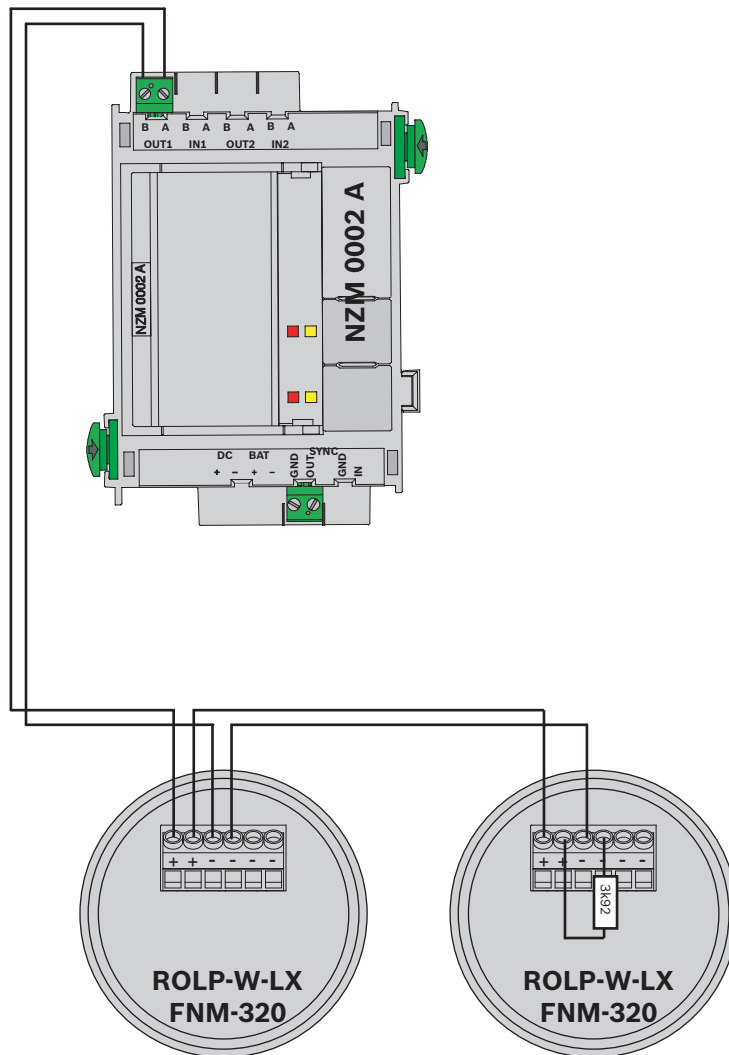
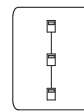






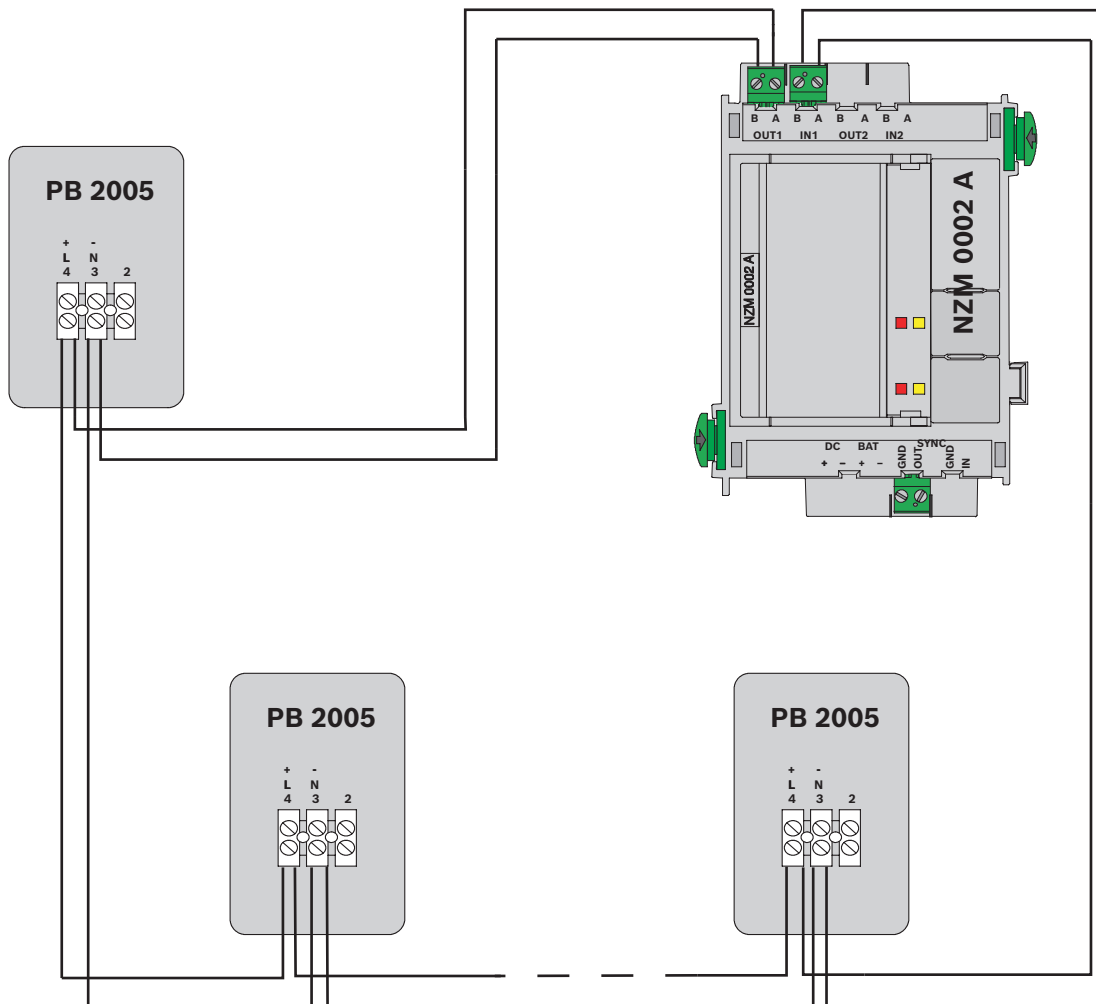
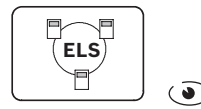


**ROLP-W-LX  
FNM-320**



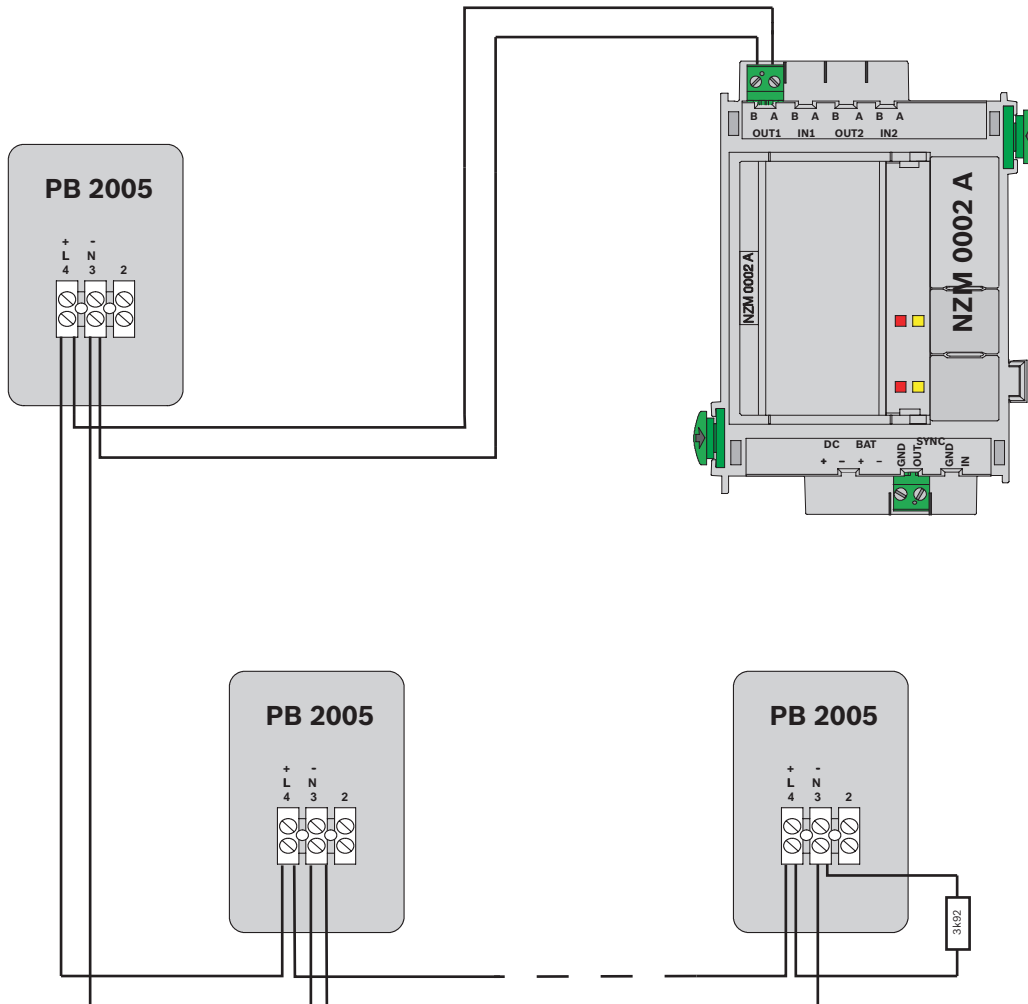
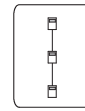


PB 2005



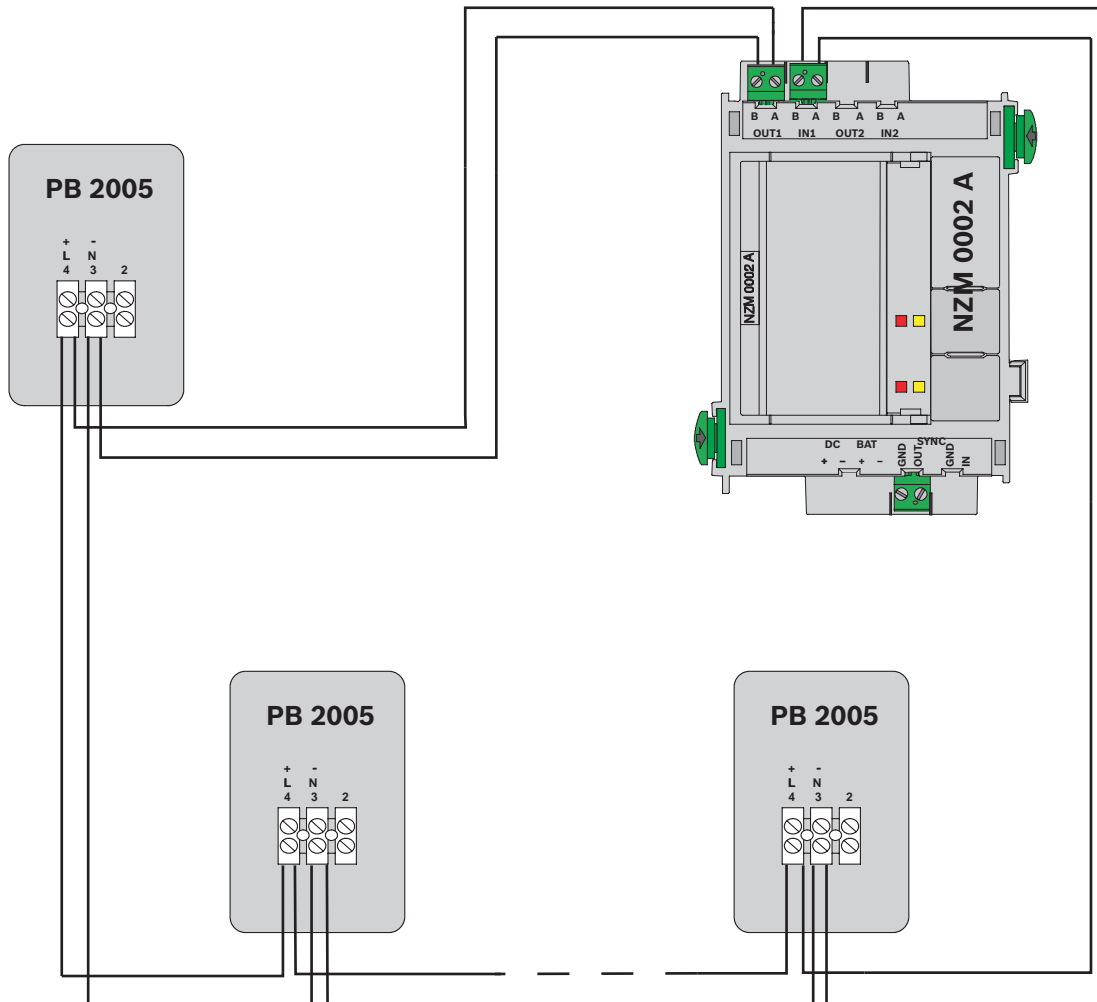
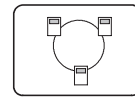


**PB 2005**



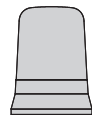


PB 2005

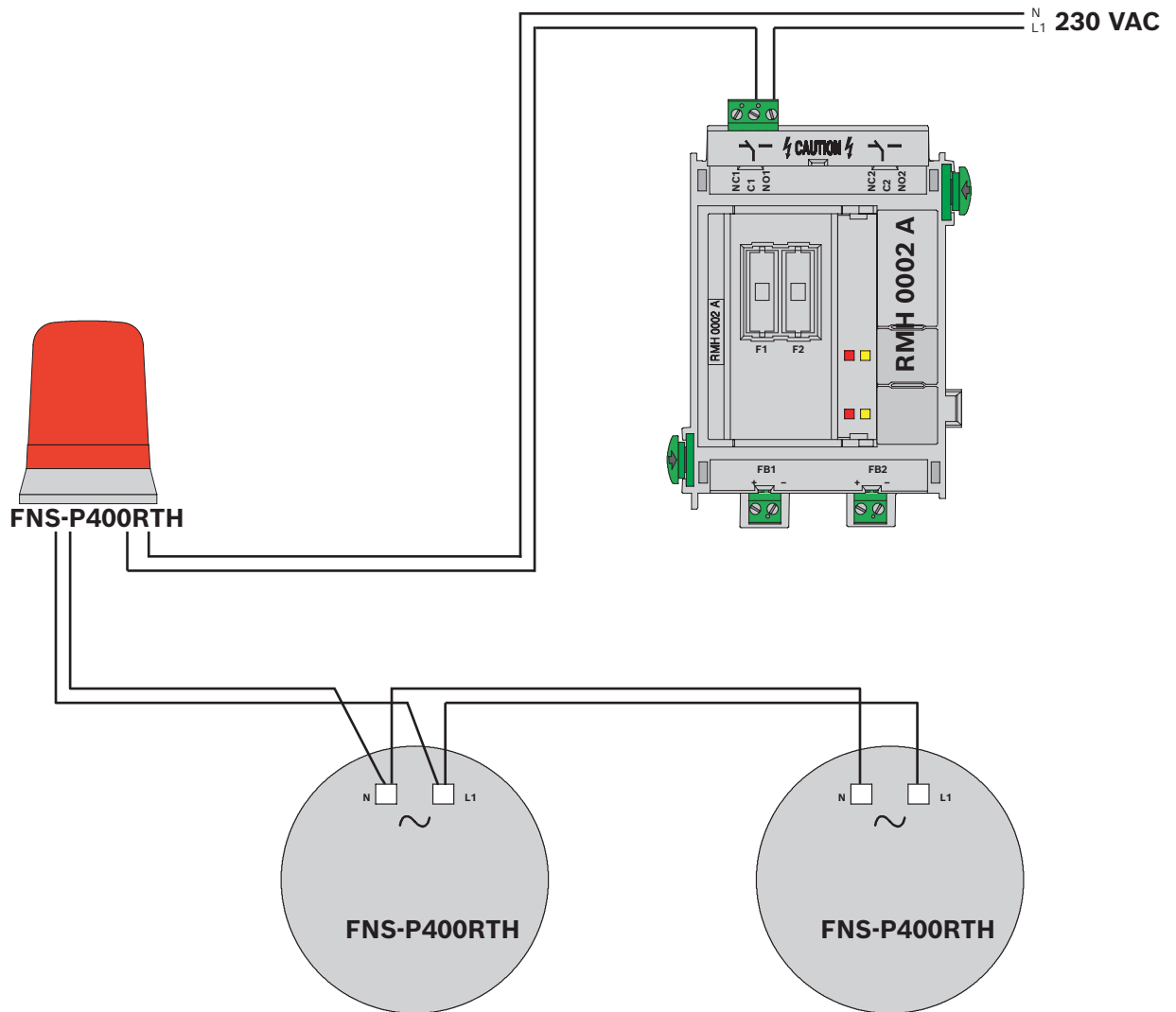
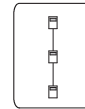


2.4.6

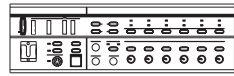
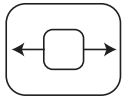
RMH 0002 A



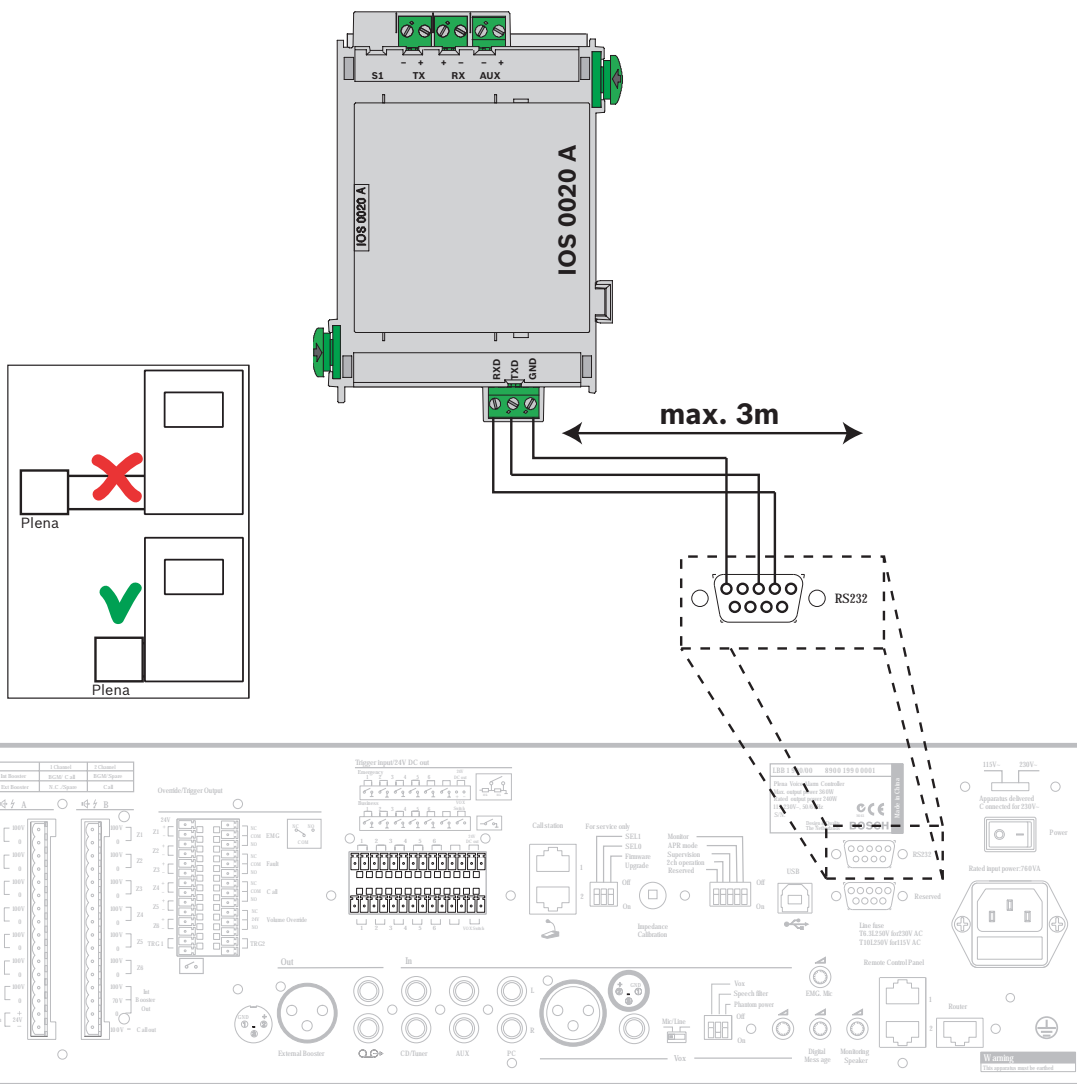
FNS-P400RTH



### 2.4.7 IOS 0020 A



Plena



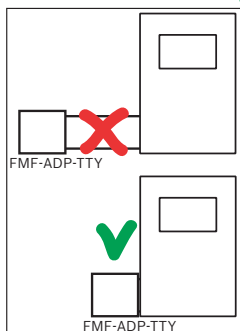
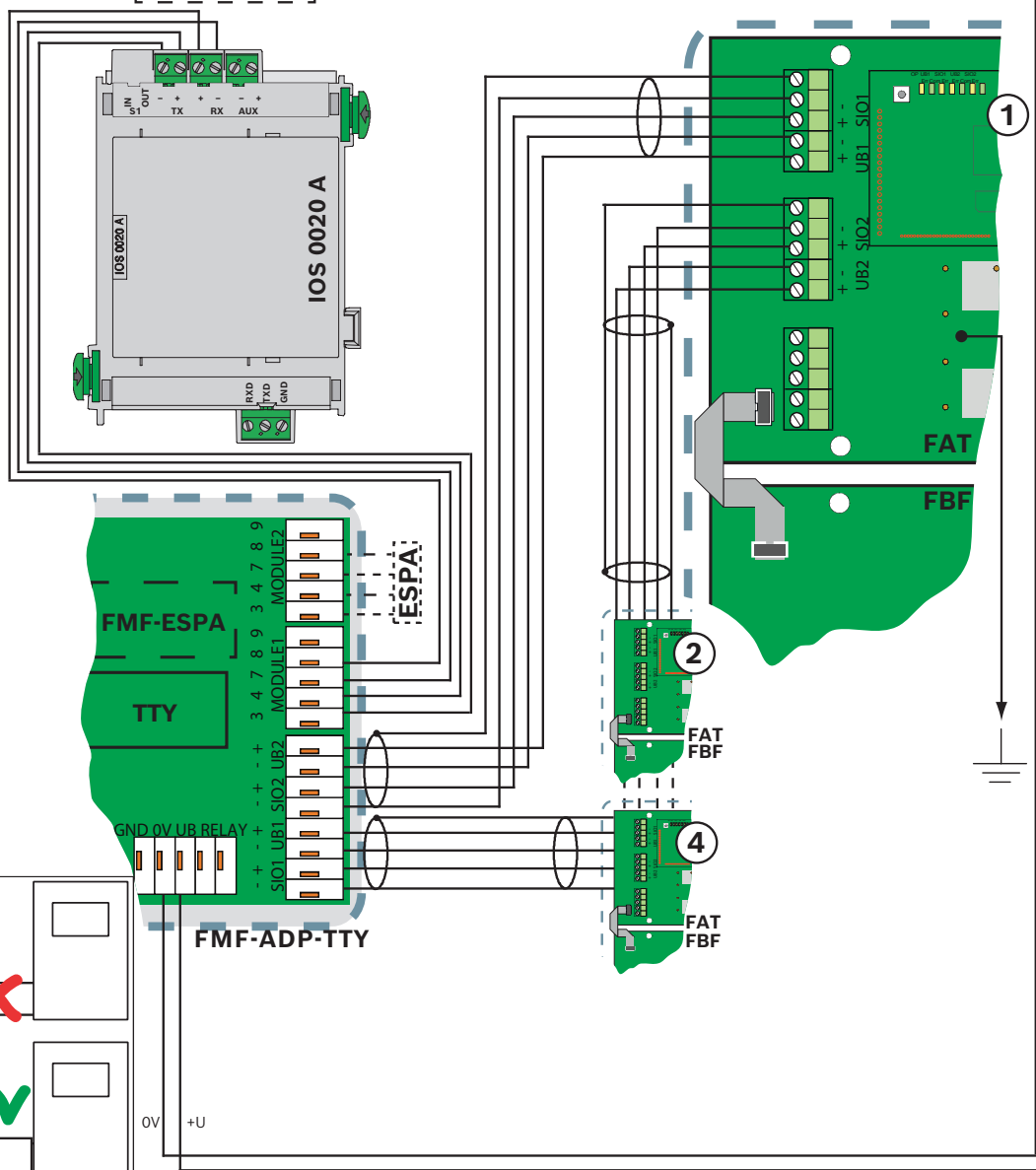




FAT4000 FBF4000 ADP4000

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

ELS

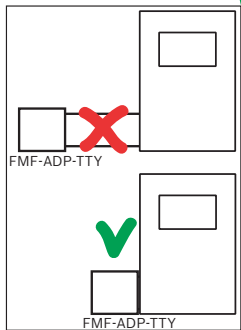
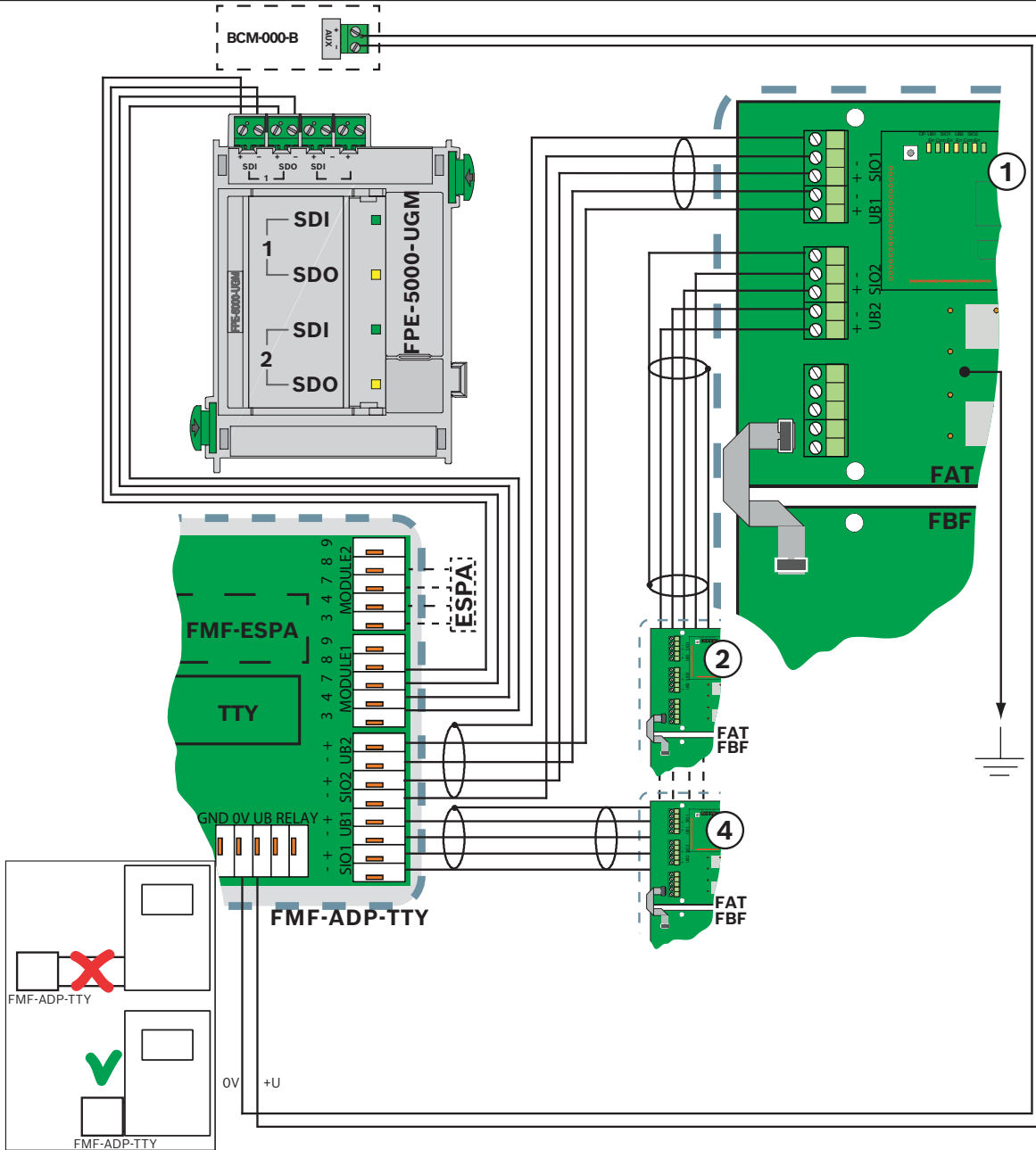


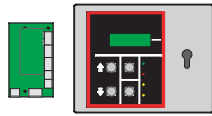
### 2.4.8 FPE-5000-UGM



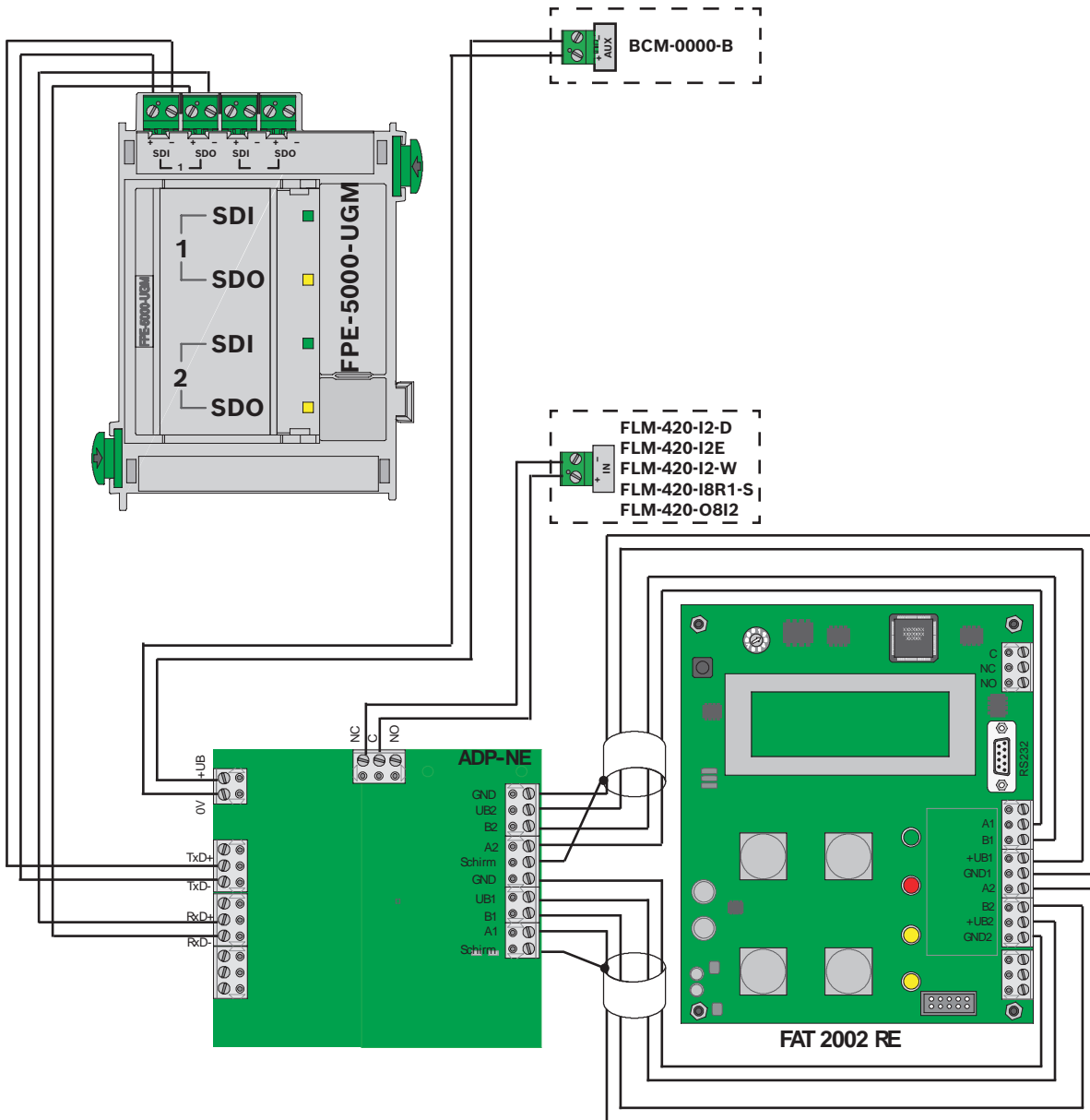
FAT4000 FBF4000 ADP4000  
 FMF-FAT FMF-FBF-FAT  
 FMF-FIBS-A4/-A3  
 FMF-ADP

ELS





**FAT2002RE  
ADP-NE**



## 2.5 Interface Modules



*FLM-420-4/CON-D/S, pagină 125*

*FLM-420-I8R1-S, pagină 158*

*FLM-420-NAC-D/S, pagină 160*

*FLM-420-RHV, pagină 172*

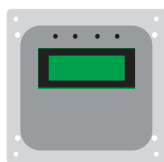
*FLM-420-RLE-S, pagină 184*

*FLM-420-RLV1-E, pagină 185*

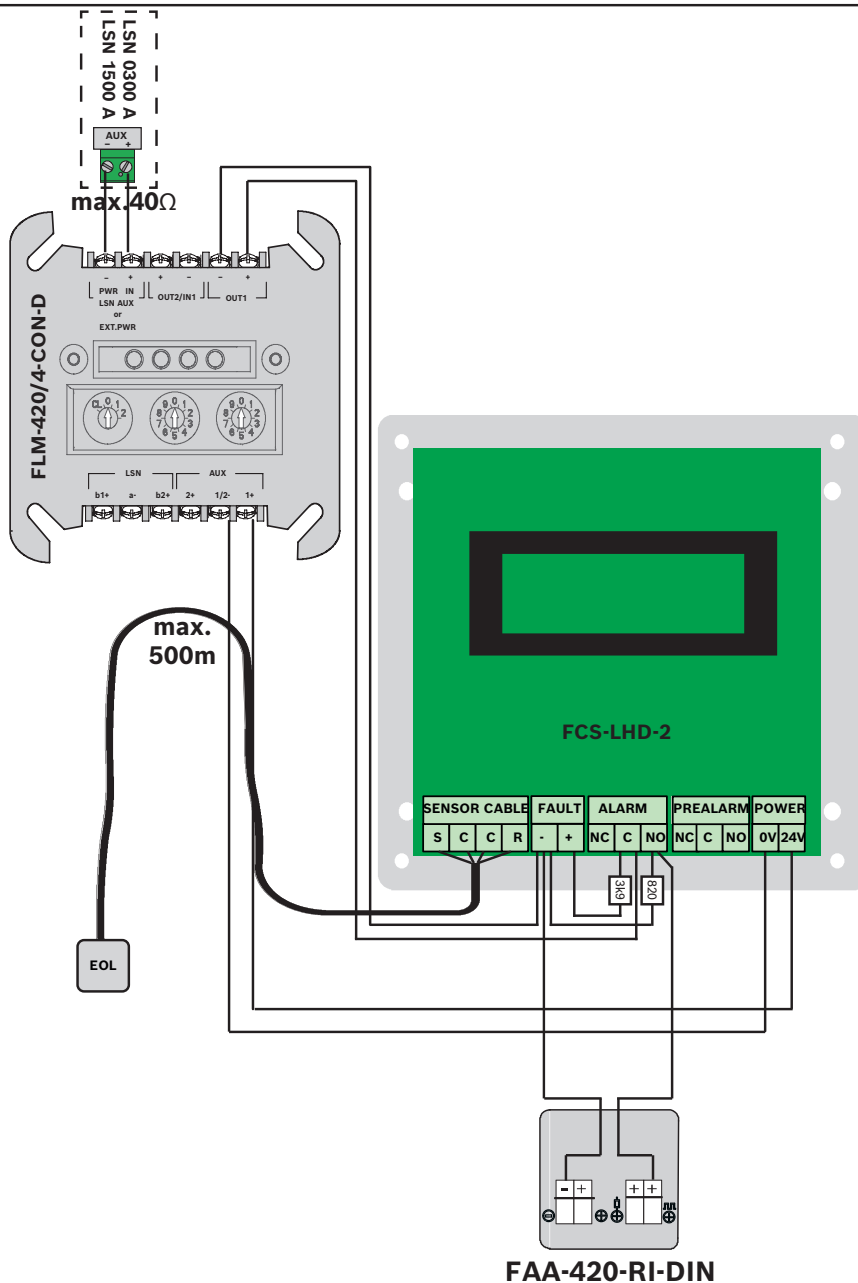
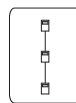
*FLM-420-RLV8-S, pagină 186*

*FMF-ADP-FBF/FMF-ADP-TTY, pagină 187*

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

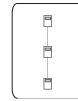


ALARMLINE II





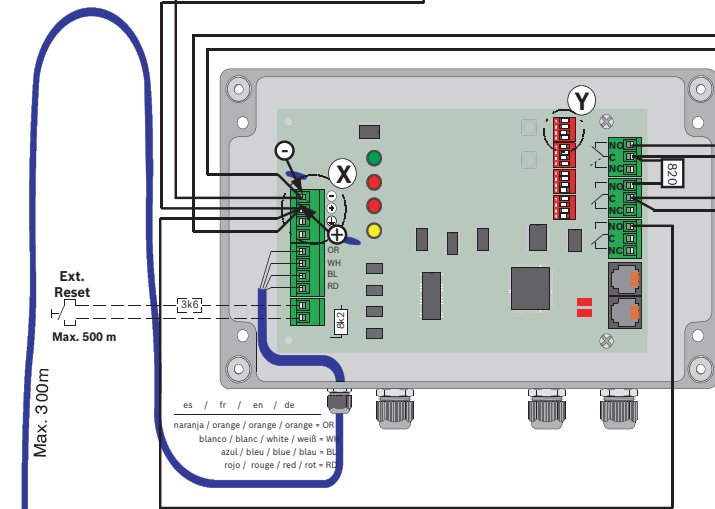
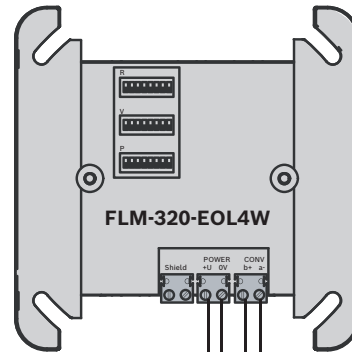
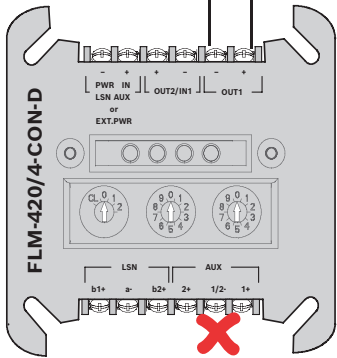
FCS-LWM-1



ELS

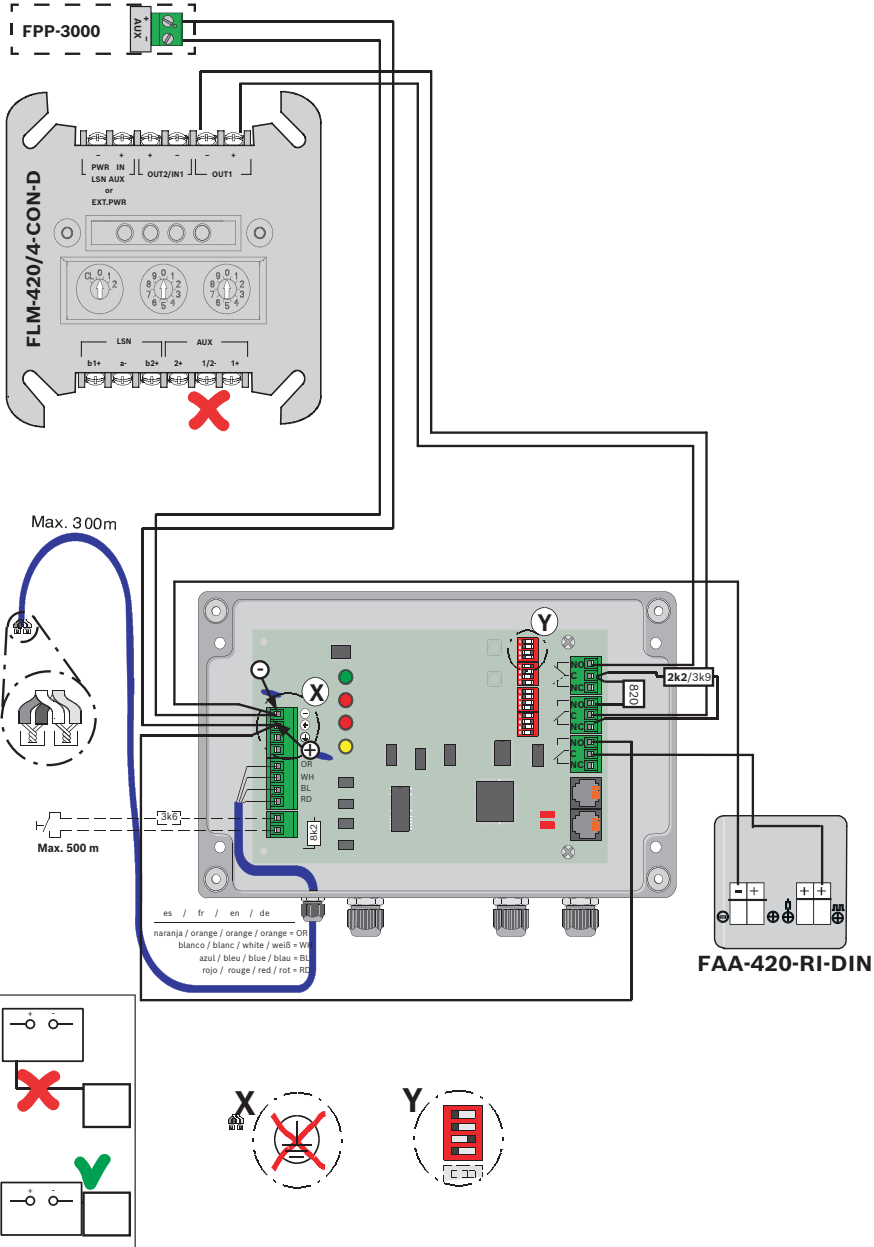


BCM-0000-B  
LSN 0300 A  
LSN 1500 A



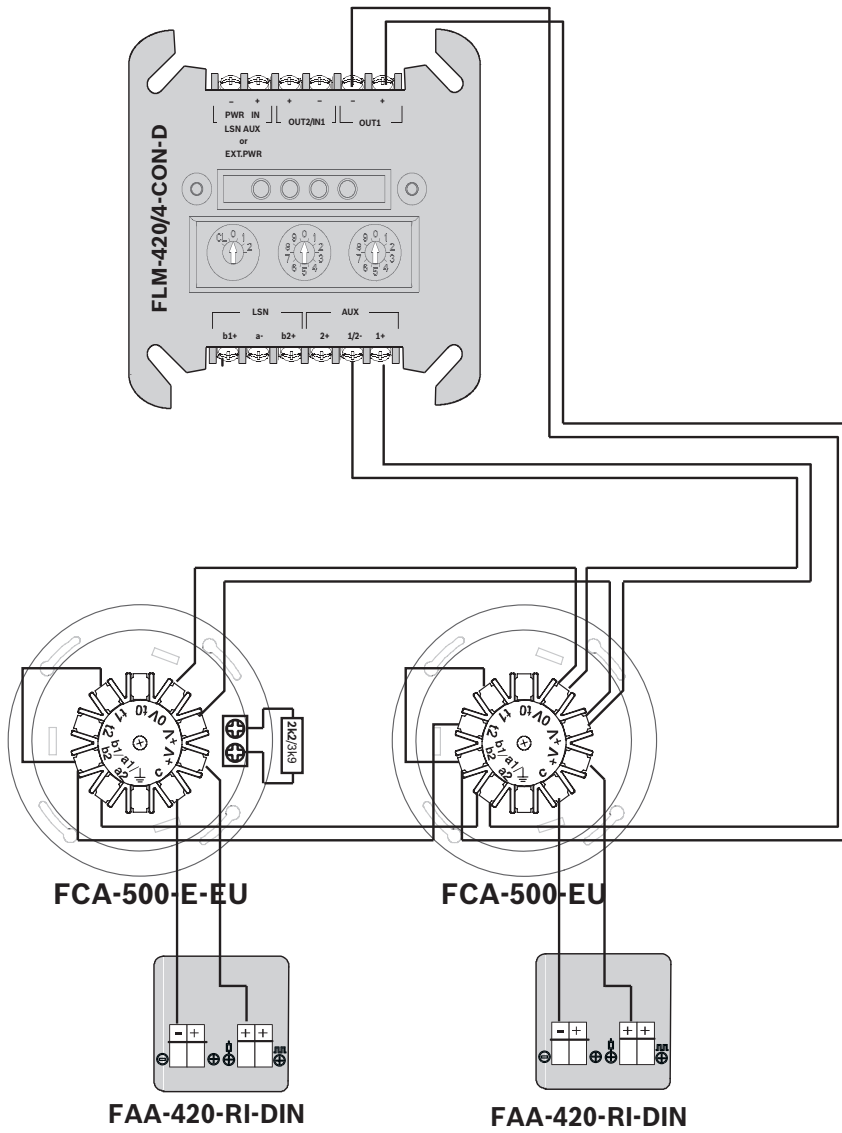


FCS-LWM-1





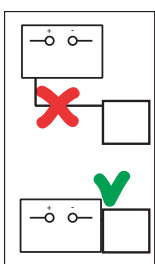
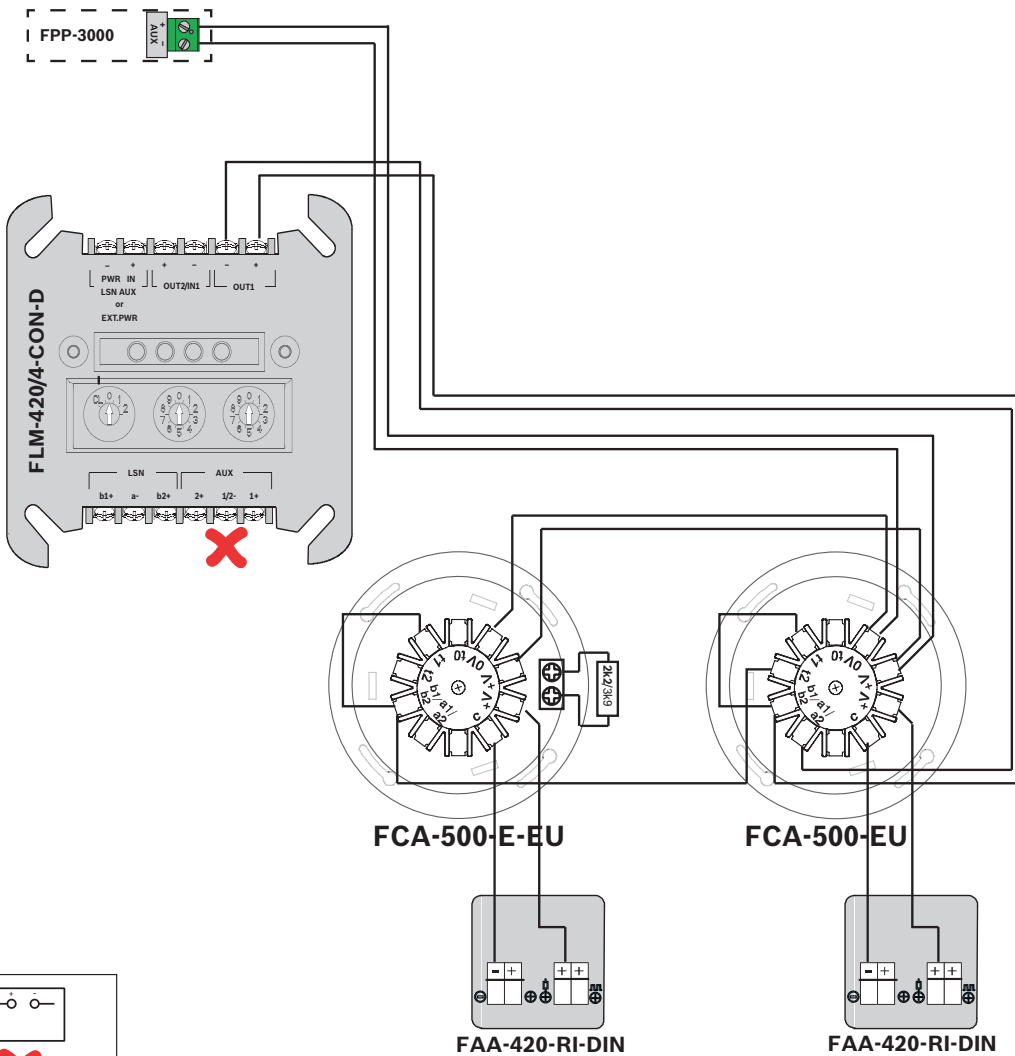
FCP-500

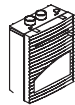






FCA-500-EU  
 FCP-O 500  
 FCP-O 500-P  
 FCP-OC 500  
 FCP-OC 500-P

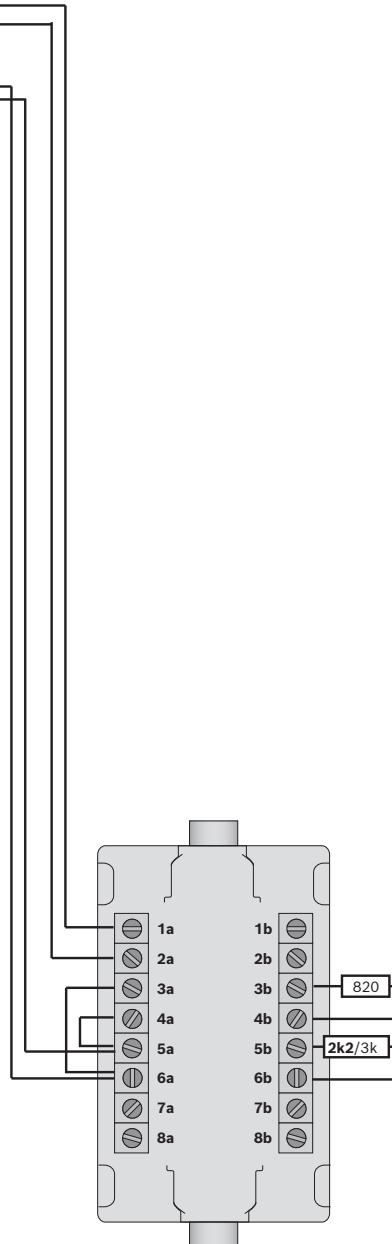
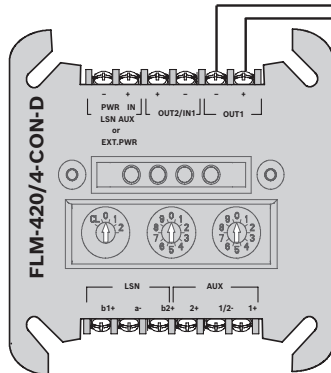


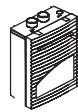


FCS-320-TM Series

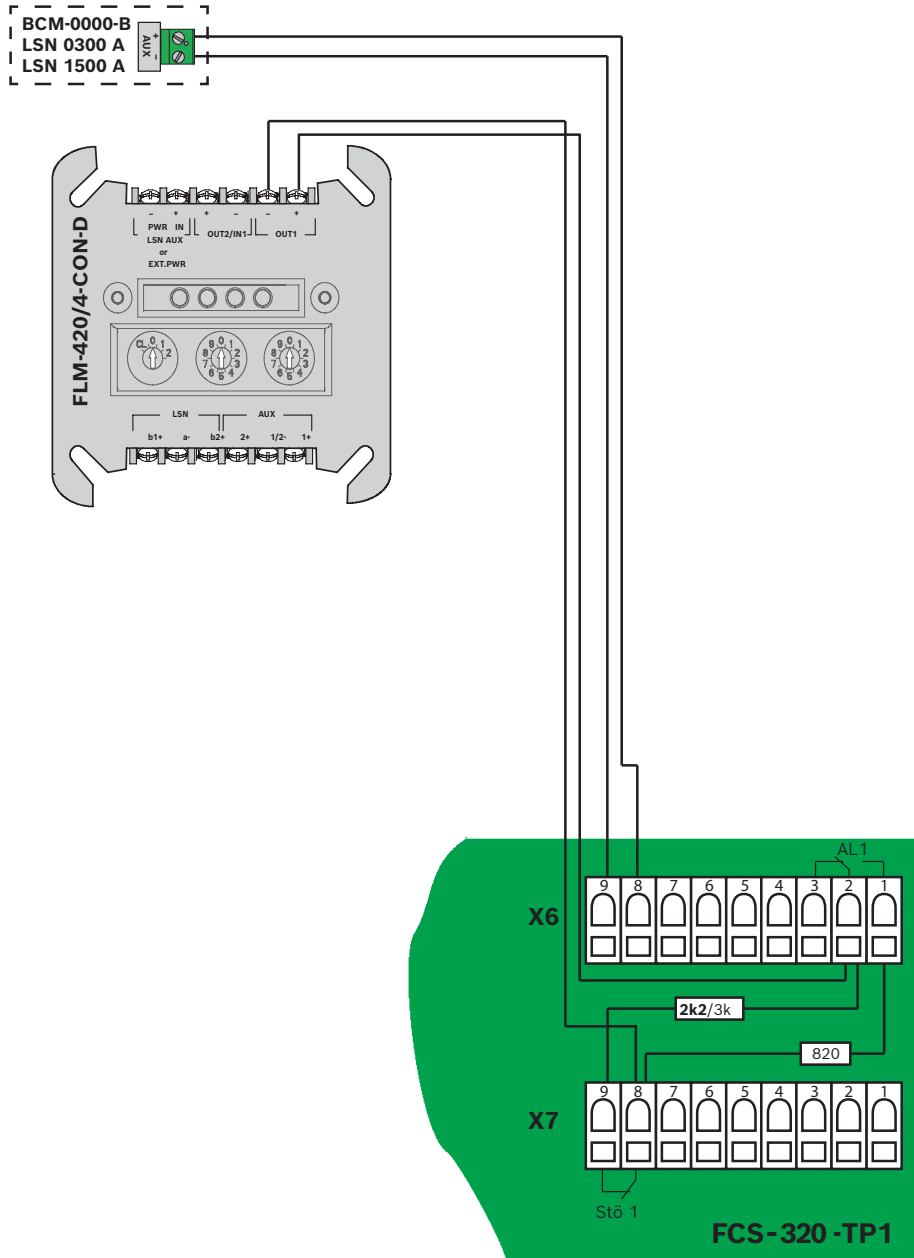
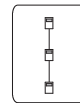


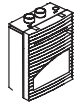
BCM-0000-B  
LSN 0300 A  
LSN 1500 A



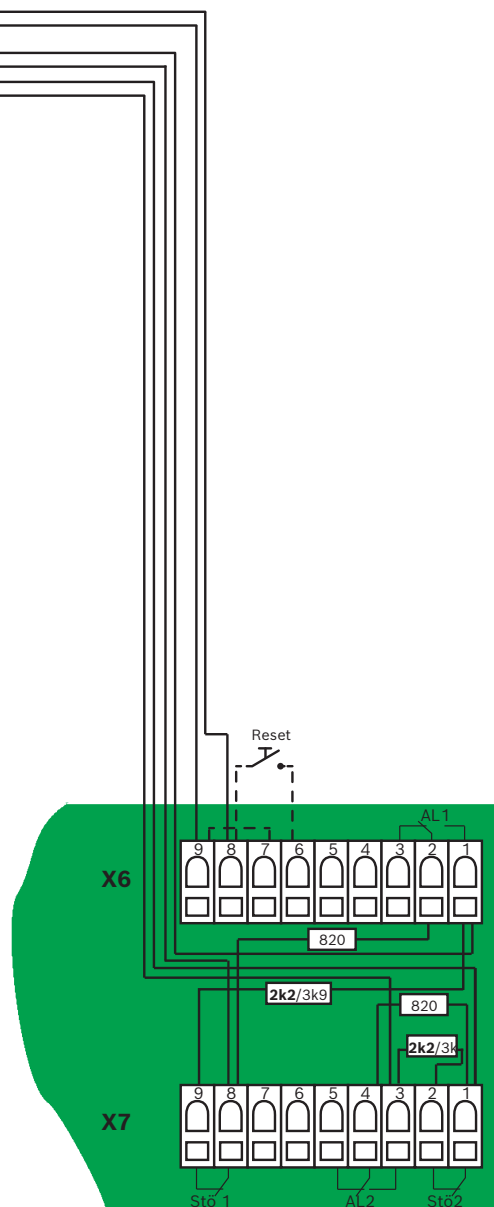
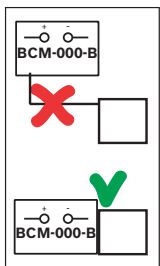
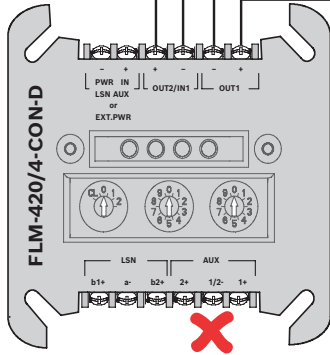
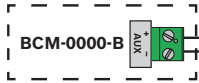


FCS-320-TP Series

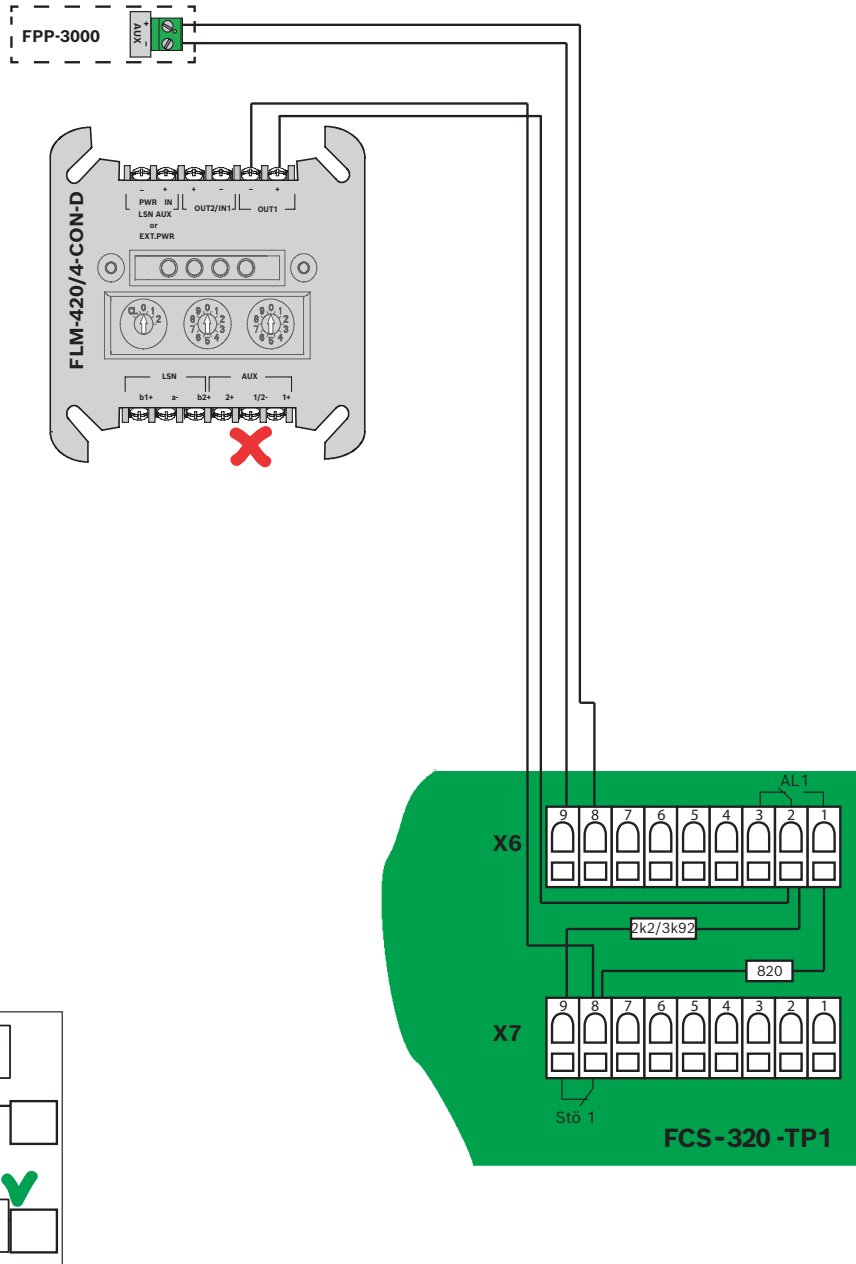
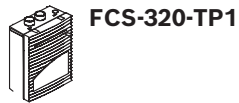


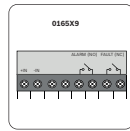


FCS-320-TP Series

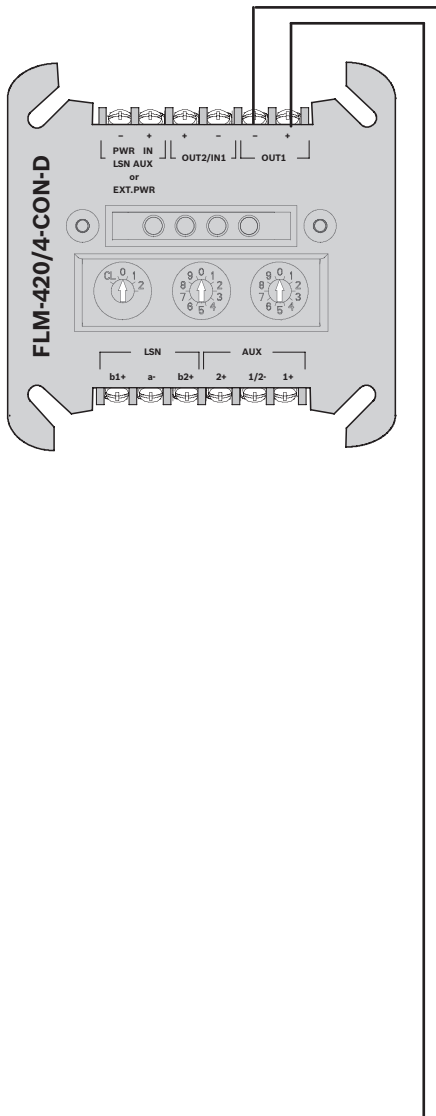
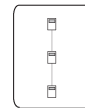


FCS-320-TP2

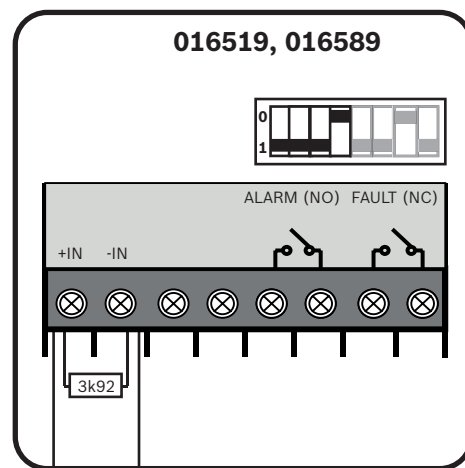


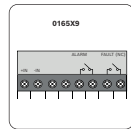


**016519, 016589  
IR3 Flame Detector**

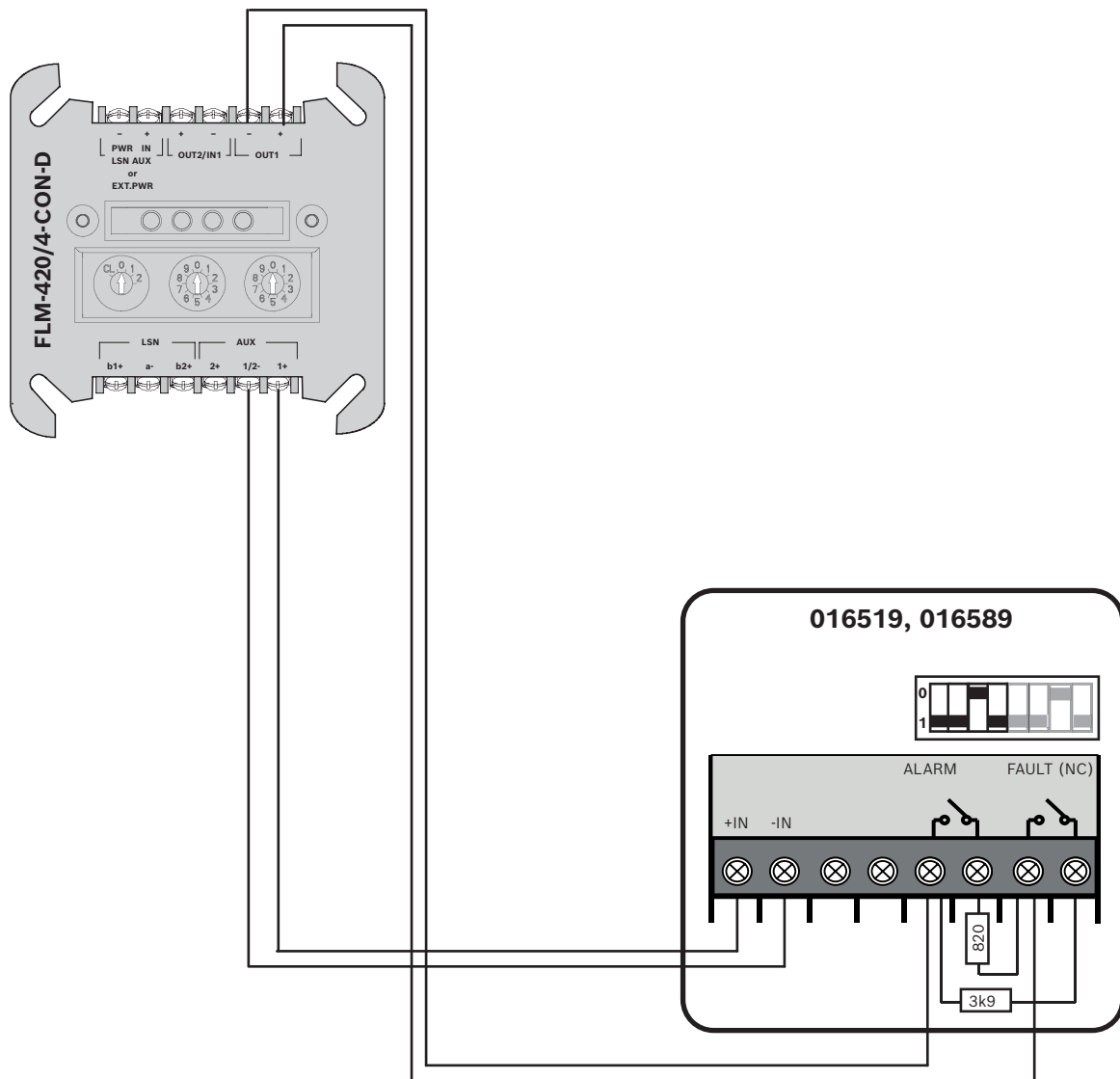
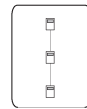


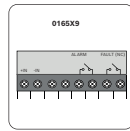
**max. 1 x 0165X9**



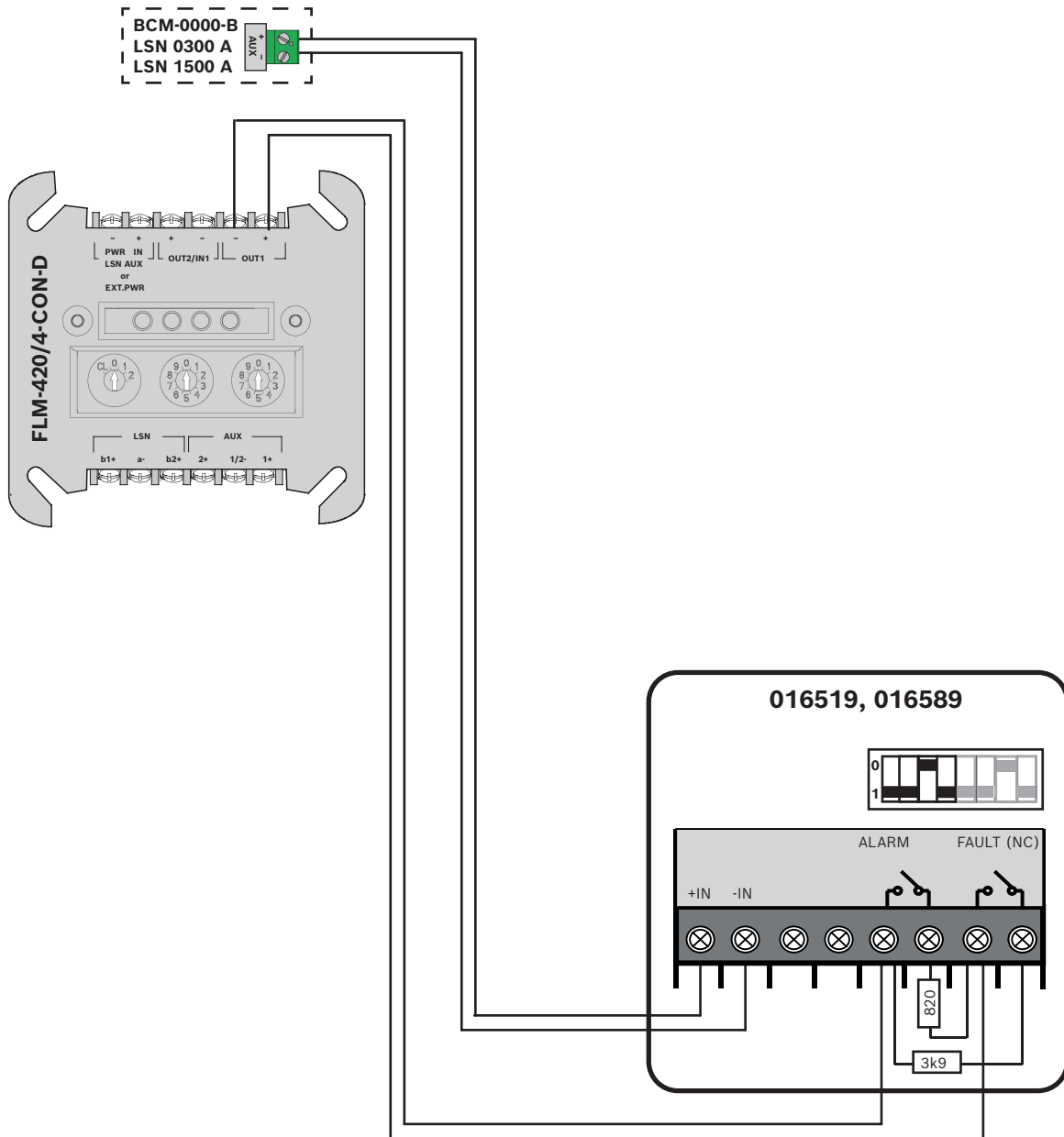
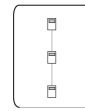


**016519, 016589  
IR3 Flame Detector**

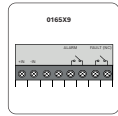
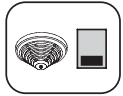




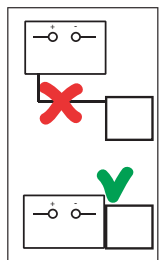
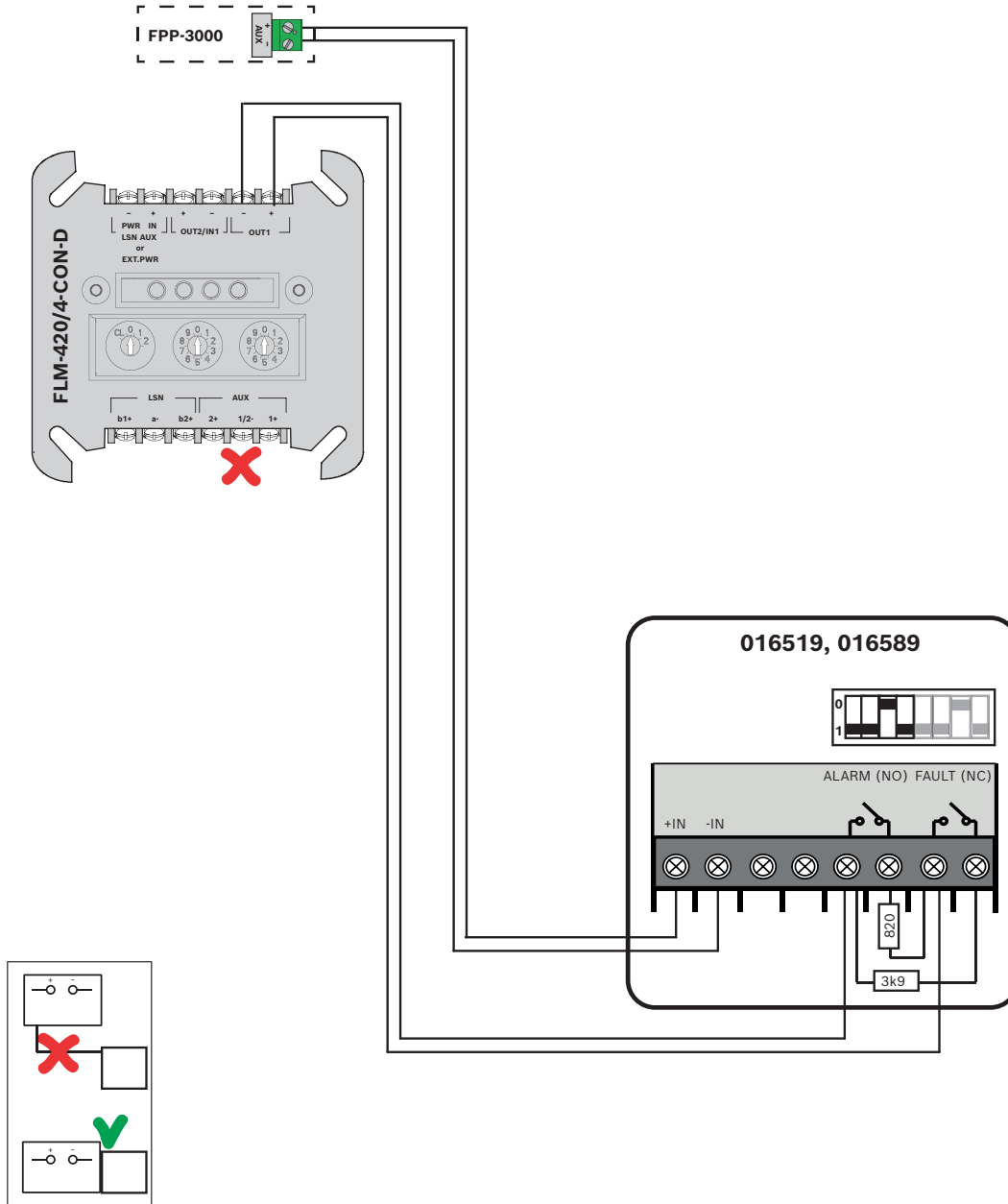
**016519, 016589  
IR3 Flame Detector**





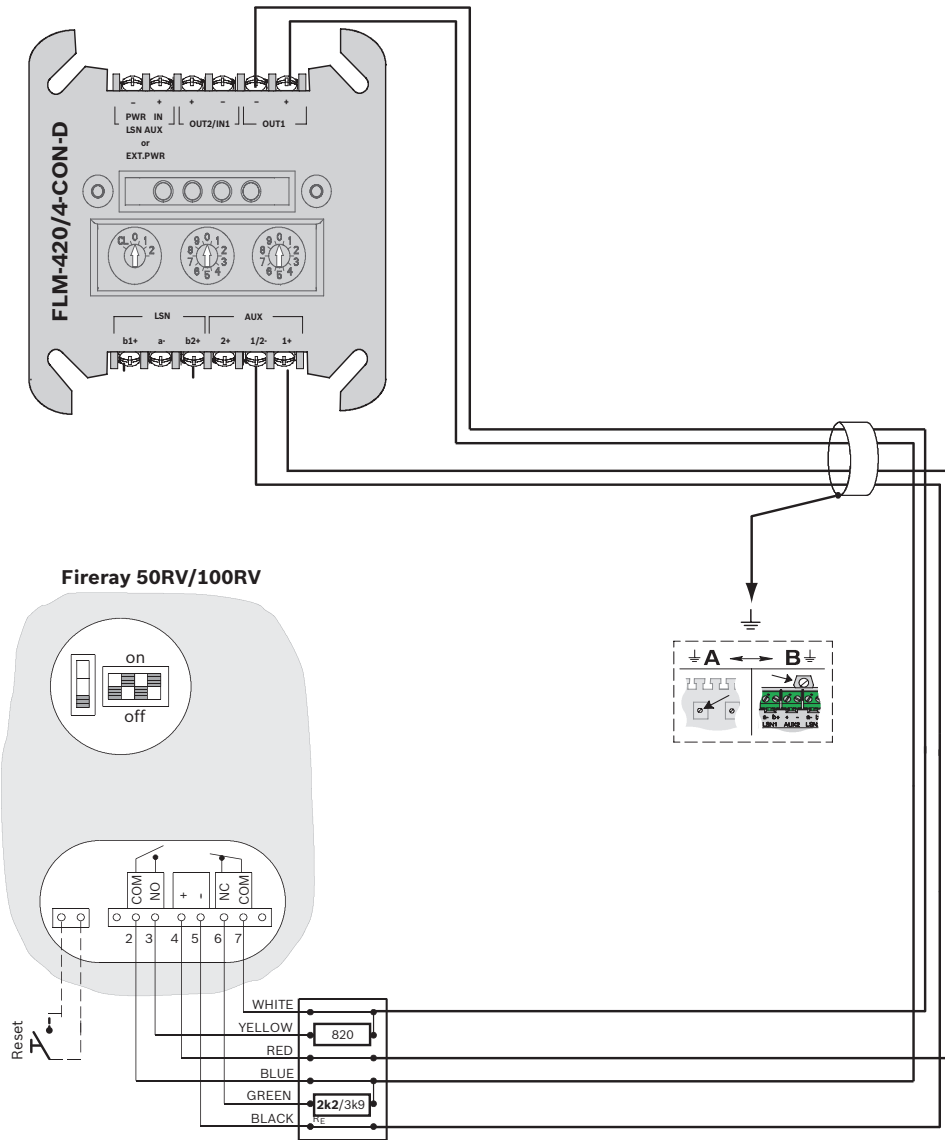


**016519, 016589  
IR3 Flame Detector**





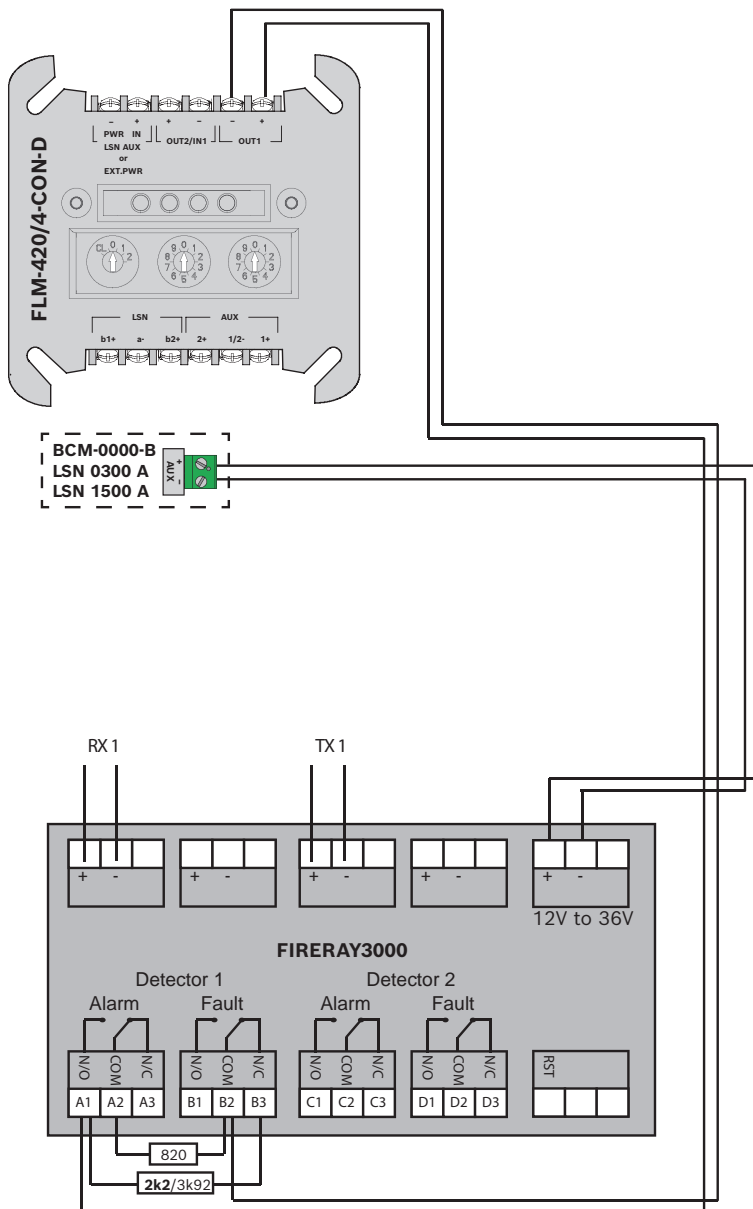
**Fireray 50RV**  
**Fireray 100RV**





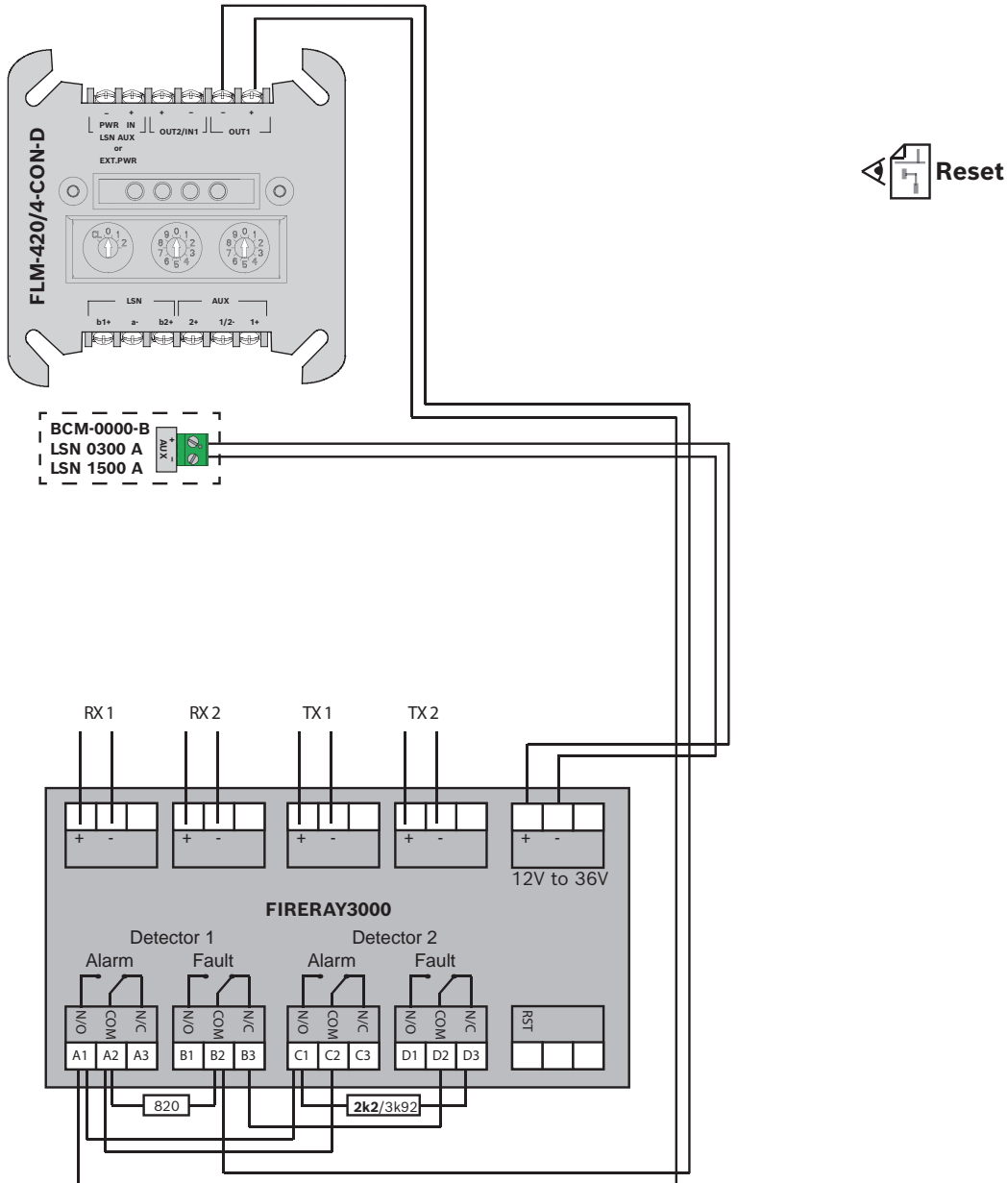
**FIRERAY3000**

1 x





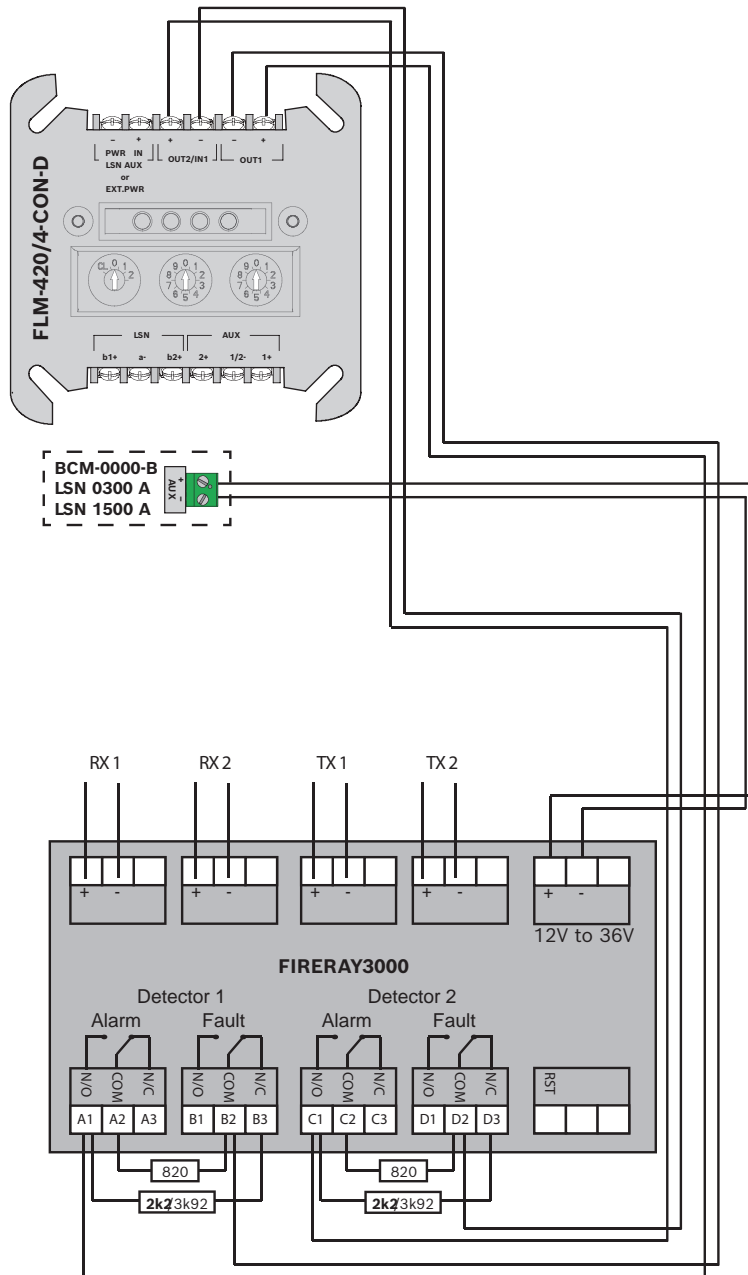
**FIRERAY3000**  
2 x **OUT1**





**FIRERAY3000**

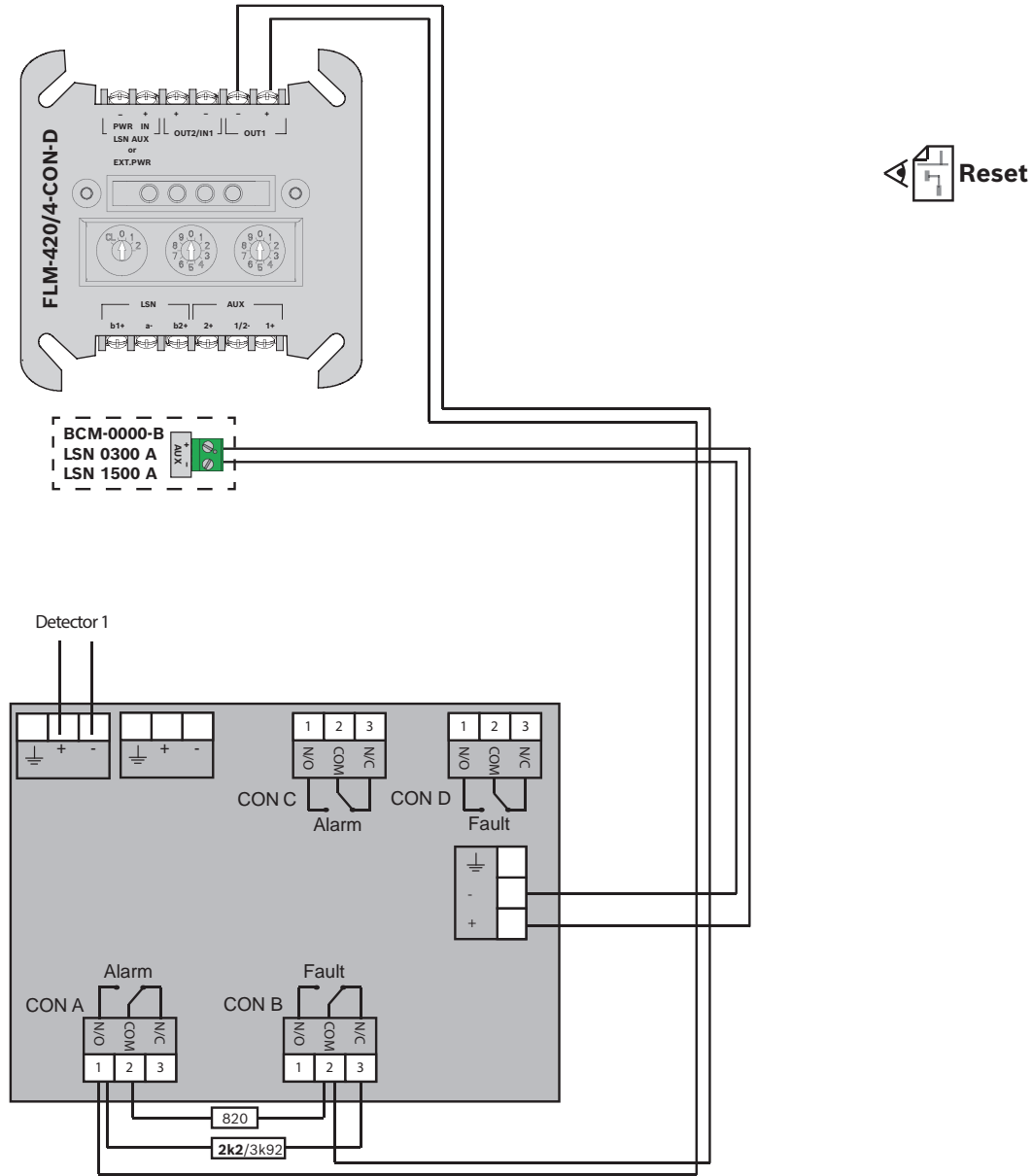
2 x  **OUT1+2**





**FIRERAY5000**

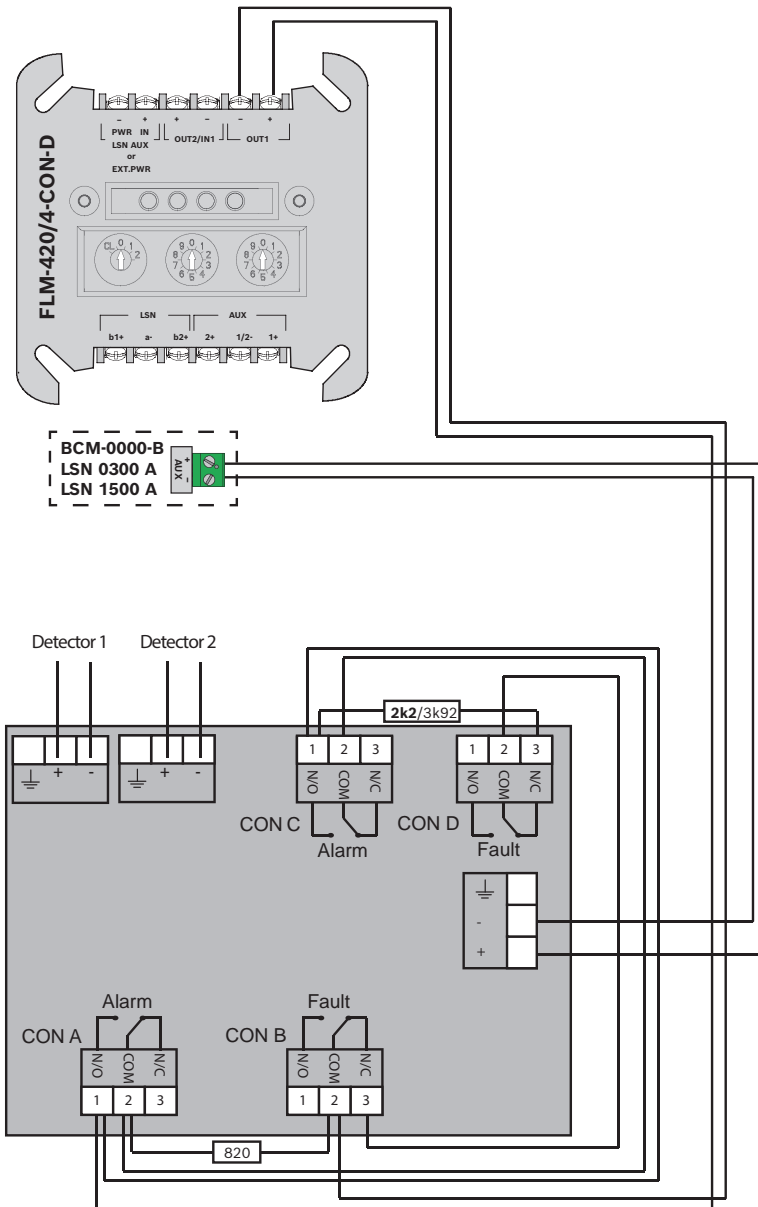
1 x

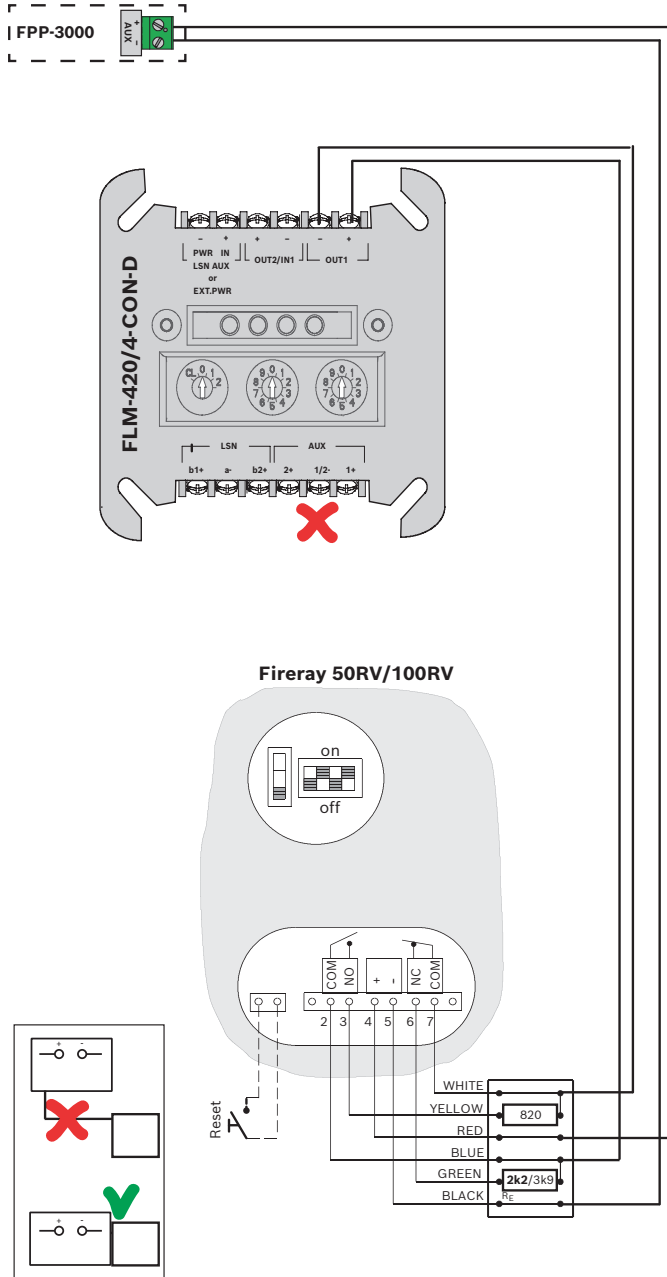




**FIRERAY5000**

**2 x OUT1**



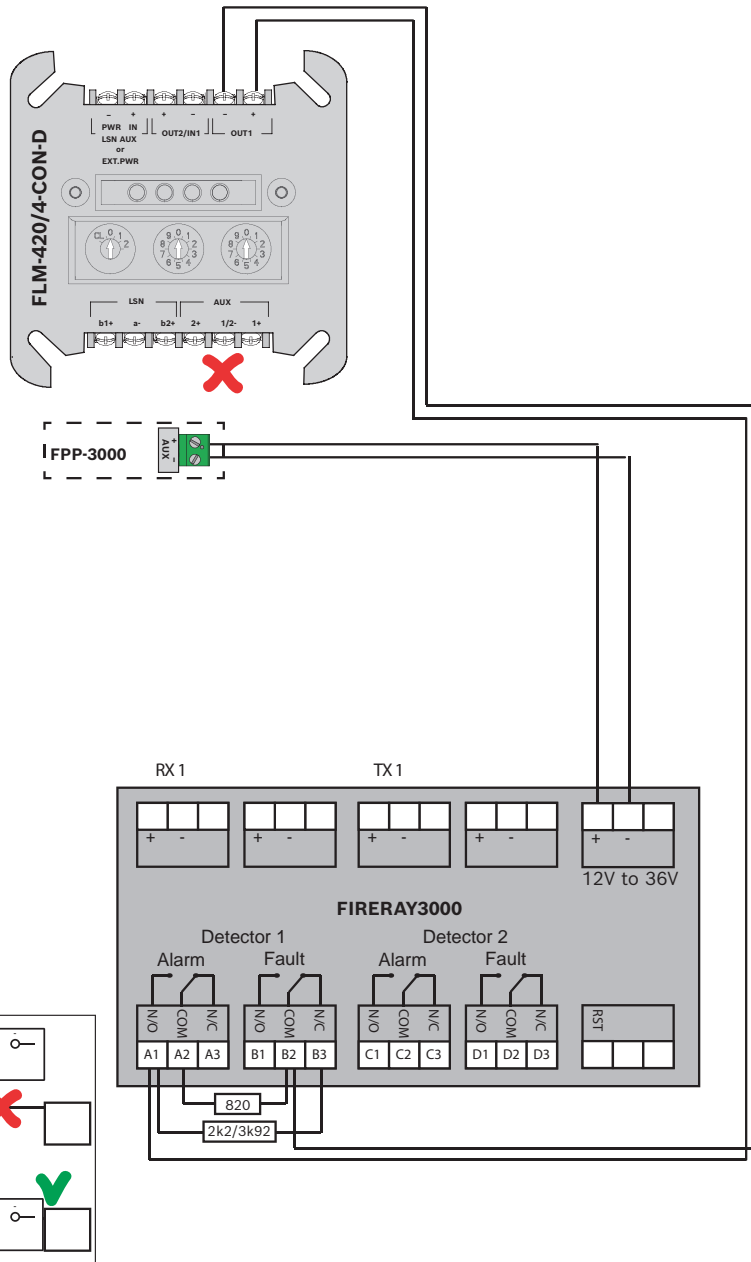




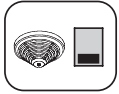


**FIRERAY3000**

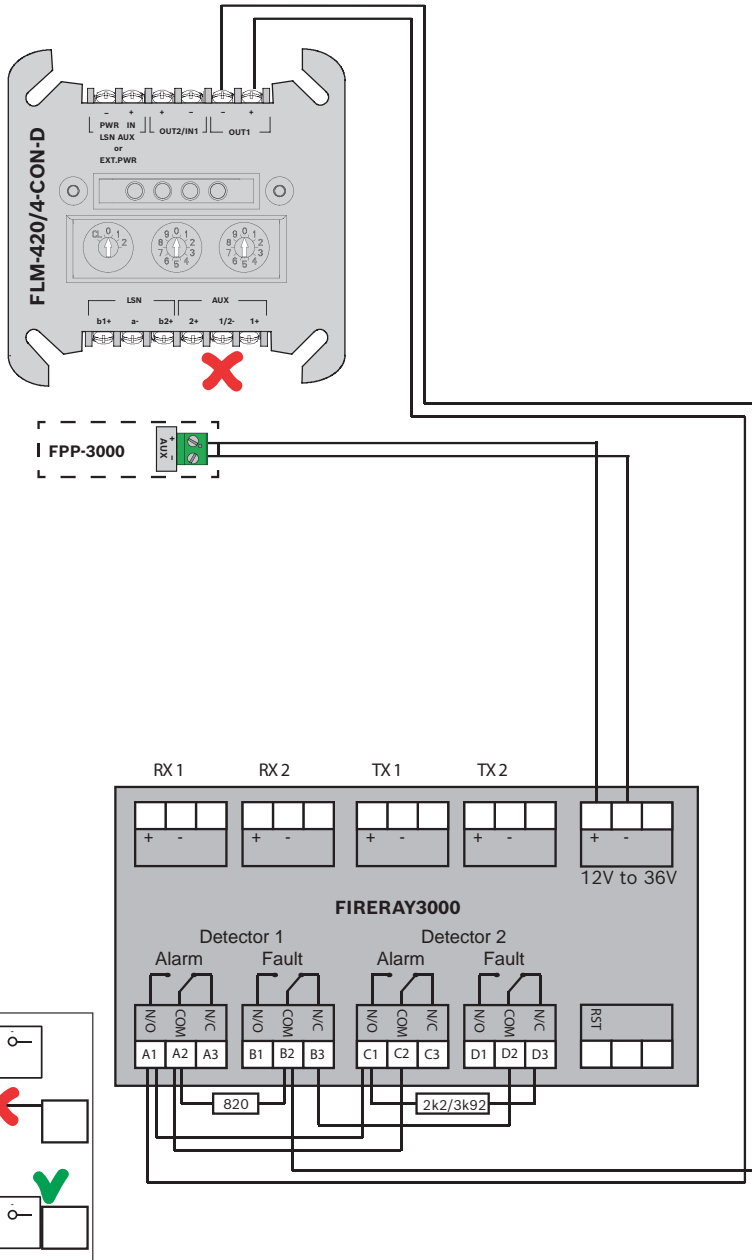
1 x



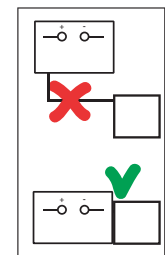
**Reset action**

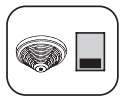


**FIRERAY3000**  
2 x **OUT1**



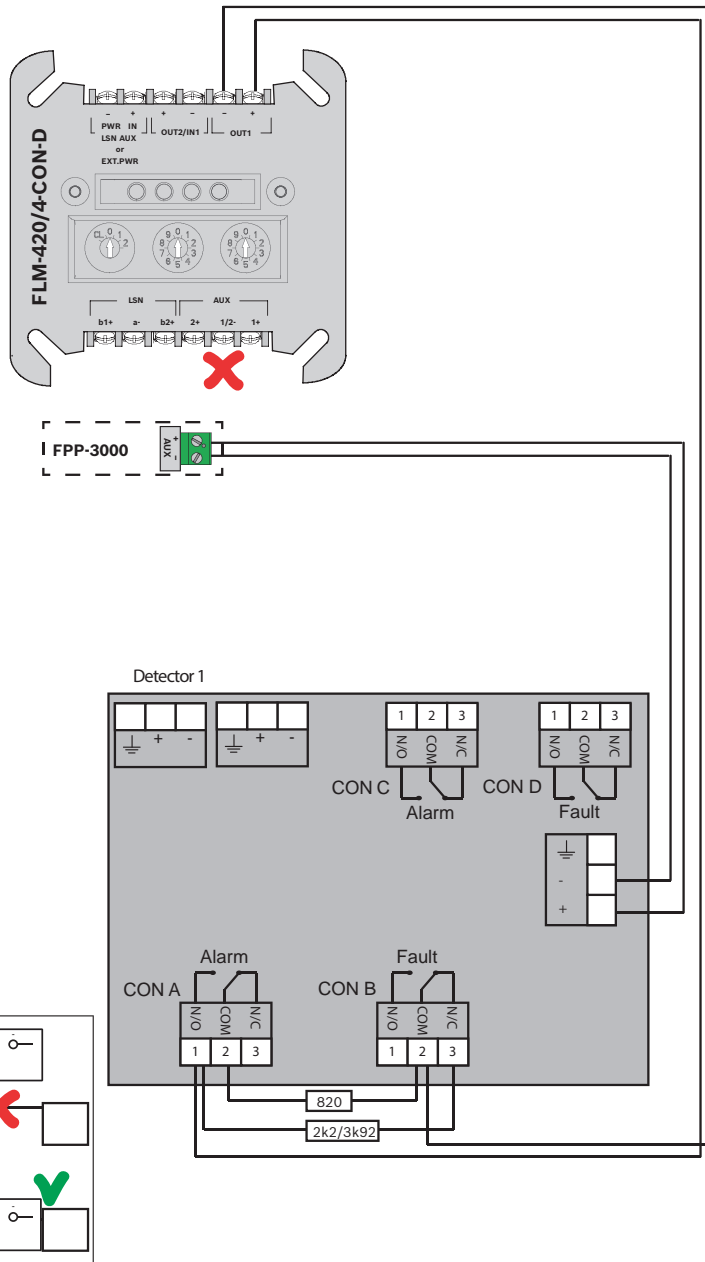
**Reset action**





**FIRERAY5000**

1 x

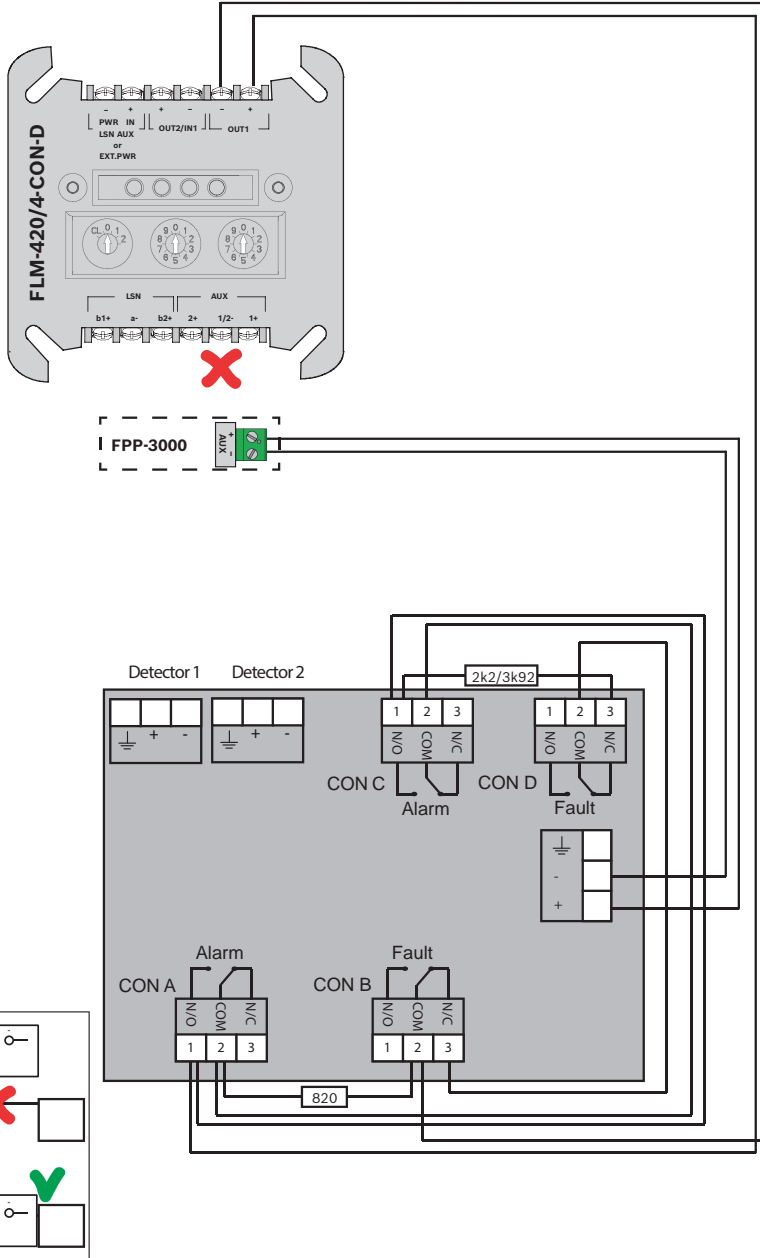


Reset action

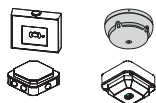


**FIRERAY5000**

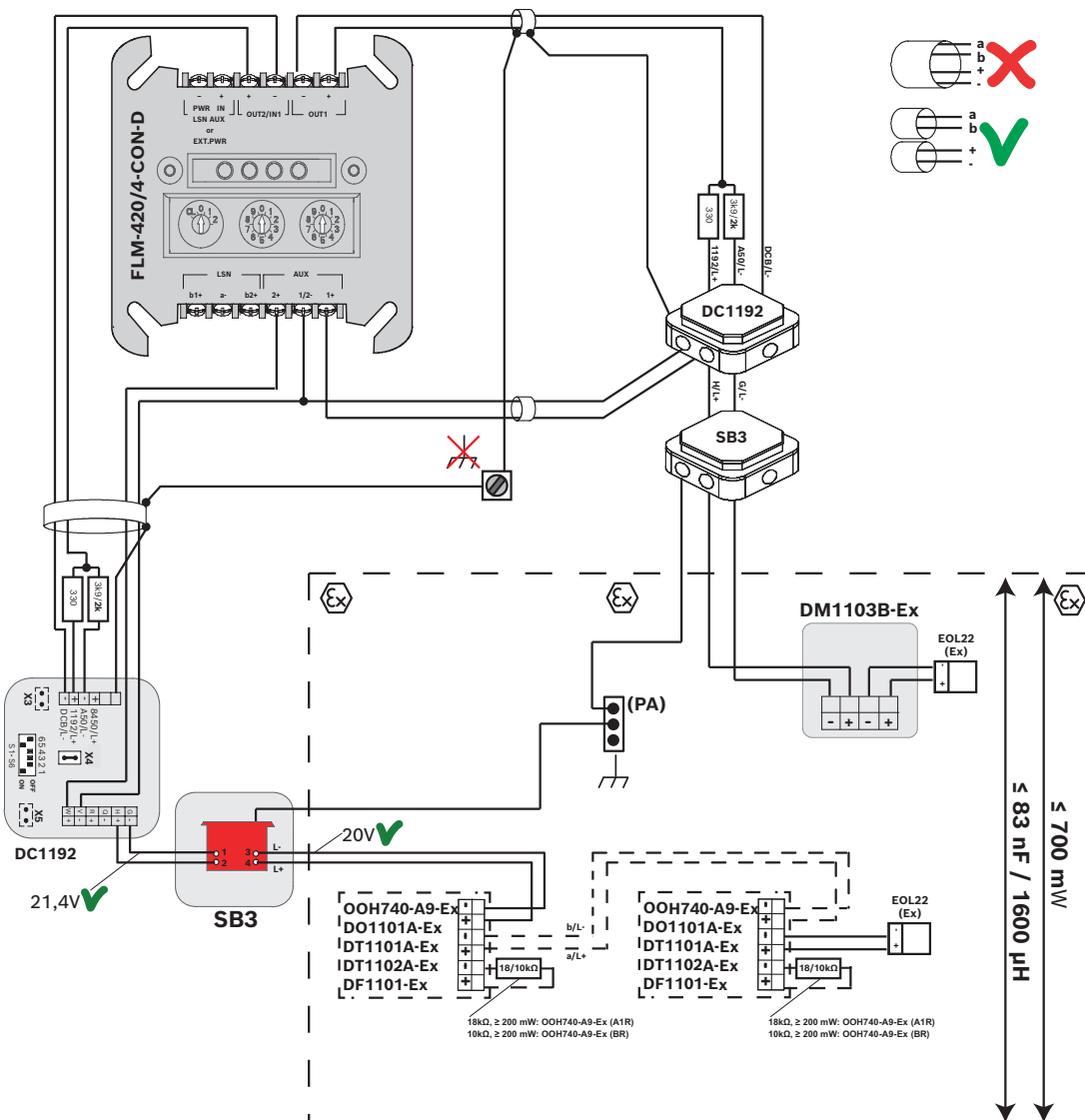
**2 x OUT1**



**Reset action**

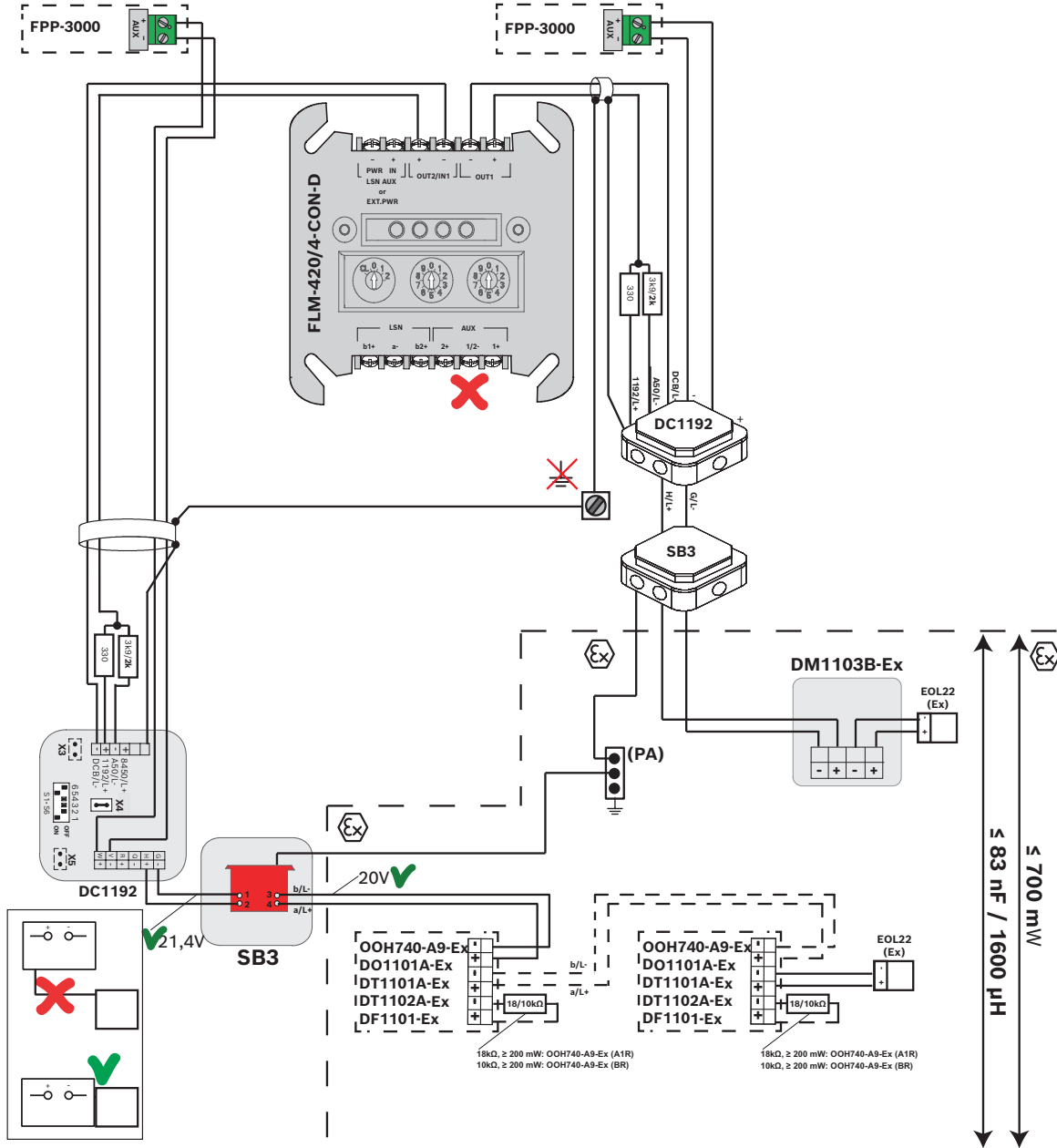


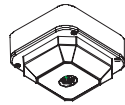
DC1192, SB3  
OOH740-A9-Ex  
DO1101A-Ex  
DT1101A-Ex-  
/DT1102A-Ex  
DF1101-Ex



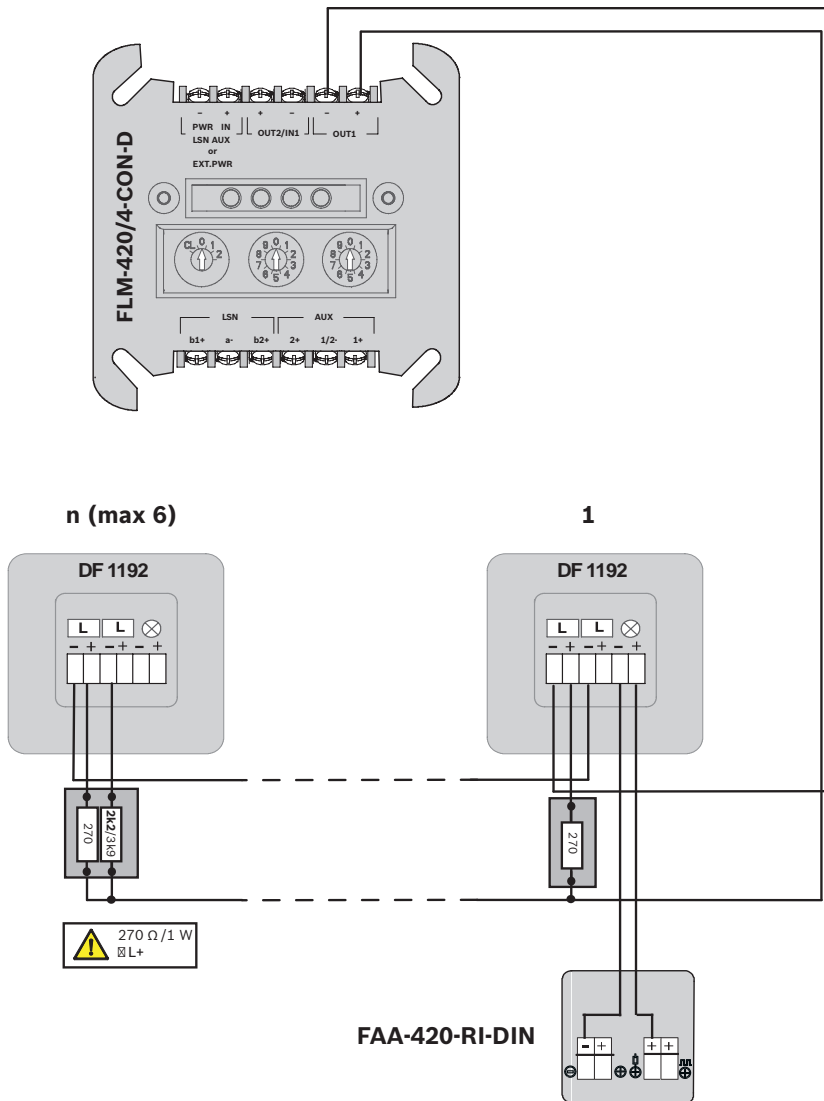


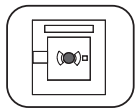
DC1192, SB3  
 OOH740-A9-Ex  
 DO1101A-Ex  
 DT1101A-Ex/DT1102A-Ex  
 DF1101-Ex  
 DM1103B-Ex



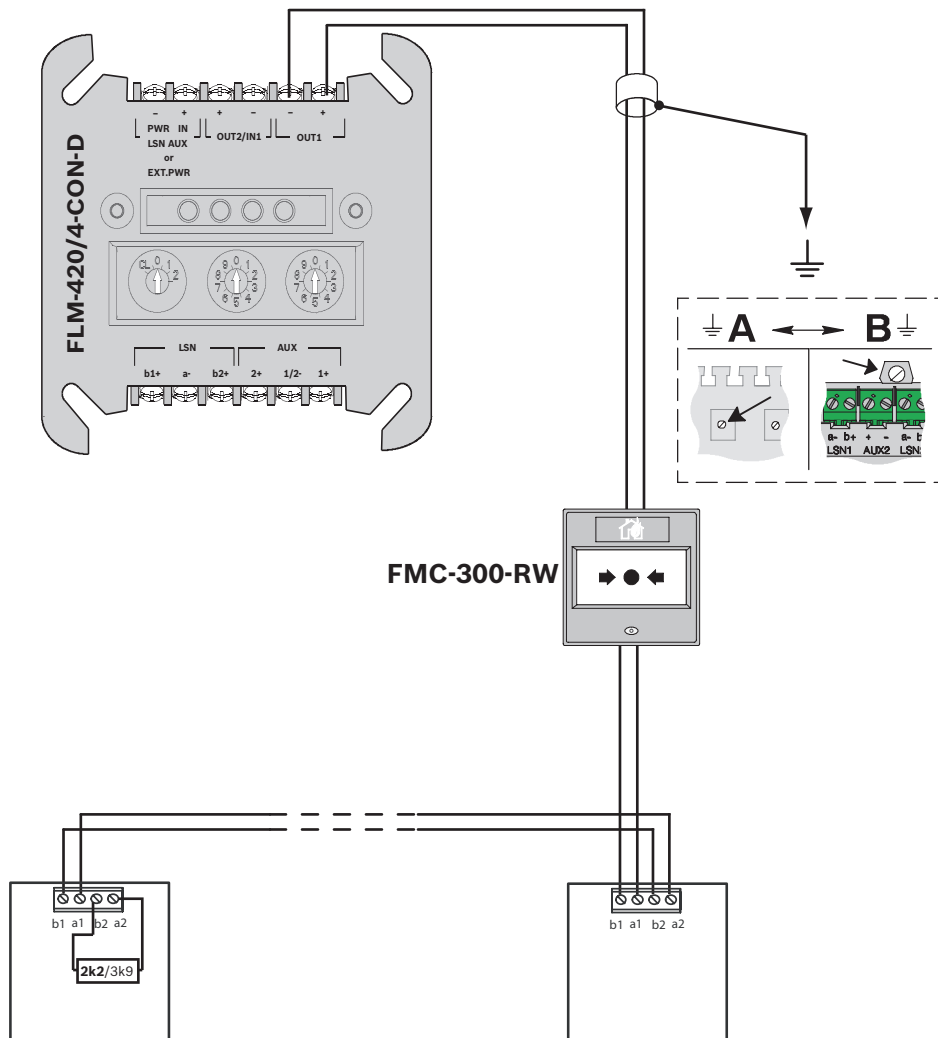
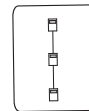


DF 1192





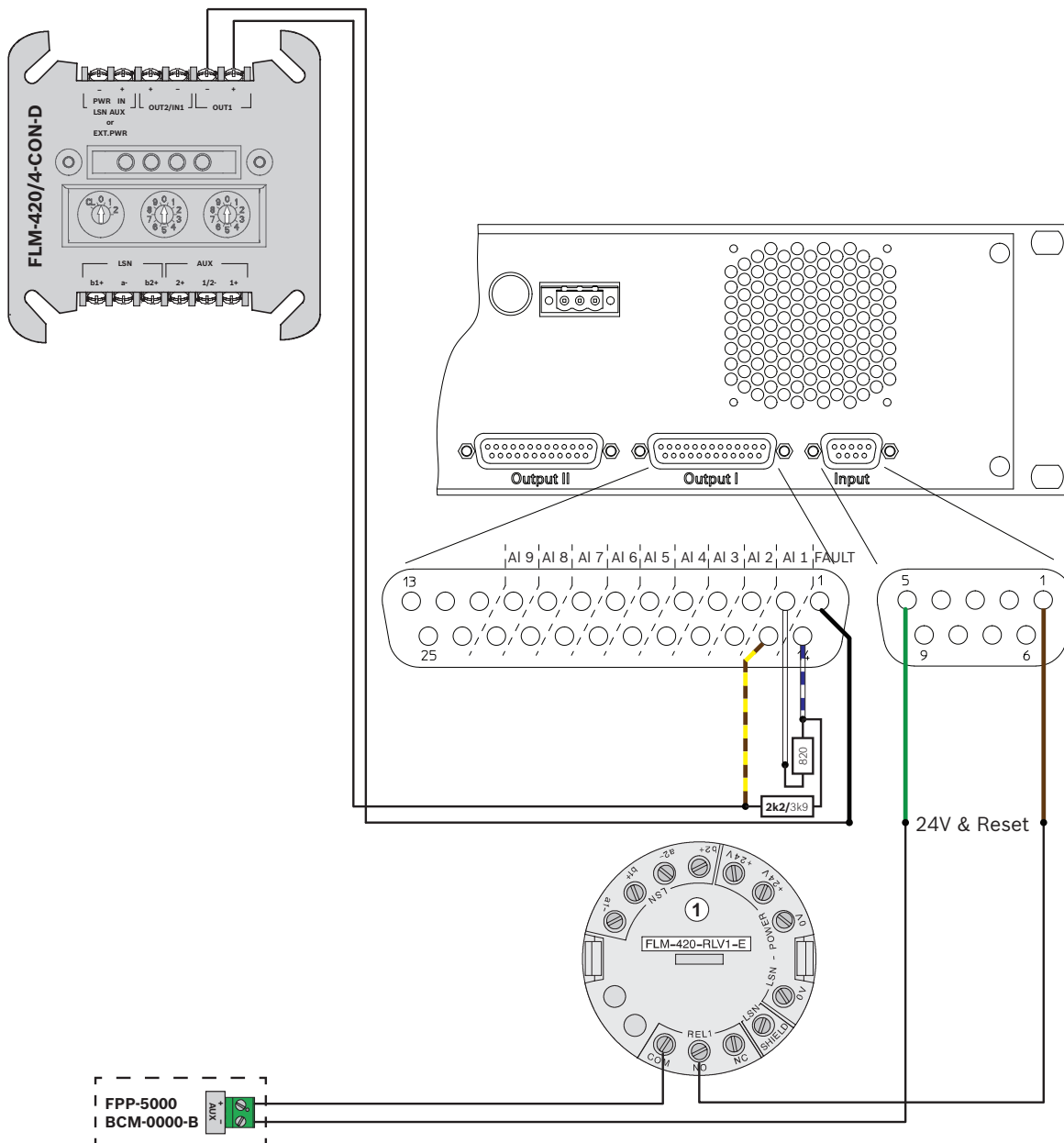
**FMC-300-RW**

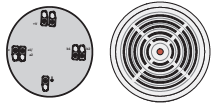




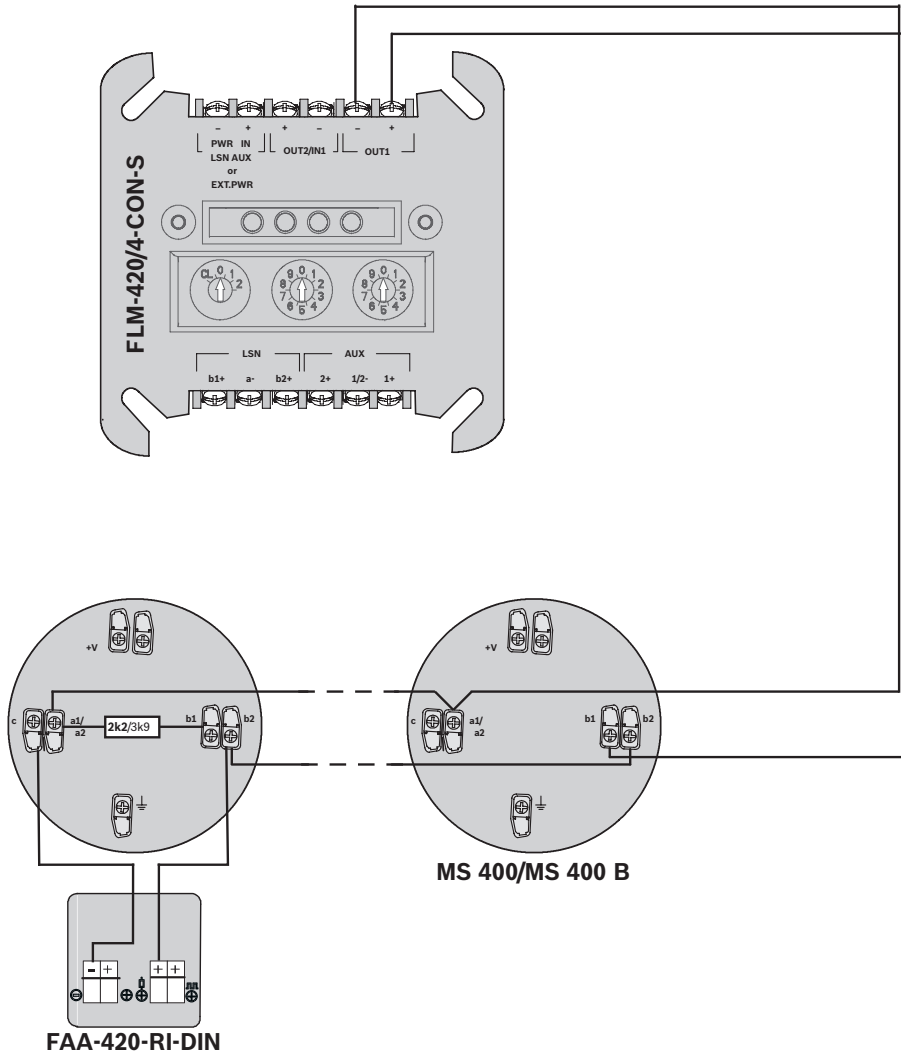


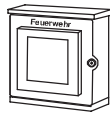
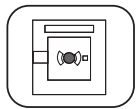
N4387A



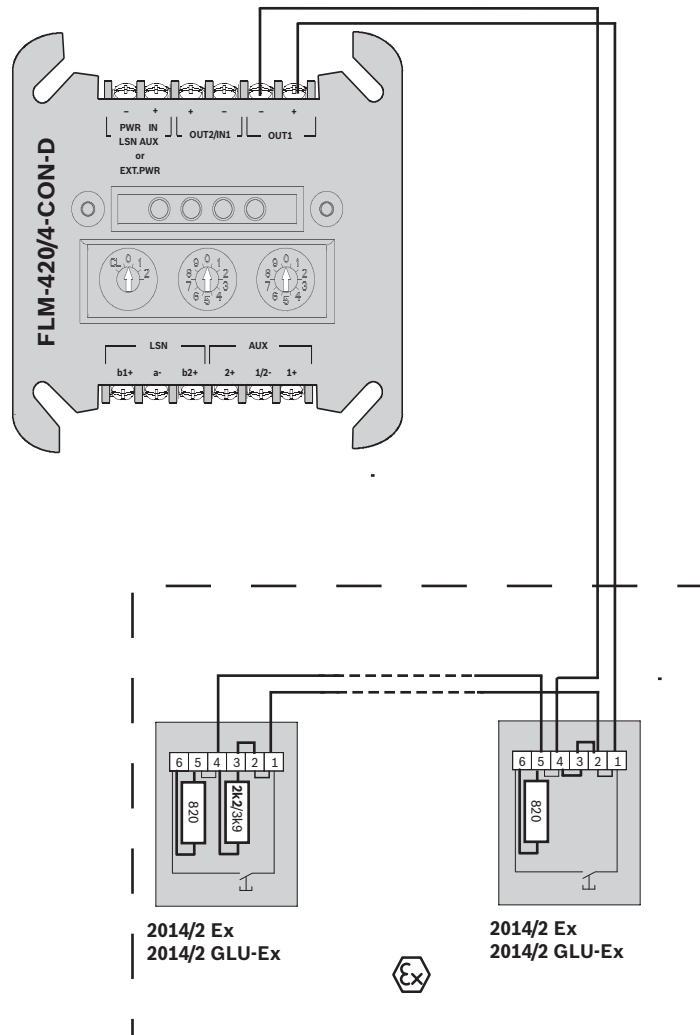
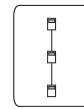


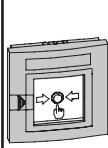
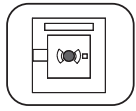
MSS 400, MSS 400 B  
 FCH-320-T320  
 FCH-T320-R470, FCH-T320-FSA  
 FCP-O320, FCP-O320-R470  
 FCP-OC320, FCP-OC320-R470  
 FCP-OT320, FCP-OT320-R470



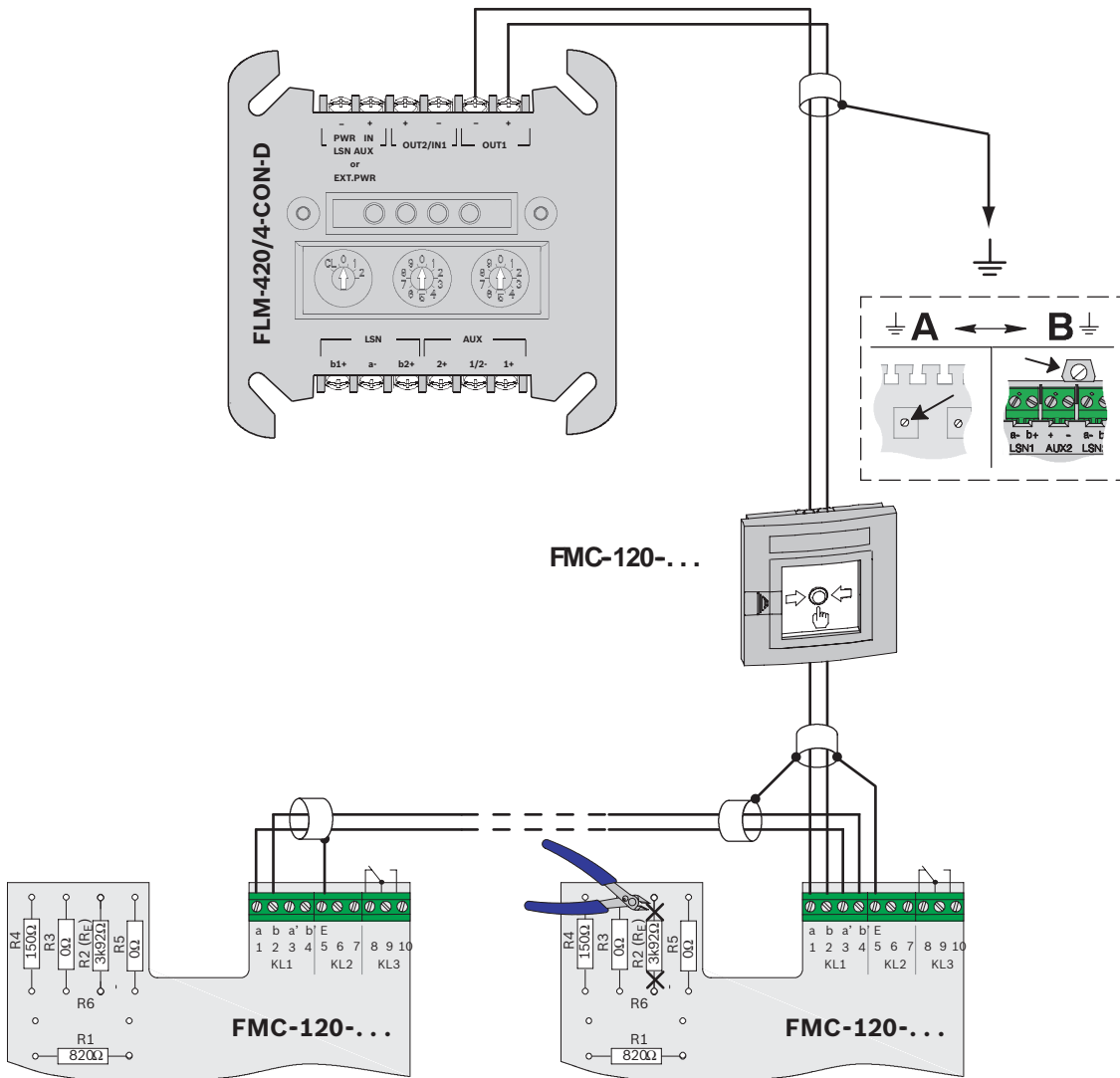
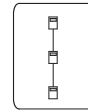


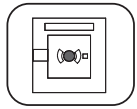
**2014/2 Ex**  
**2014/2 GLU-Ex**



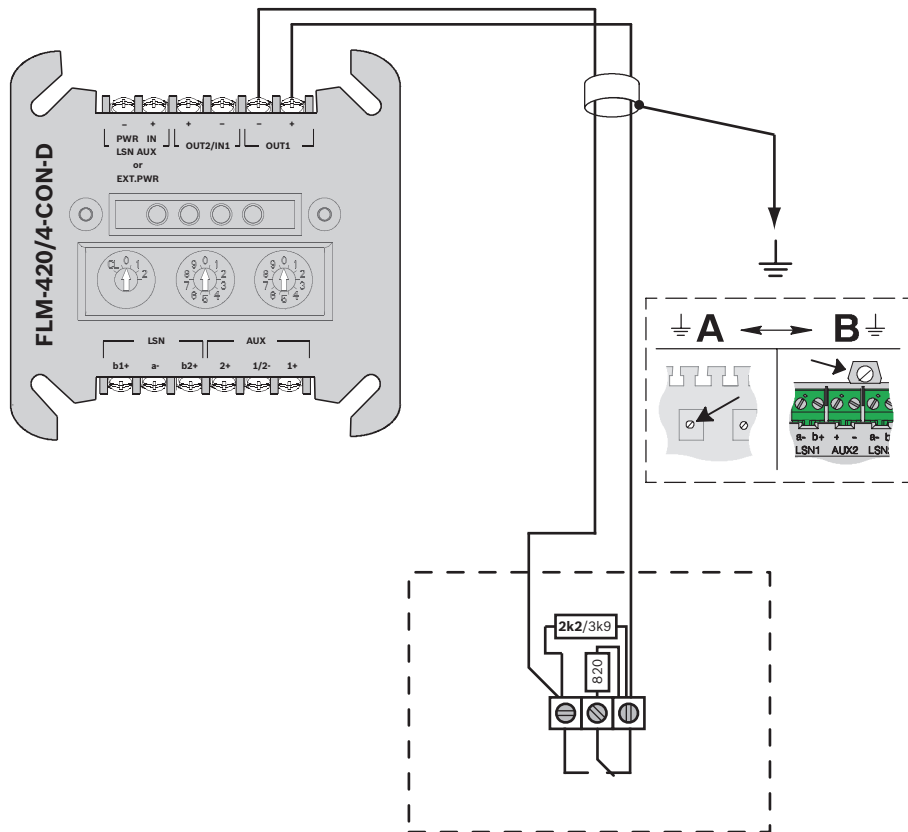
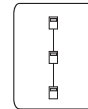


**FMC-120-DKM-G-R FMC-120-DKM-G-Y**  
**FMC-120-DKM-H-R FMC-120-EST-G-B**  
**FMC-120-DKM-G-B**  
**FMC-120-DKM-H-B**



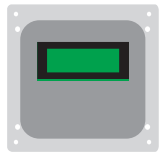


NO



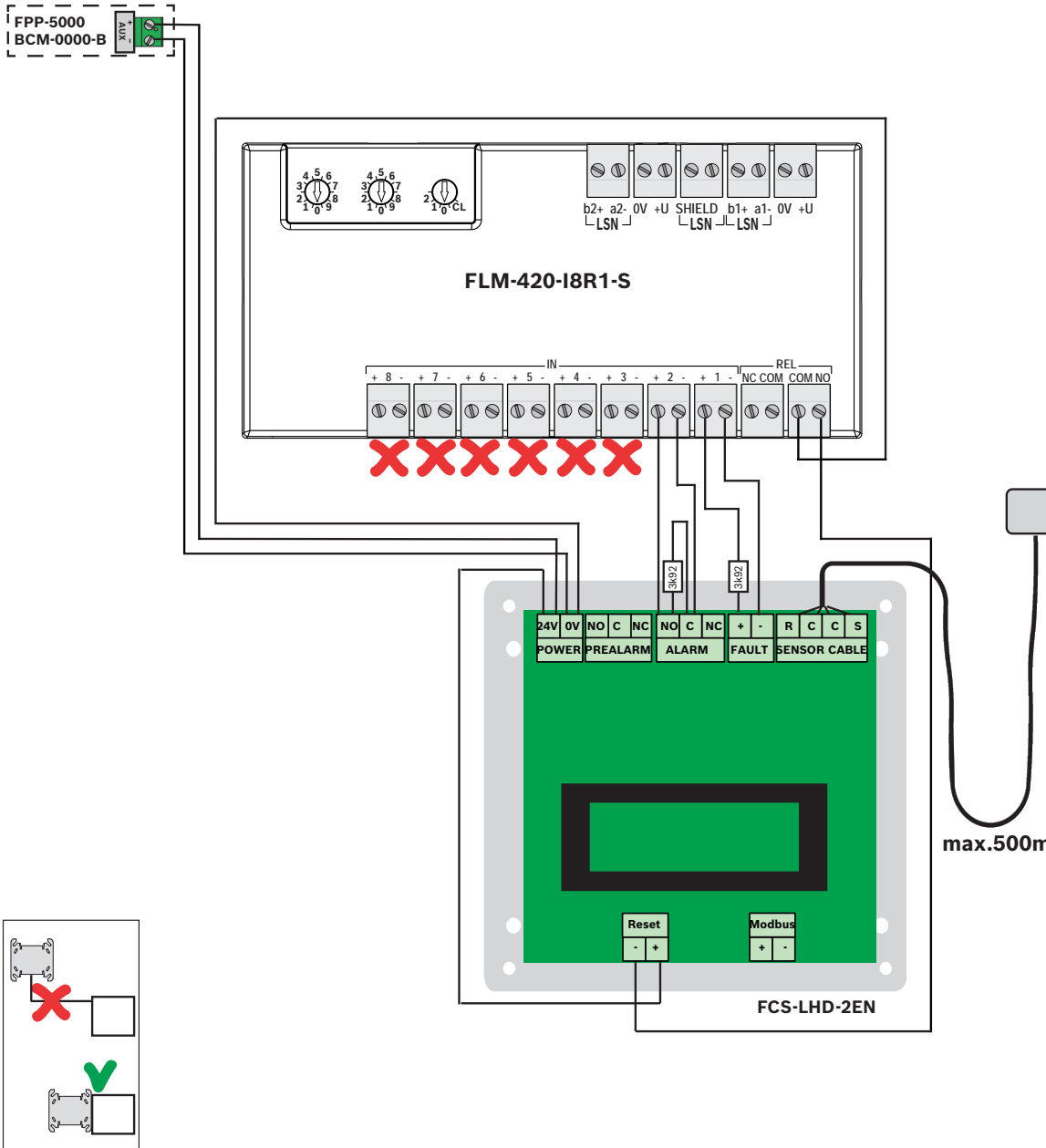
2.5.2

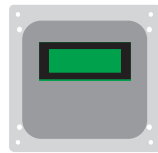
FLM-420-I8R1-S



ProReact EN Analogue

FCS-LHD-2EN





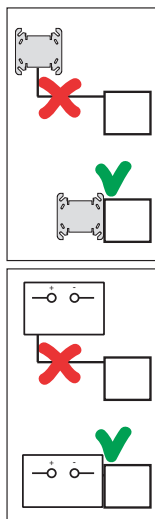
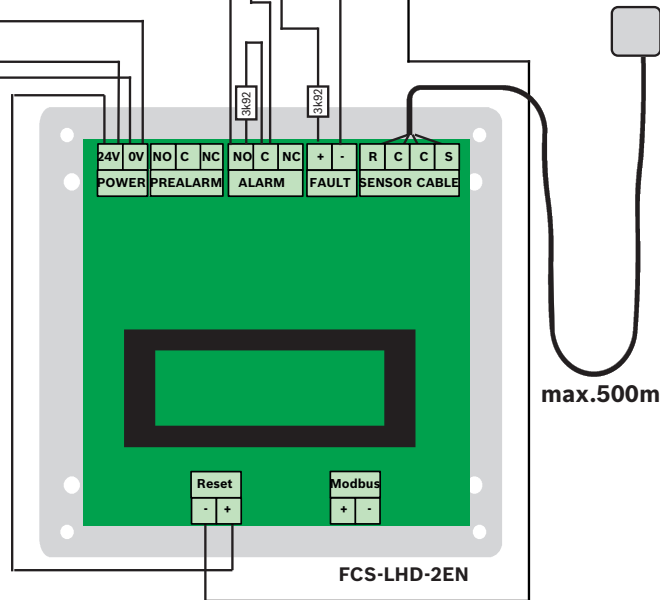
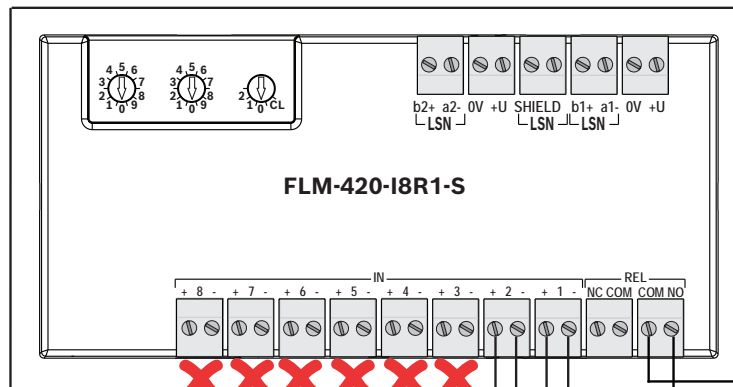
ProReact EN Analogue

FCS-LHD-2EN

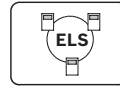


ELS

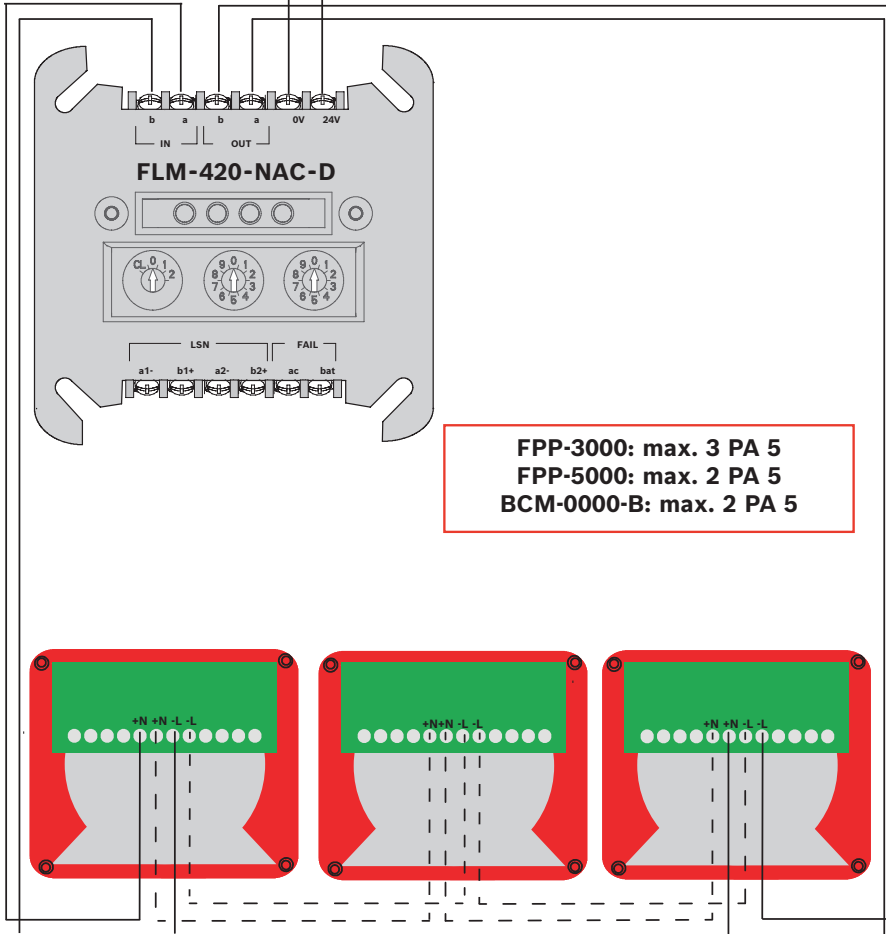
FPP-3000(ZSP135-DR)  
FPP-5000  
BCM-0000-B



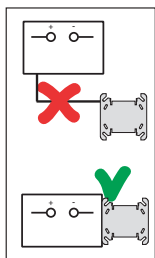
### 2.5.3 FLM-420-NAC-D/S



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



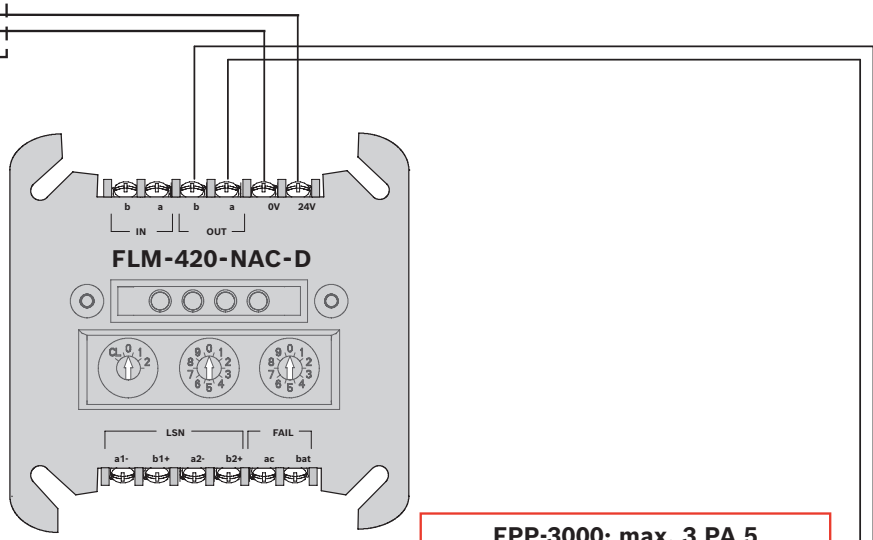
**FPP-3000: max. 3 PA 5**  
**FPP-5000: max. 2 PA 5**  
**BCM-0000-B: max. 2 PA 5**



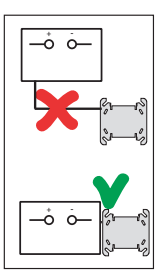
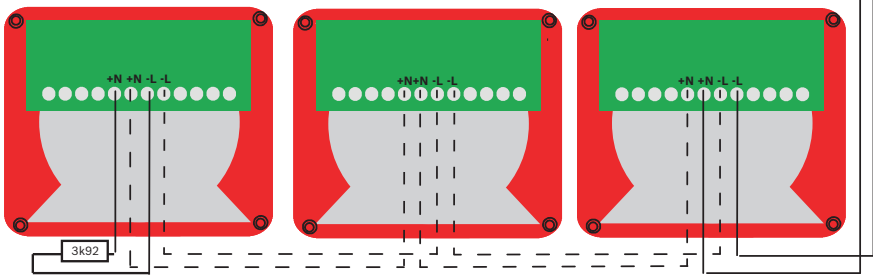


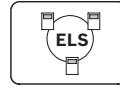


FPP-3000  
FPP-5000  
BCM-0000-B

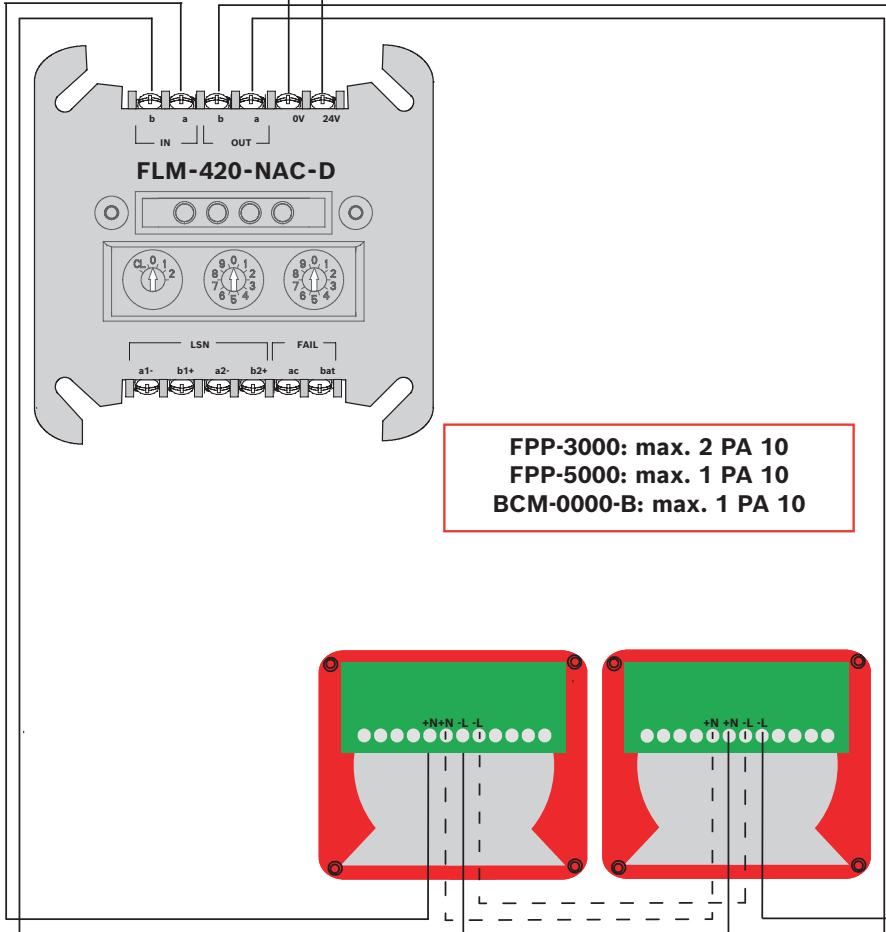


**FPP-3000: max. 3 PA 5**  
**FPP-5000: max. 2 PA 5**  
**BCM-0000-B: max. 2 PA 5**

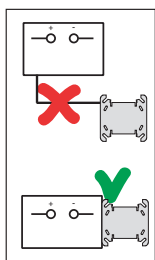




FPP-3000(ZSP135-DR)  
FPP-5000  
BCM-0000-B

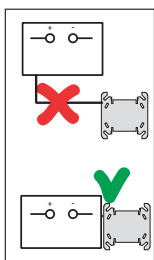
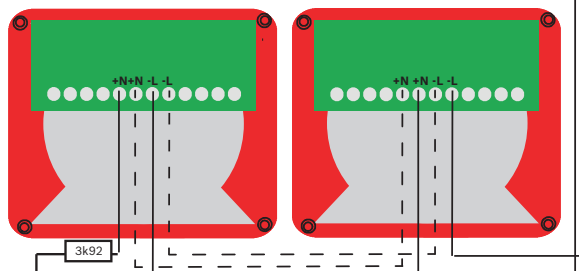
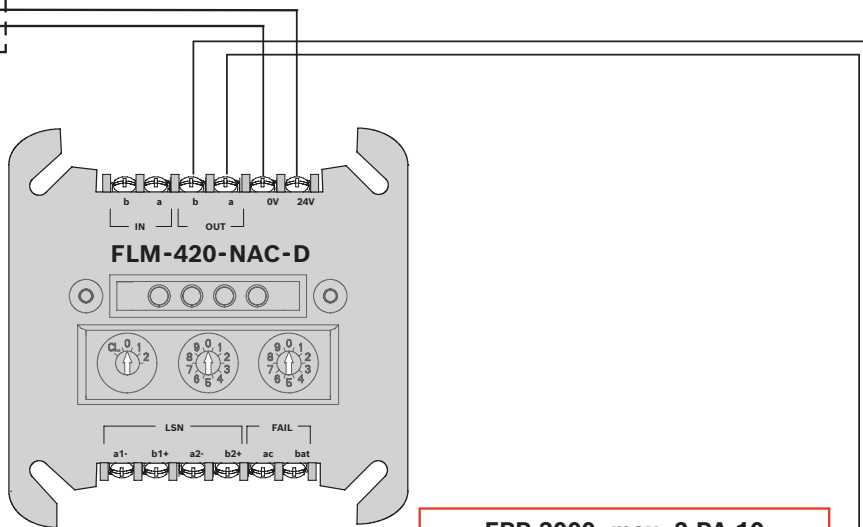


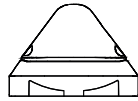
**FPP-3000: max. 2 PA 10**  
**FPP-5000: max. 1 PA 10**  
**BCM-0000-B: max. 1 PA 10**



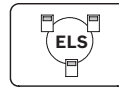


FPP-3000  
FPP-5000  
BCM-0000-B

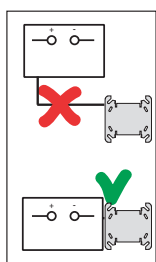
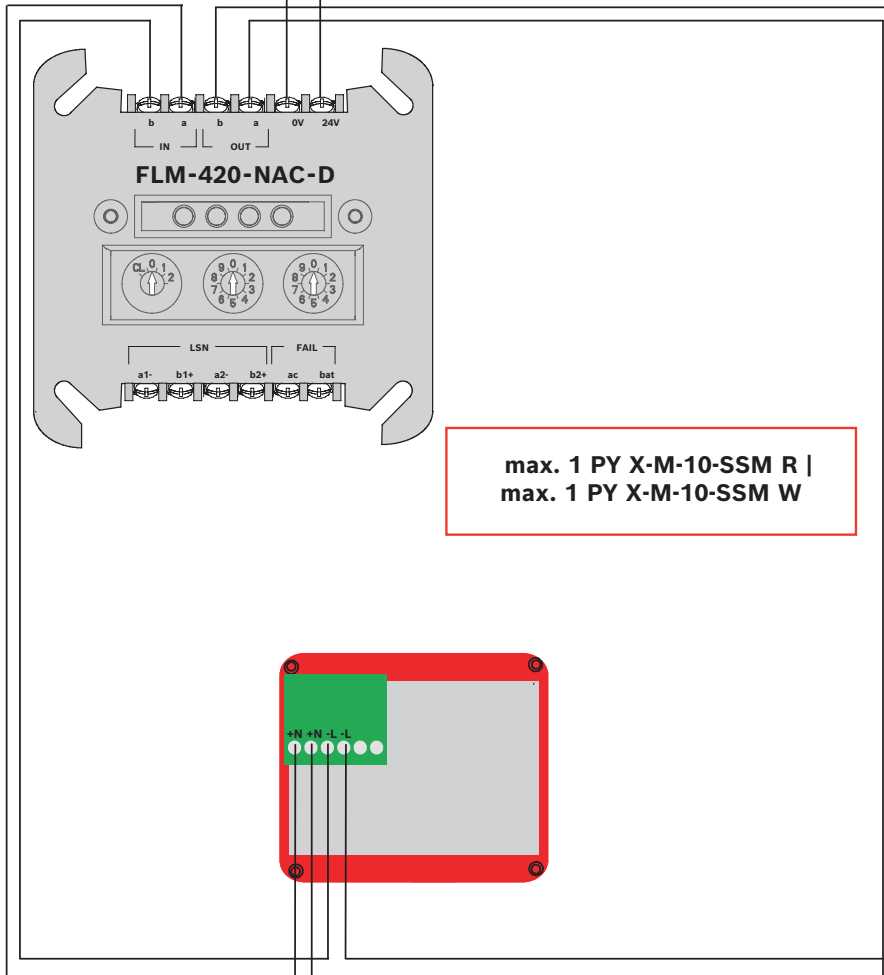


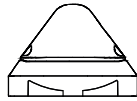


**PY X-M-10-SSM R**  
**PY X-M-10-SSM W**



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

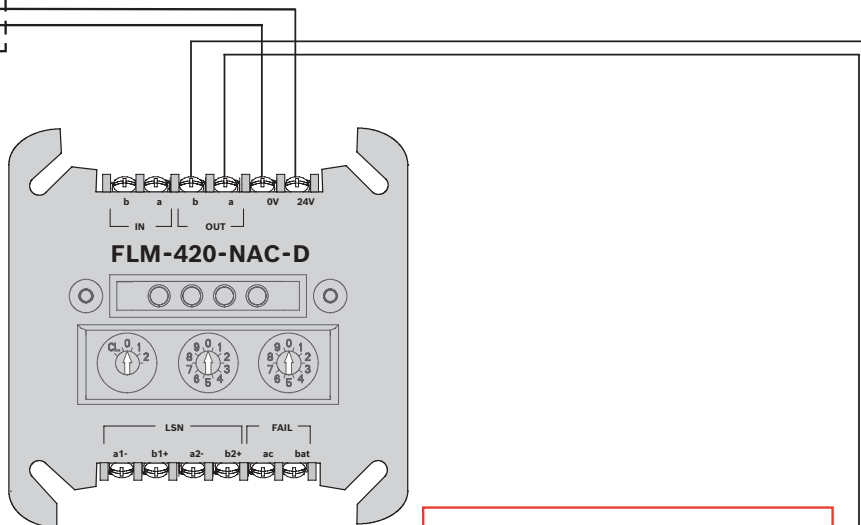




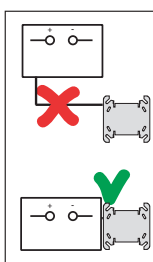
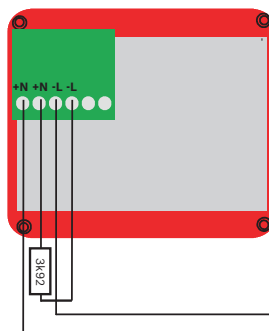
**PY X-M-10-SSM R**  
**PY X-M-10-SSM W**



FPP-3000  
 FPP-5000  
 BCM-0000-B

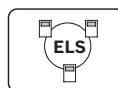


**max. 1 PY X-M-10-SSM R |**  
**max. 1 PY X-M-10-SSM W**

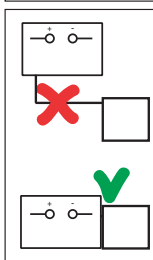
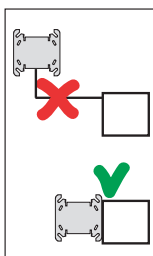
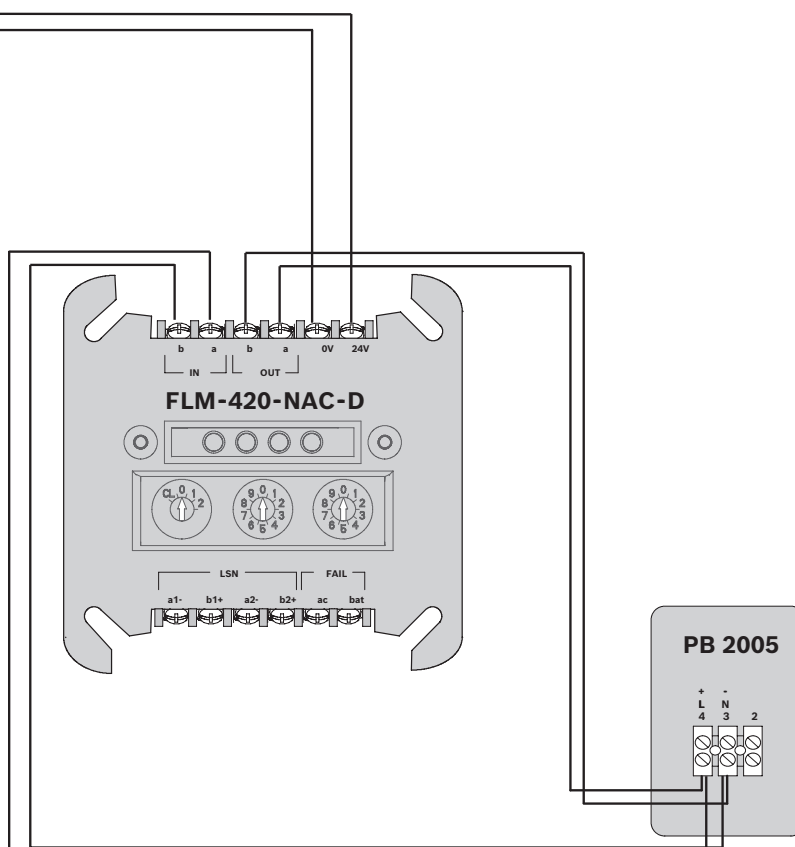




PB 2005

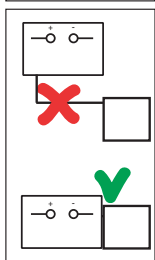
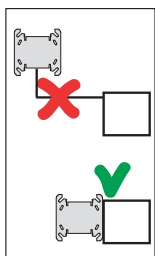
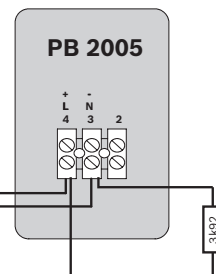
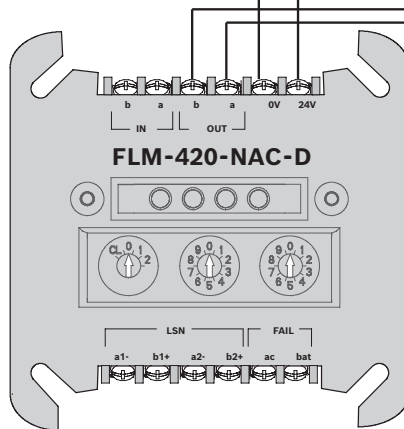


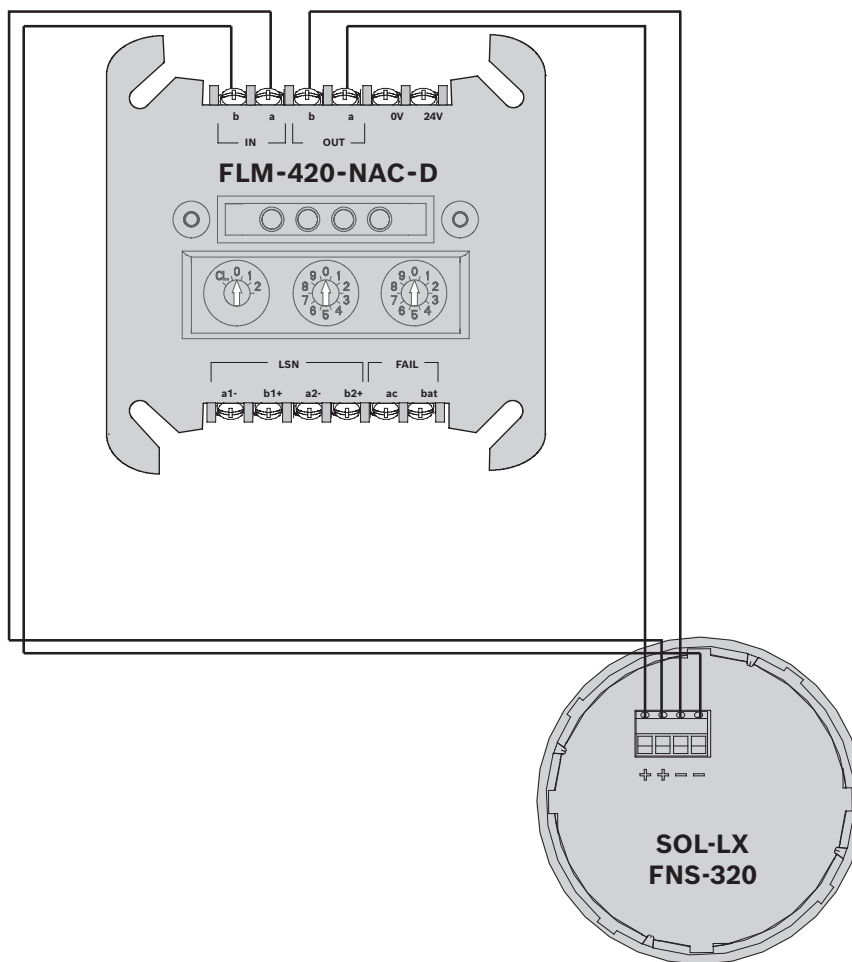
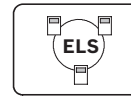
FPP-5000  
BCM-0000-B



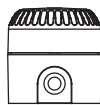


PB 2005

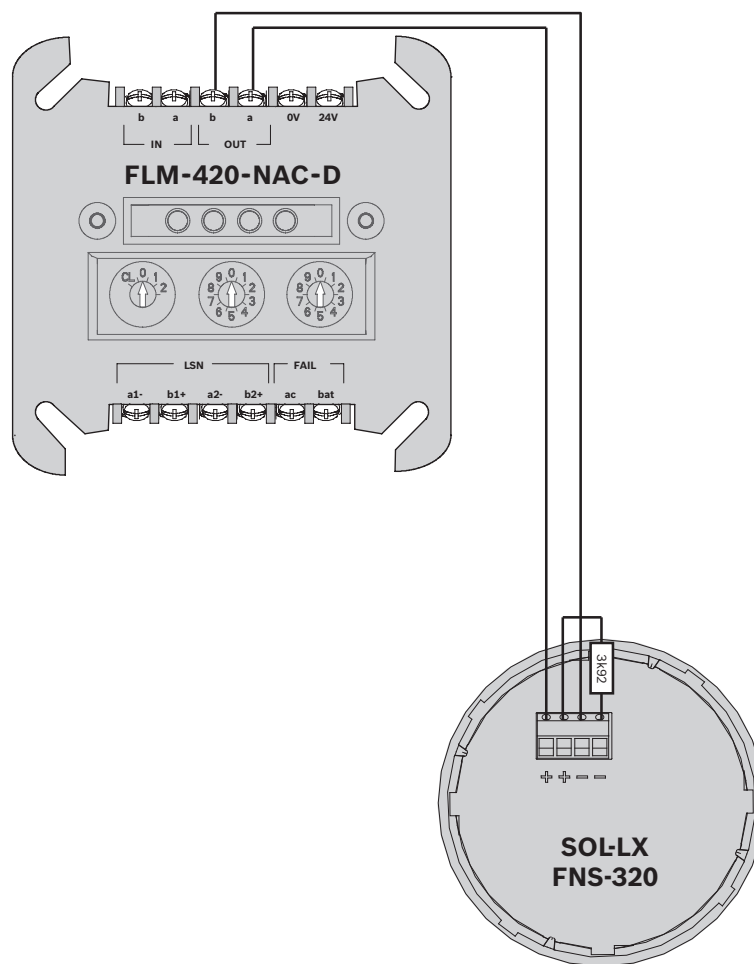
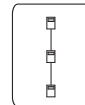


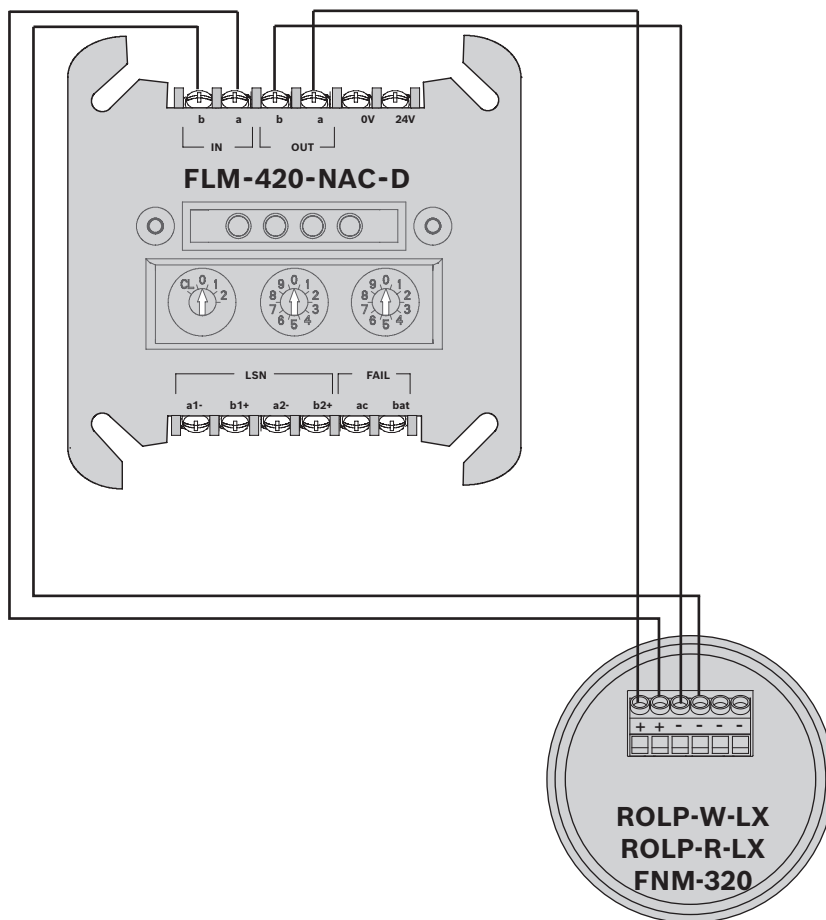
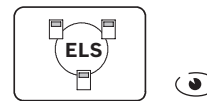






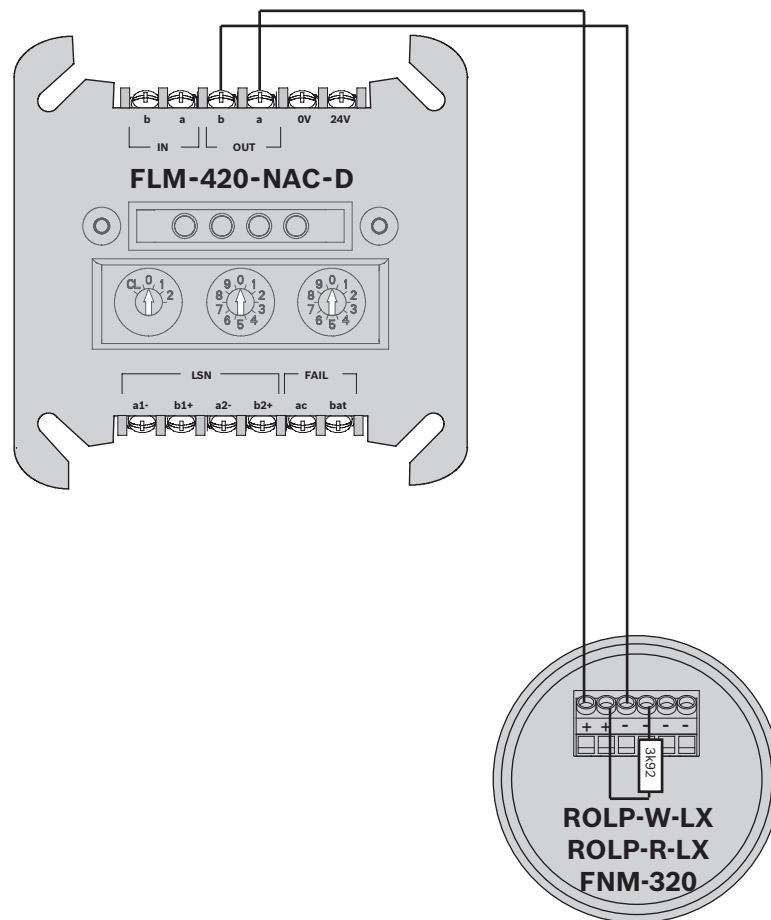
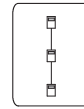
**SOL-LX  
FNS-320**



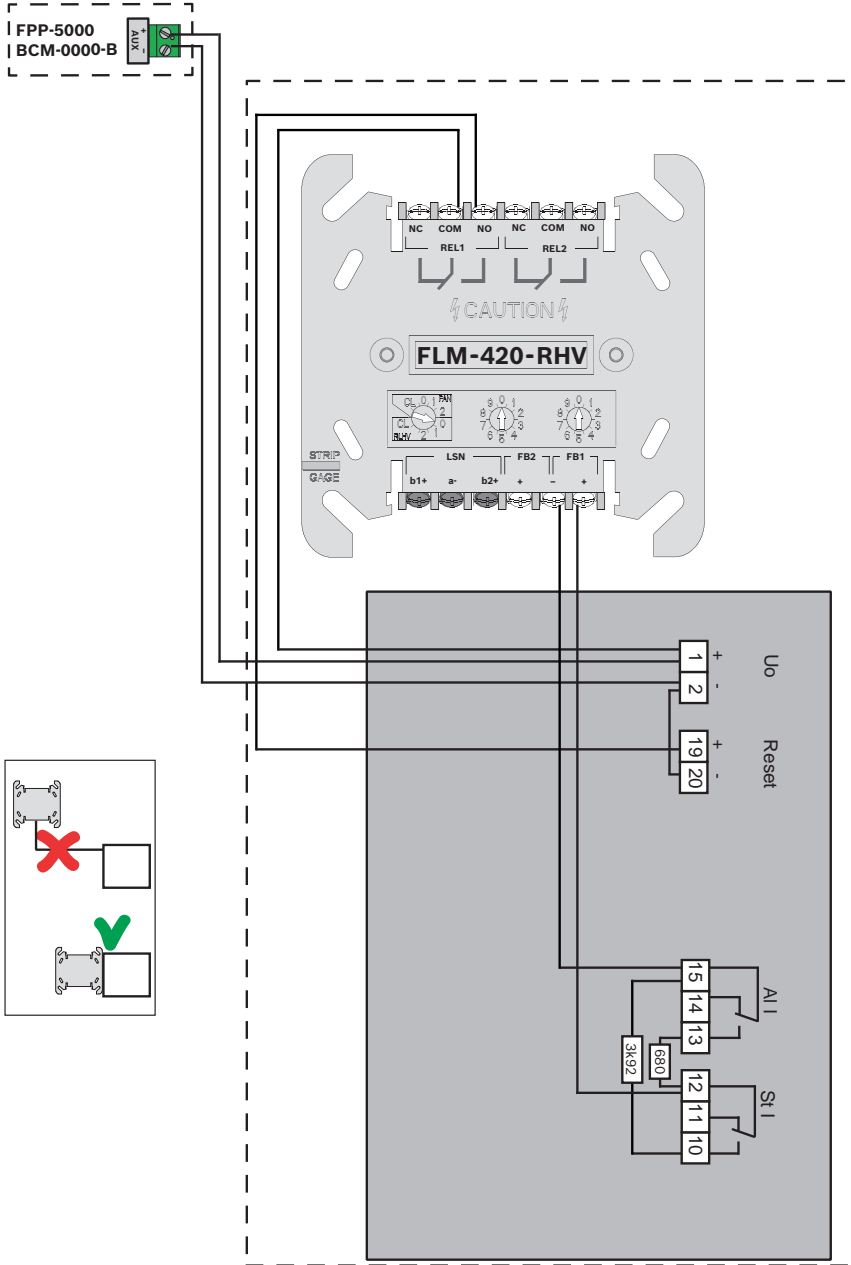




**ROLP-W-LX**  
**ROLP-R-LX**  
**FNM-320**



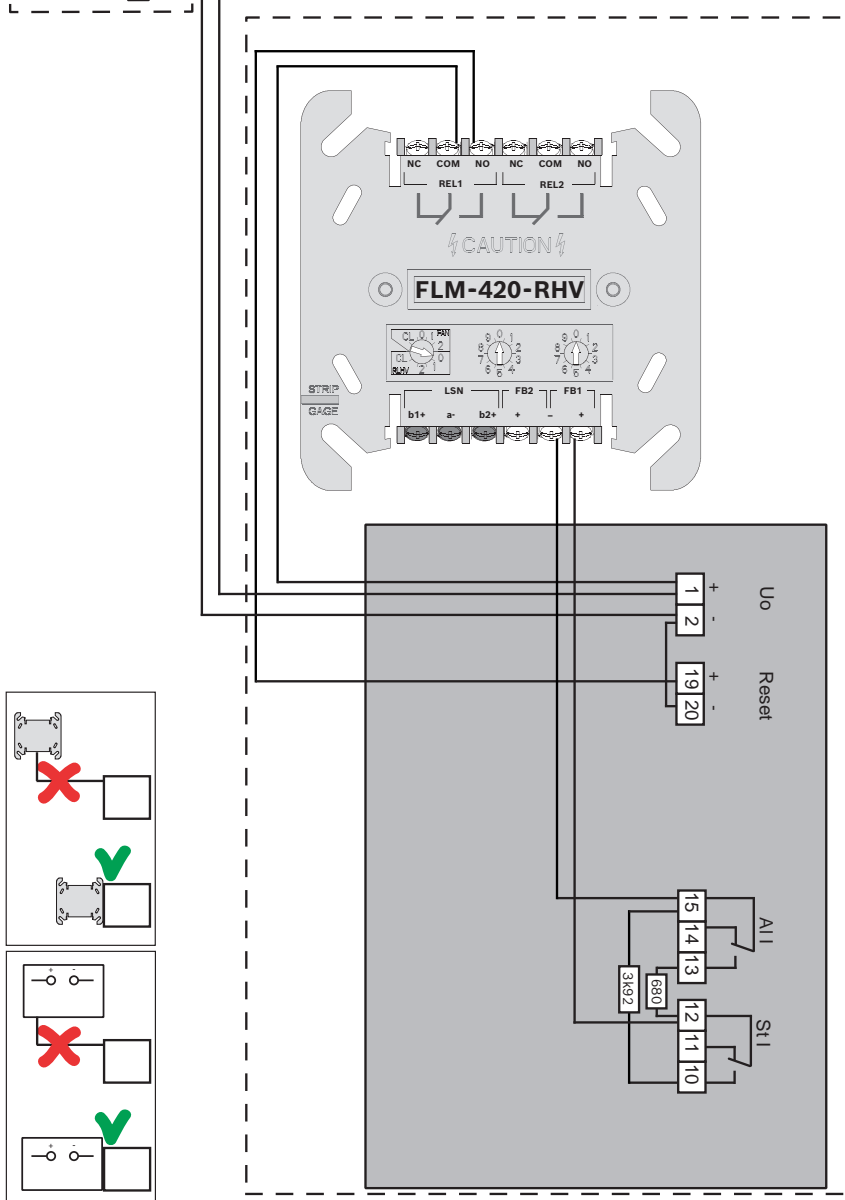
### 2.5.4 FLM-420-RHV

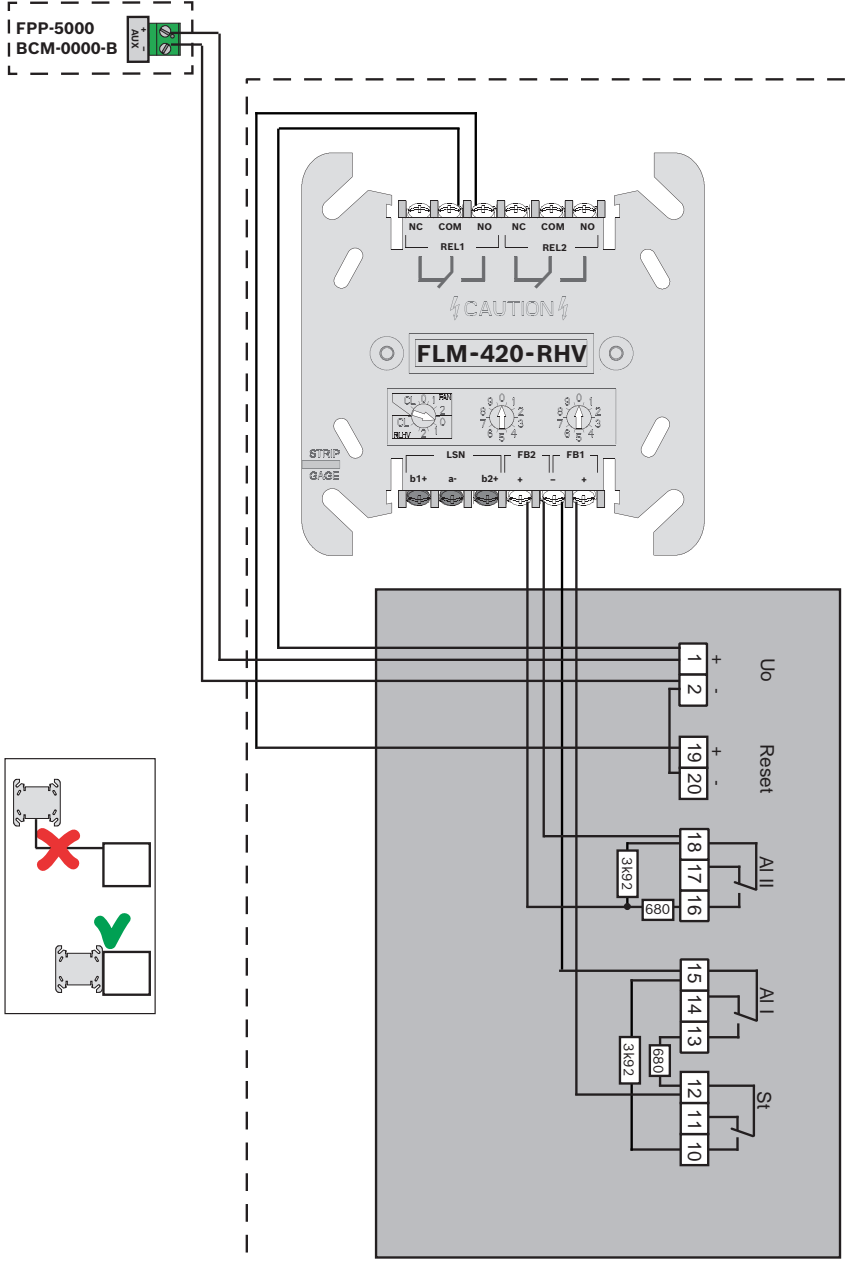
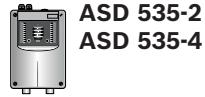




ELS

FPP-5000  
BCM-0000-B

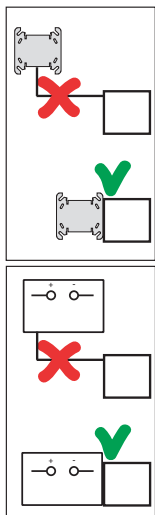
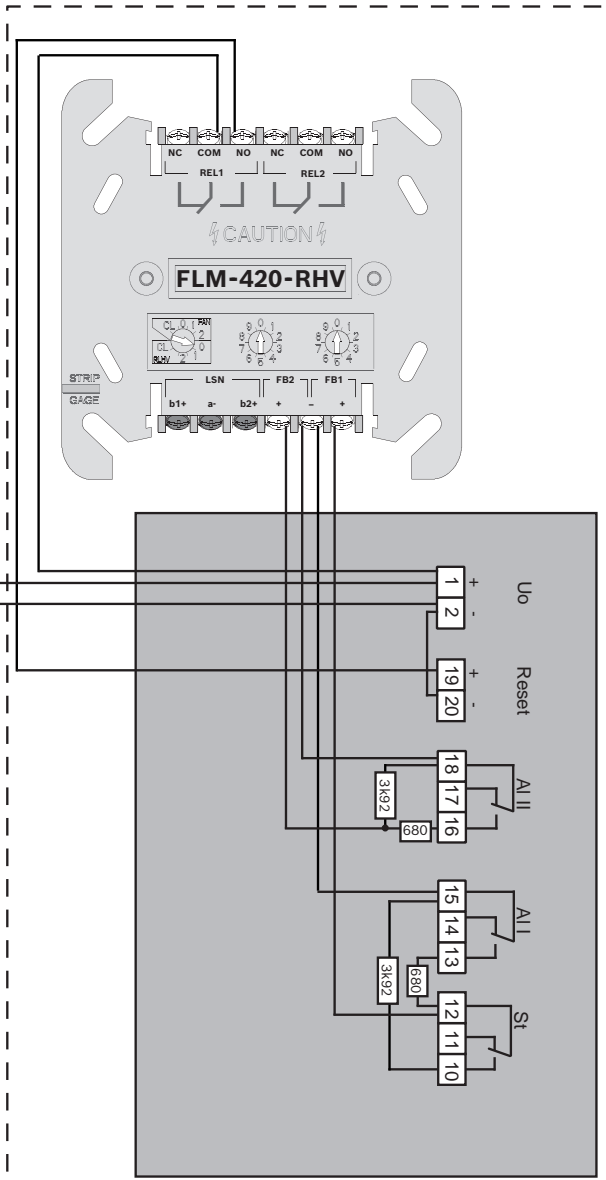


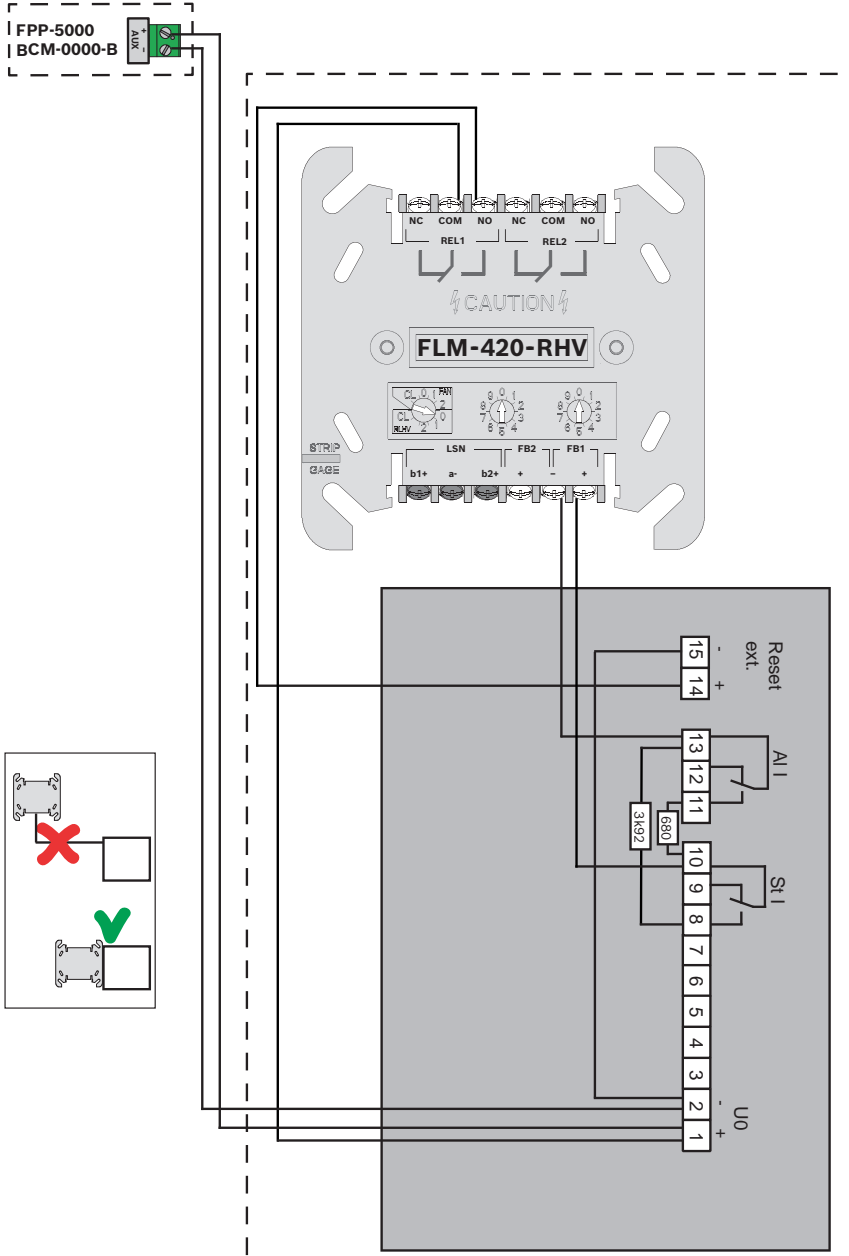




ELS

FPP-5000  
BCM-0000-B

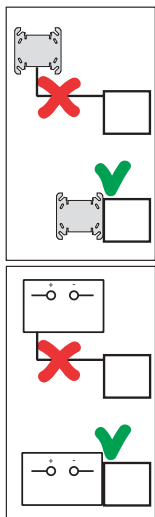
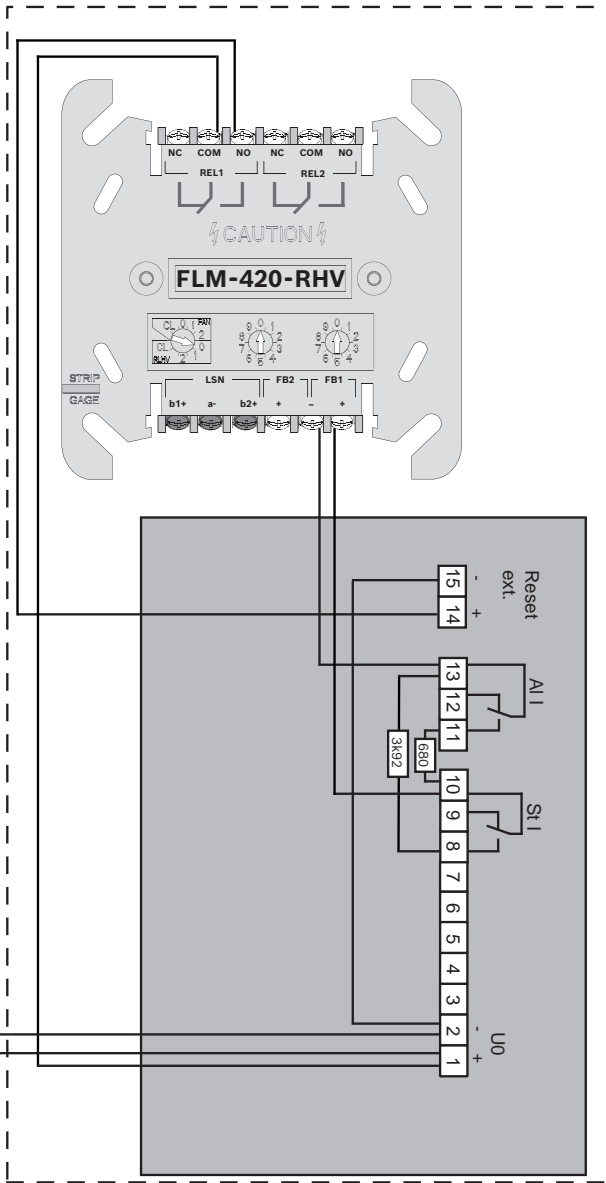


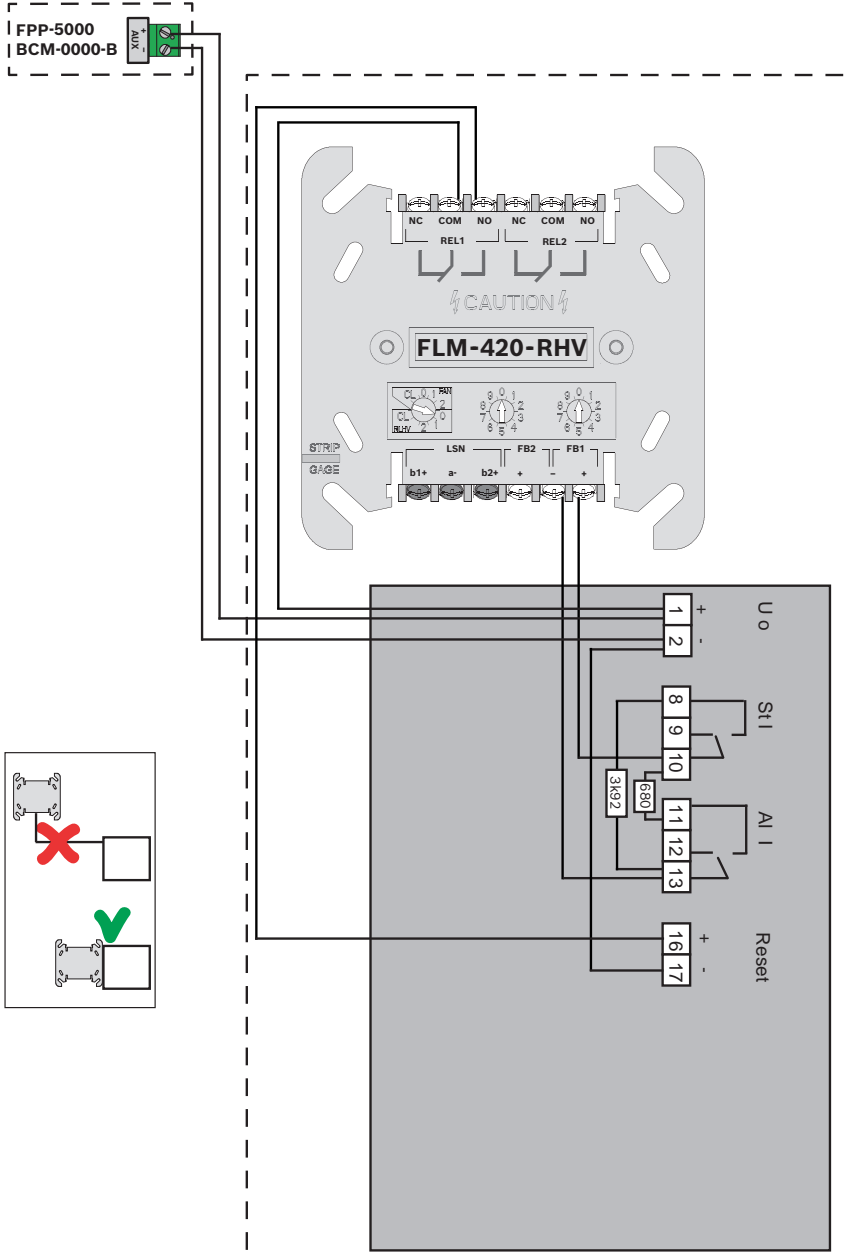






FPP-5000  
BCM-0000-B



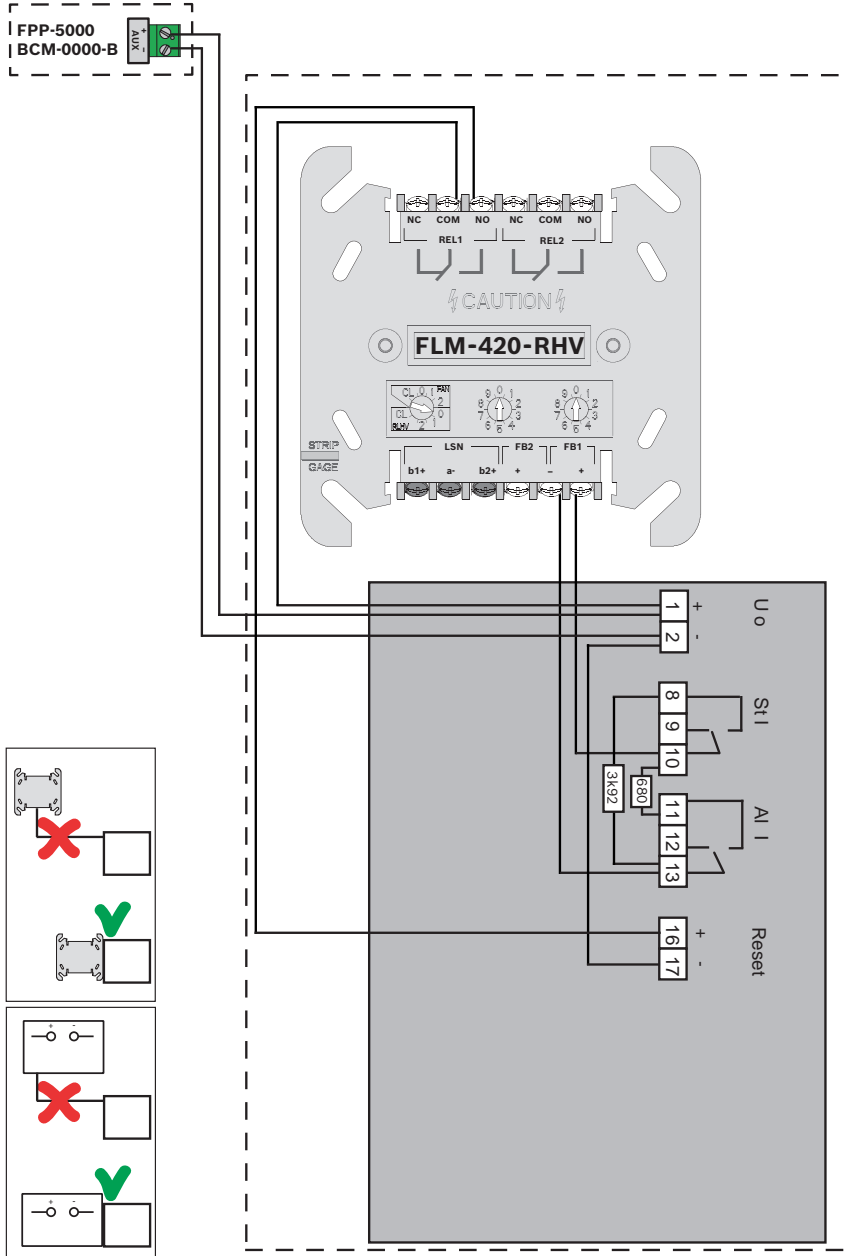




ADW 535-1

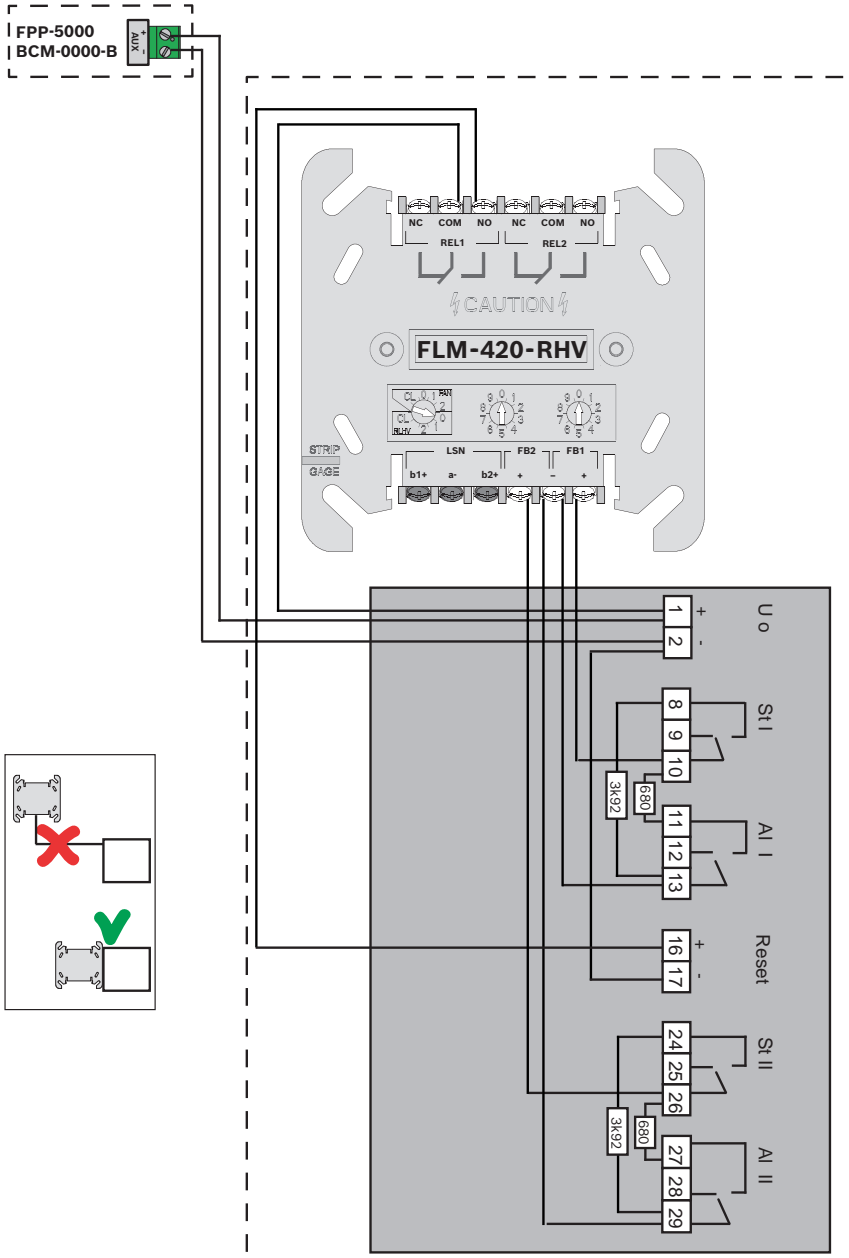


ELS





ADW 535-2

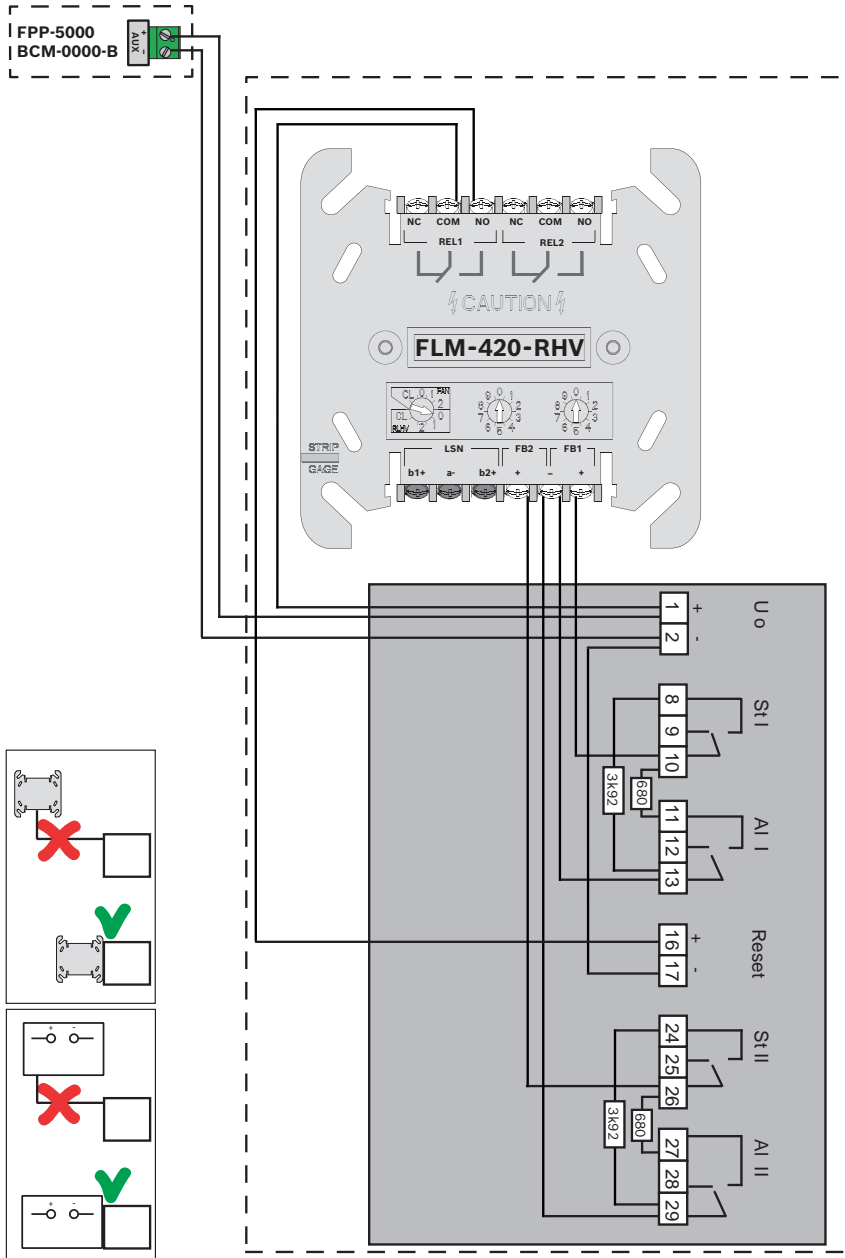




ADW 535-2

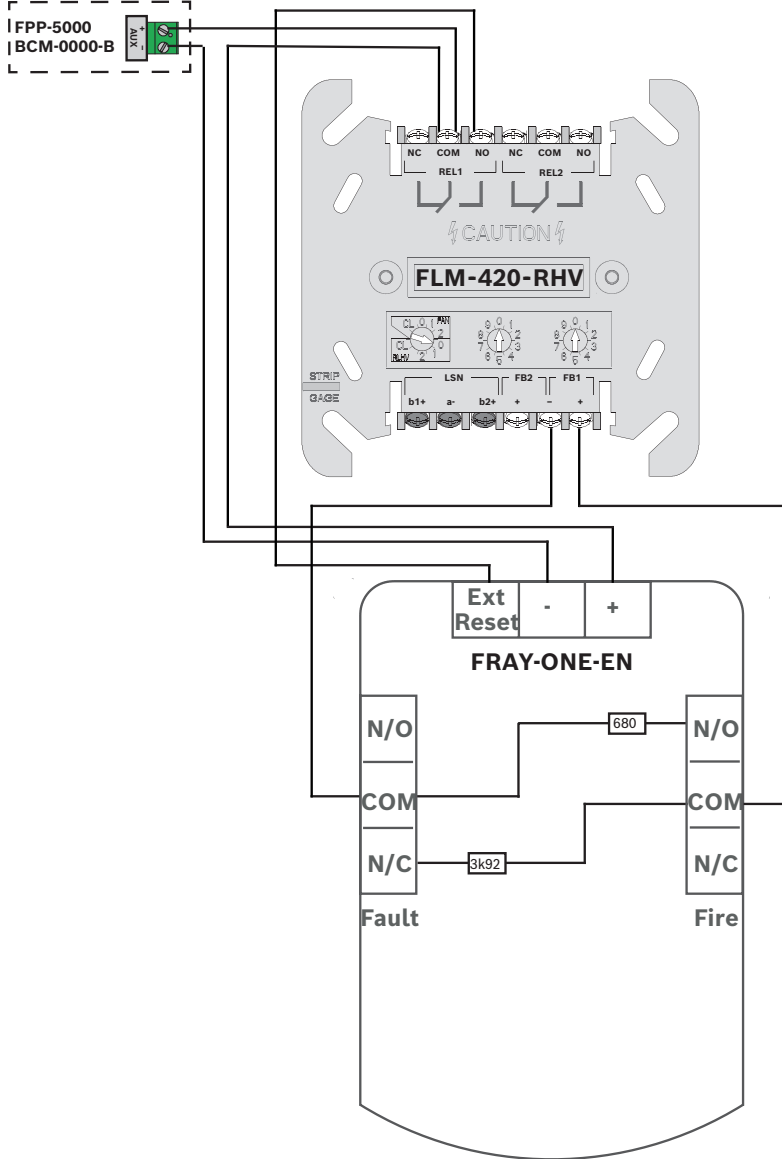


ELS





**Fireray One**



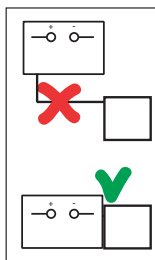
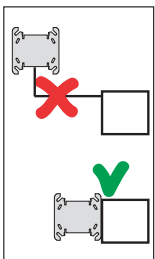
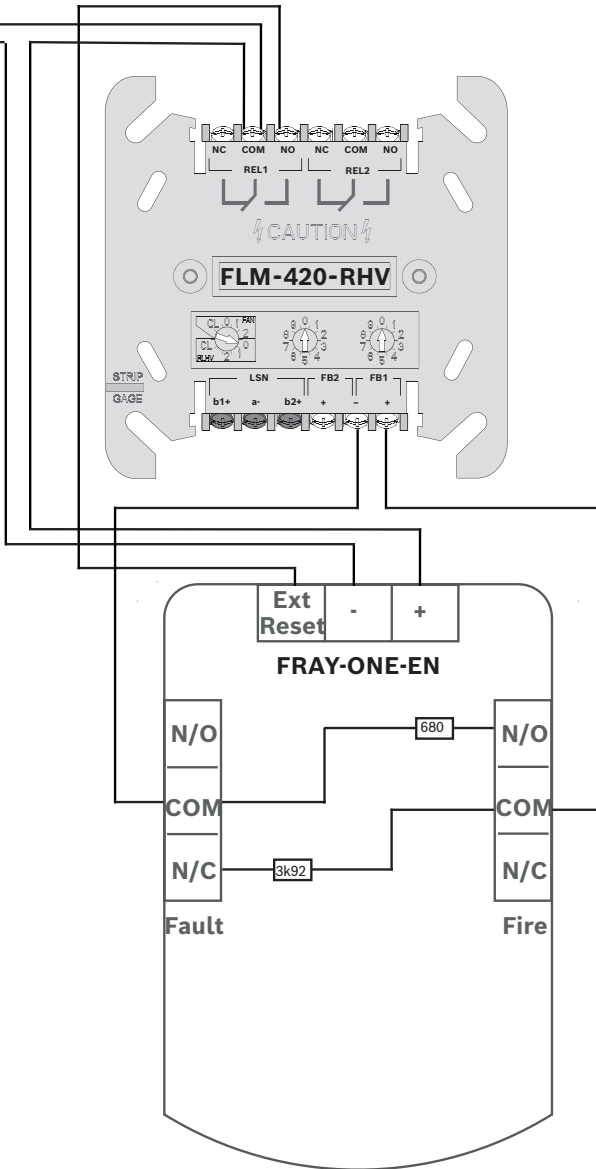


Fireray One



ELS

FPP-5000  
BCM-0000-B

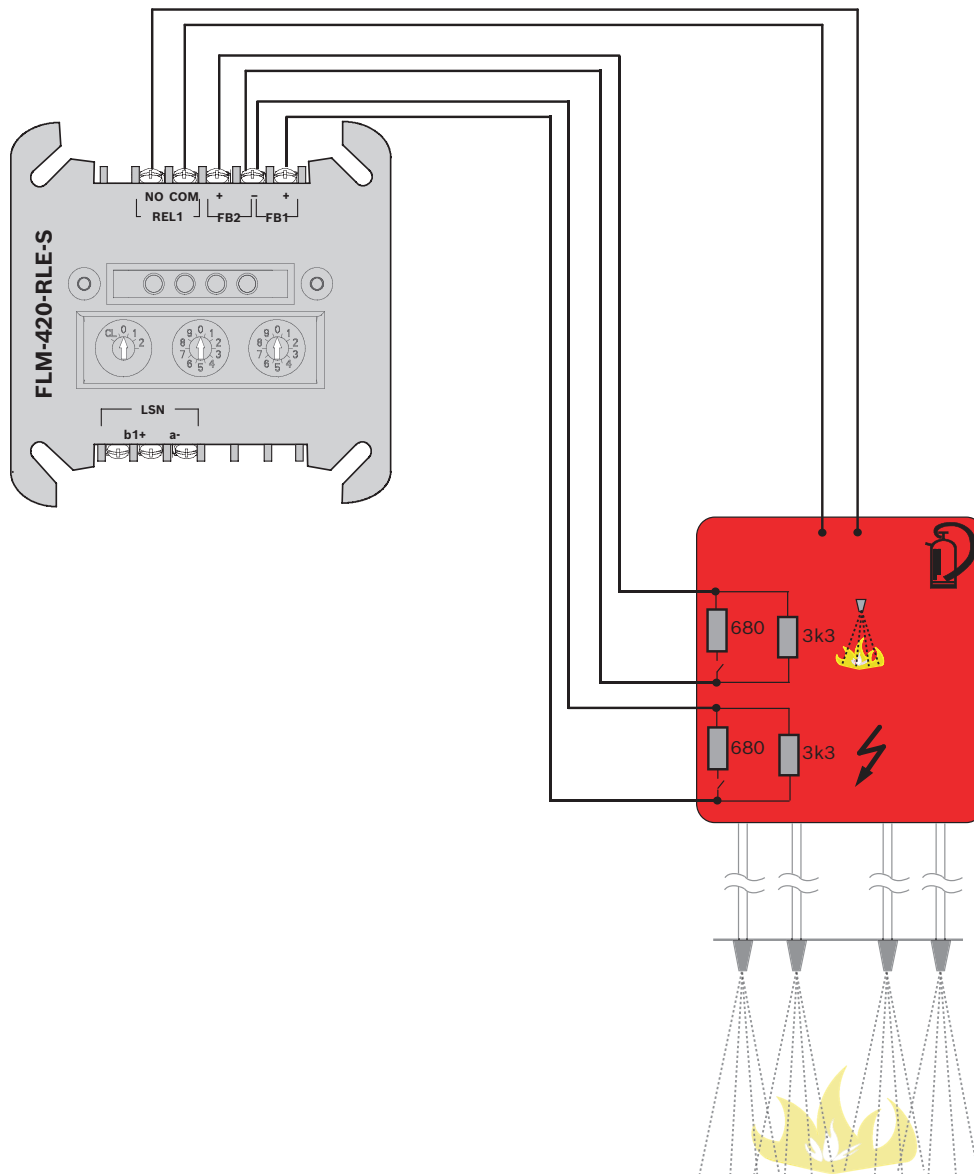


2.5.5

FLM-420-RLE-S

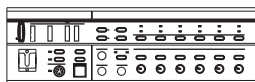
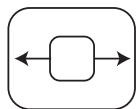


VdS 2496

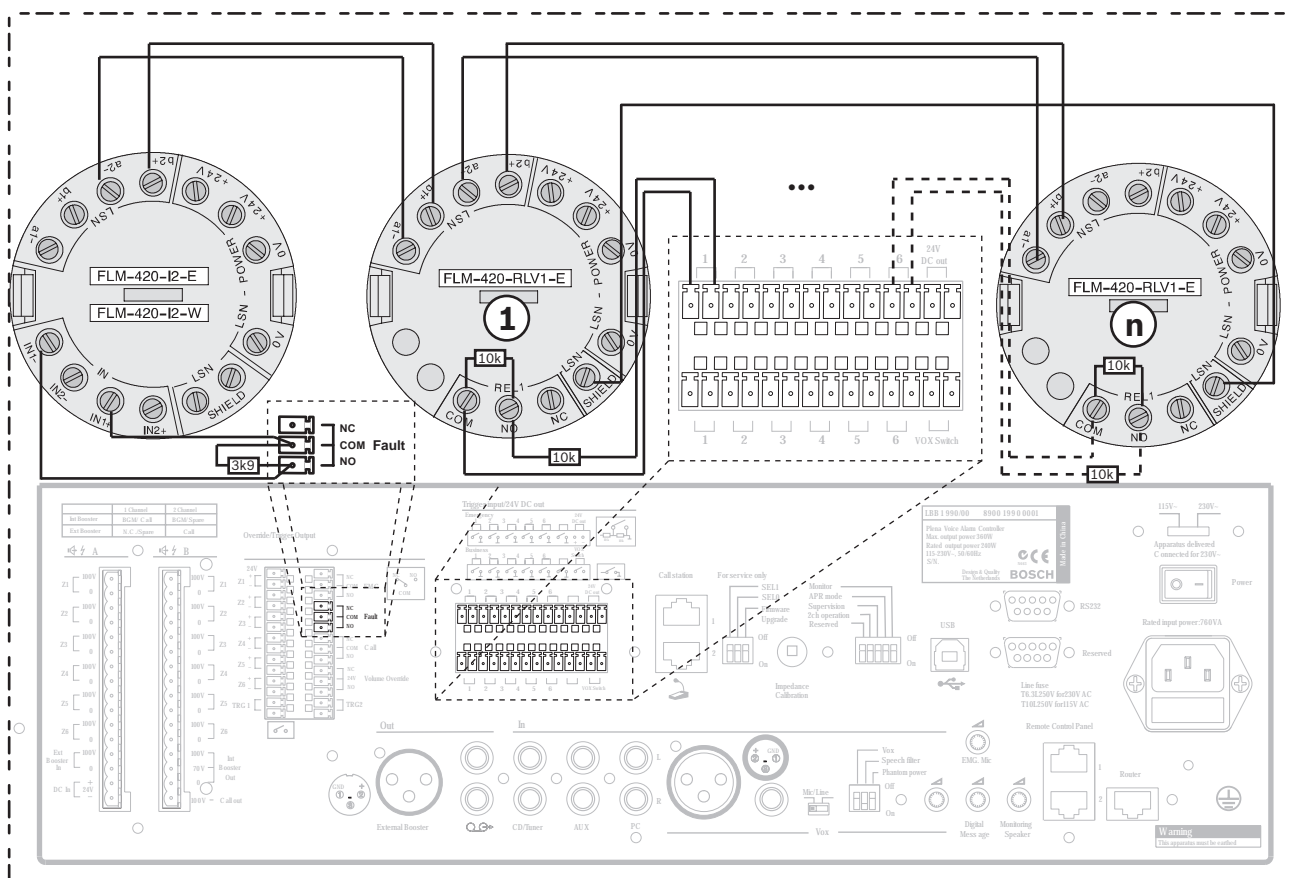




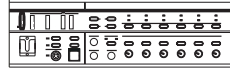
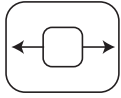
### 2.5.6 FLM-420-RLV1-E



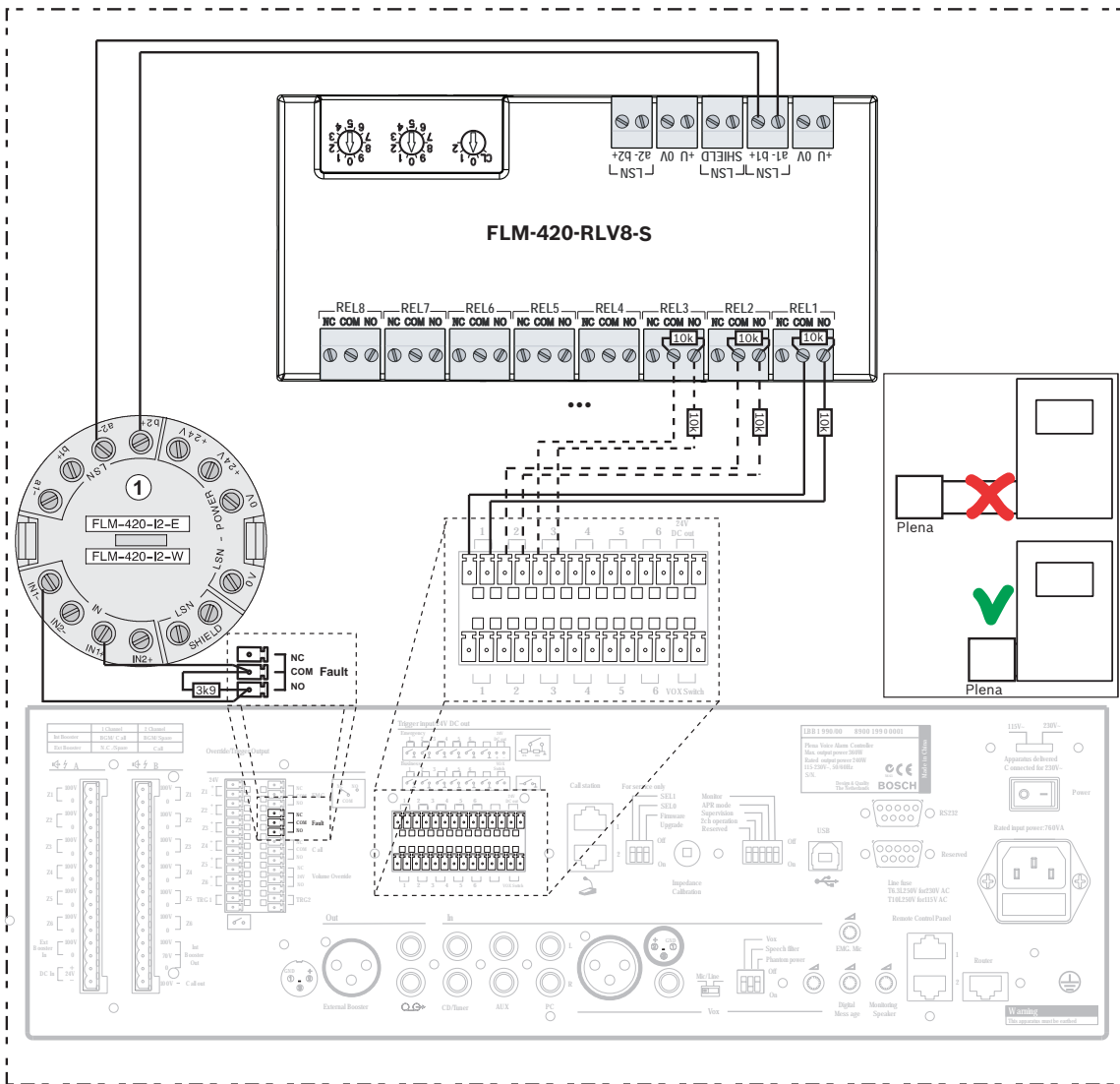
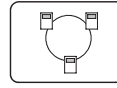
Plena



### 2.5.7 FLM-420-RLV8-S



Plena



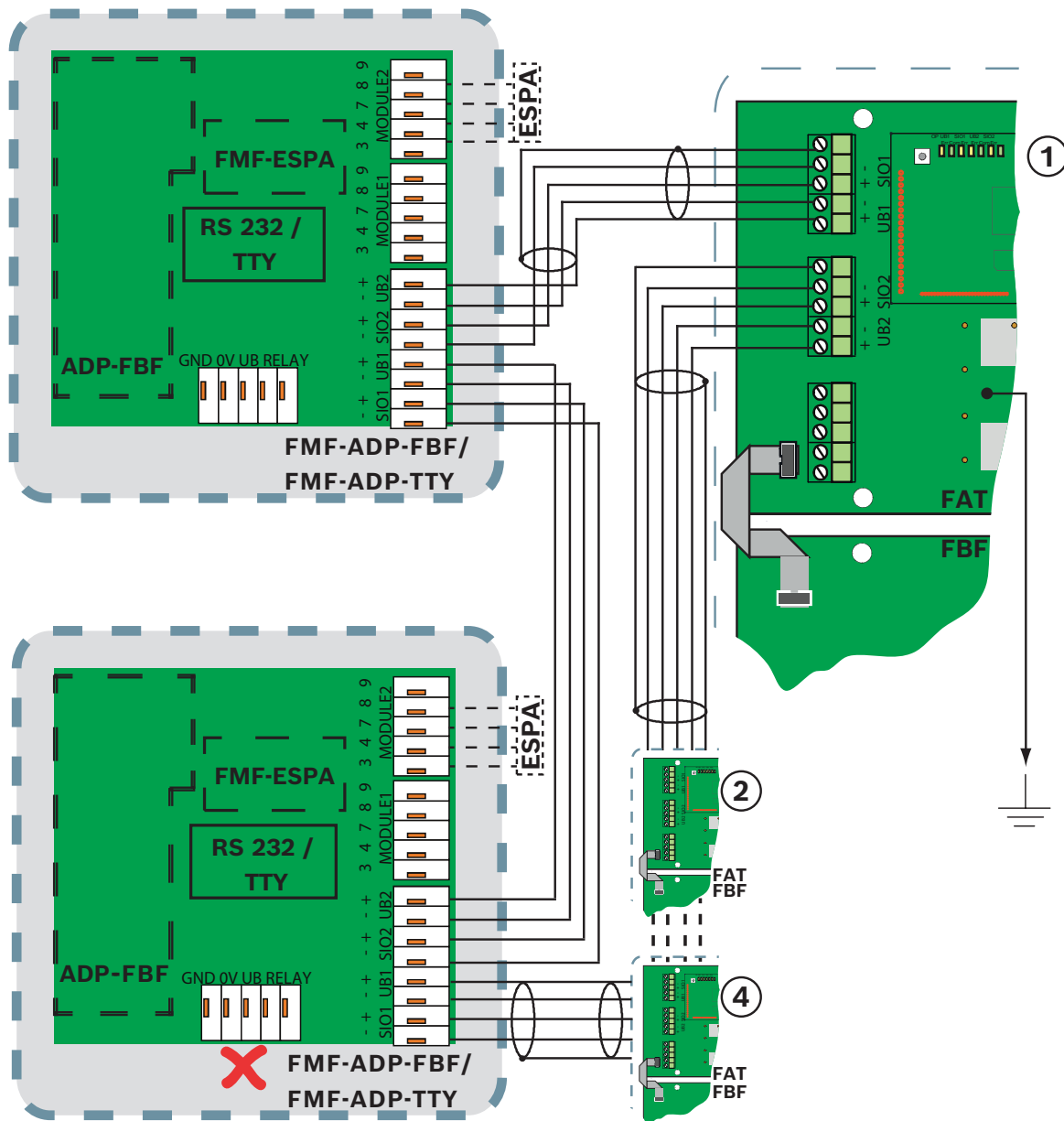
### 2.5.8 FMF-ADP-FBF/FMF-ADP-TTY



FAT4000 FBF4000 ADP4000

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

ELS



## 2.6

### EOL



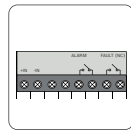
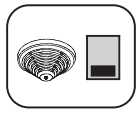
*CZM 0004 A, pagină 189*

*LSN 0300 A, pagină 201*

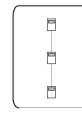
*FLM-420/4-CON-S/D, pagină 246*

2.6.1

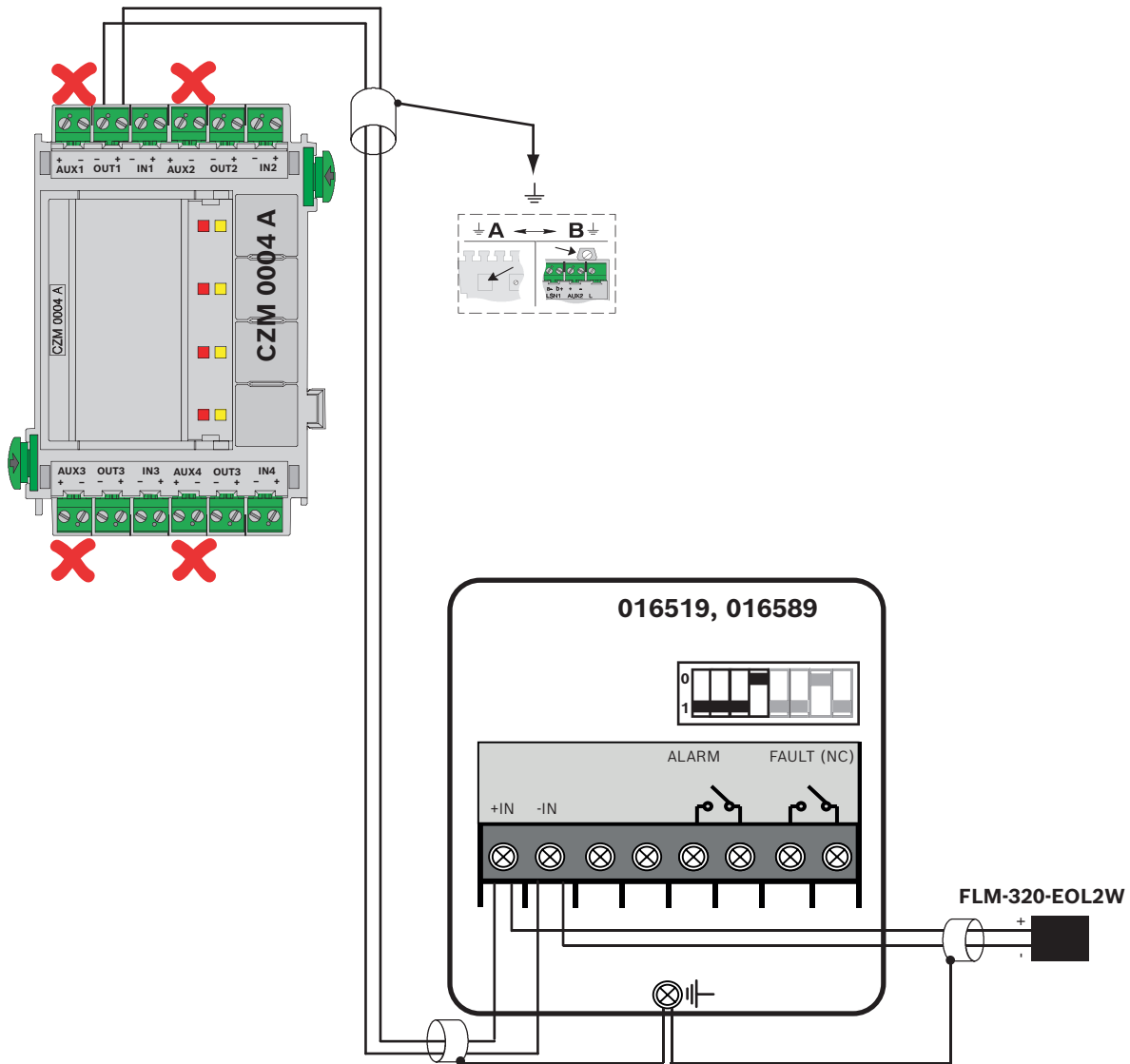
CZM 0004 A

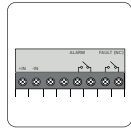


016519, 016589  
IR3 Flame Detector

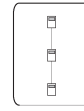


ELS

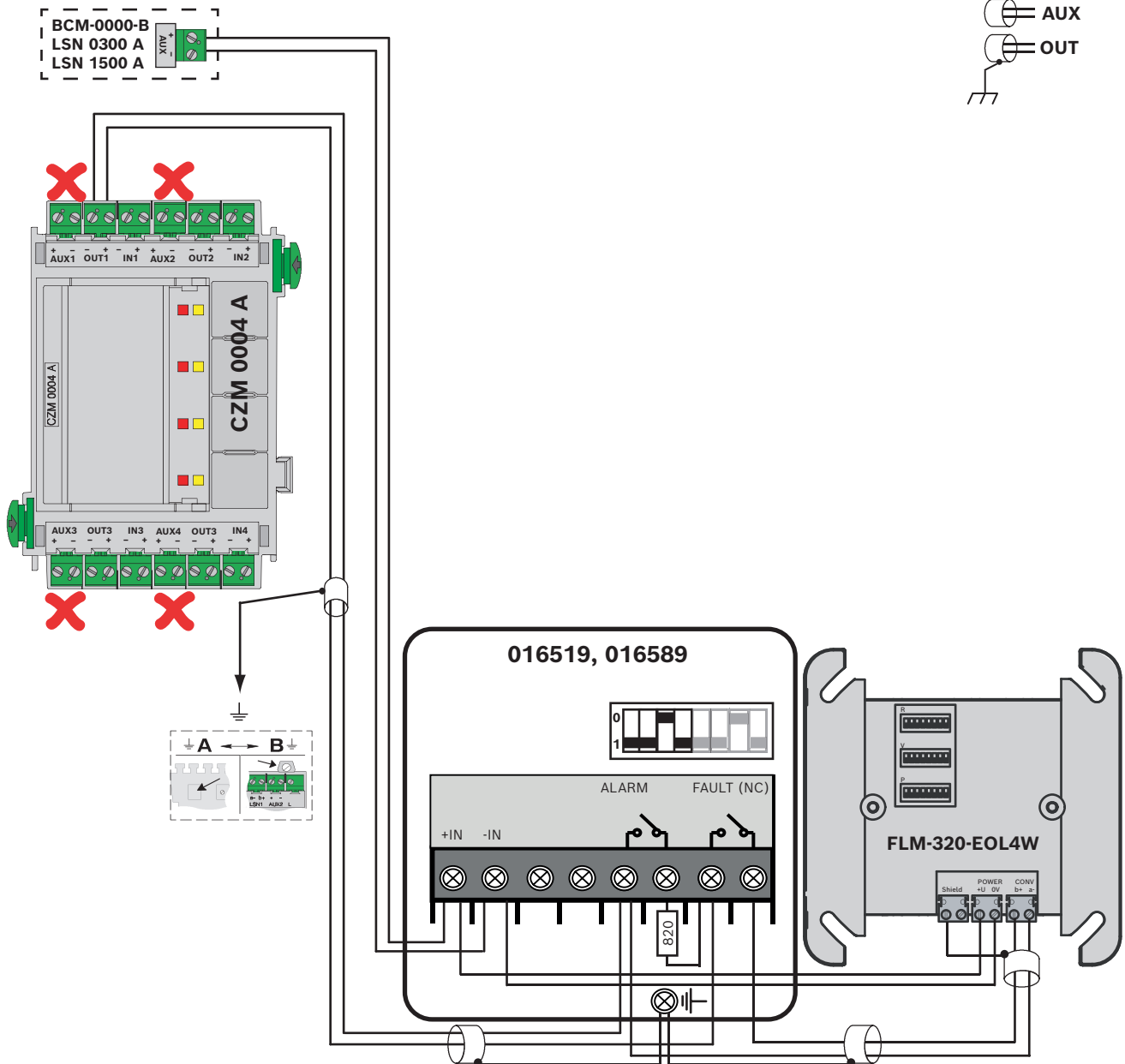




016519, 016589  
IR3 Flame Detector



ELS

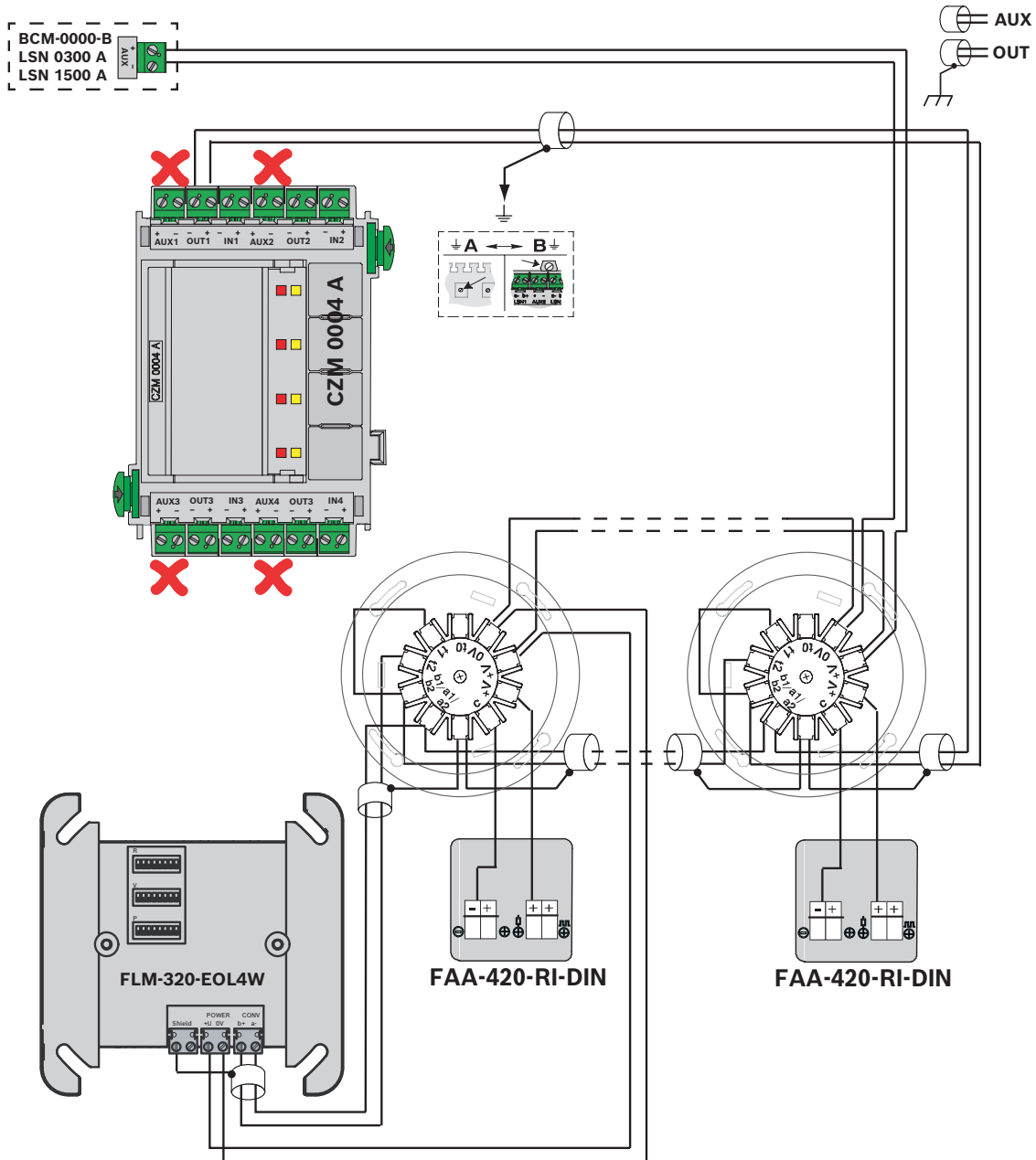


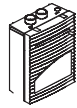


**FCA-500-EU**  
**FCP-O 500**  
**FCP-O 500-P**  
**FCP-OC 500**  
**FCP-OC 500-P**

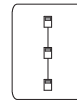


**ELS**



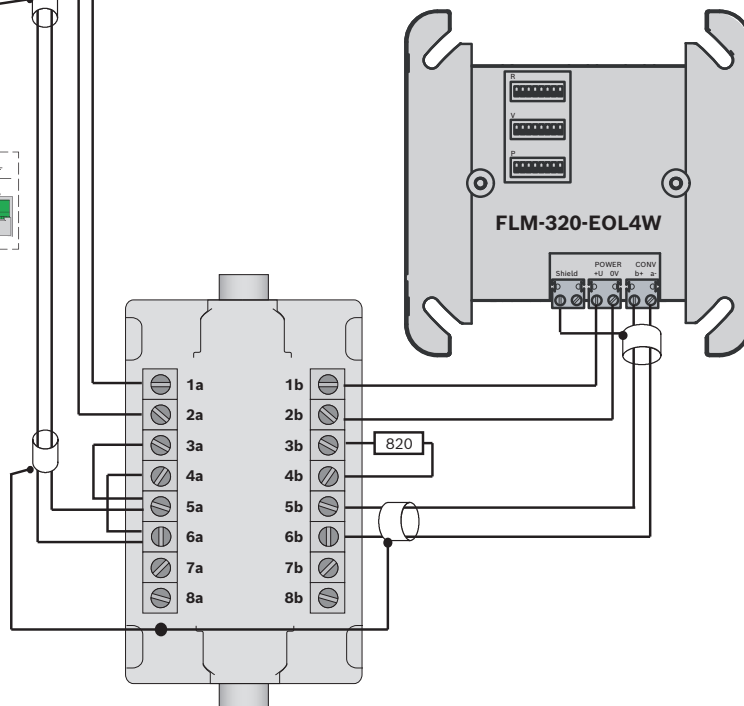
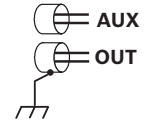
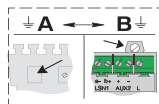
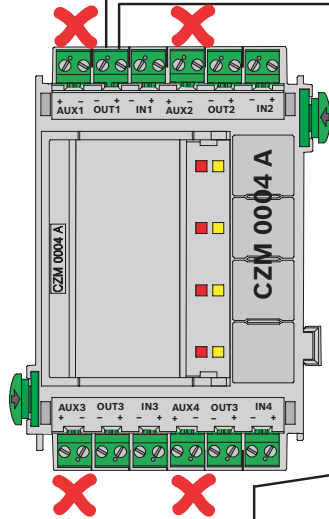


FCS-320-TM Series

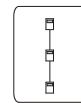


ELS

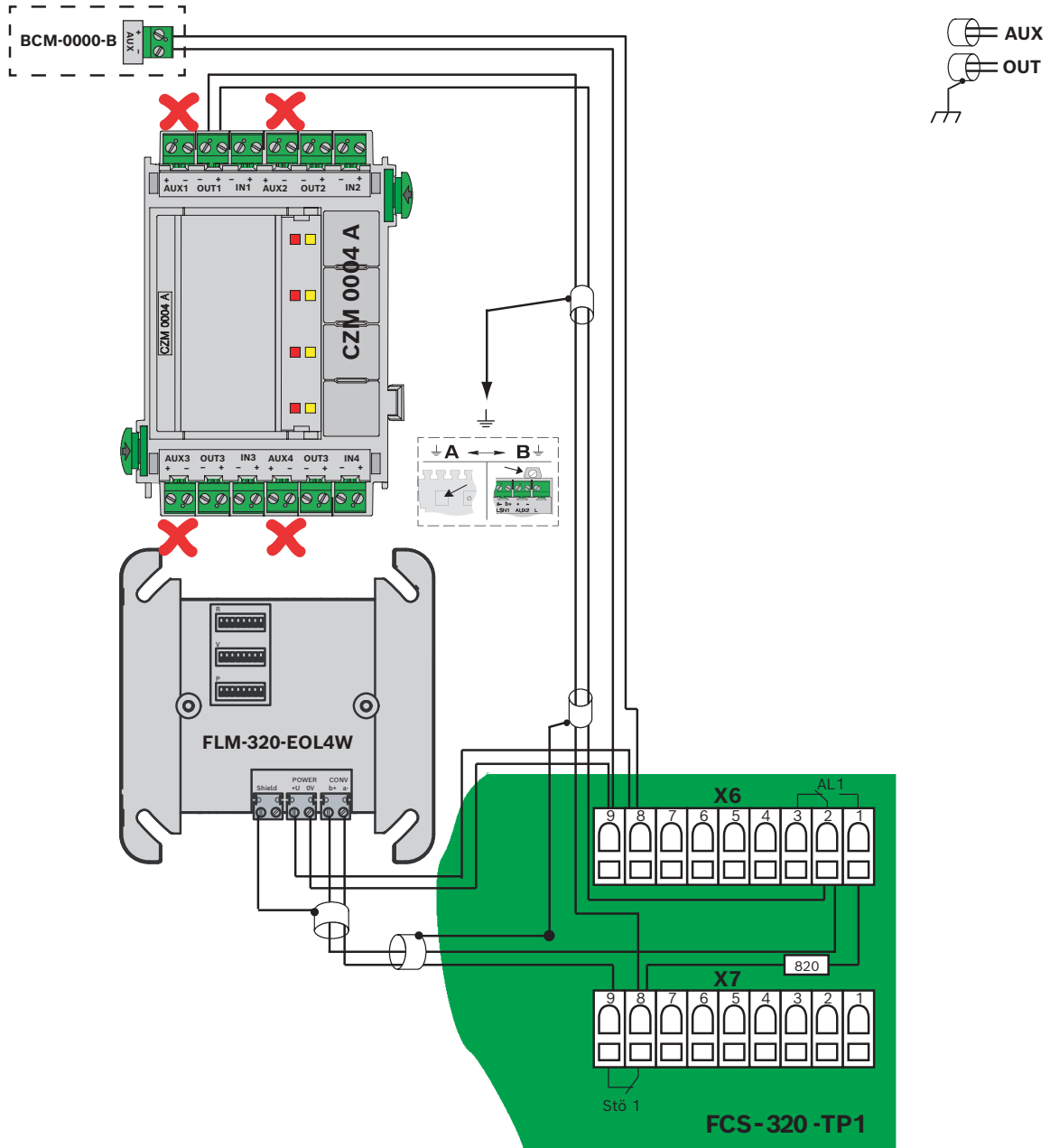
BCM-0000-B  
LSN 0300 A  
LSN 1500 A

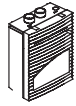




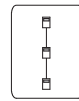


ELS

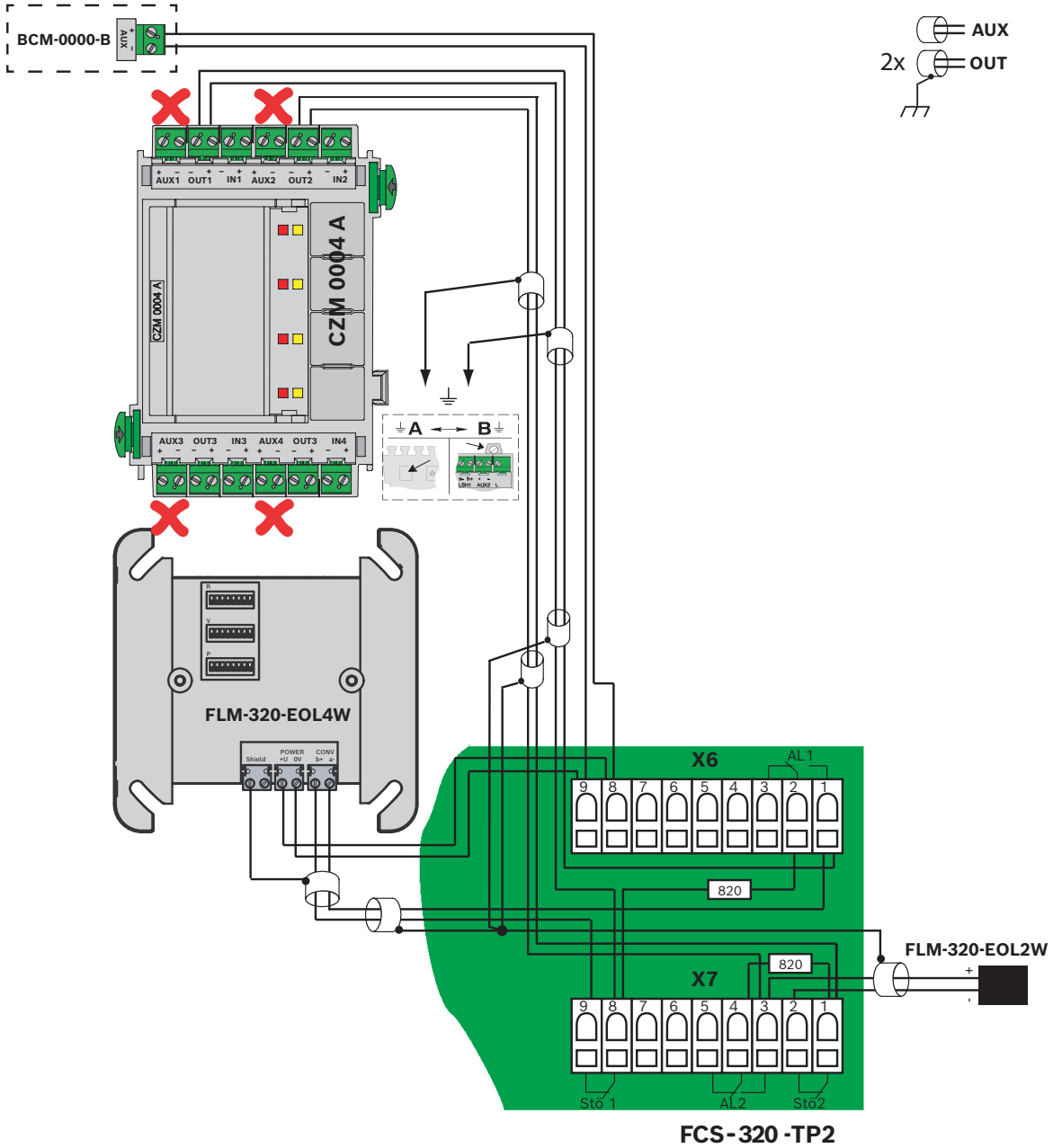




FCS-320-TP2



ELS



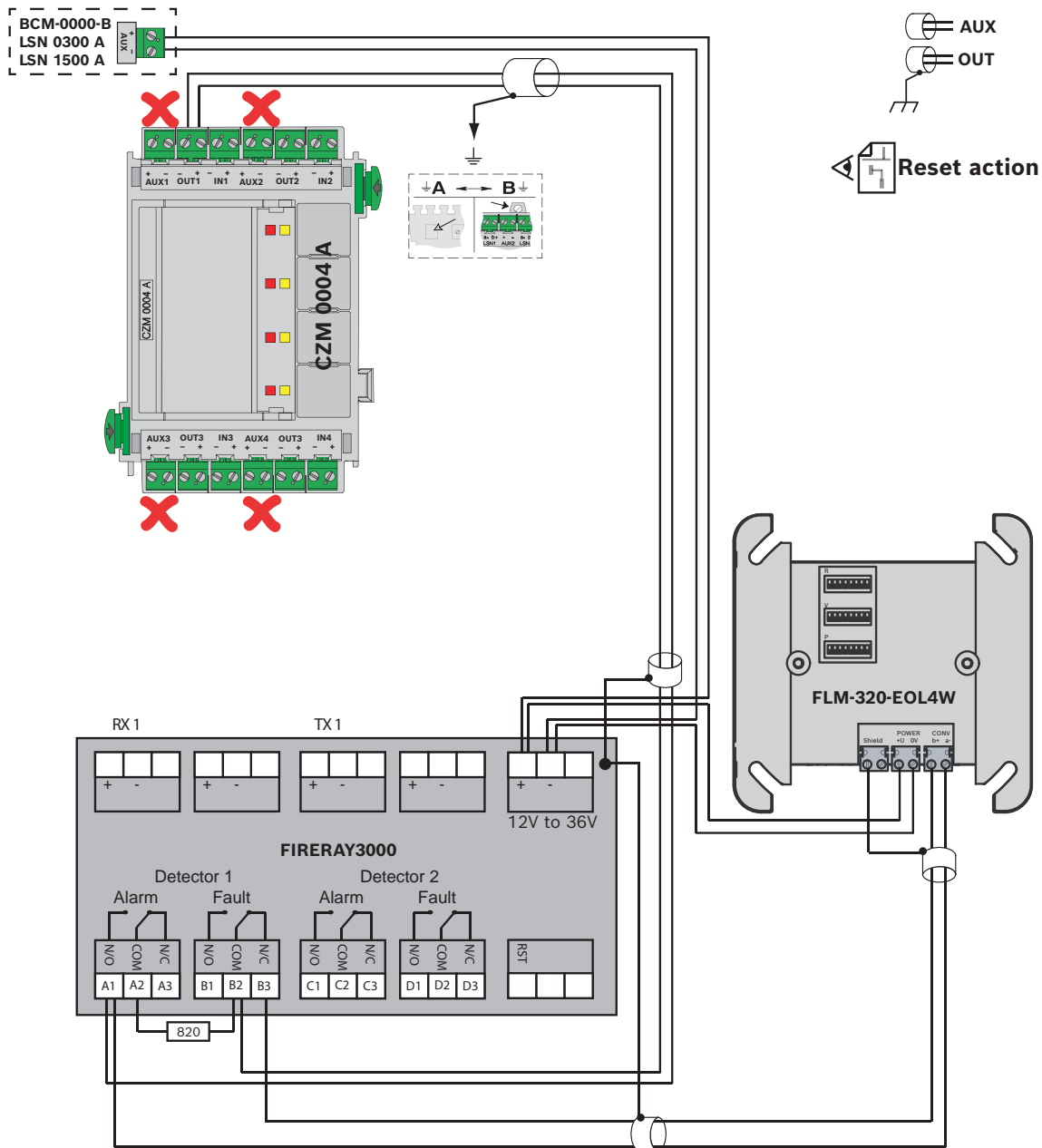


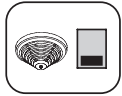
**FIRERAY3000**

1 x



**ELS**

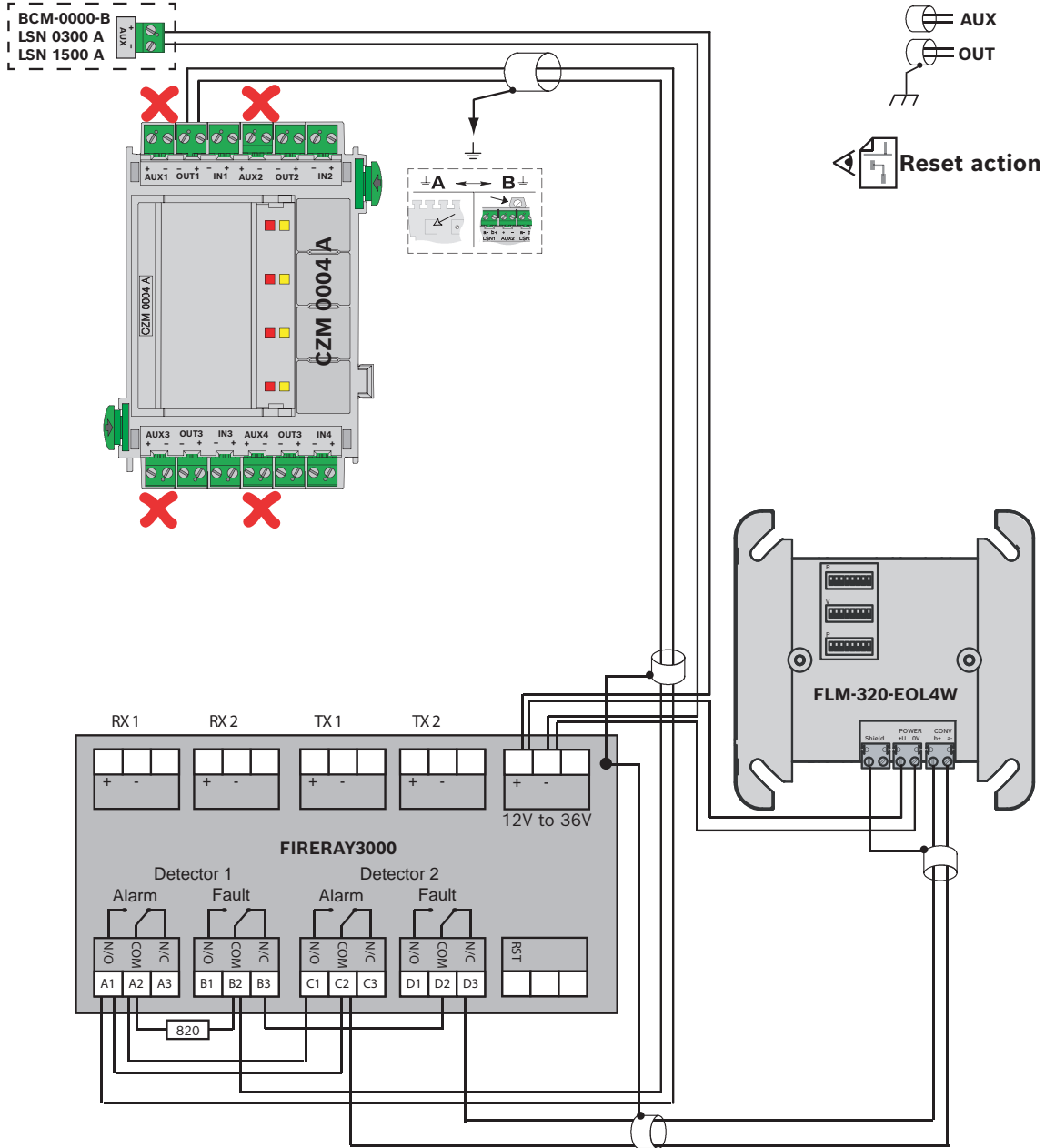




**FIRERAY3000**  
2 x **OUT1**



**ELS**



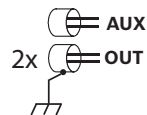
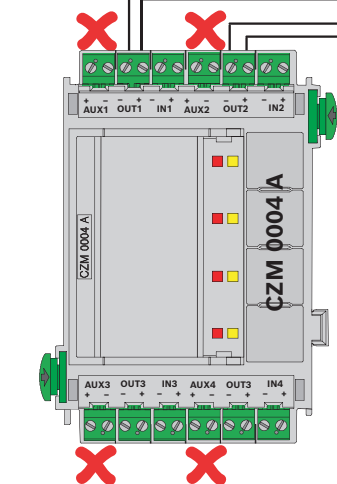


**FIRERAY3000**  
2 x  **OUT1+2**

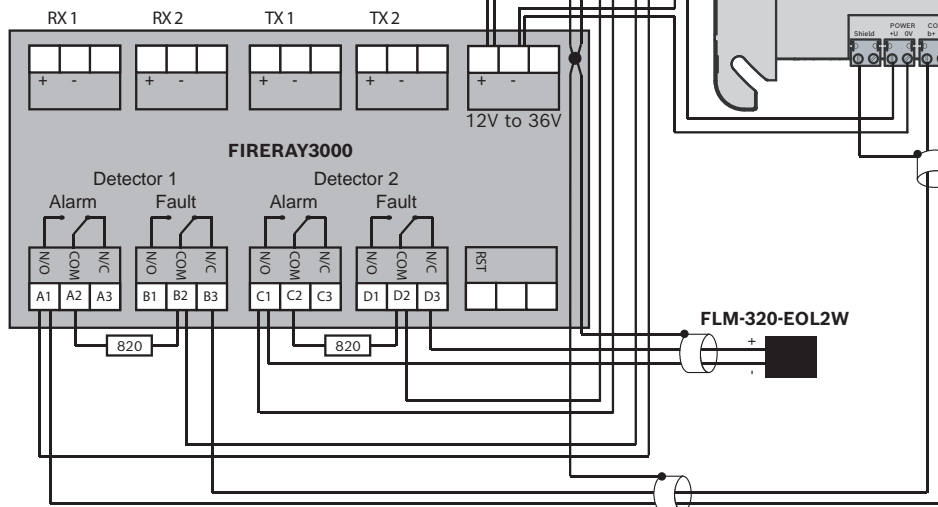
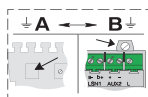


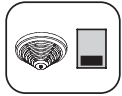
**ELS**

BCM-0000-B  
LSN 0300 A  
LSN 1500 A



 **Reset action**



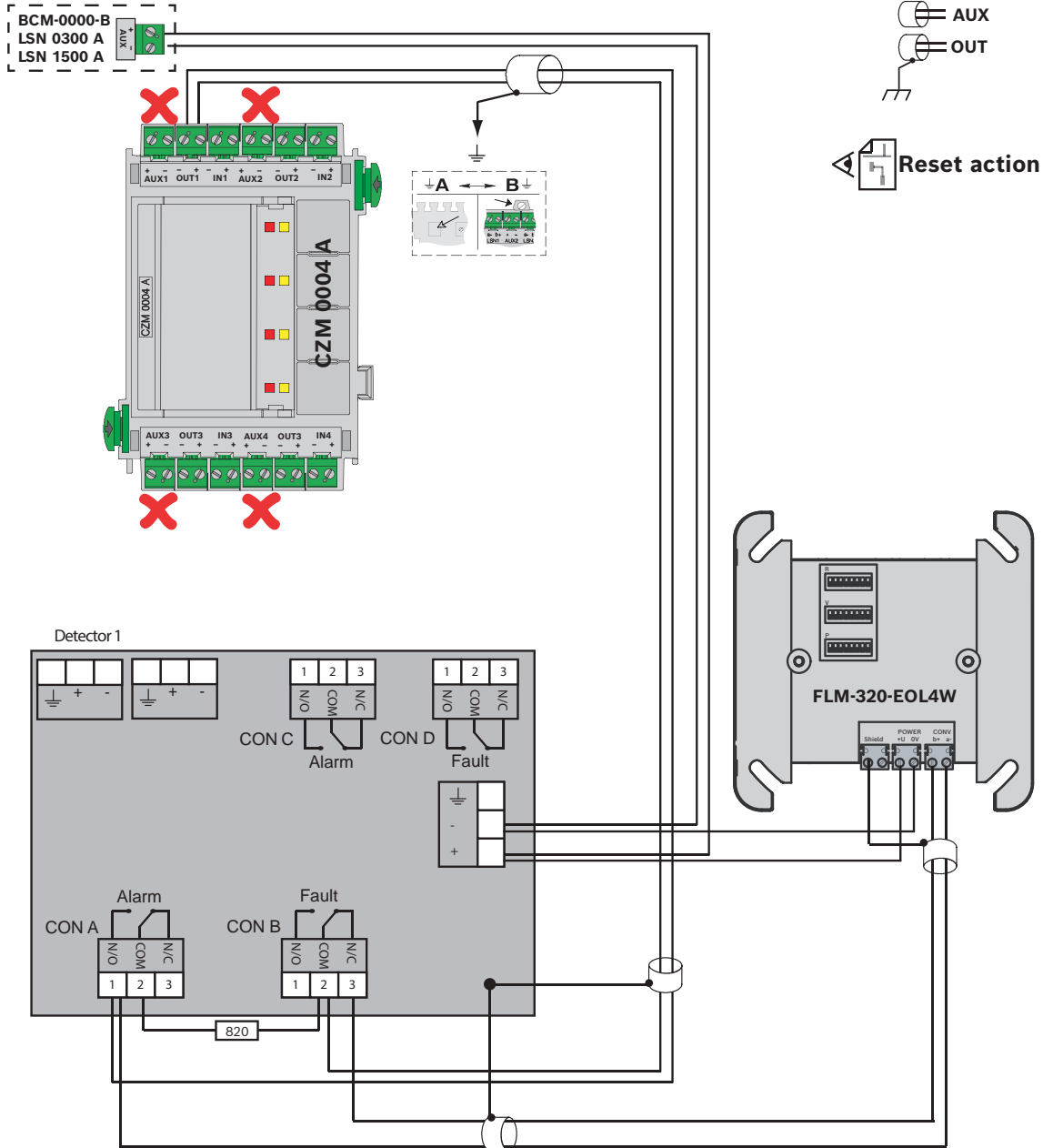


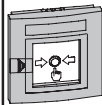
**FIRERAY5000**

1 x

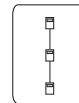


**ELS**

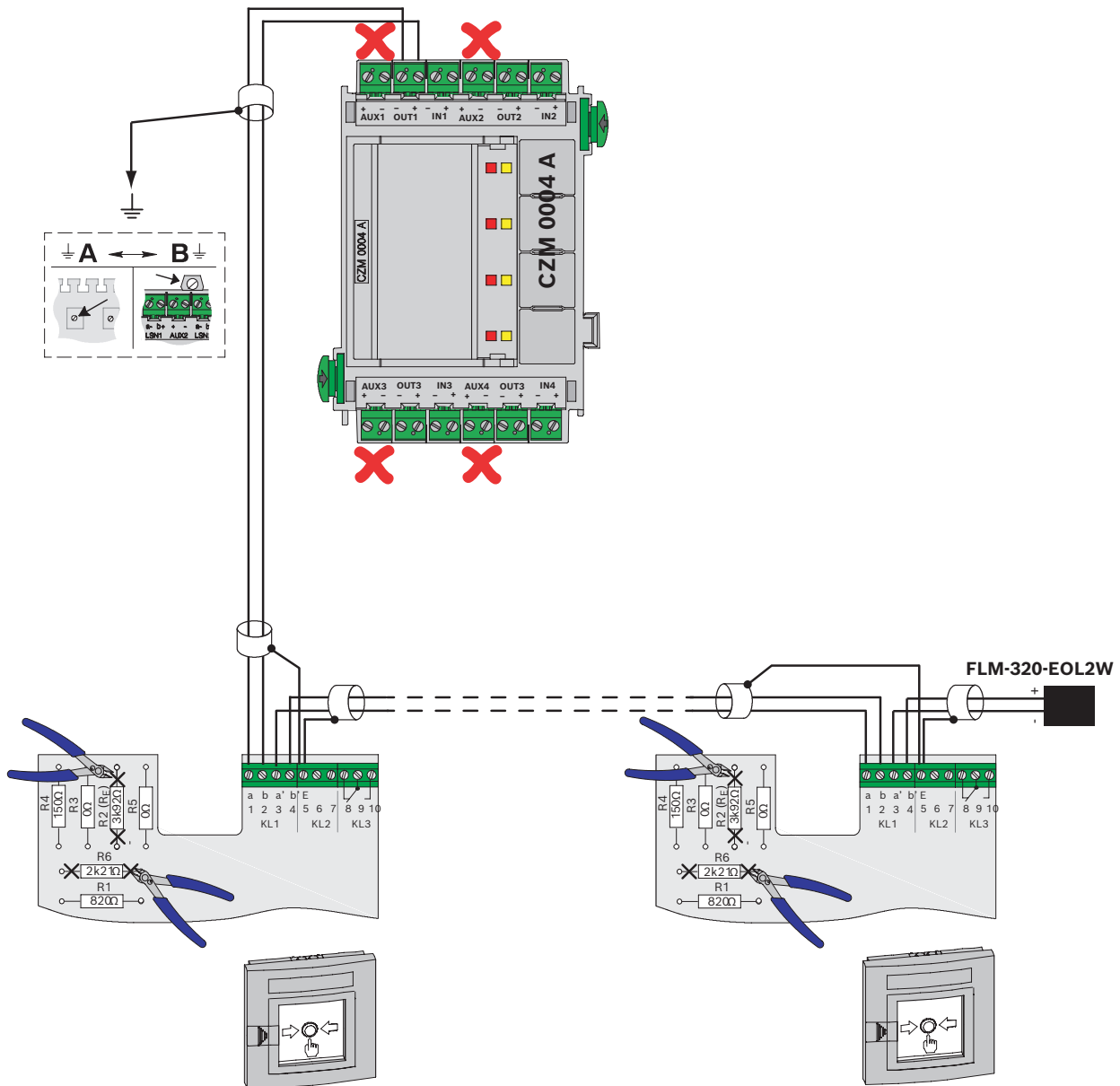


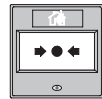
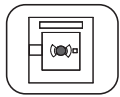


FMC-120-DKM-G-R  
 FMC-120-DKM-H-R  
 FMC-120-DKM-G-B  
 FMC-120-DKM-H-B  
 FMC-120-DKM-G-Y



ELS

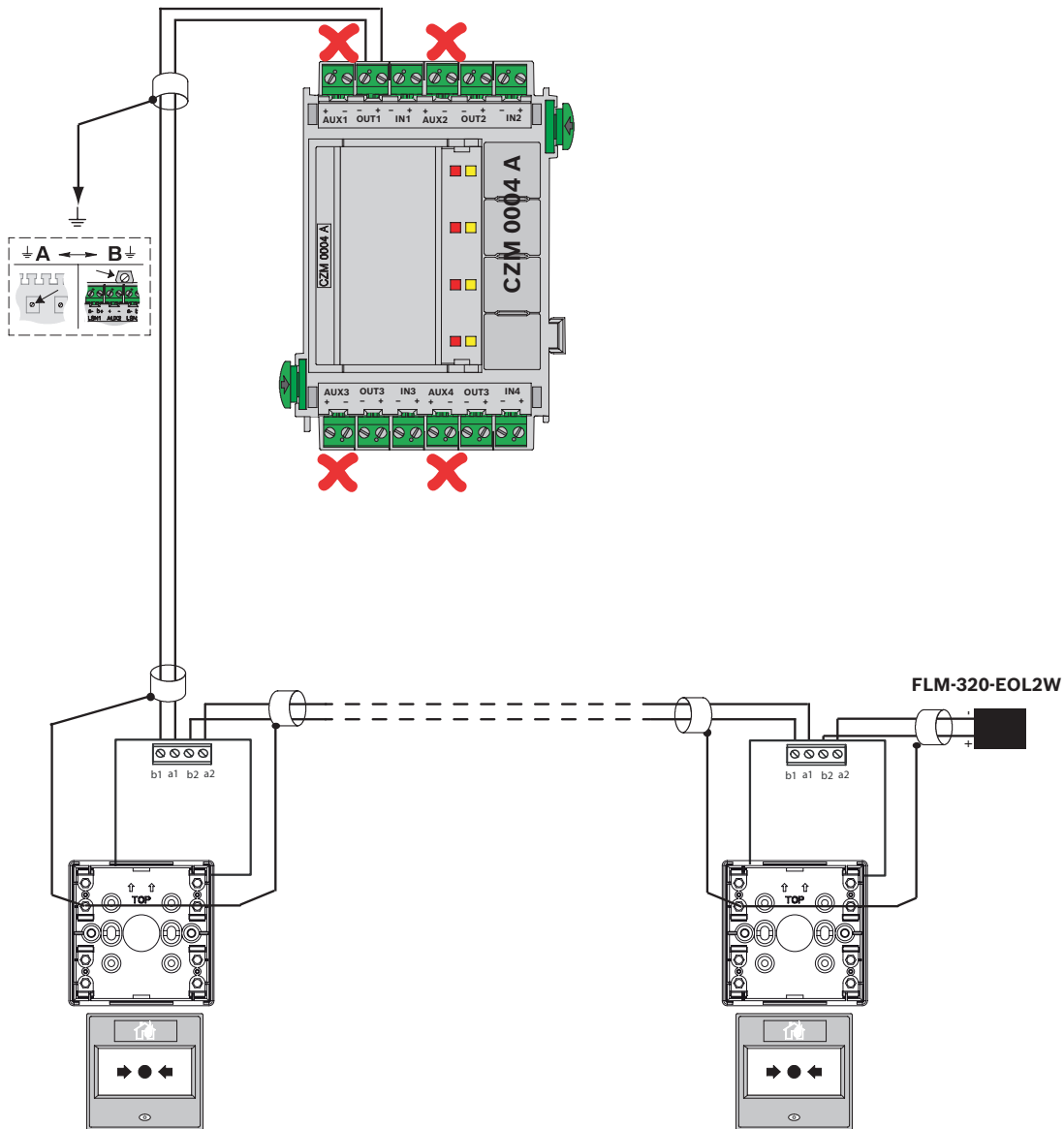




FMC-300RW-GSGBU  
 FMC-300RW-GSRBU  
 FMC-300RW-GSGRD  
 FMC-300RW-GSRRD  
 FMC-300RW-GSGYE  
 FMC-300RW-GSRYE

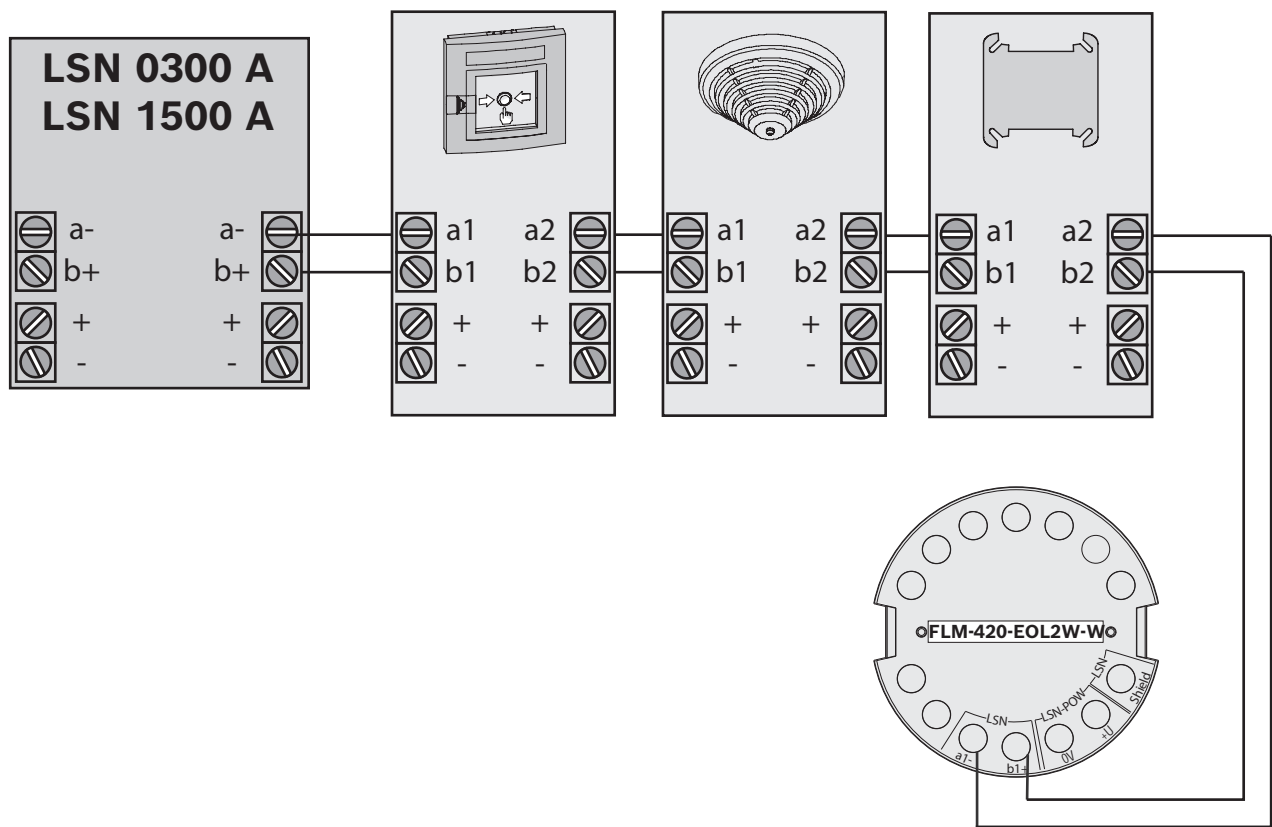
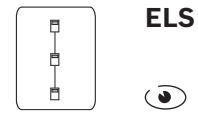


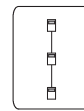
ELS



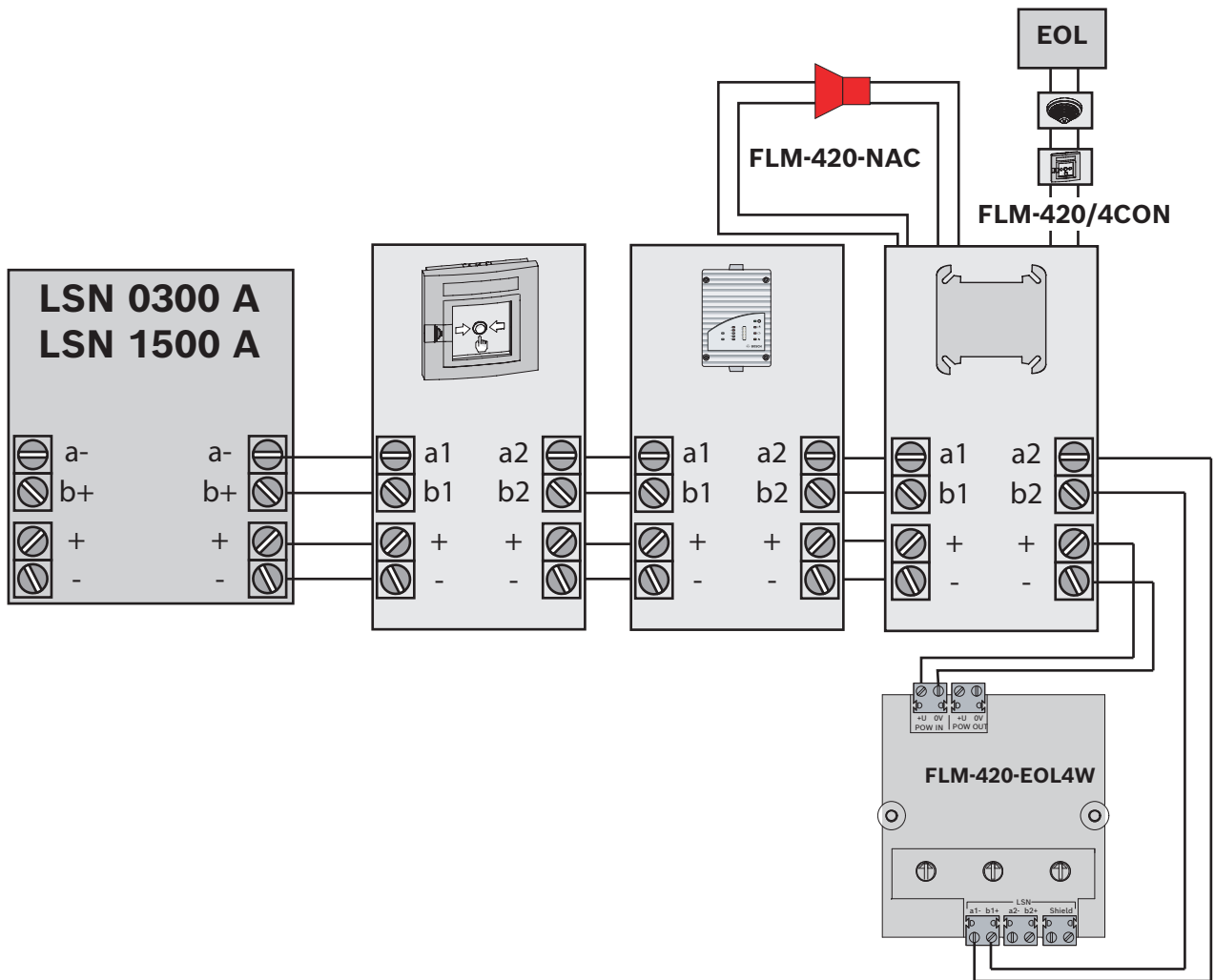


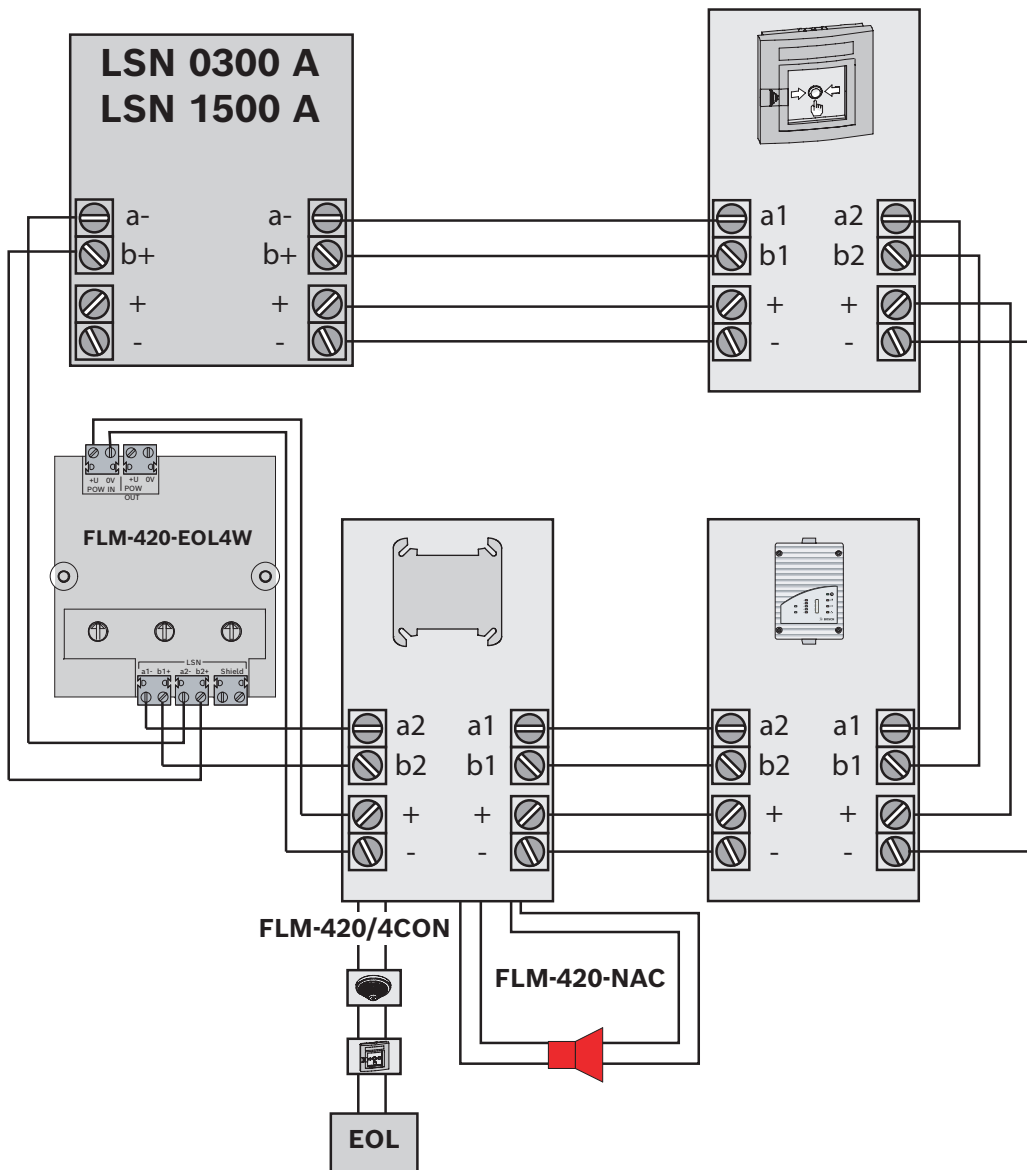
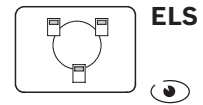
2.6.2 LSN 0300 A





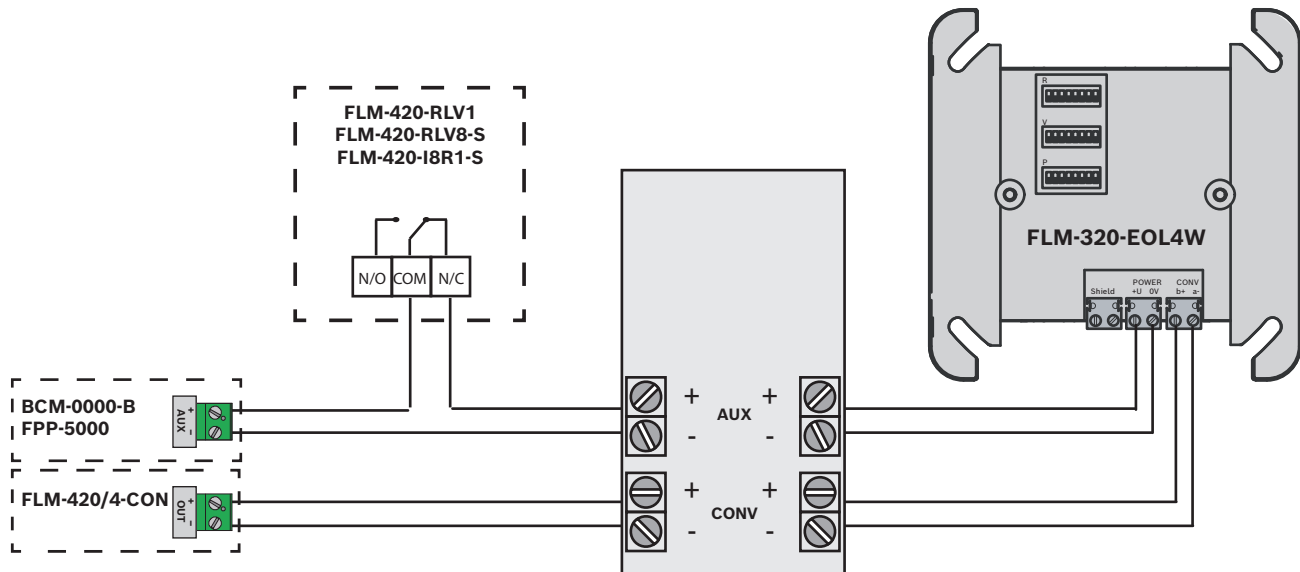
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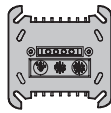
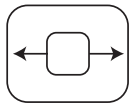




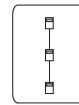
Reset action

ELS

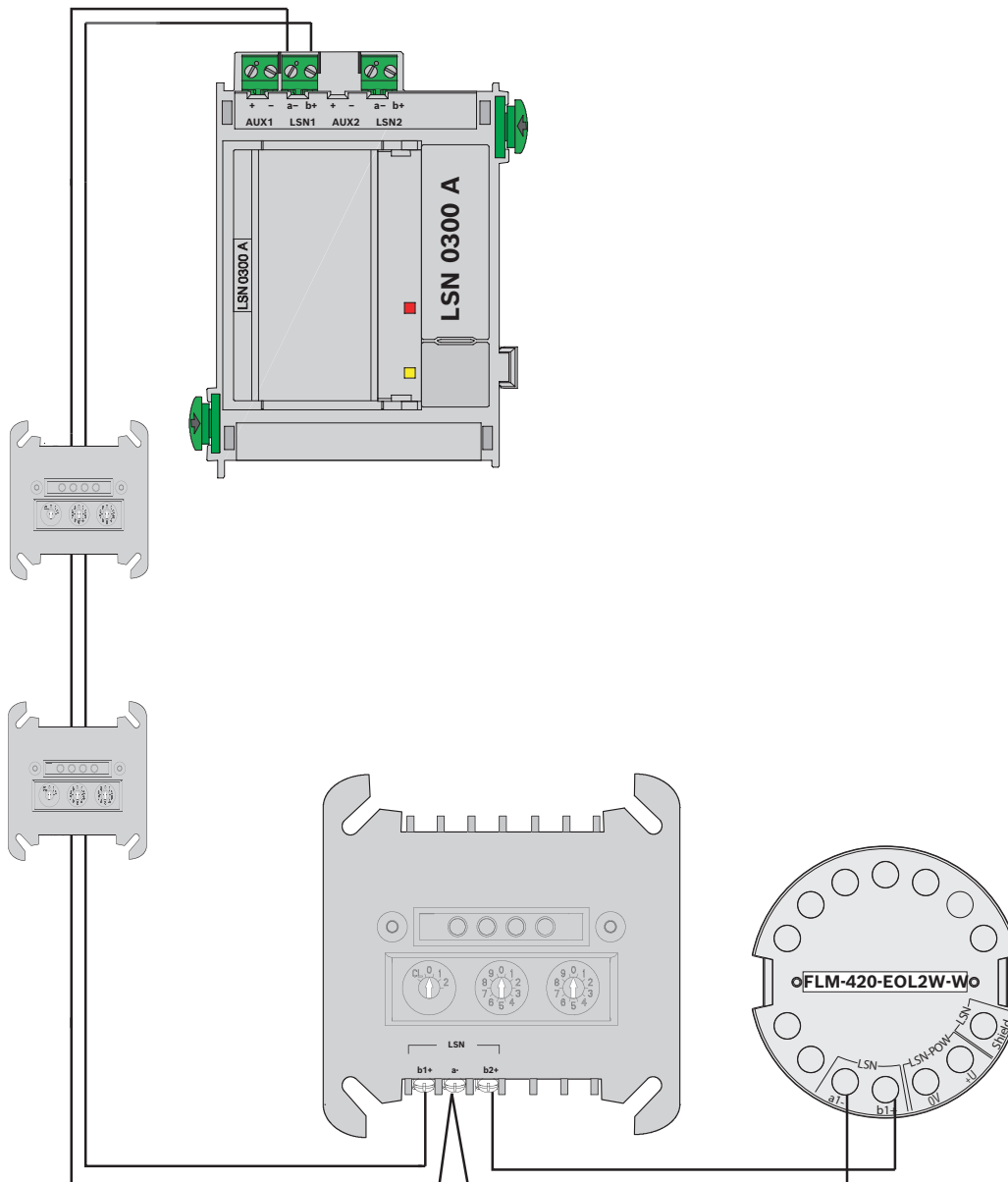


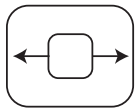


FLM-420-I2-D  
 FLM-420-O1I1-D  
 FLM-420-RHV-D/S  
 FLM-420-RLV1-D

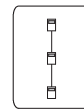


ELS

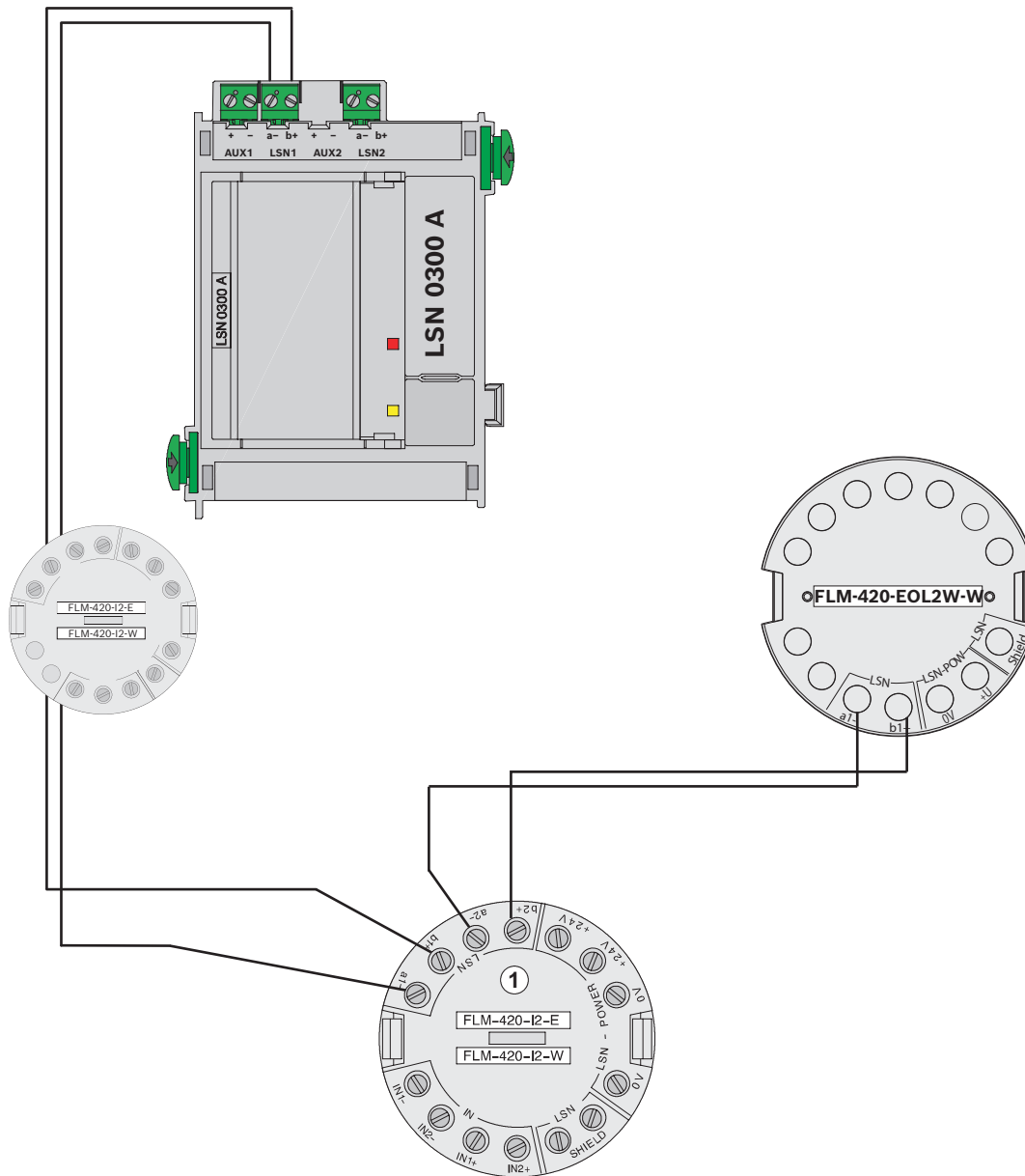


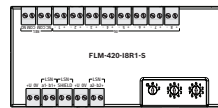
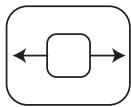


FLM-420-12-E/W

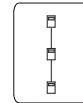


ELS

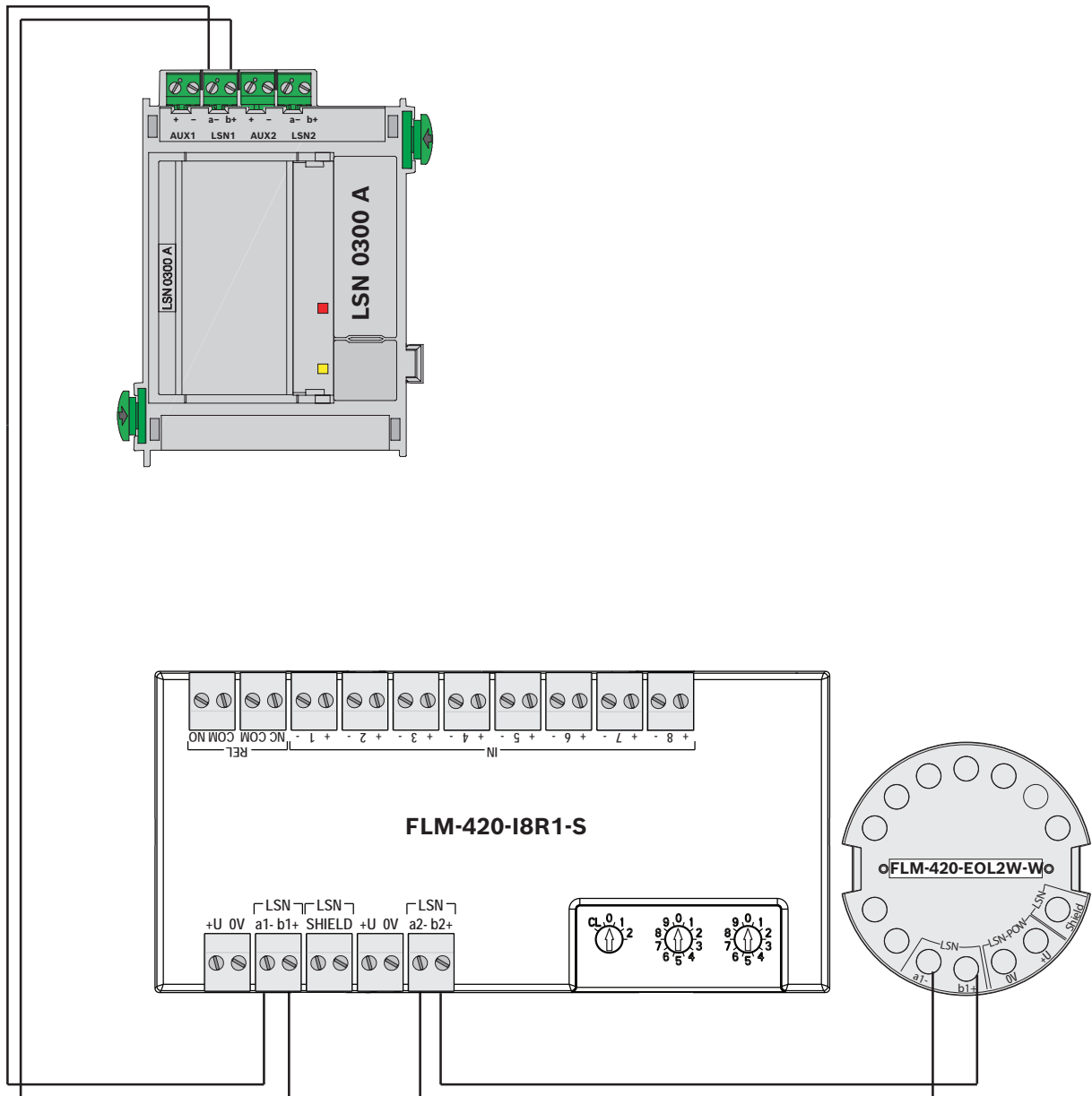


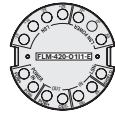
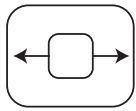


**FLM-420-18R1-S**

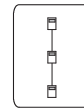


**ELS**

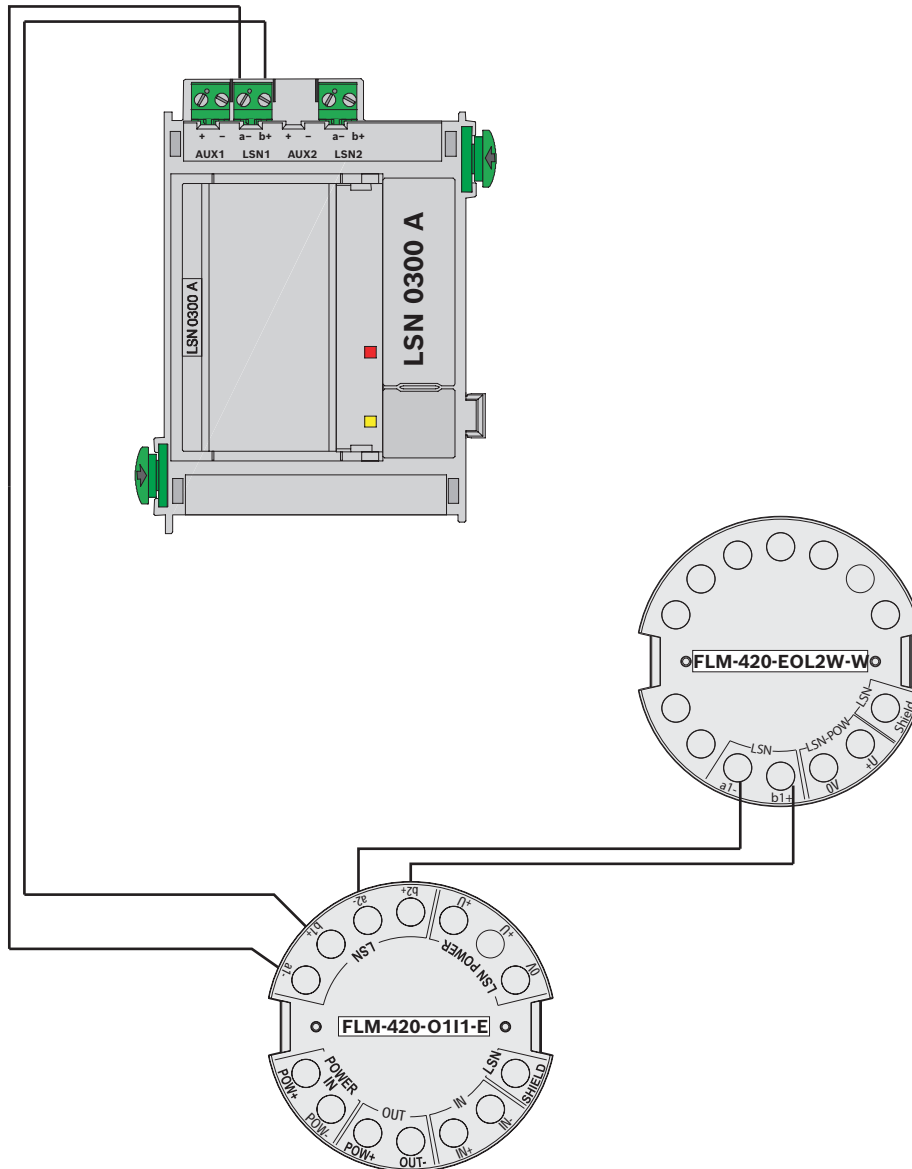




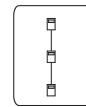
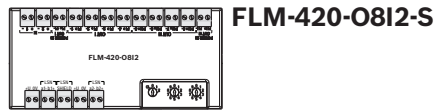
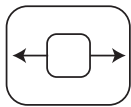
FLM-420-O1I1-E



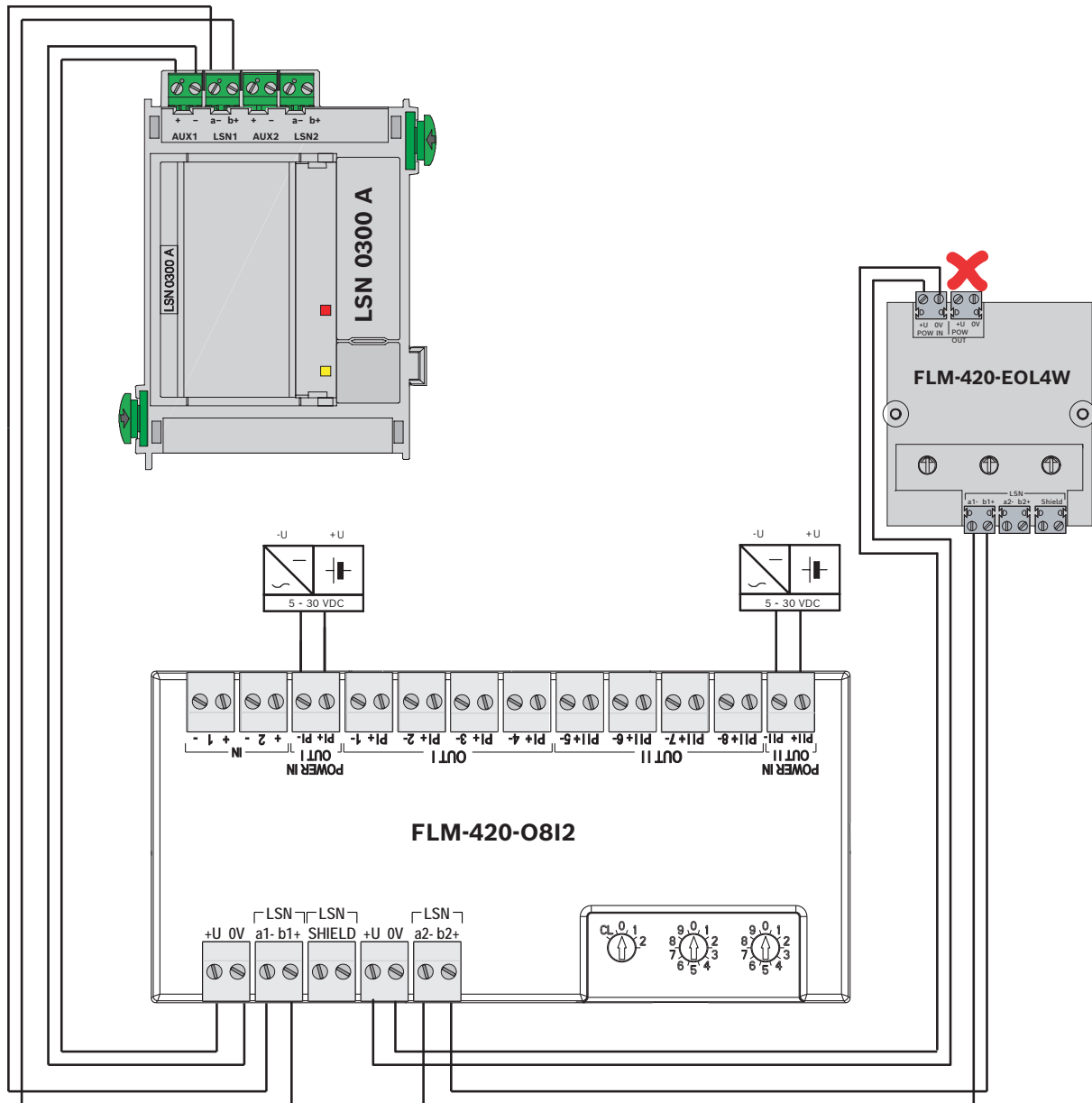
ELS

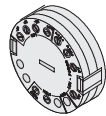
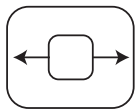




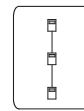


ELS

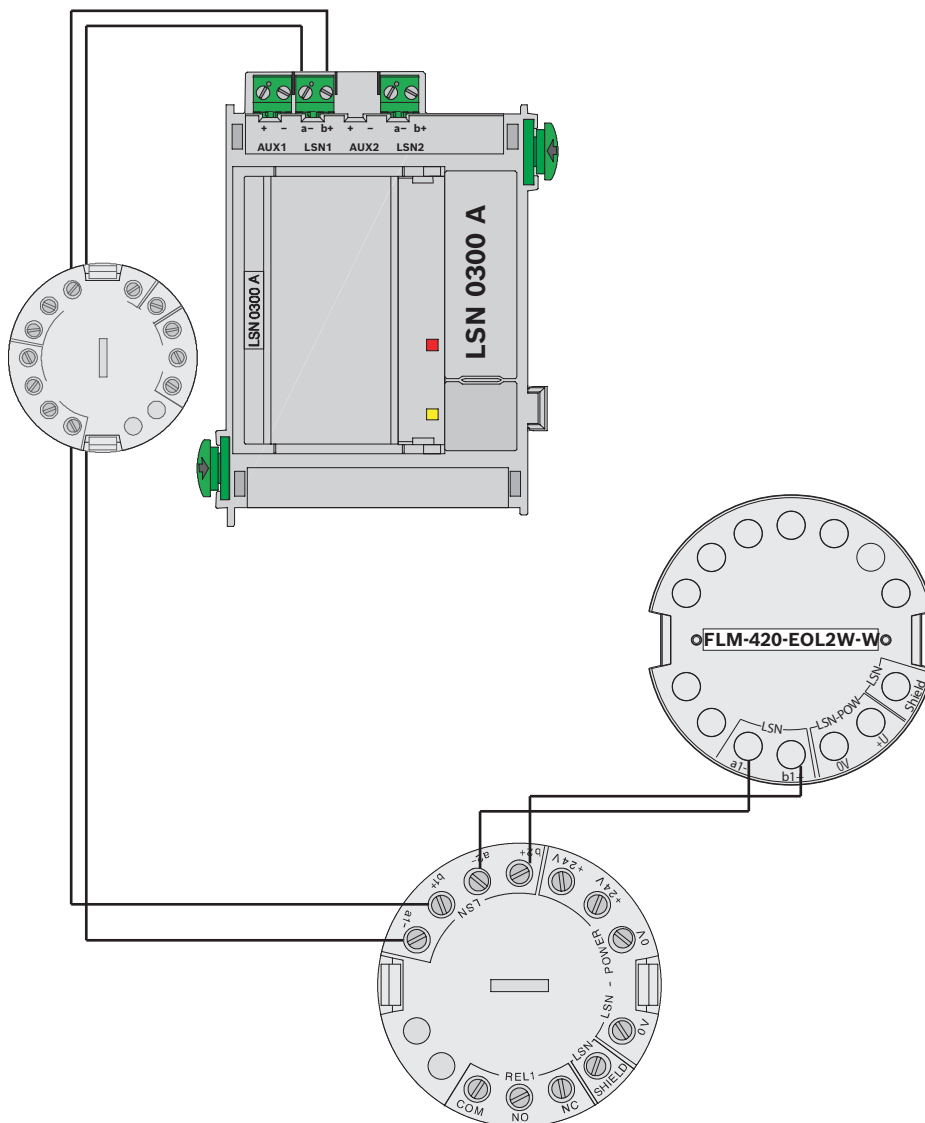


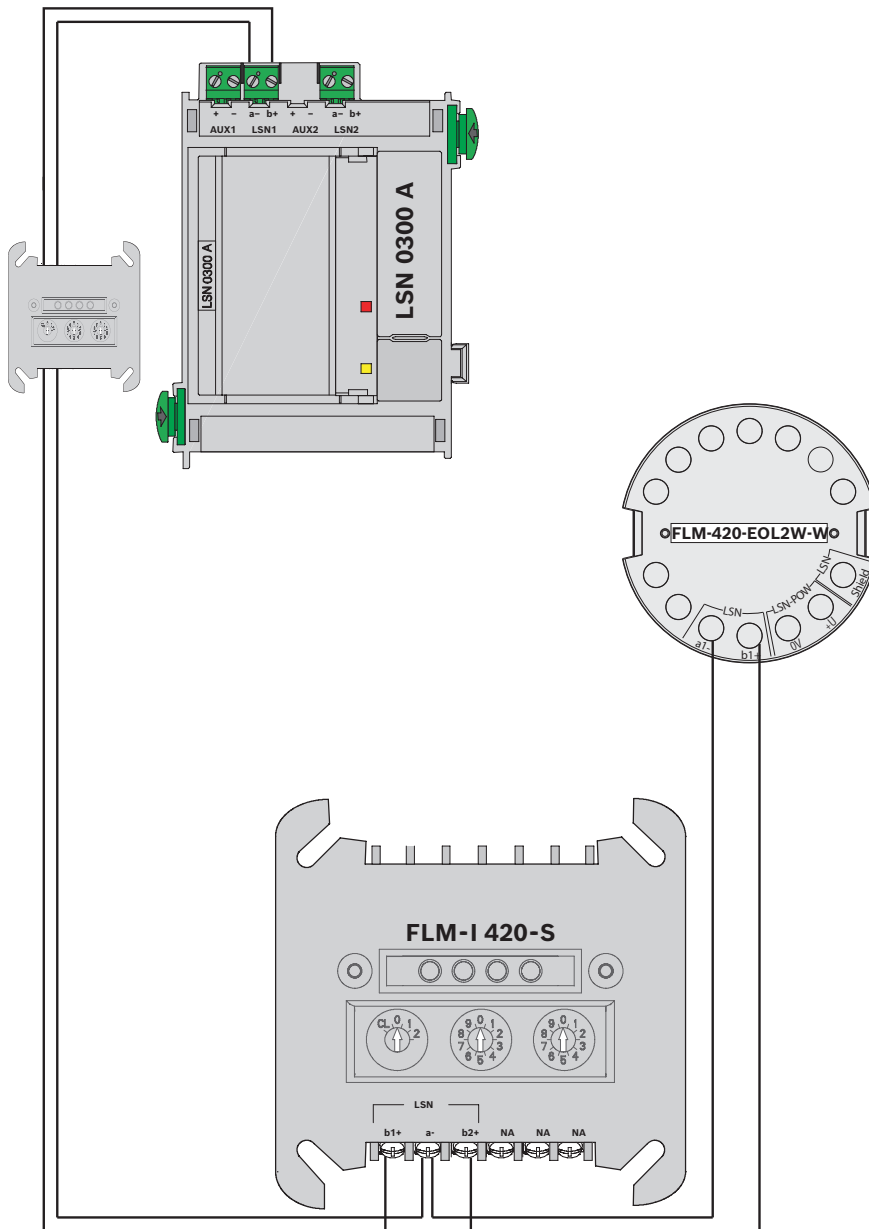
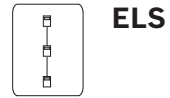
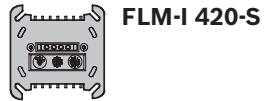
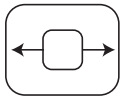


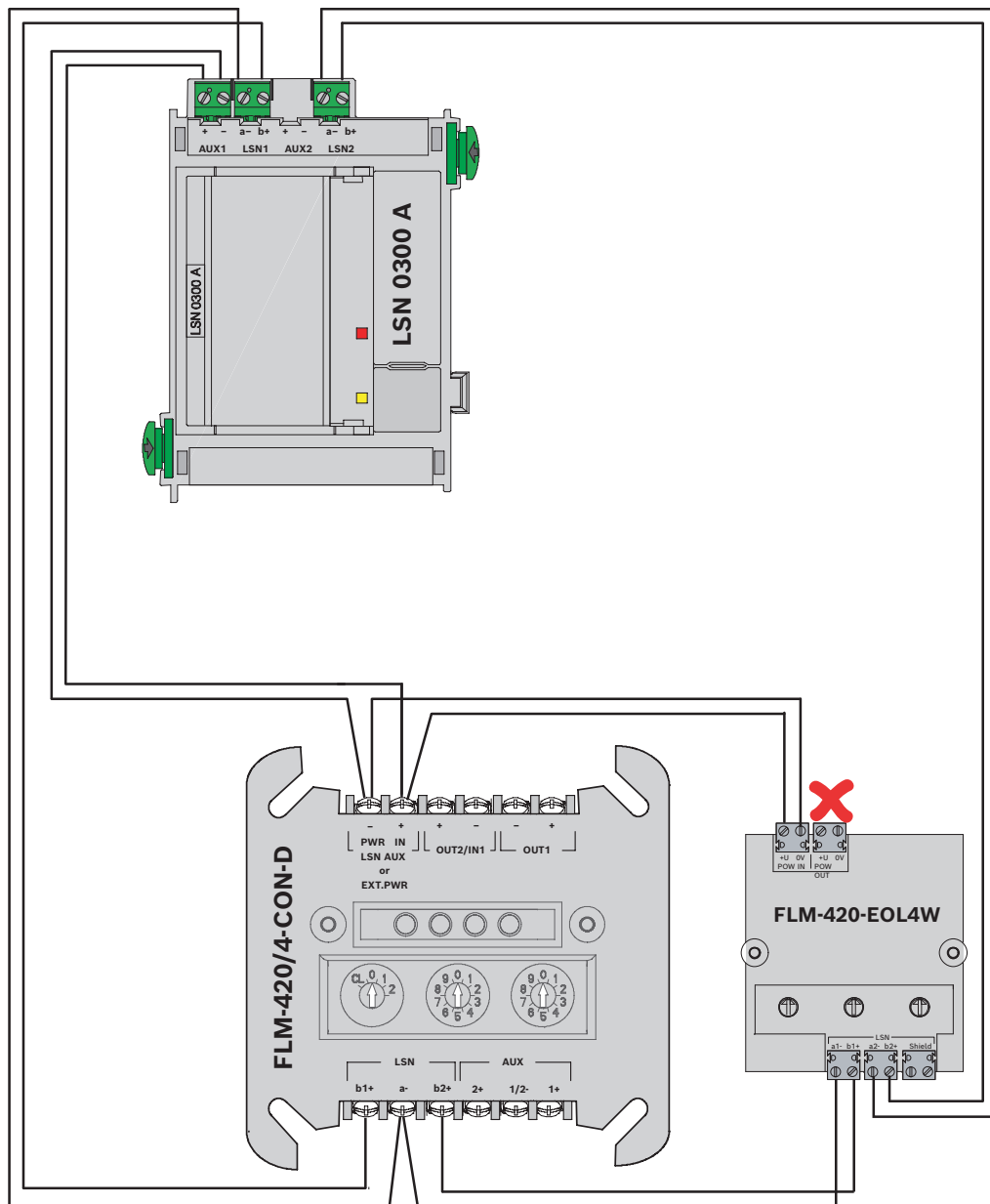
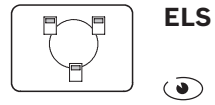
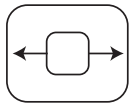
**FLM-420-I2-E/-W**  
**FLM-420-RLV1-E**

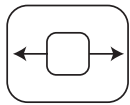


**ELS**

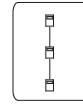




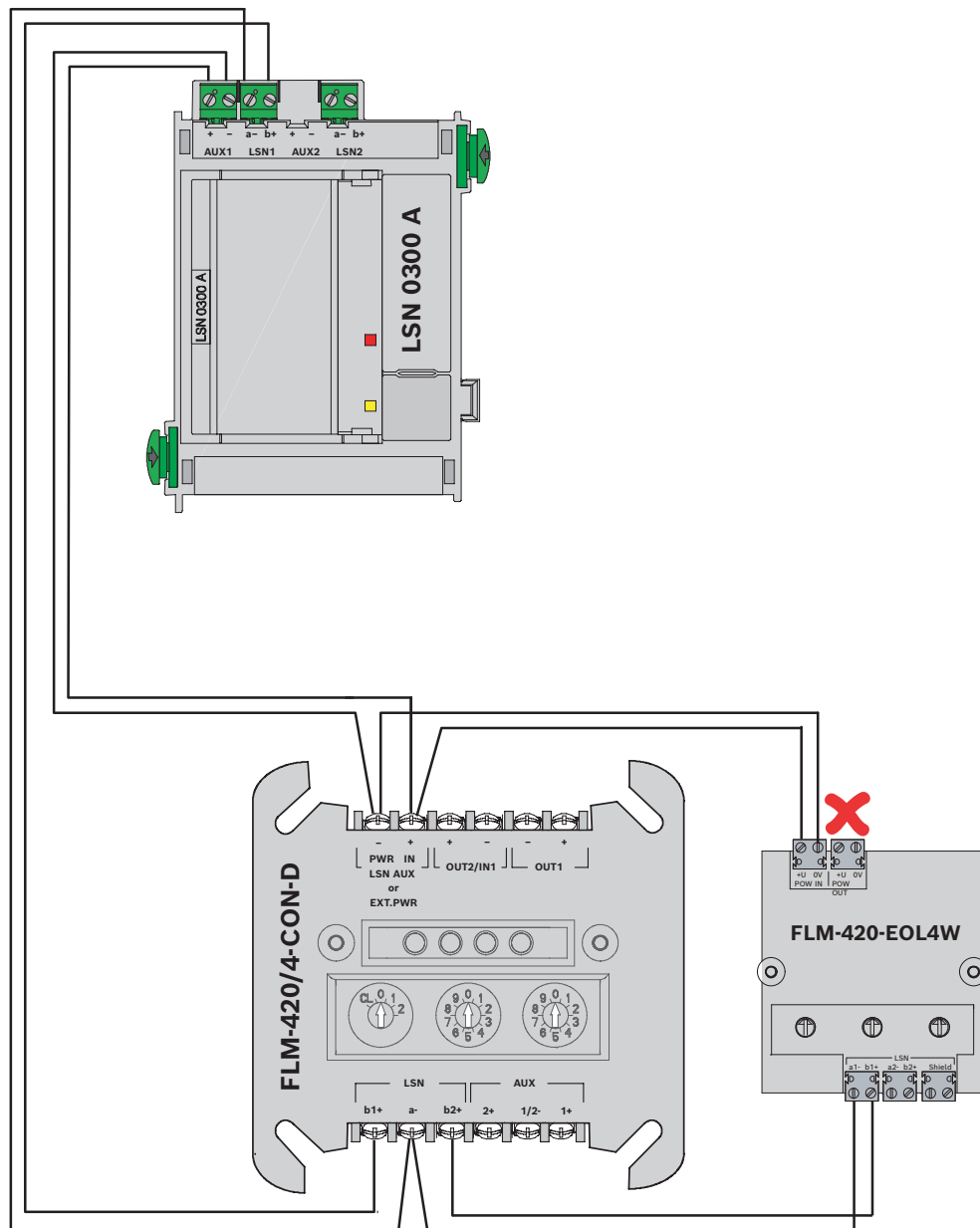


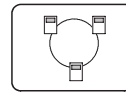
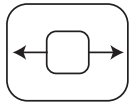


**FLM-420/  
4-CON-D**

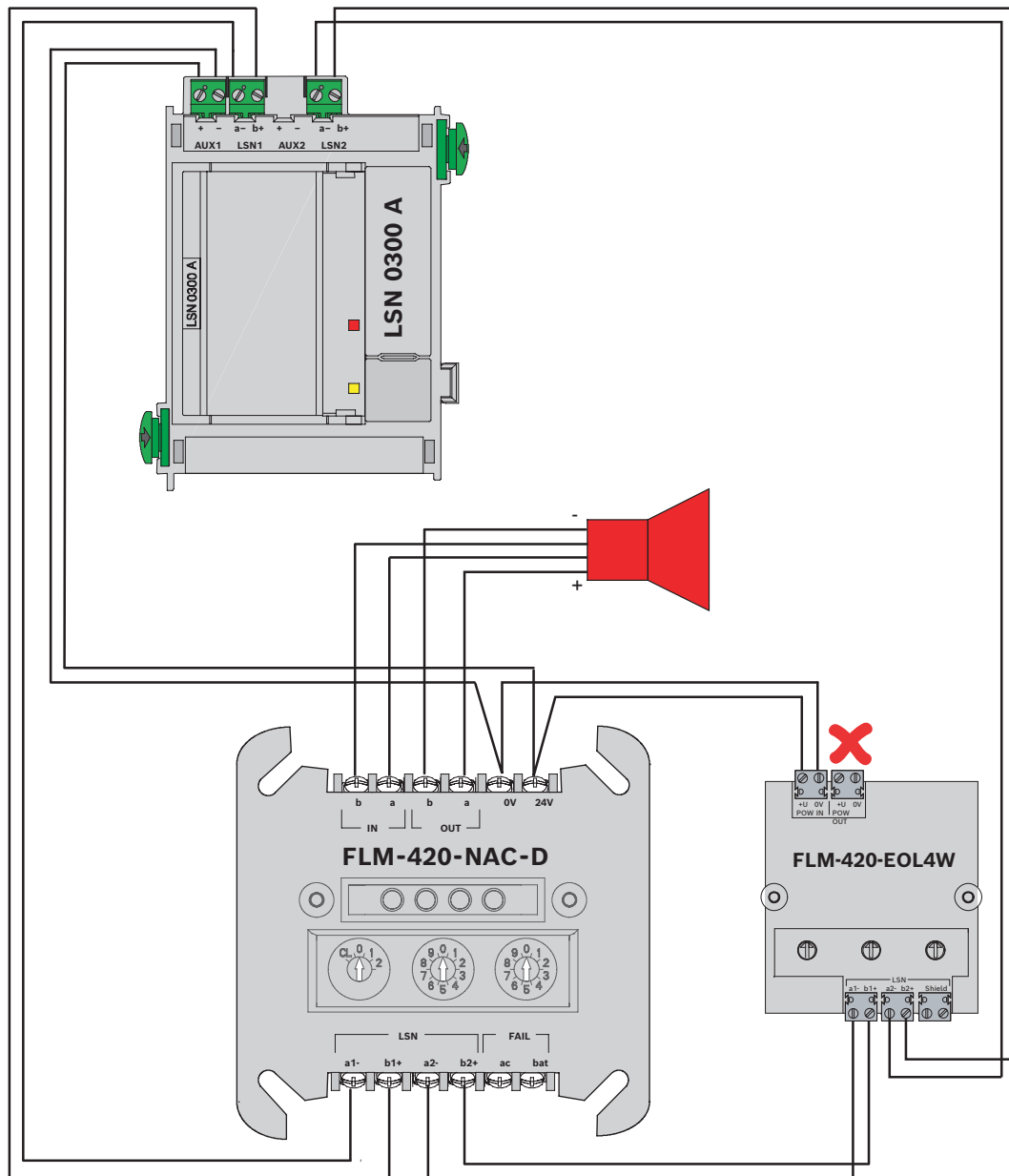


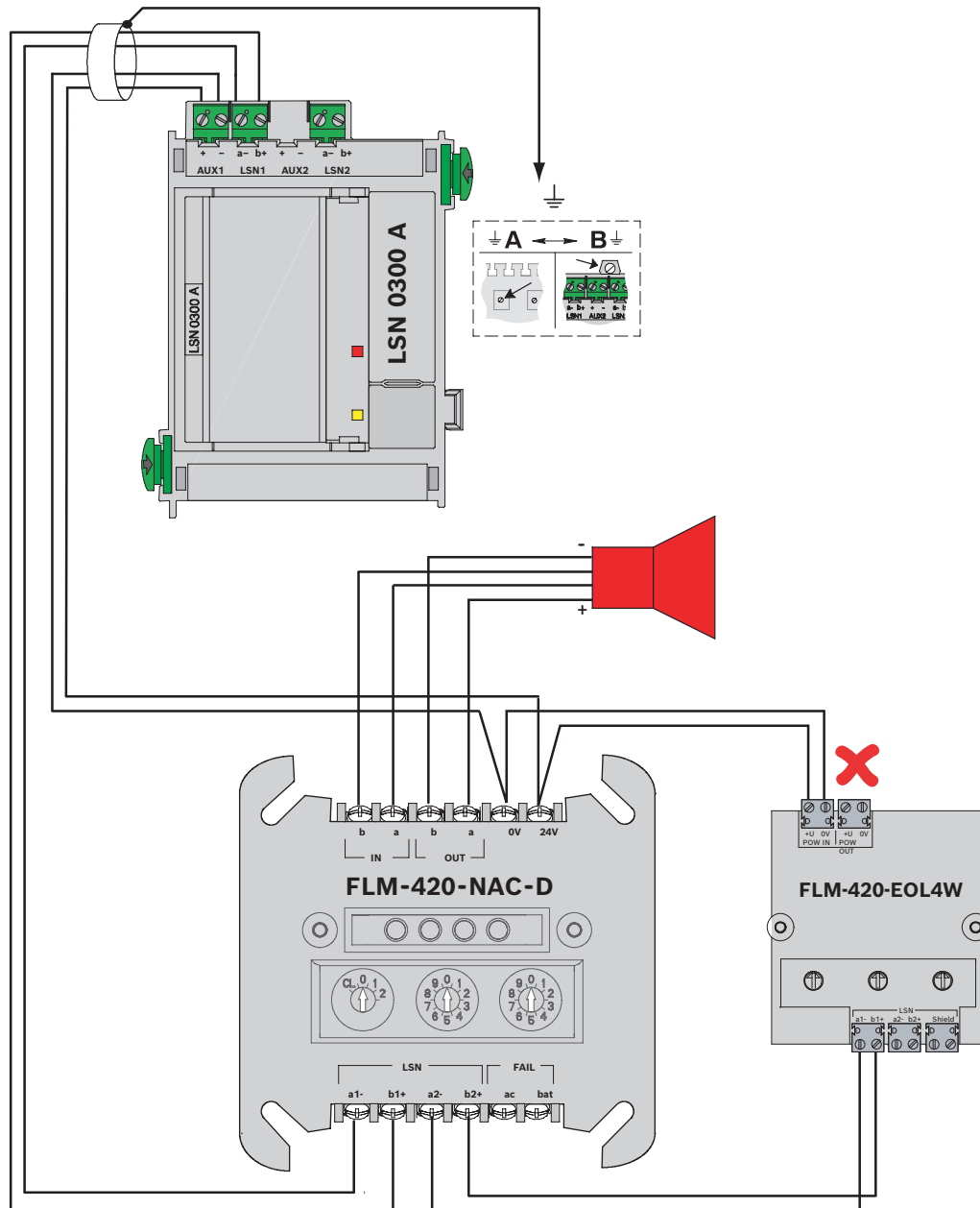
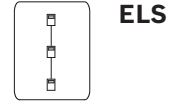
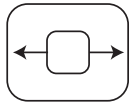
**ELS**

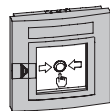
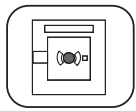




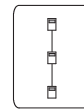
ELS  
EN 54-2



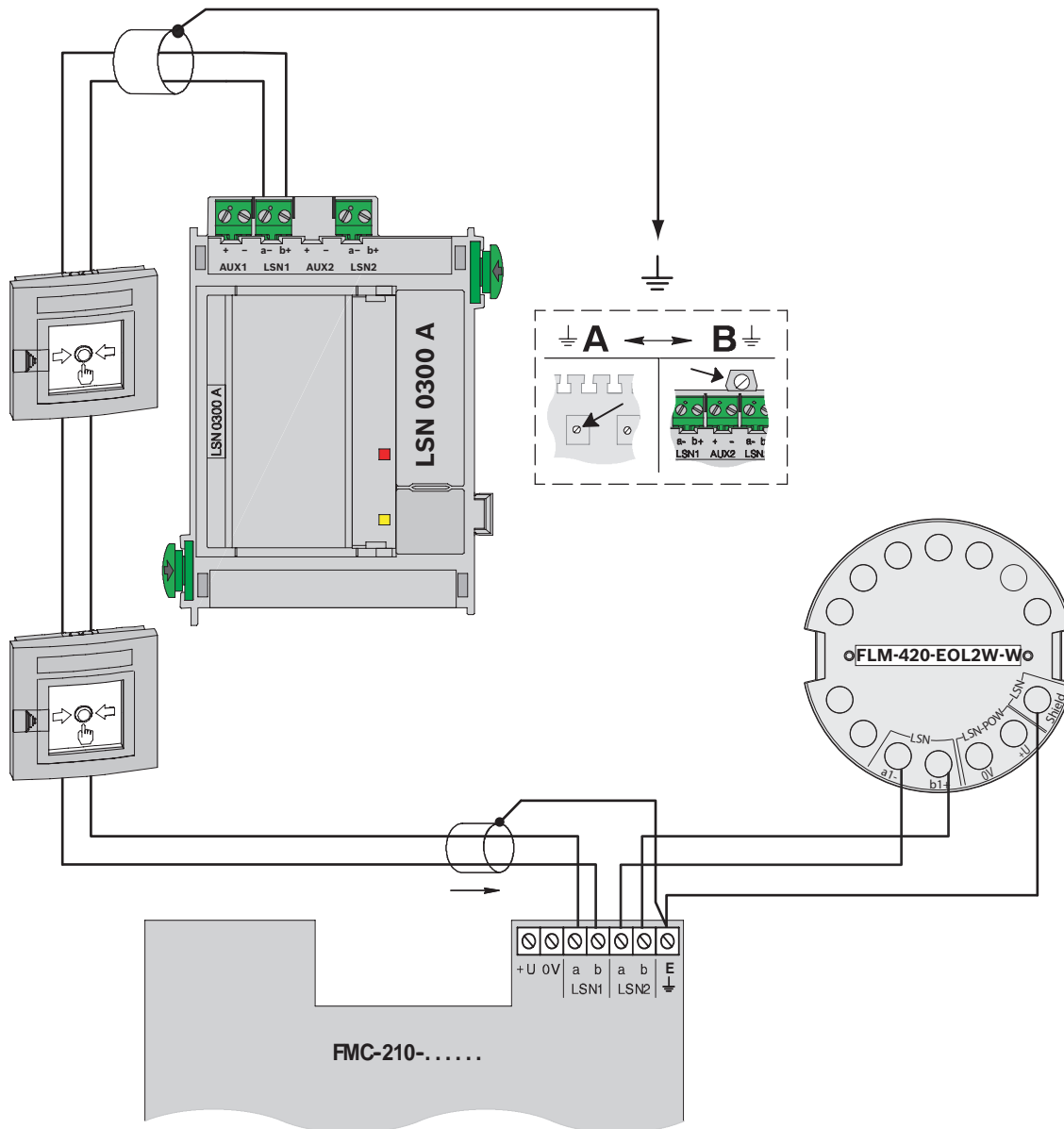




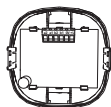
FMC-210...



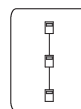
ELS



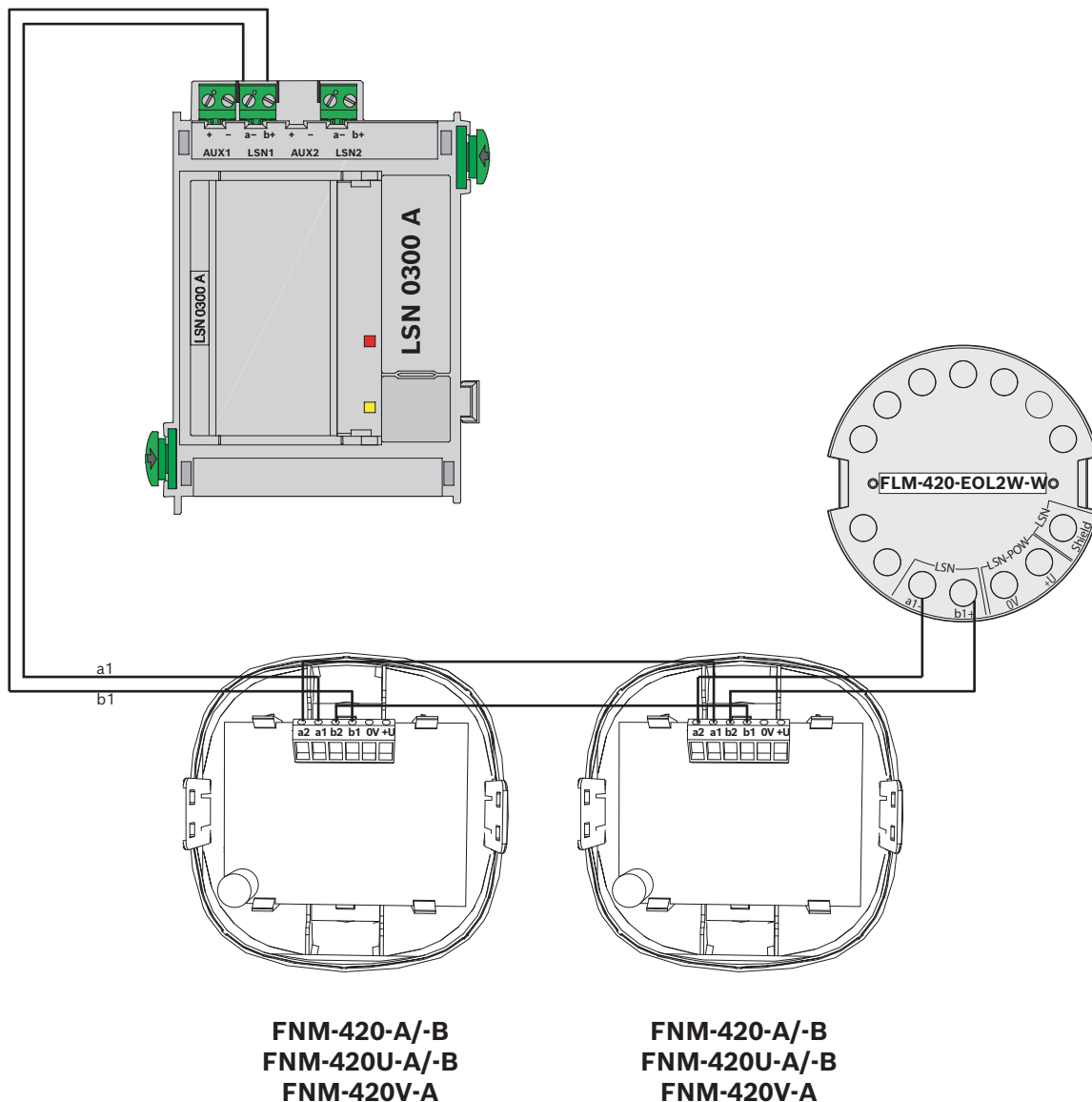




**FNM-420-A /-B**  
**FNM-420U-A /-B**  
**FNM-420V-A**



**ELS**

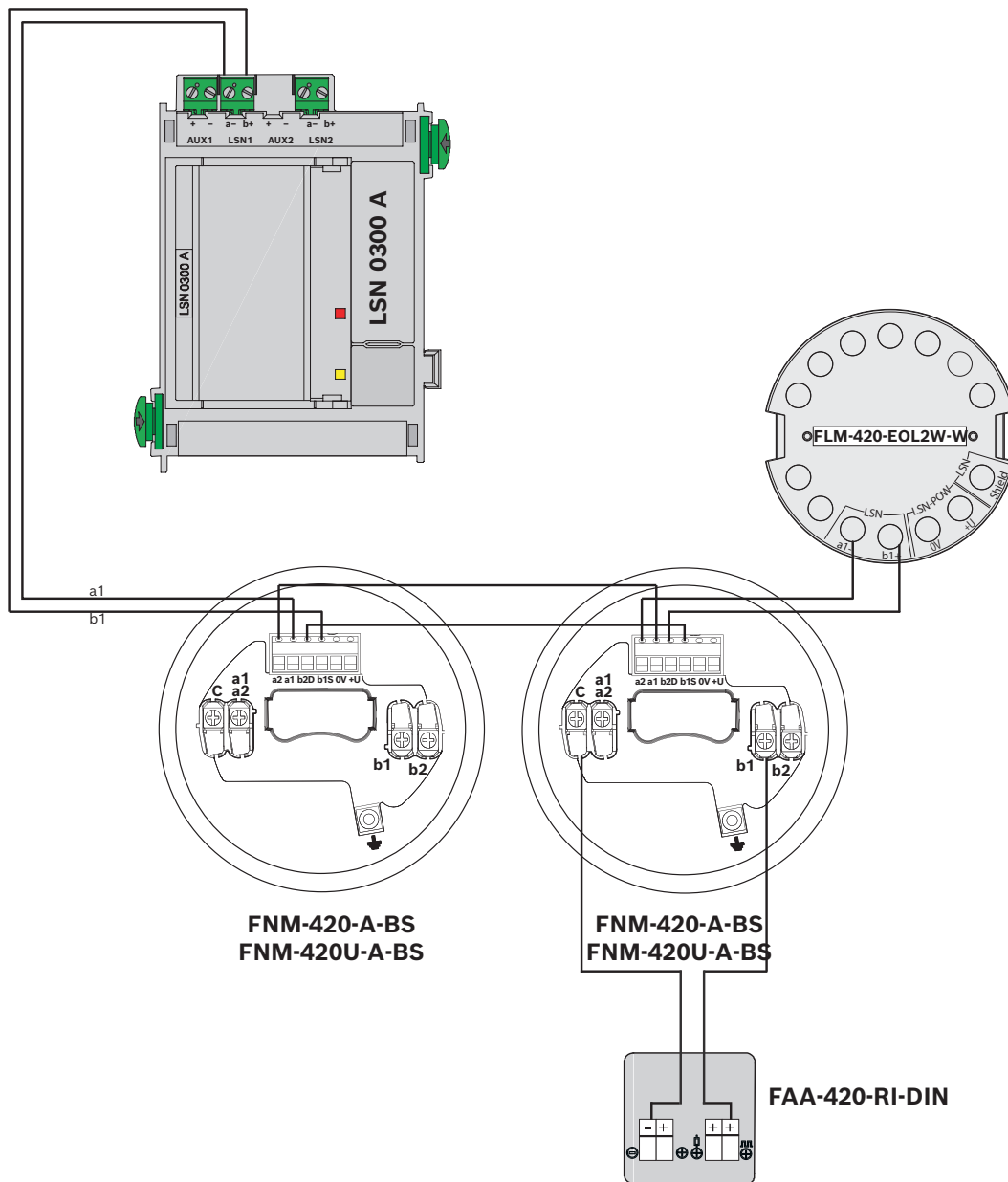




**FNM-420-A-BS**  
**FNM-420U-A-BS**



**ELS**

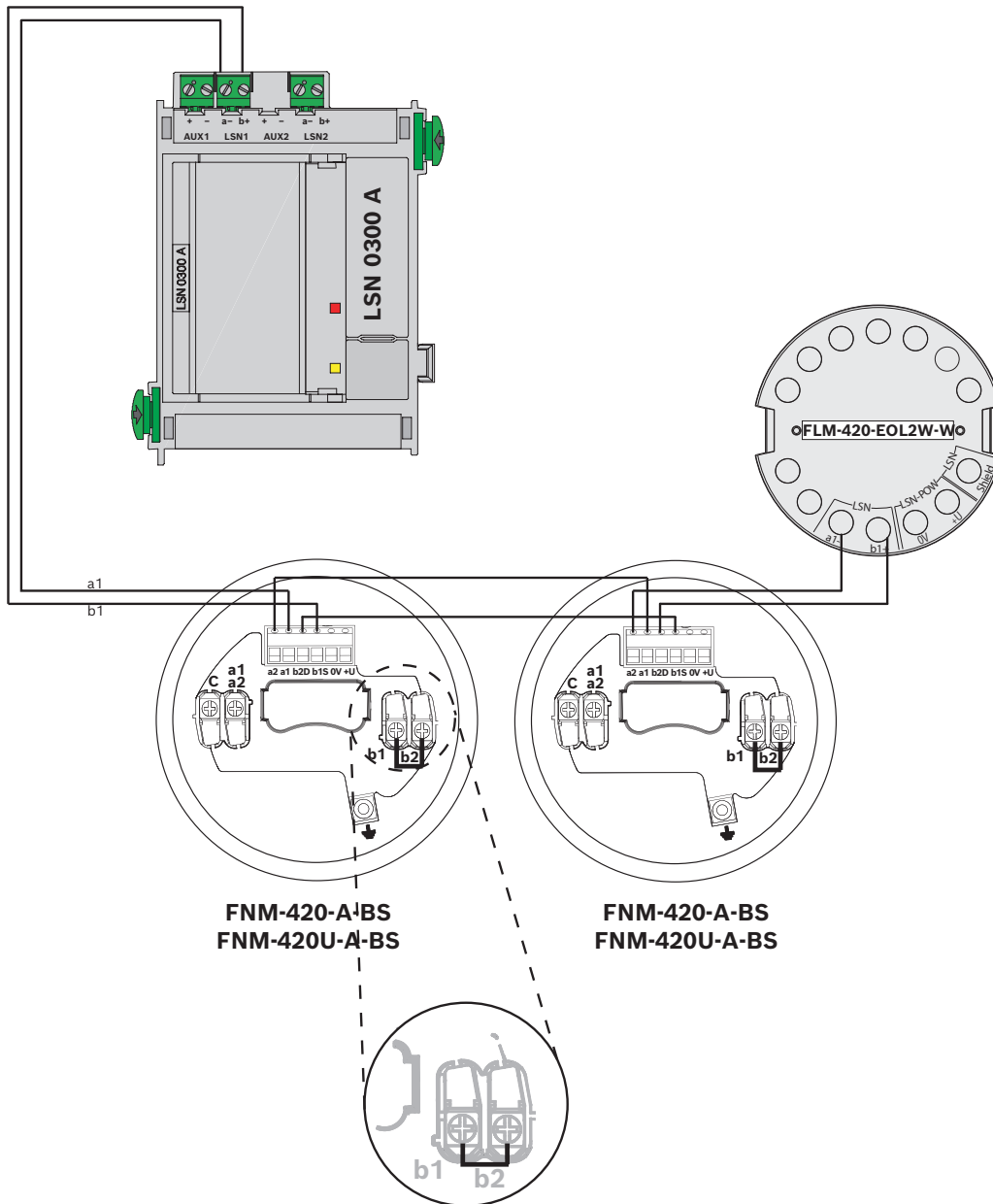


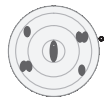


**FNM-420-A-BS**  
**FNM-420U-A-BS**



**ELS**

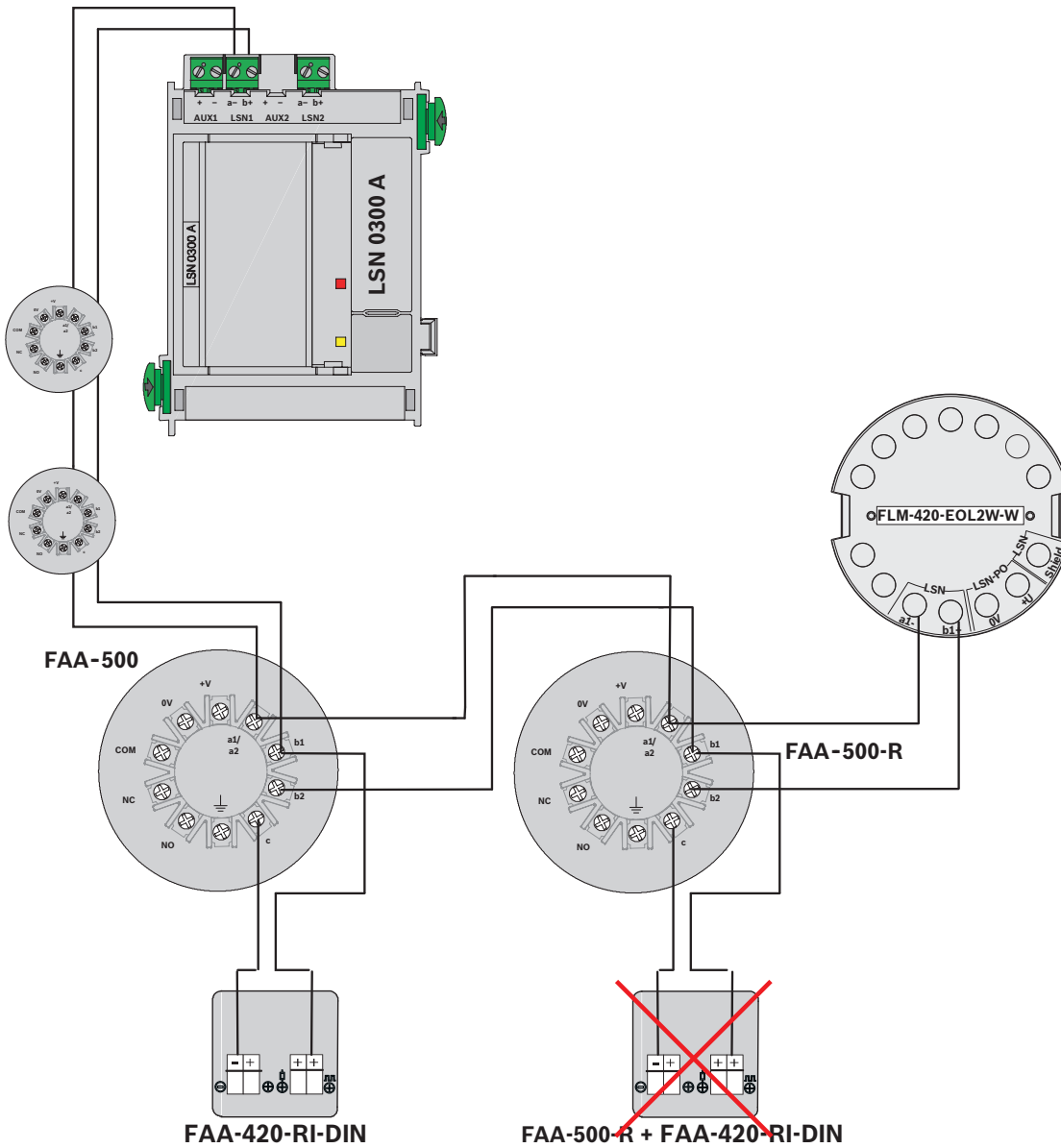


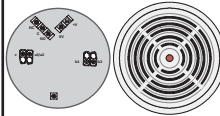


FAP-0520  
FAP-0520-P  
FAP-OC520  
FAP-OC-520-P

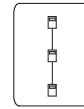


ELS

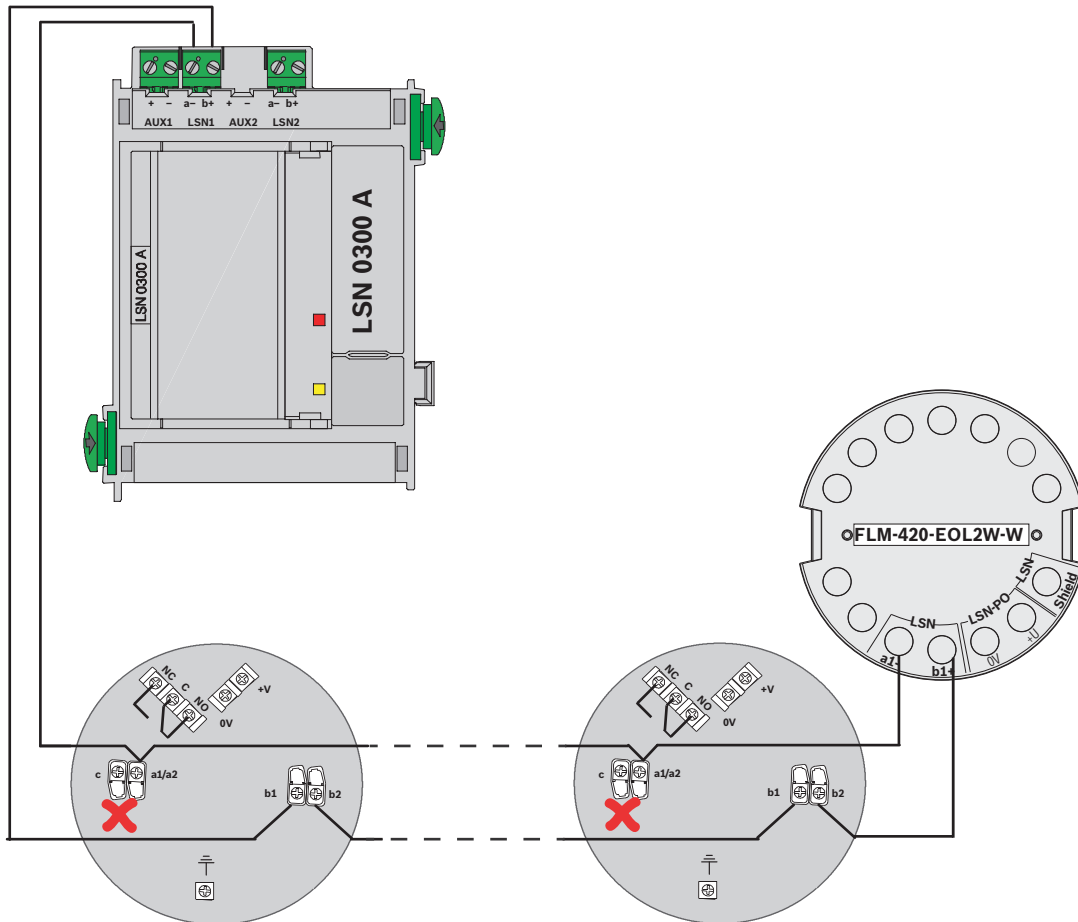


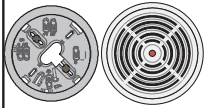


**FAA-MSR-420**  
**FAP-425-O, FAP-425-O-R**  
**FAP-425-OT, FAP-425-OT-R**  
**FAP-425-T-R**  
**FAP-425-DO-R, FAP-425-DOT-R**  
**FAP-425-DOTC-R, FAP-425-DOTCO-R**

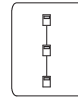


**ELS**

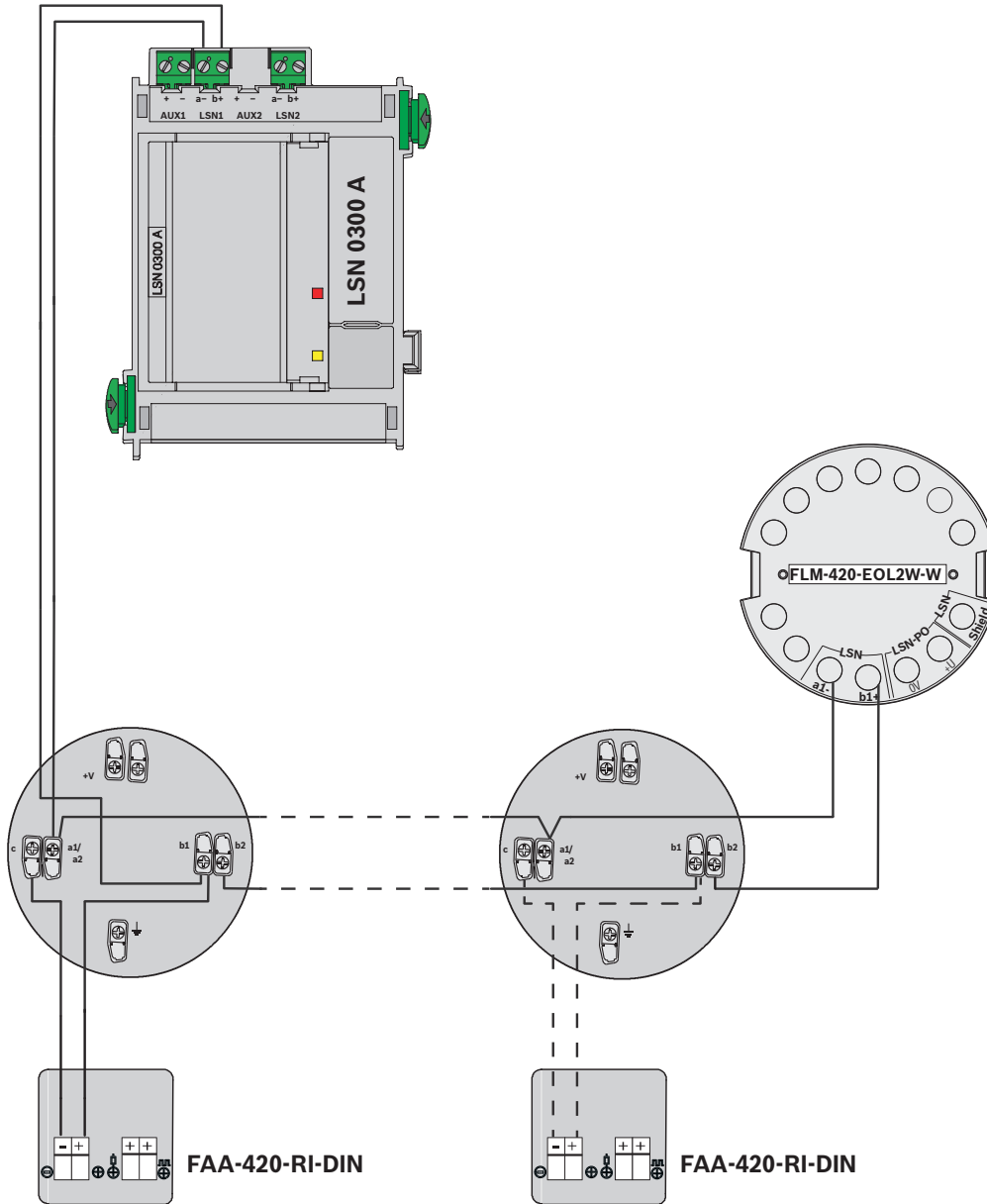


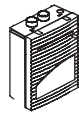


MS 400, MS 400 B  
 FAP-425-O, FAP-425-O-R  
 FAP-425-OT, FAP-425-OT-R  
 FAP-425-T-R  
 FAP-425-DO-R, FAP-425-DOT-R  
 FAP-425-DOTC-R, FAP-425-DOTCO-R

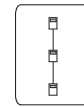


ELS

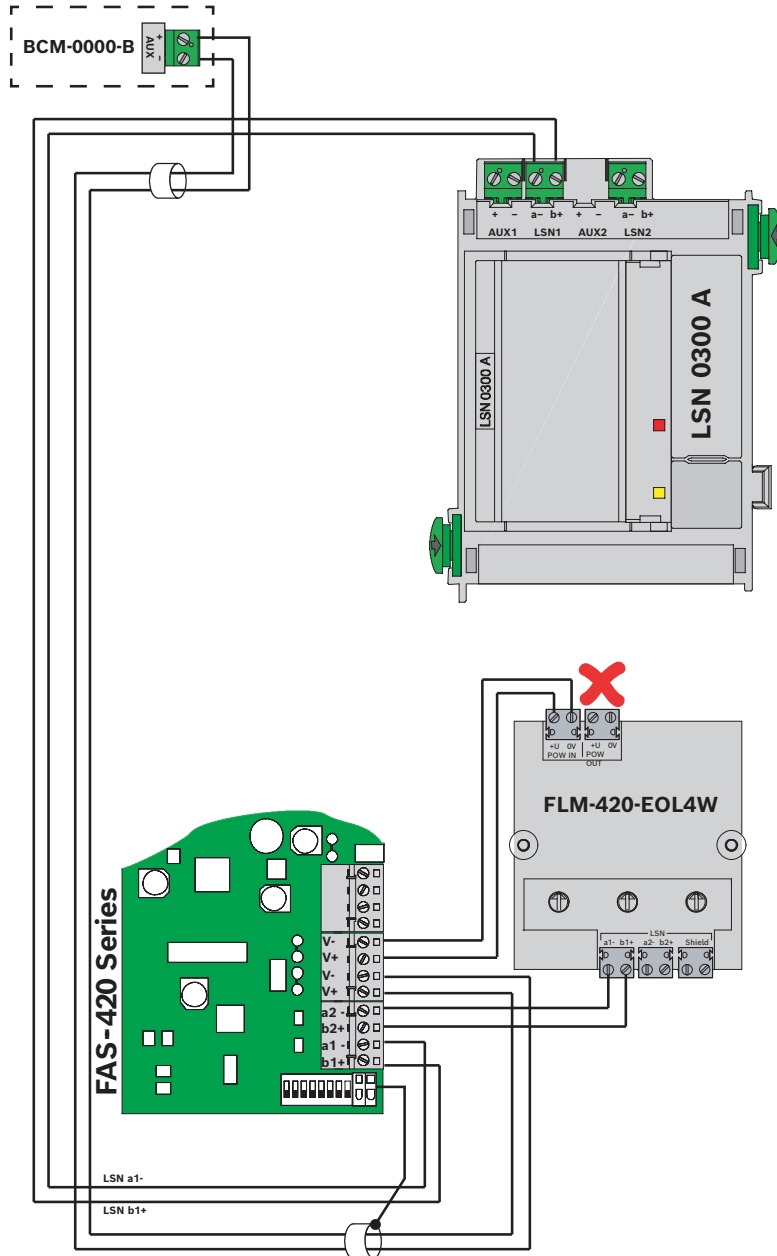


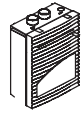


FAS-420 Series

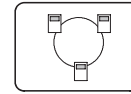


ELS

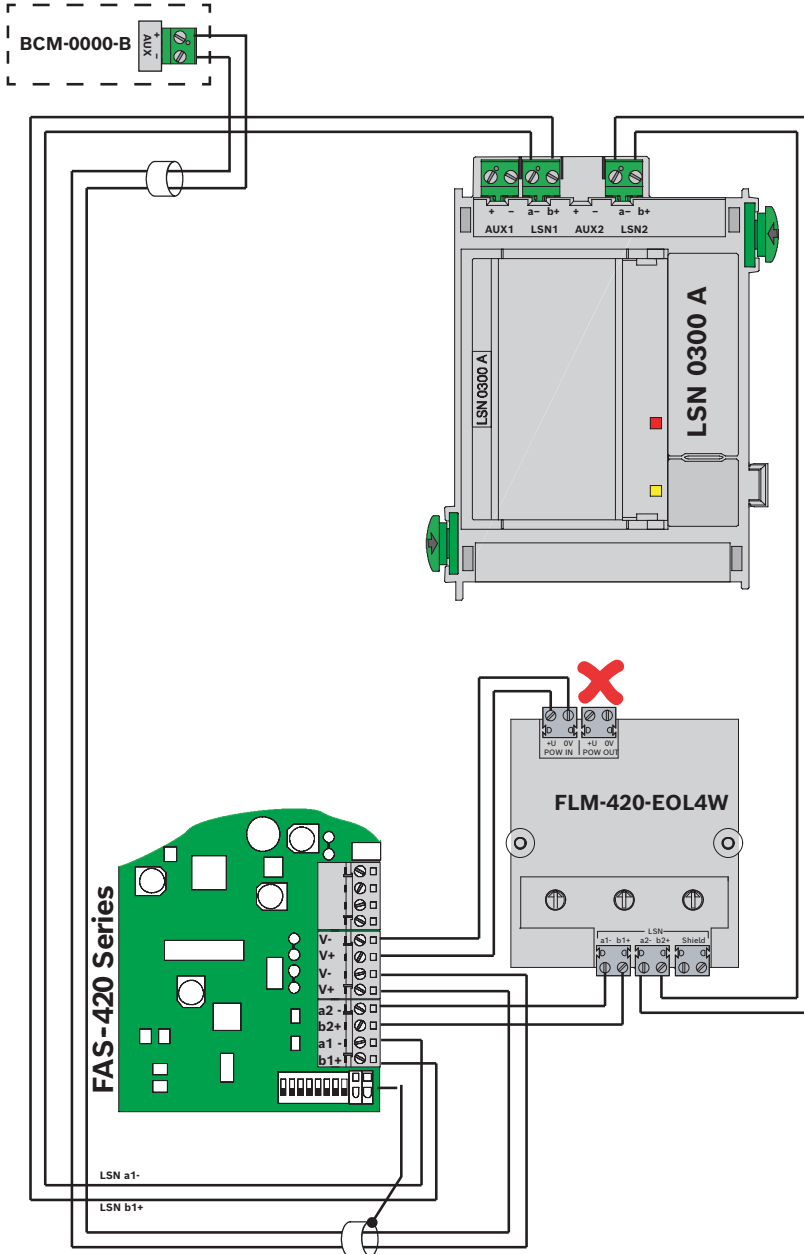




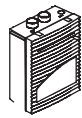
FAS-420 Series



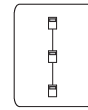
ELS



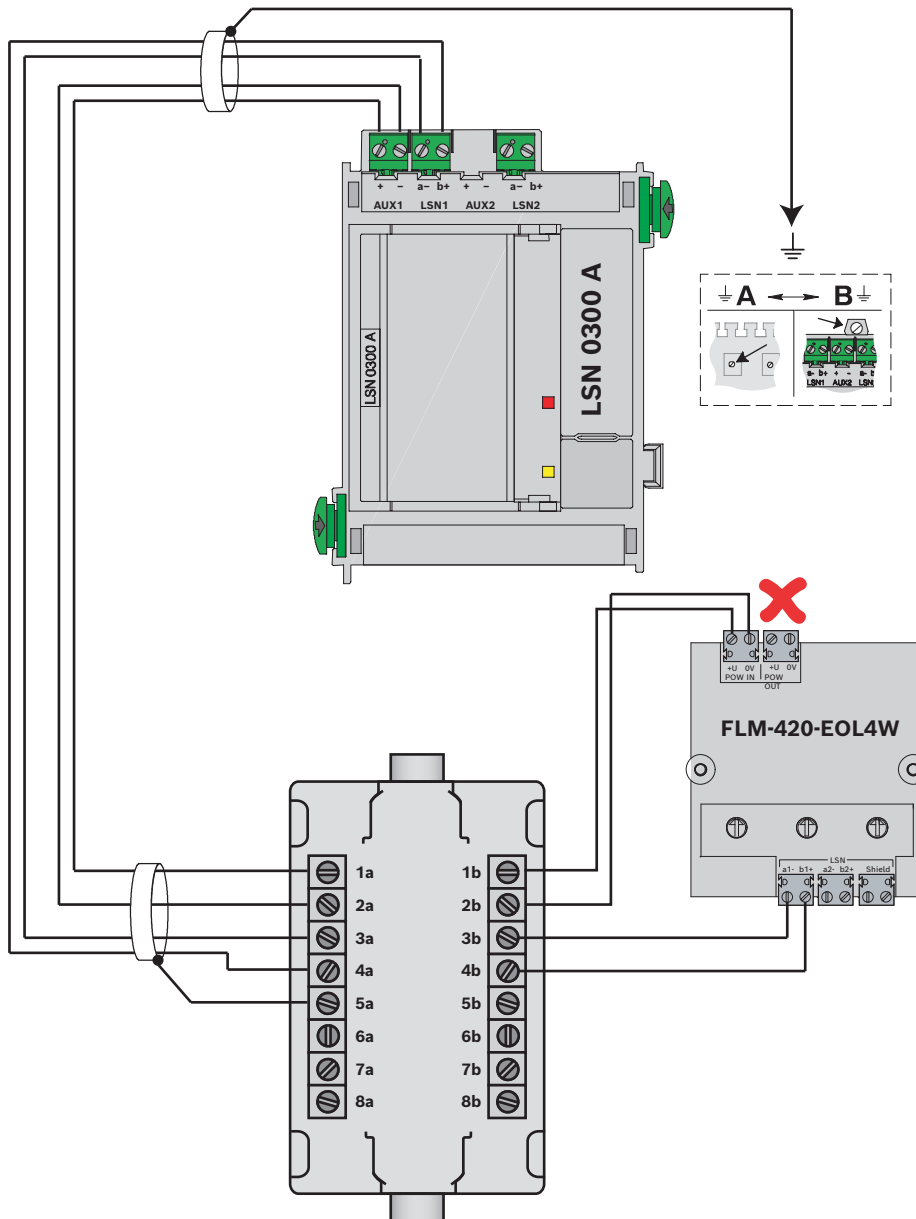


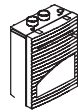


FAS-420-TM Series

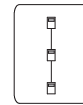


ELS

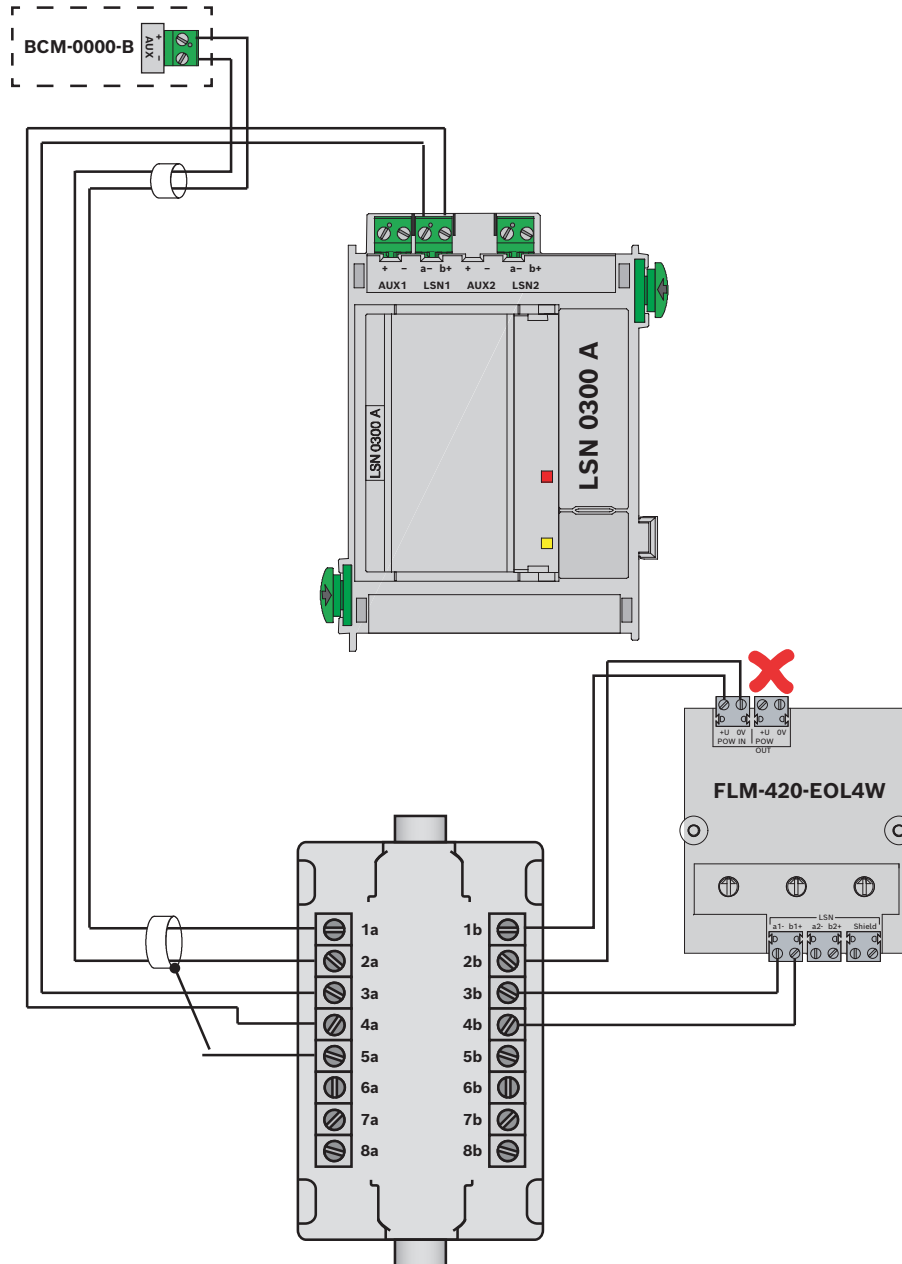


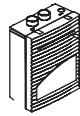


FAS-420-TM Series

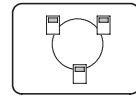


ELS

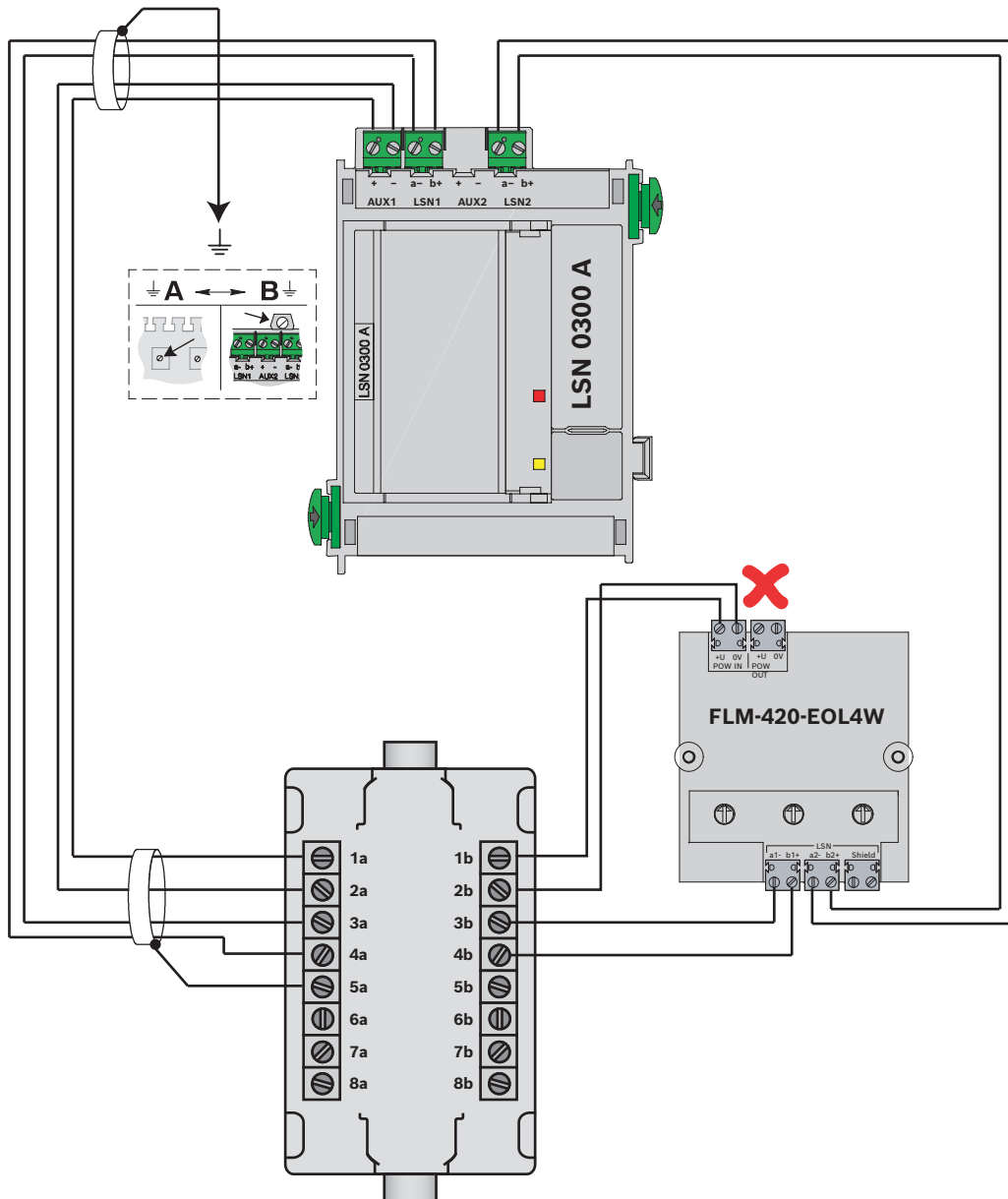


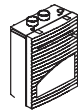


FAS-420-TM Series

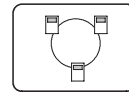


ELS

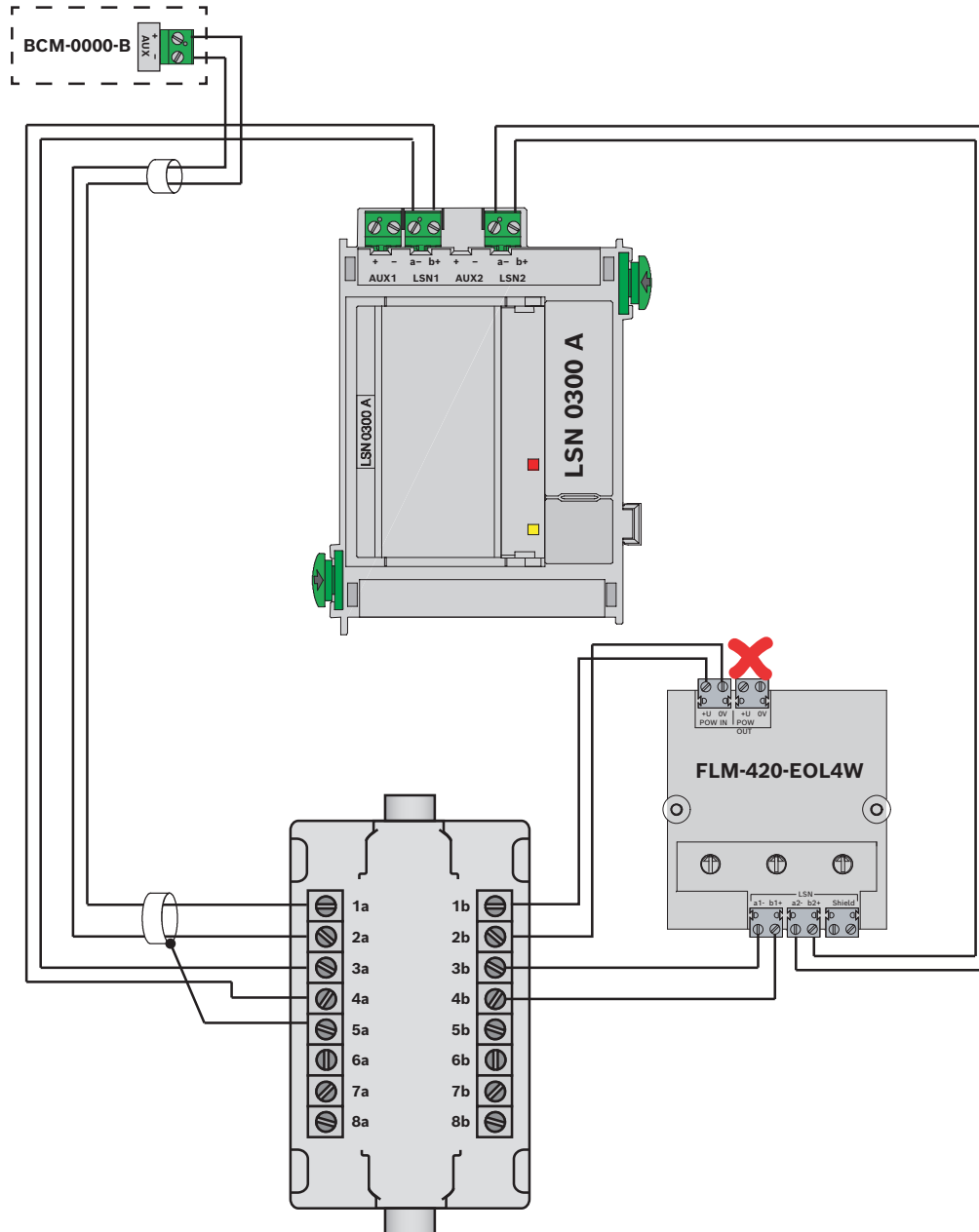




FAS-420-TM Series

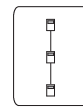


ELS

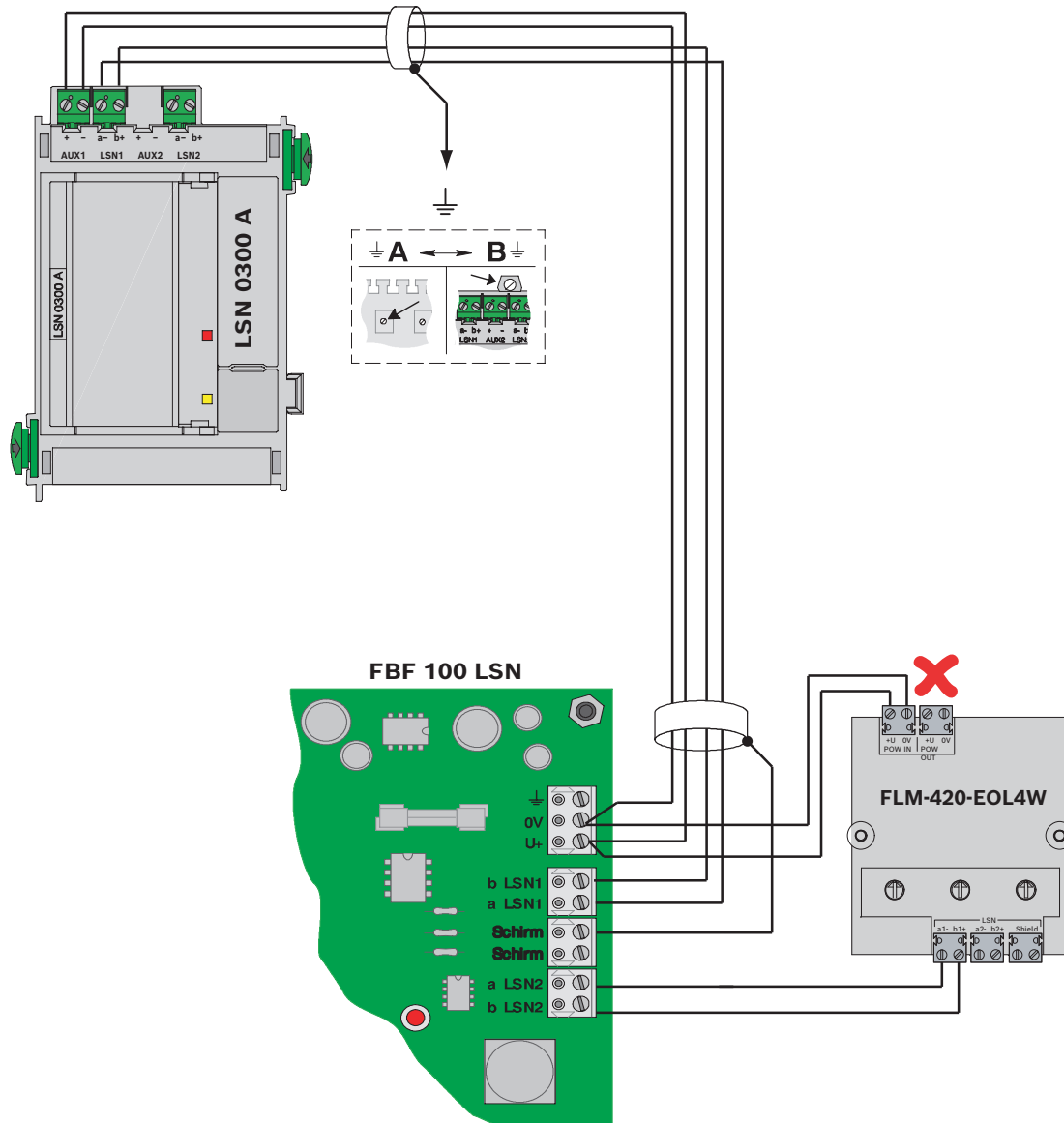




**FBF 100 LSN**

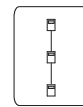


**ELS**

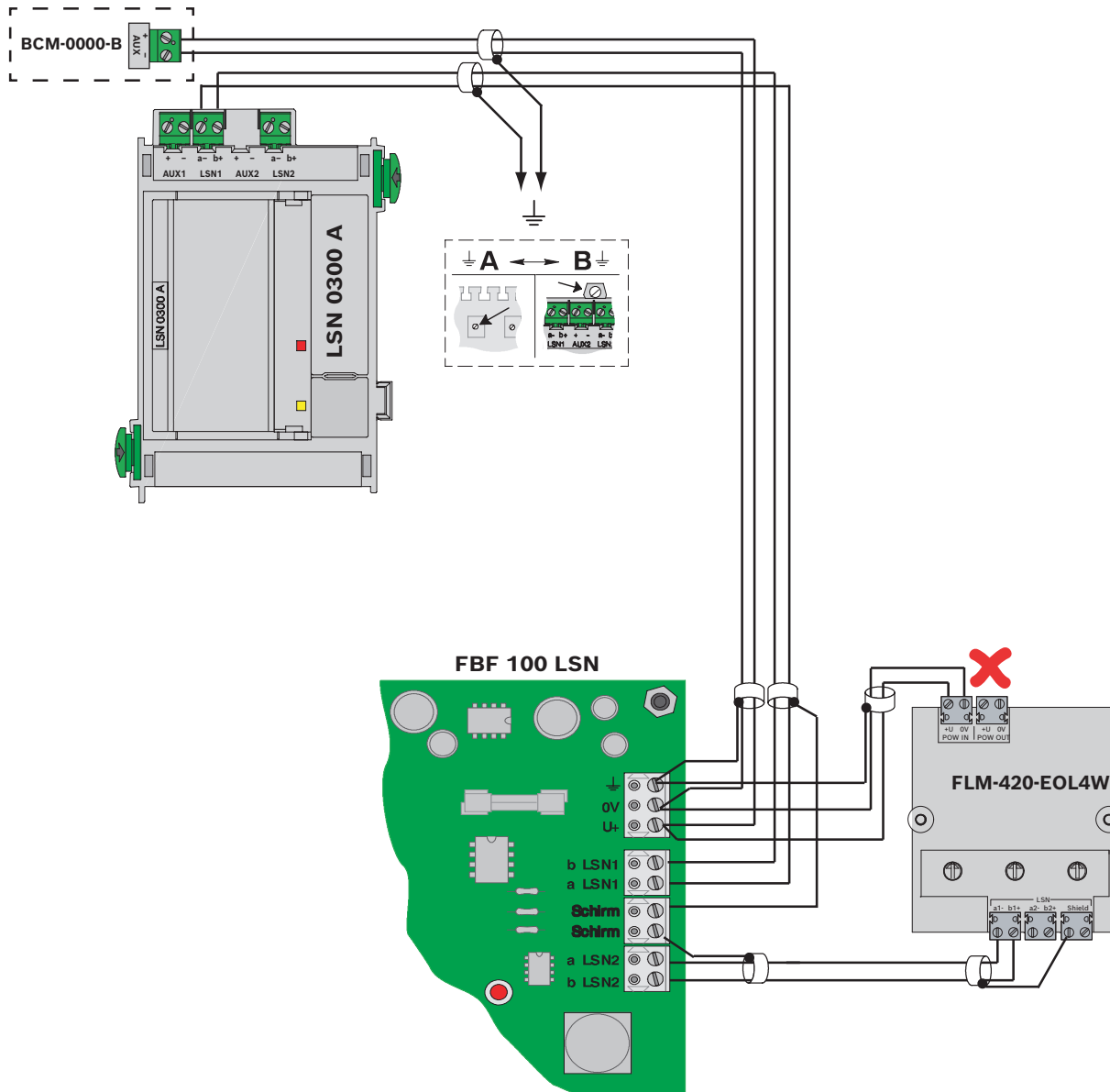




FBF 100 LSN

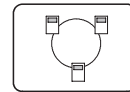


ELS

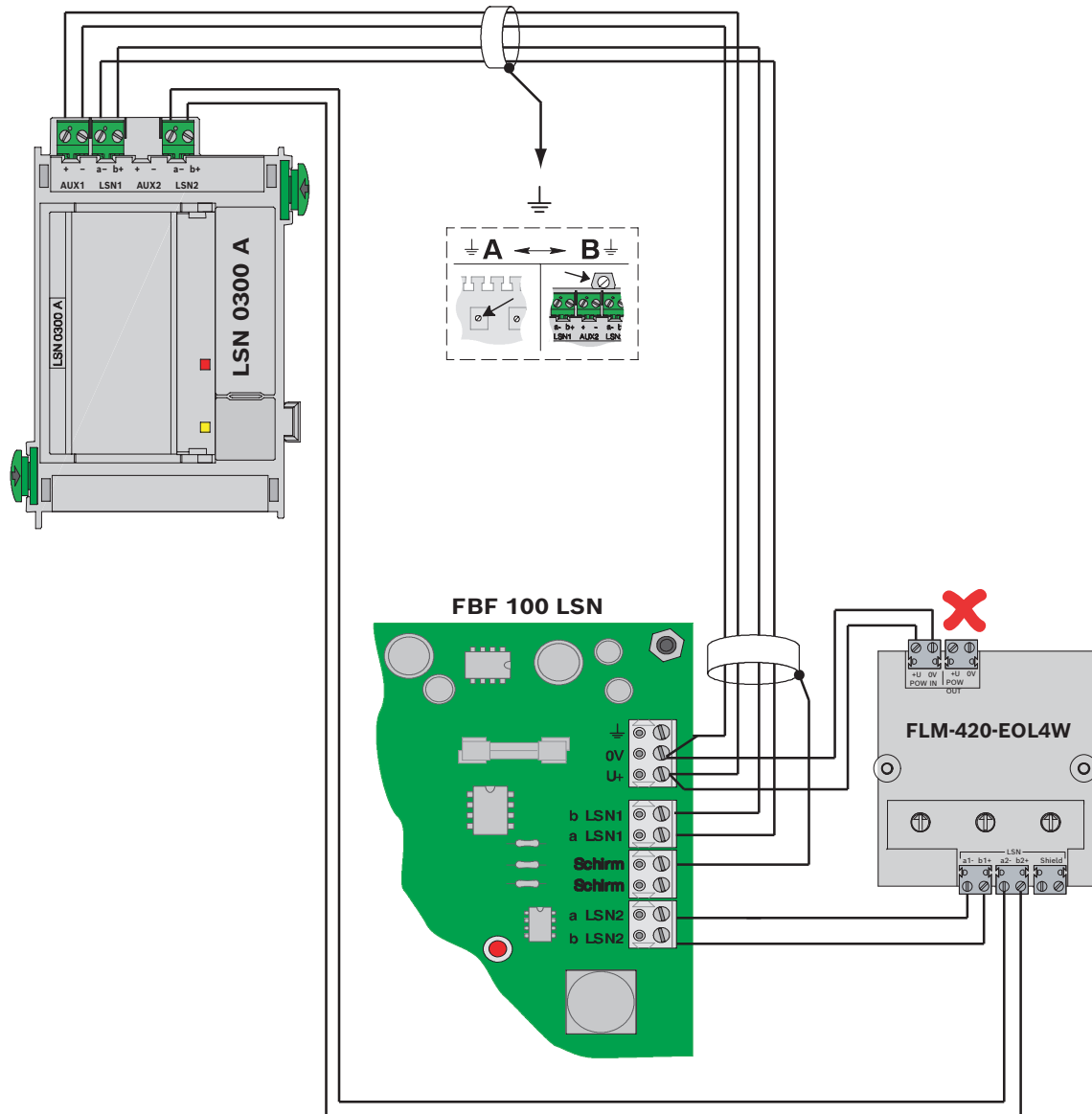




**FBF 100 LSN**

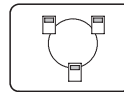


**ELS**

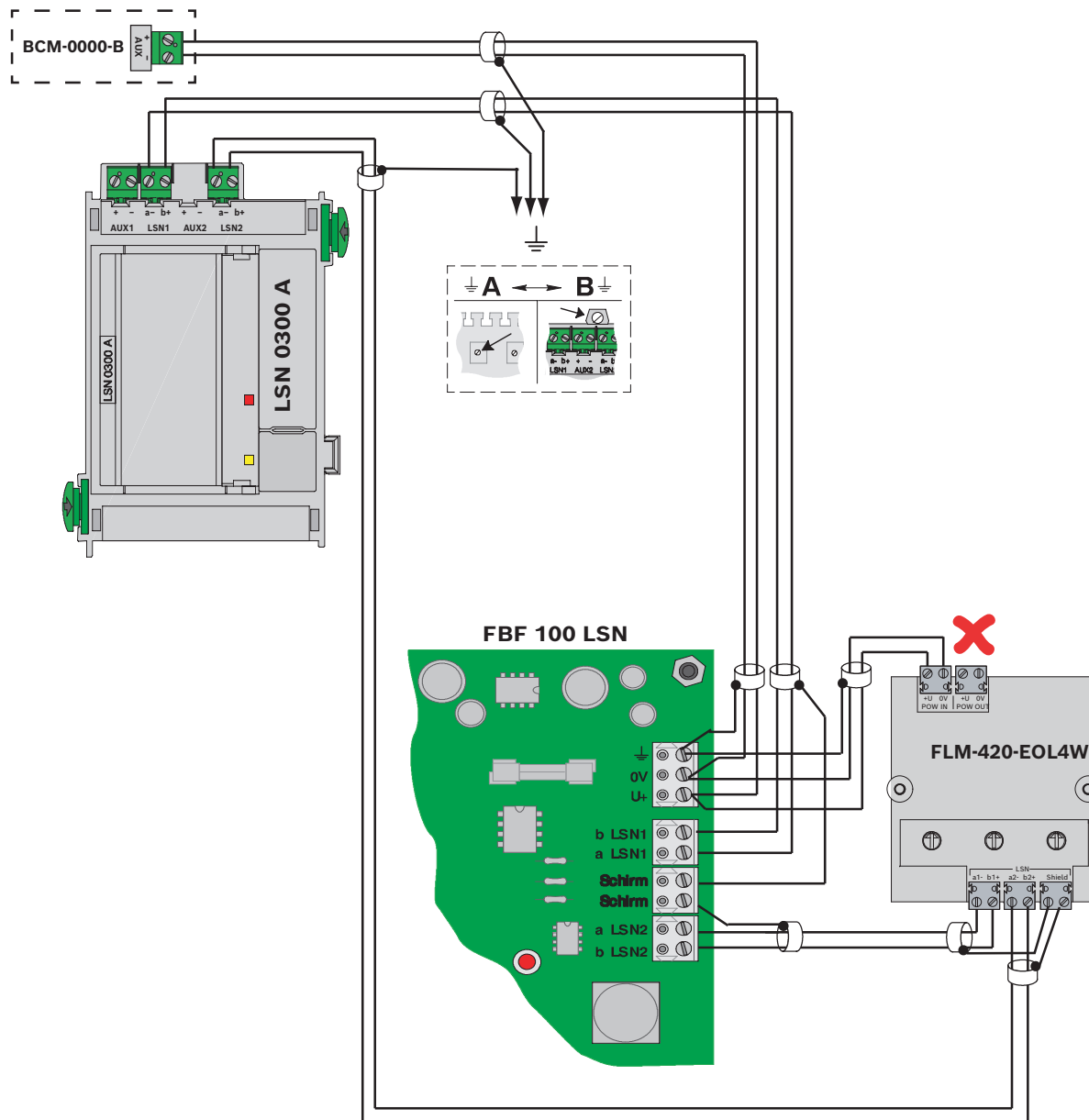




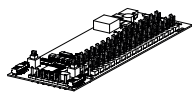
**FBF 100 LSN**



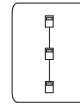
**ELS**



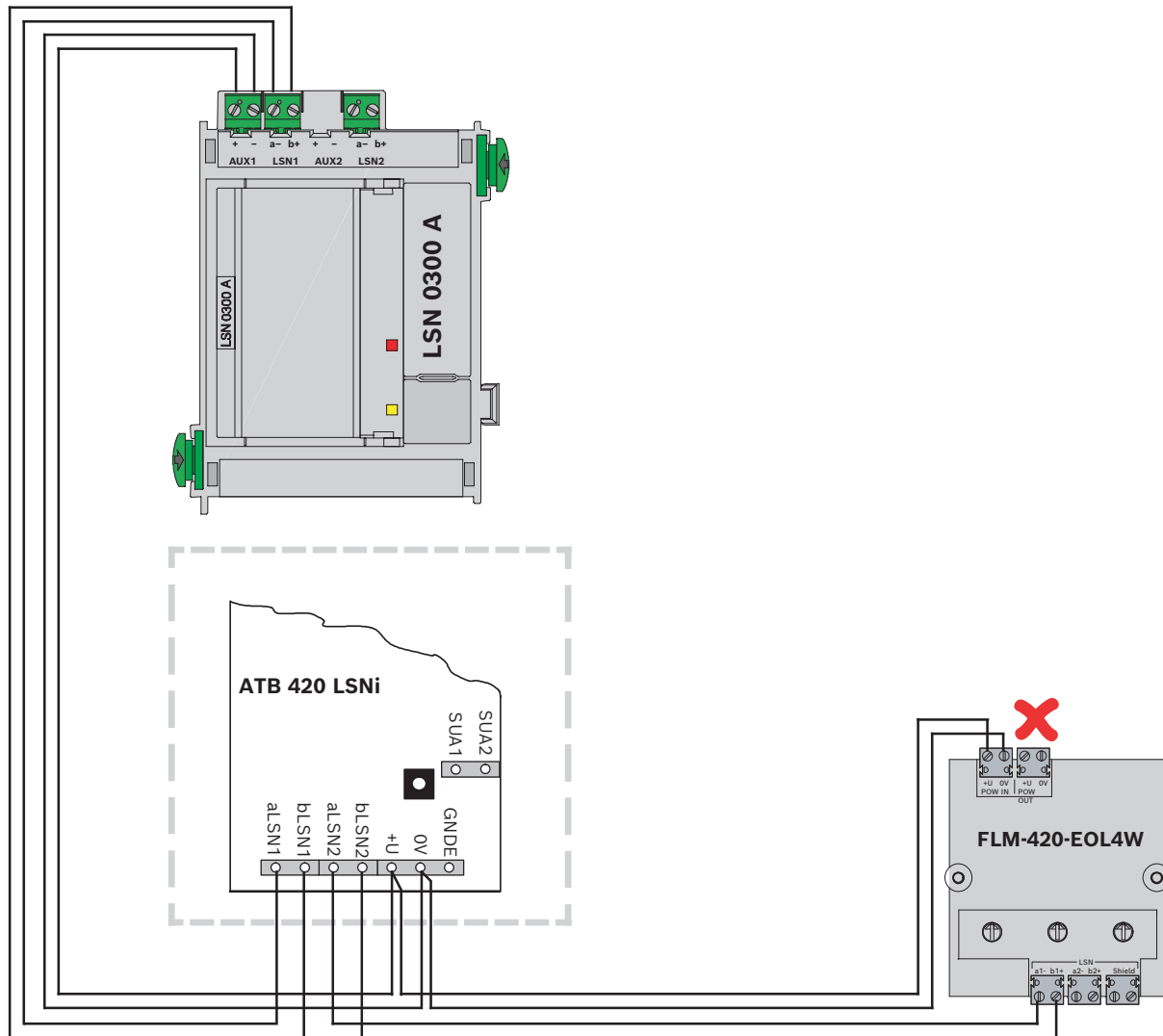


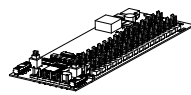


ATB 420 LSNi

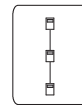


ELS

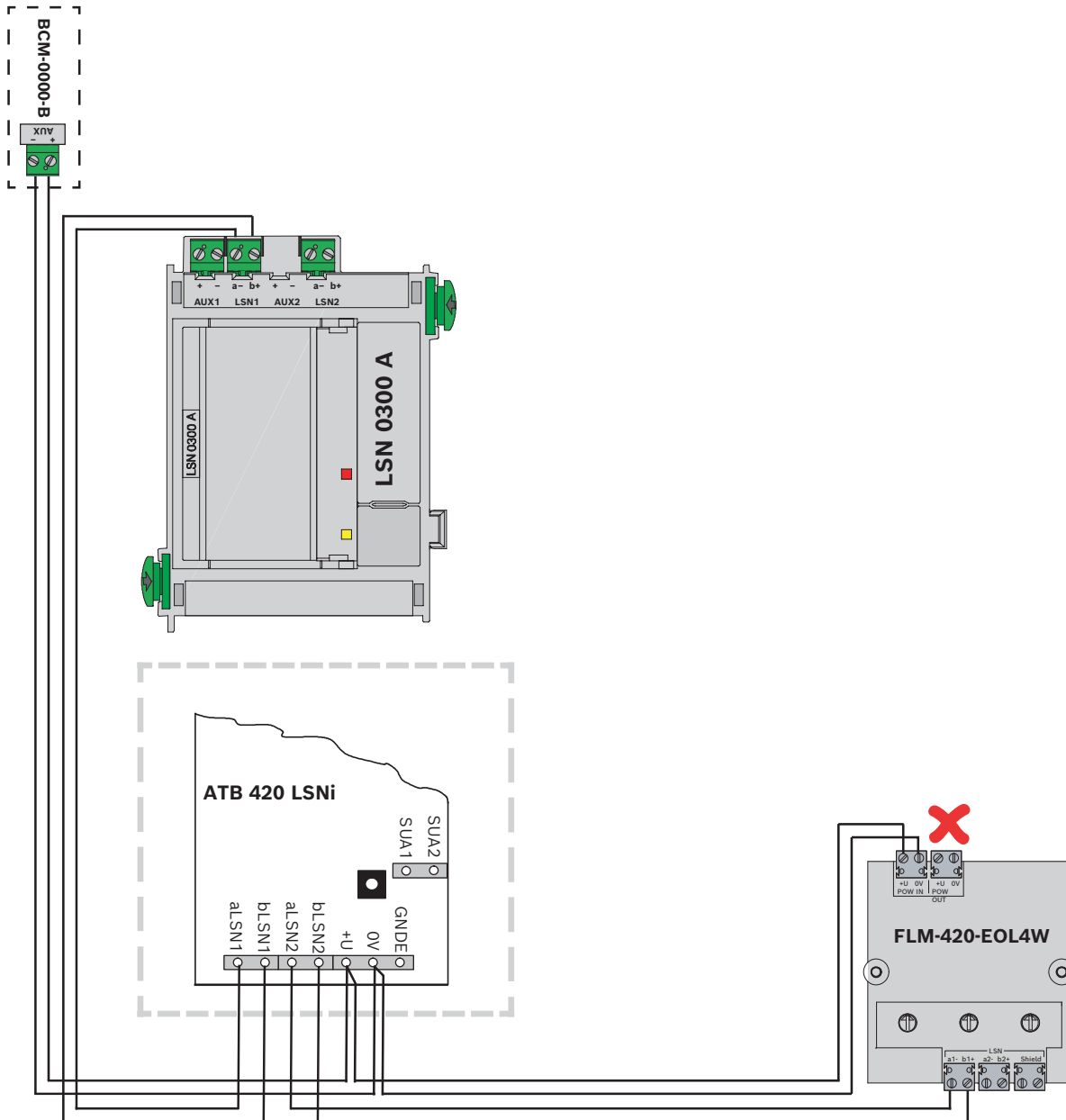


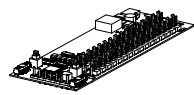


ATB 420 LSNi

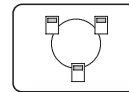


ELS

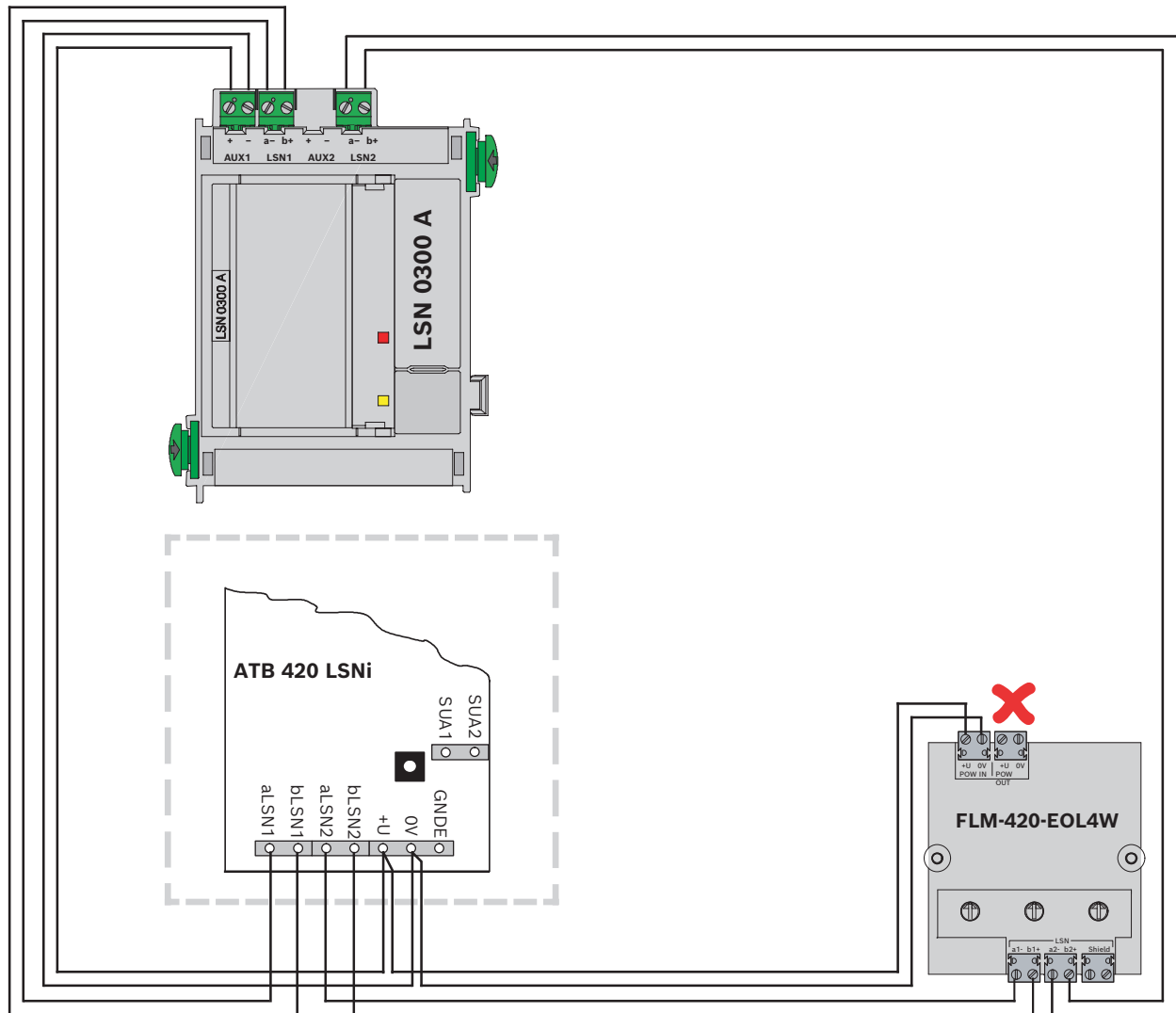


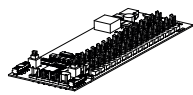


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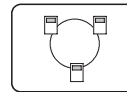


ELS

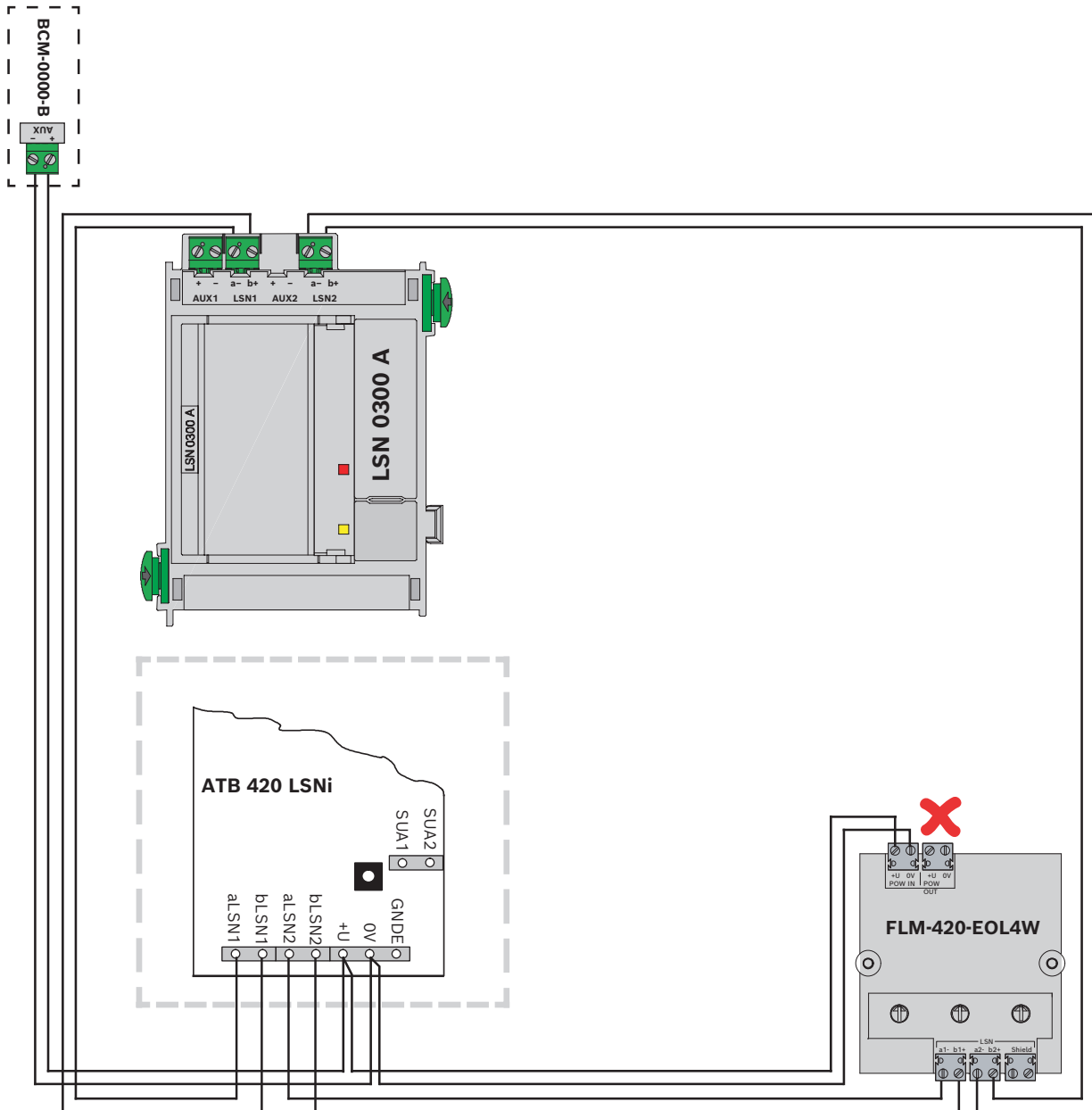




ATB 420 LSNi

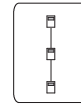


ELS

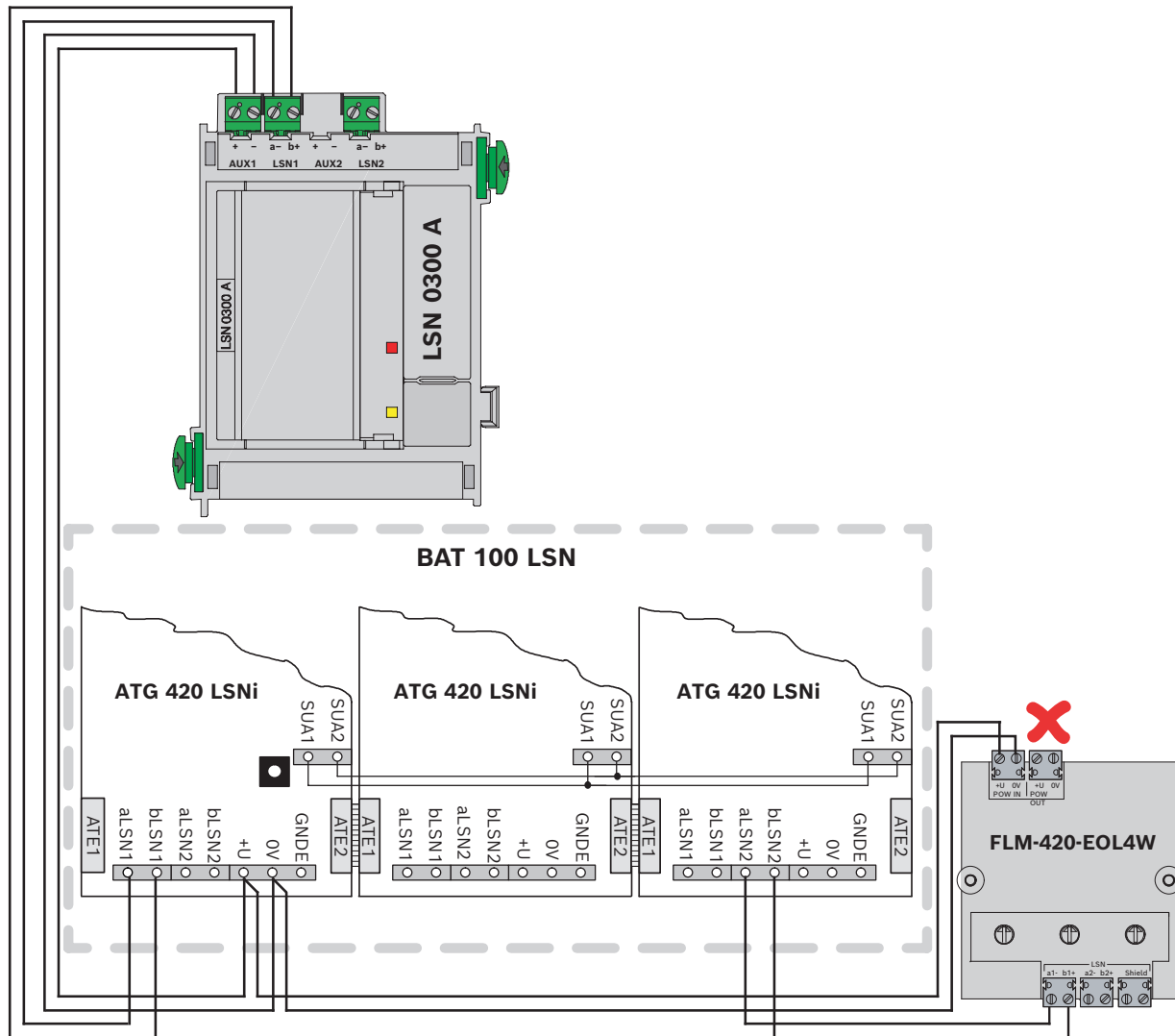




**BAT 100 LSN  
ATG 420 LSNi**

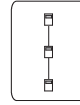


**ELS**

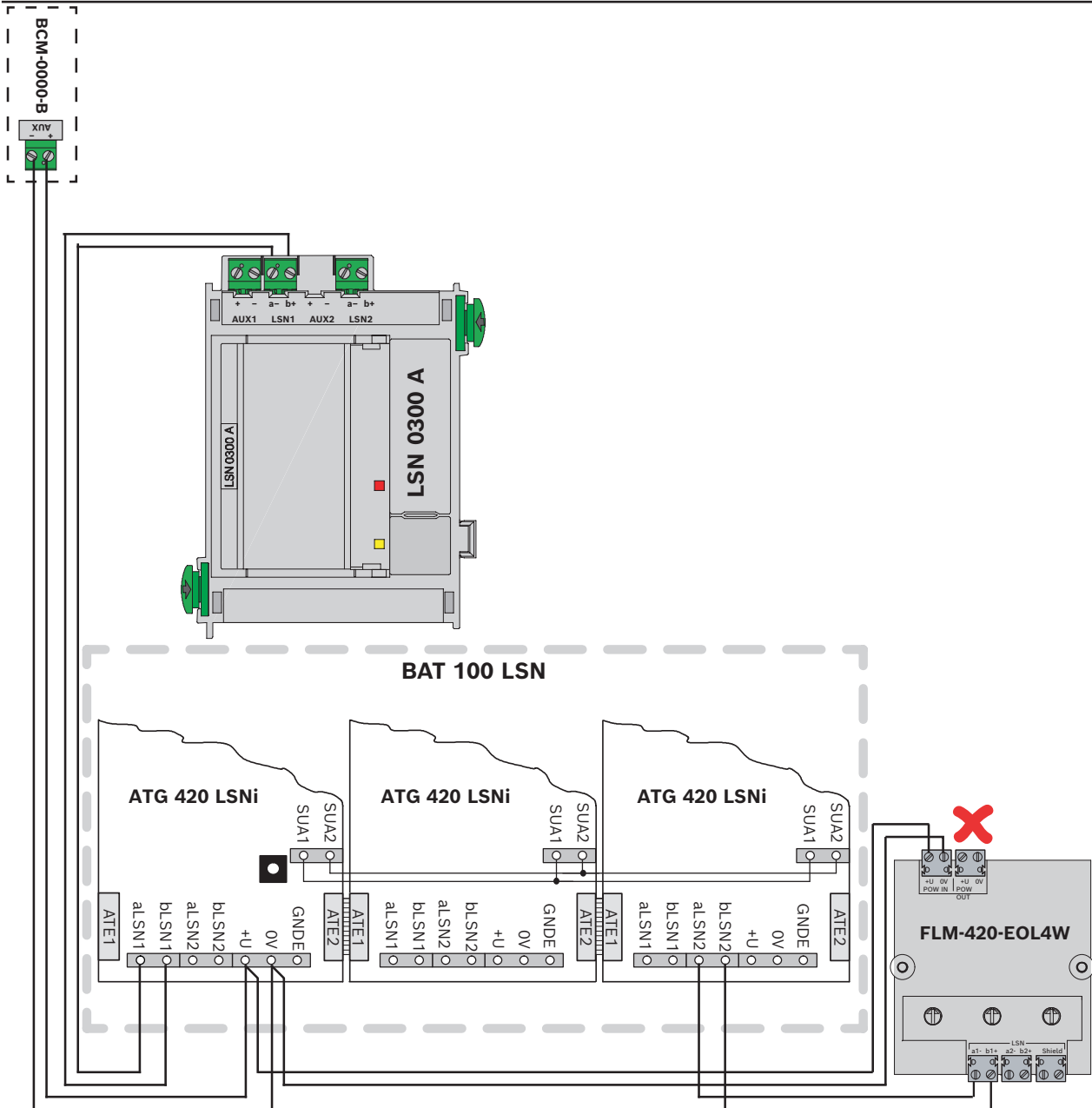




BAT 100 LSN  
ATG 420 LSNi

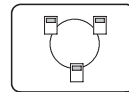


ELS

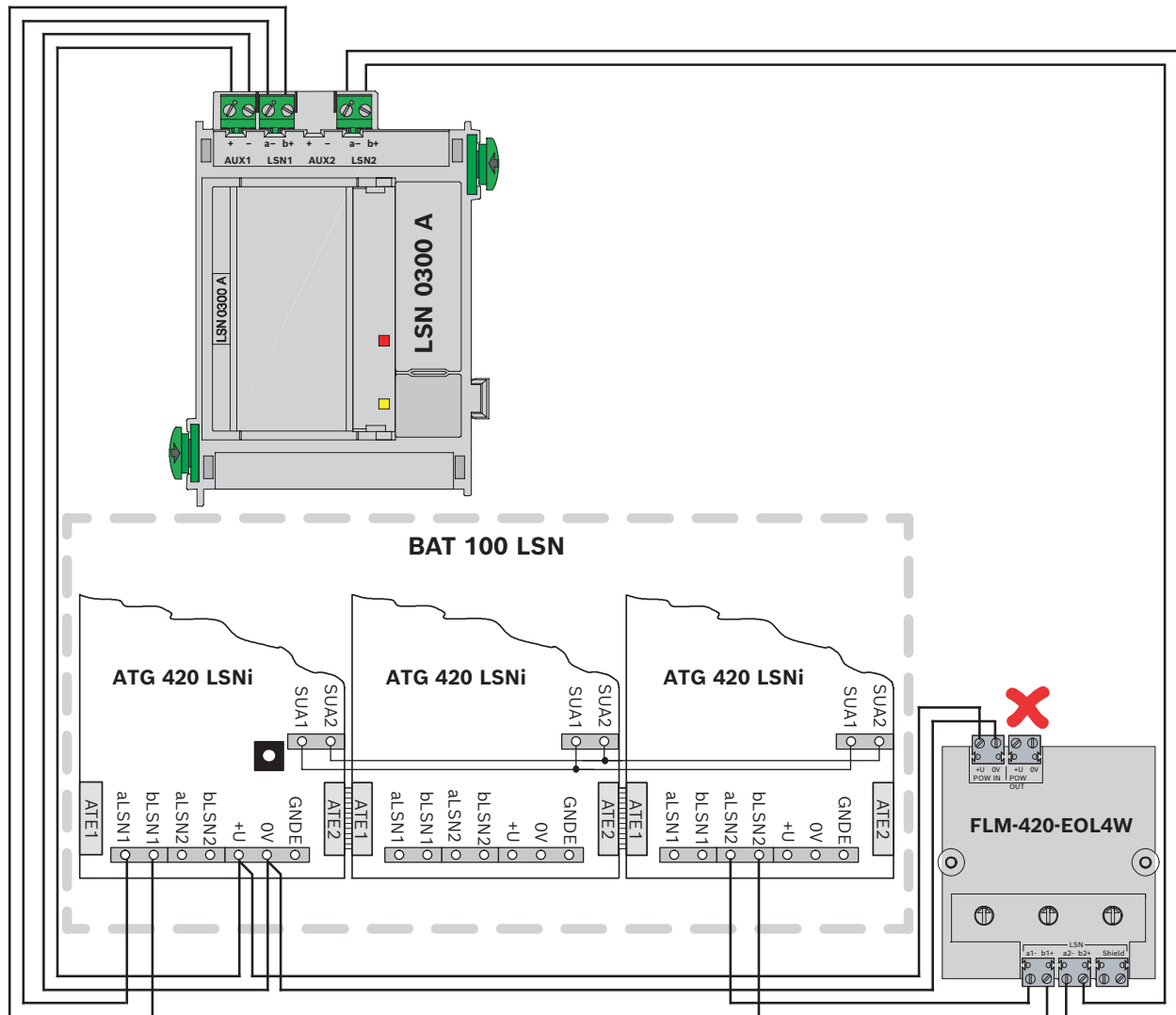




**BAT 100 LSN  
ATG 420 LSNi**

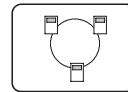


**ELS**

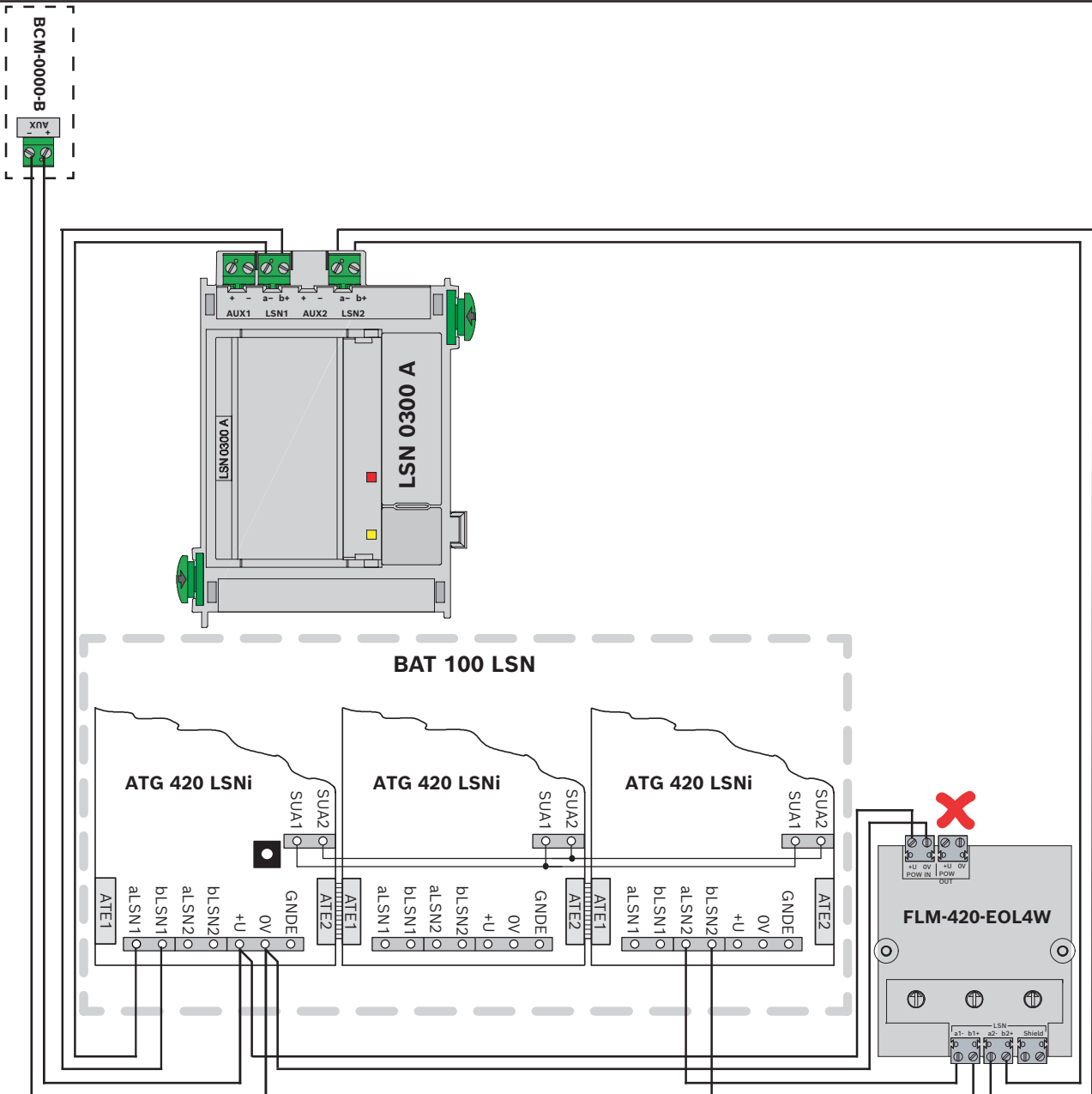




BAT 100 LSN  
ATG 420 LSNi



ELS



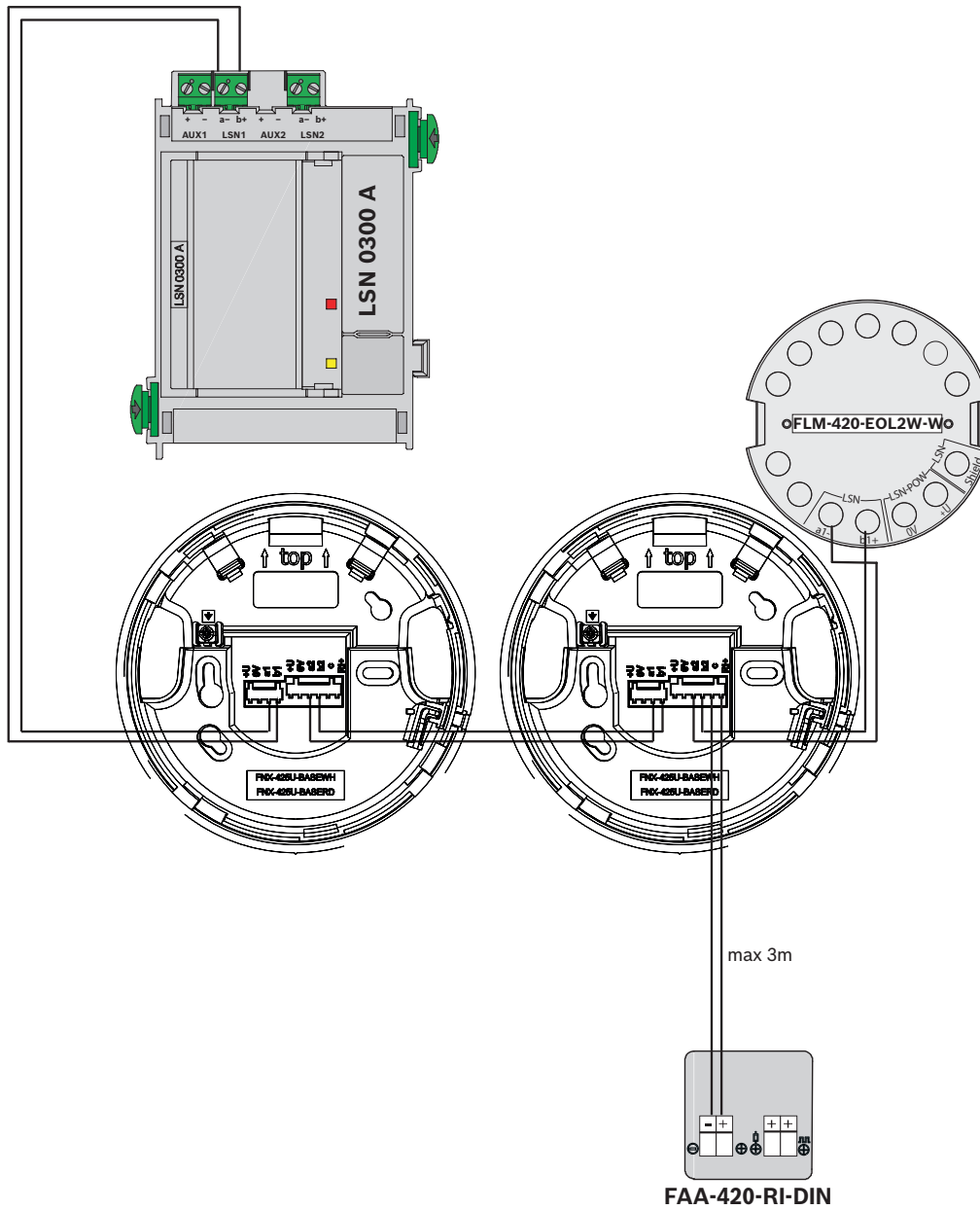




FNX-425U-WFWH  
 FNX-425U-RFWH  
 FNX-425U-WFRD  
 FNX-425U-RFRD



ELS



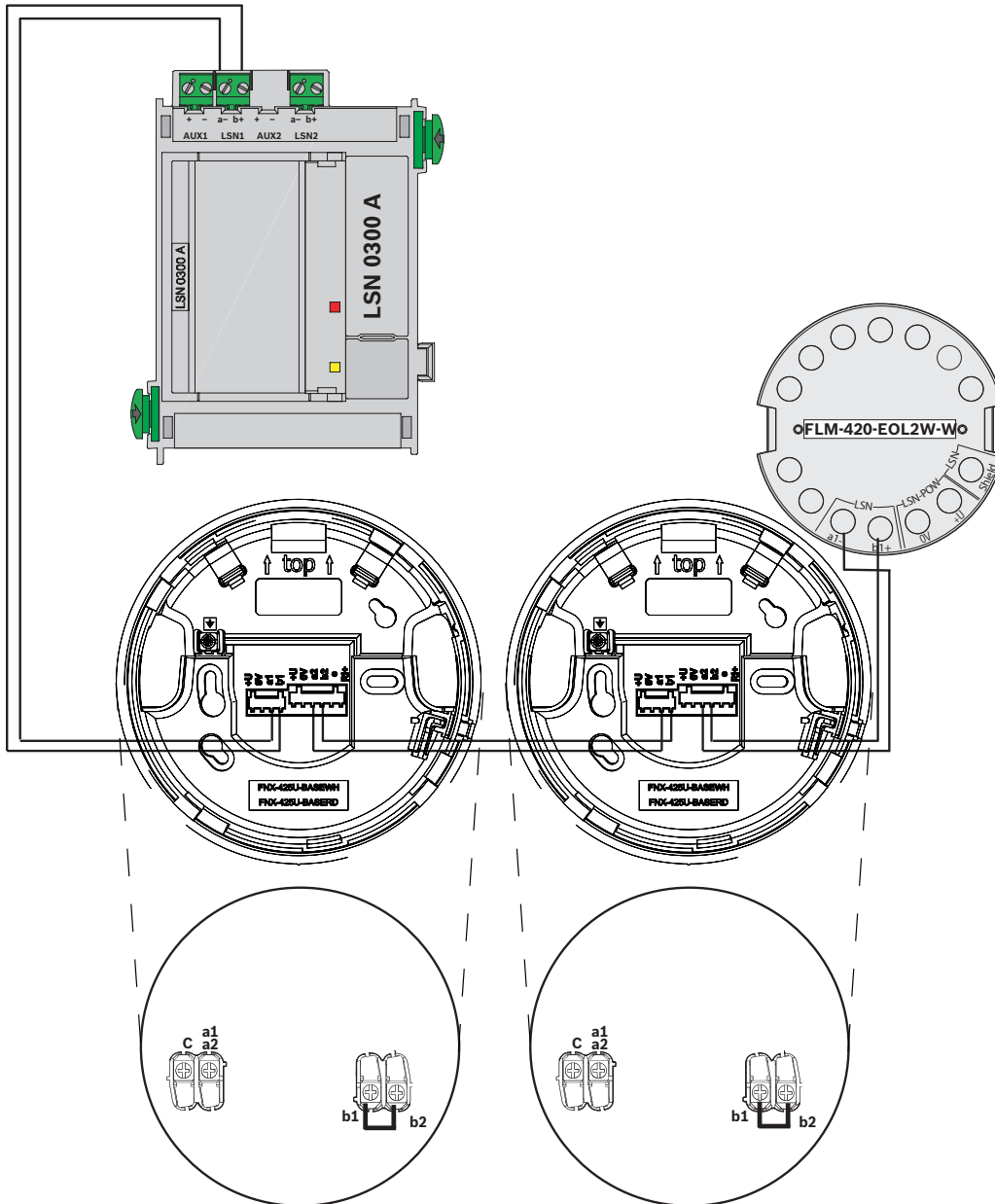


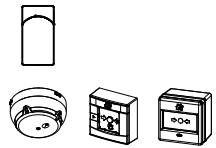
FNX-425U-WFWH  
 FNX-425U-RFWH  
 FNX-425U-WFRD  
 FNX-425U-RFRD

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



ELS



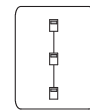


**FWI-270**

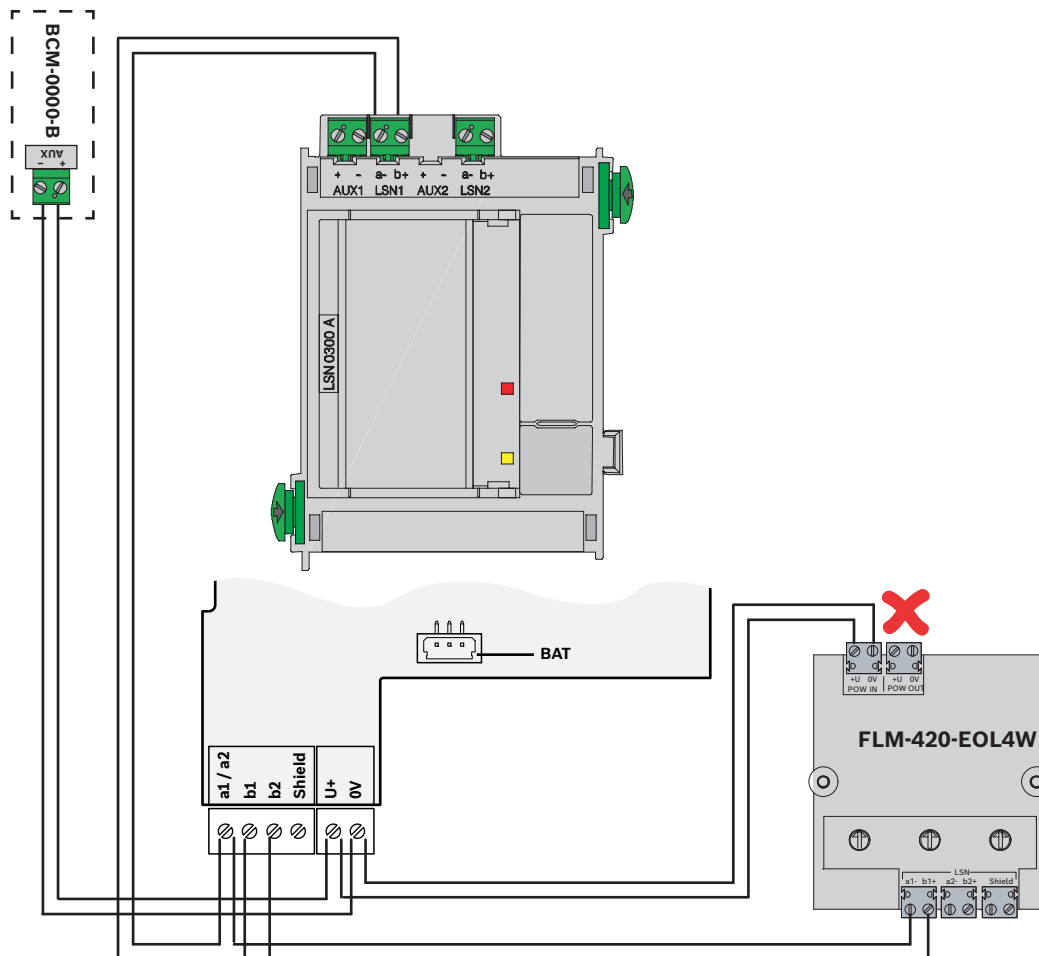
**FDOOT271-O**

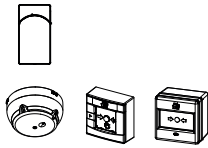
**FDM275-O**

**FDM273-O**



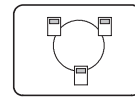
**ELS**



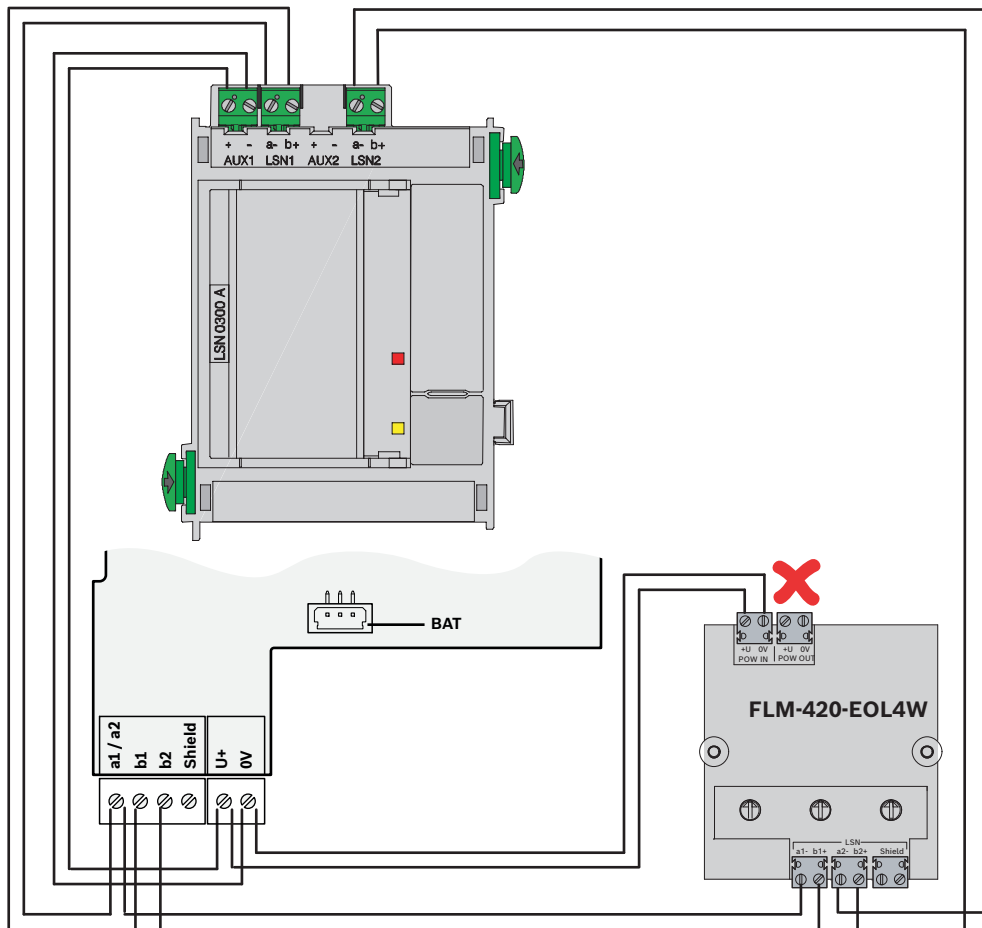


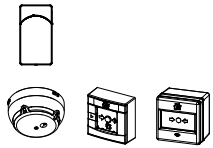
**FWI-270**

**FDOOT271-O**  
**FDM275-O**  
**FDM273-O**



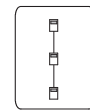
**ELS**



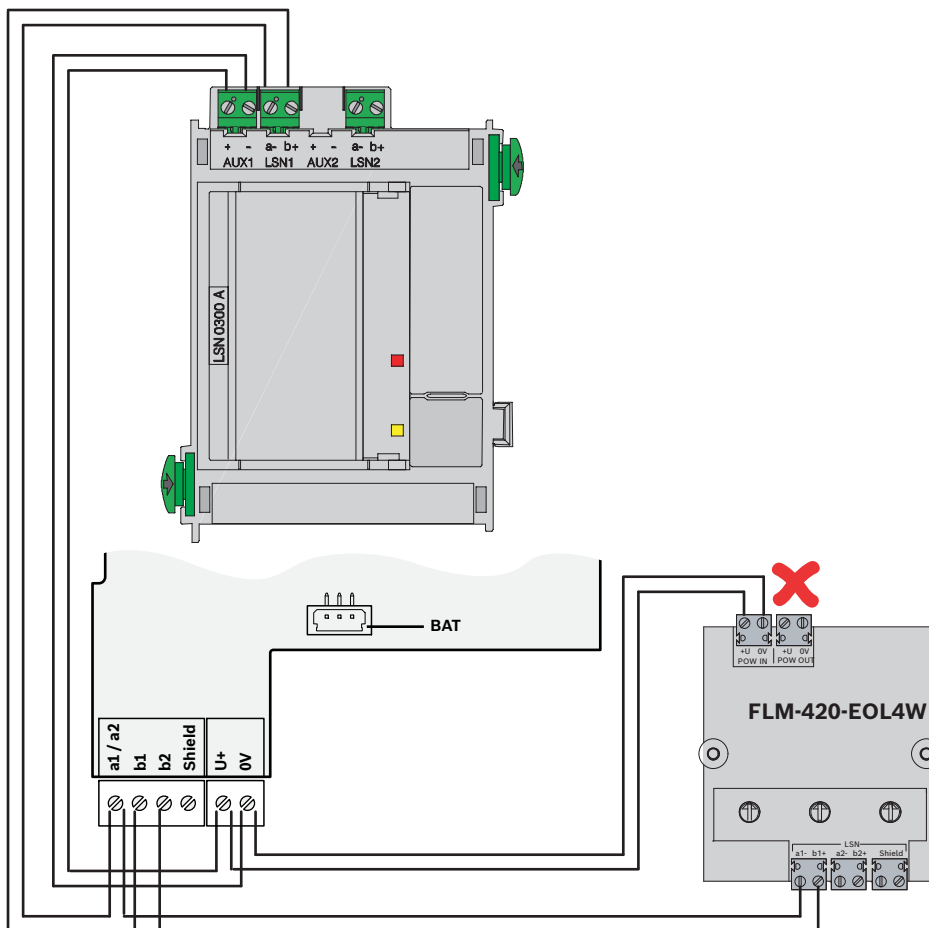


**FWI-270**

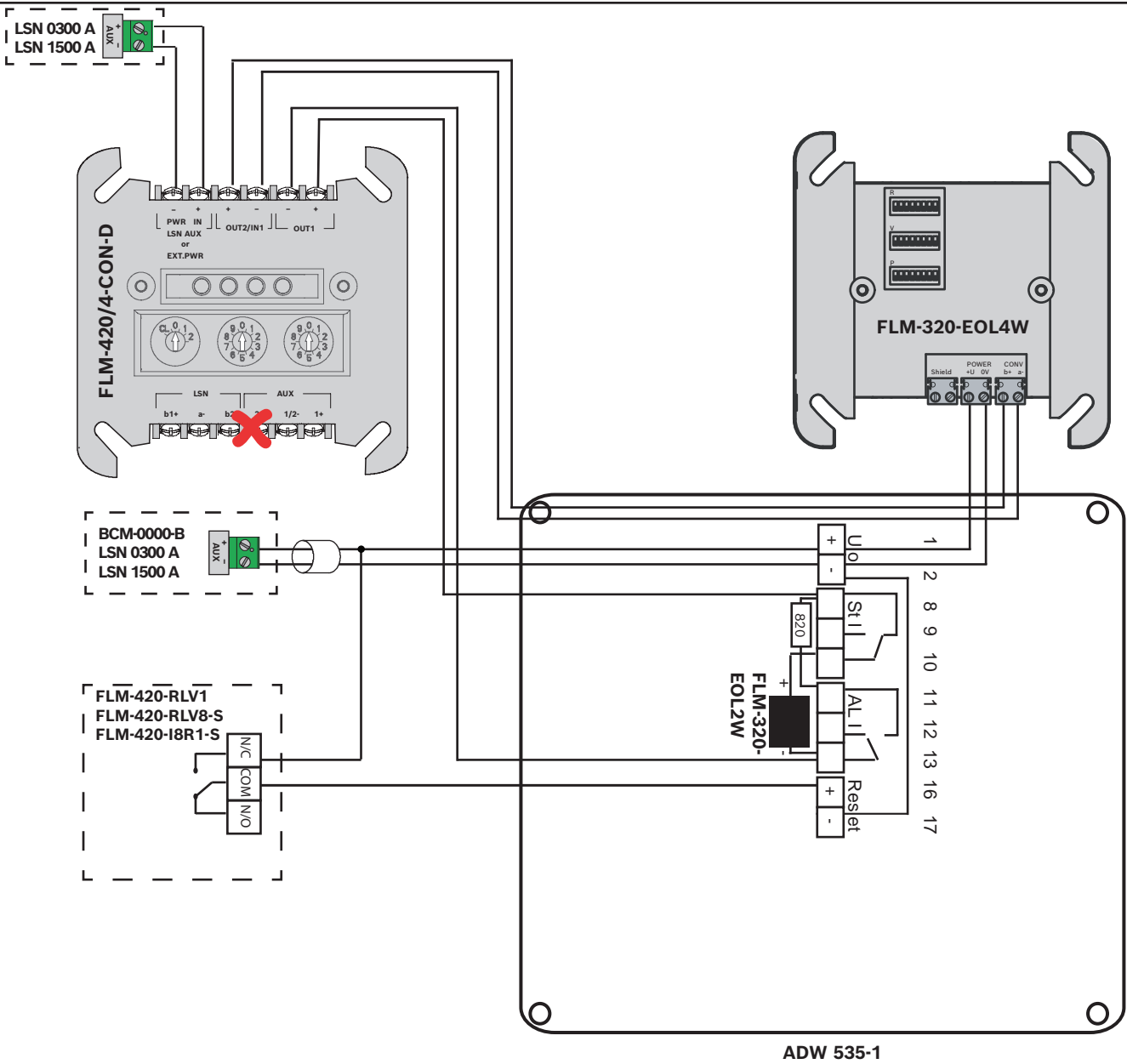
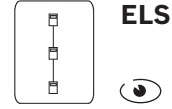
**FDOOT271-O**  
**FDM275-O**  
**FDM273-O**

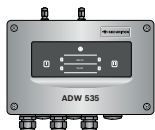


**ELS**

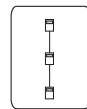


### 2.6.3 FLM-420/4-CON-S/D

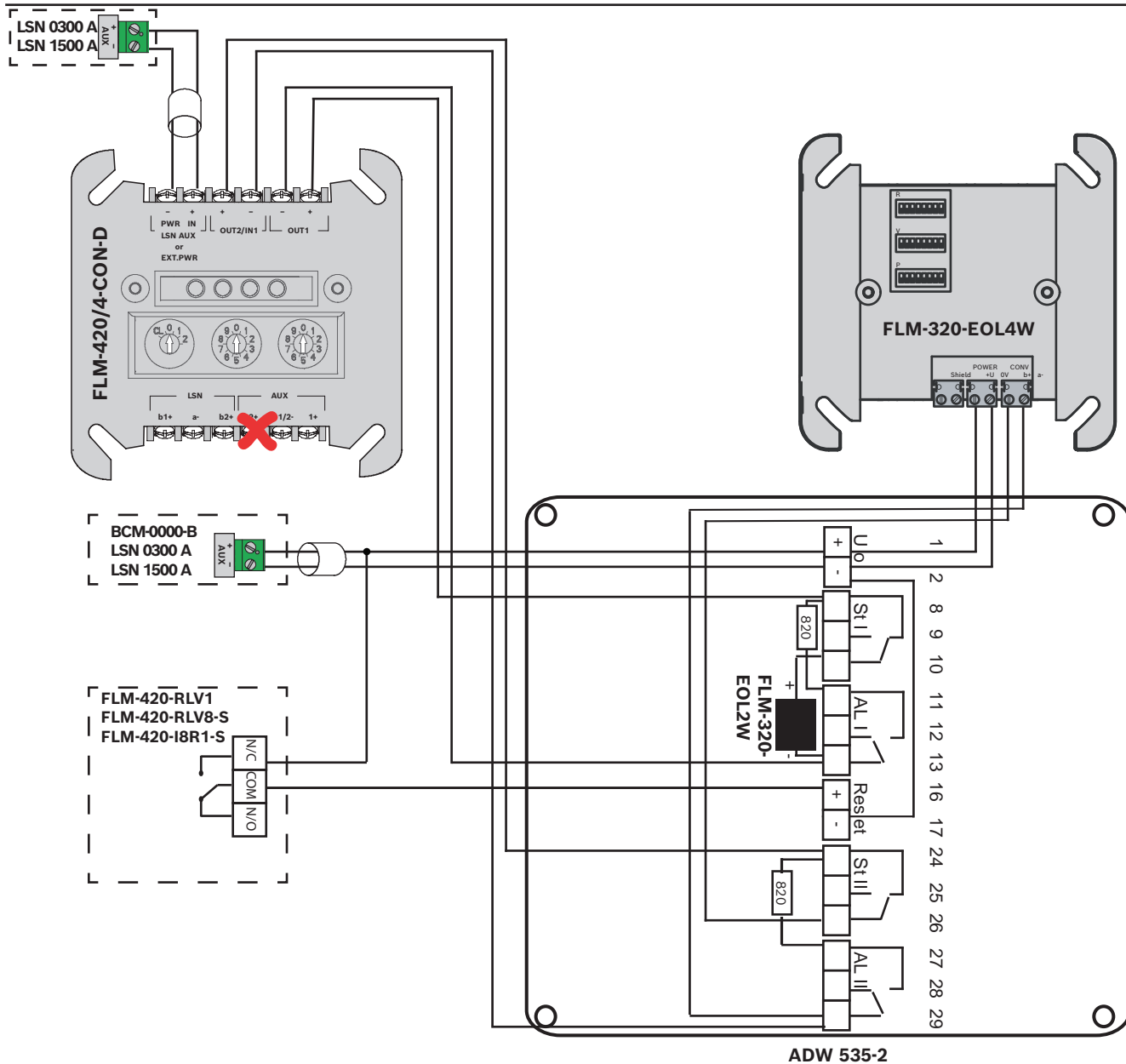


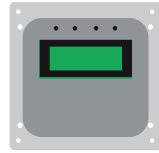


ADW 535-2



ELS

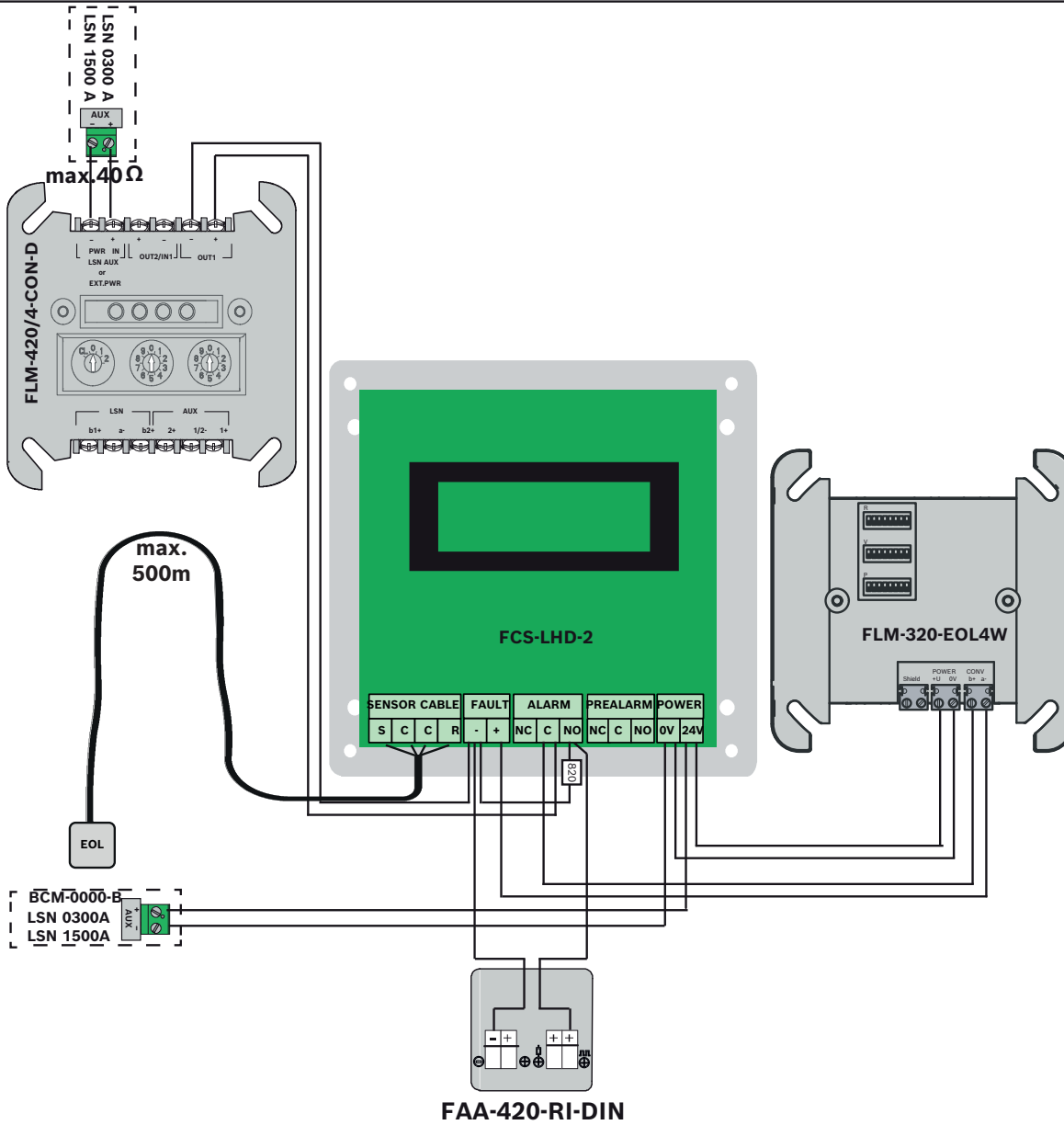




ALARMLINE II



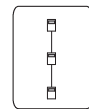
ELS



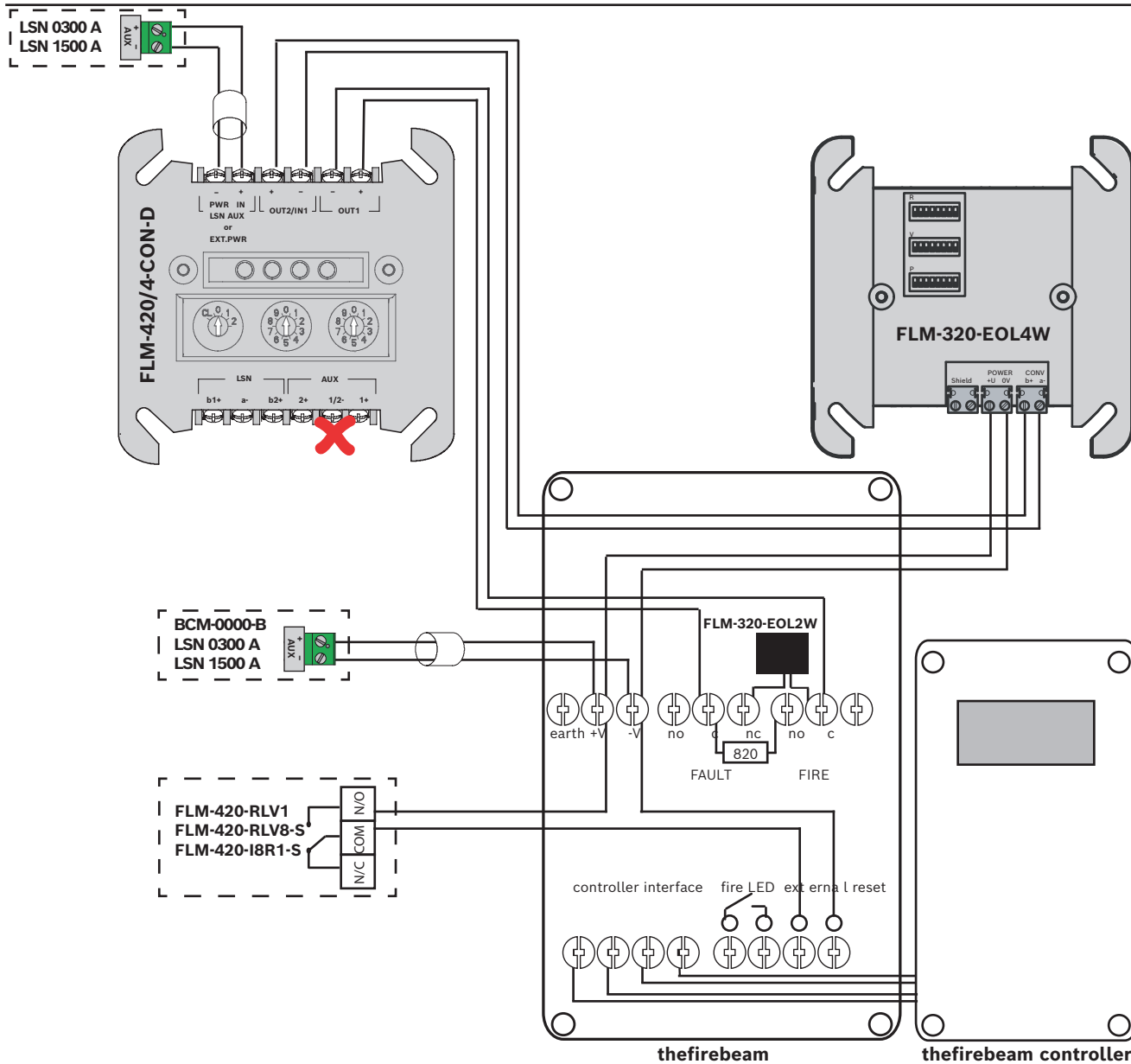


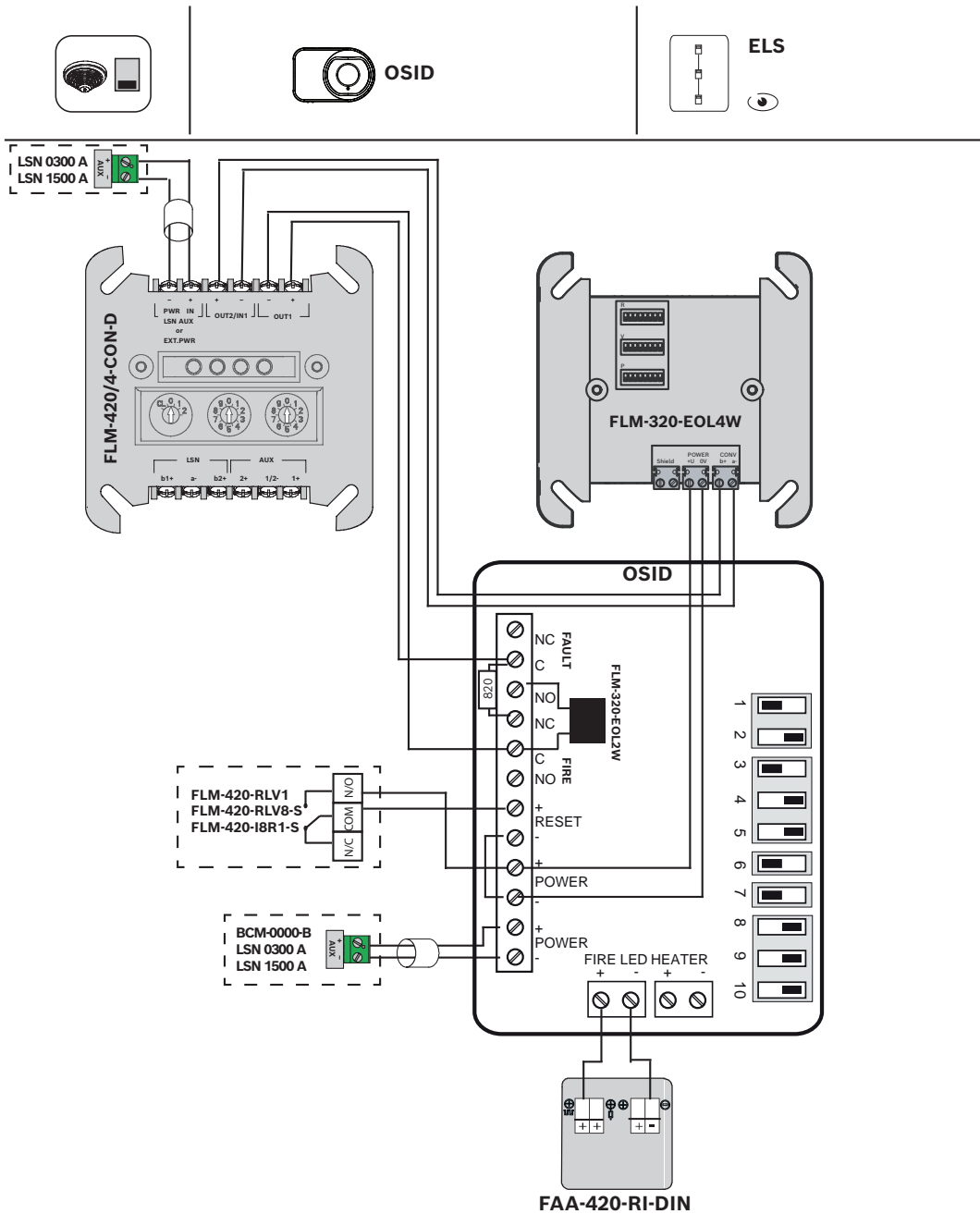


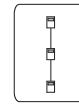
thefirebeam nano  
thefirebeam standard  
thefirebeam foveo



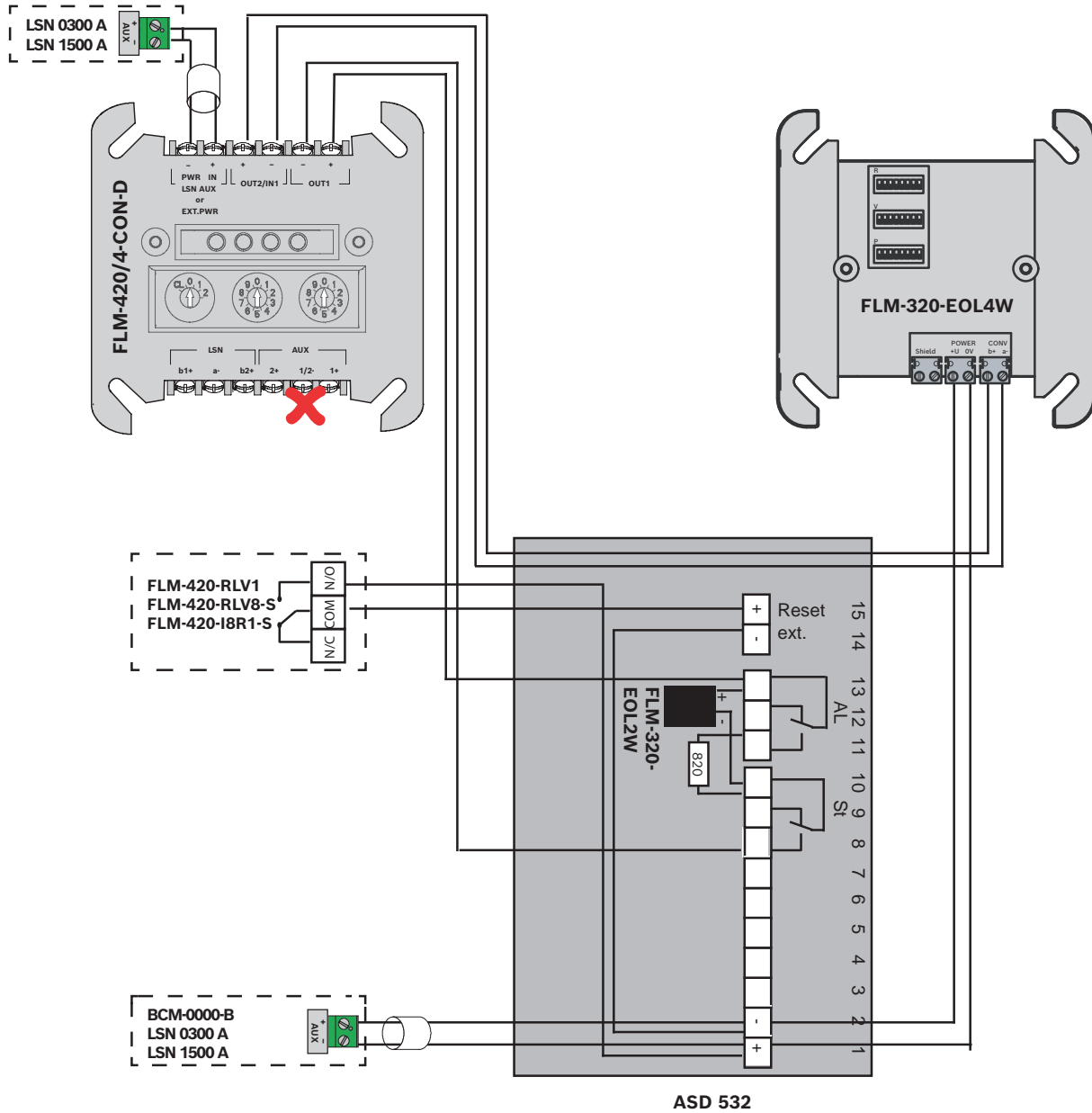
ELS

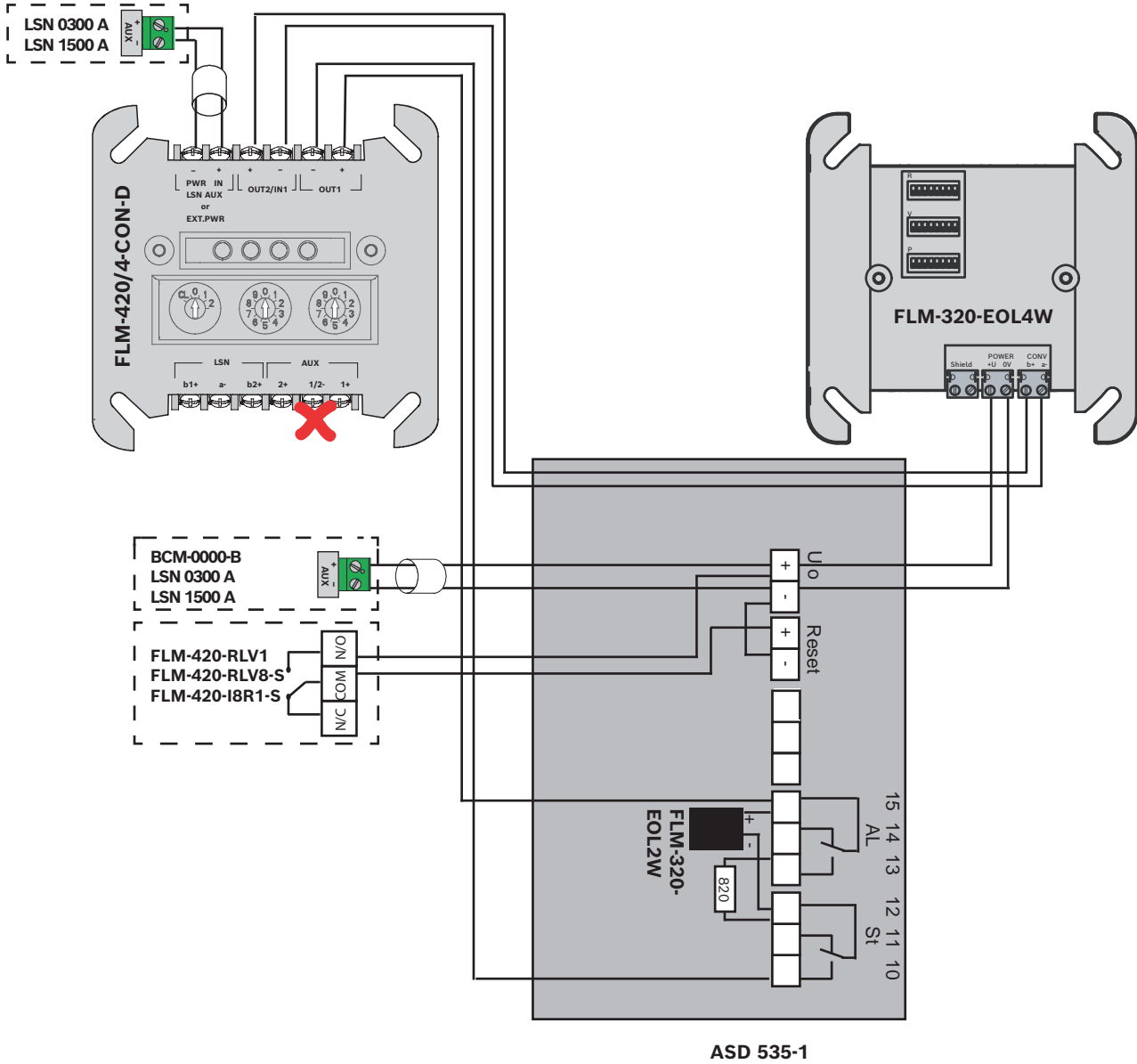
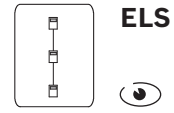


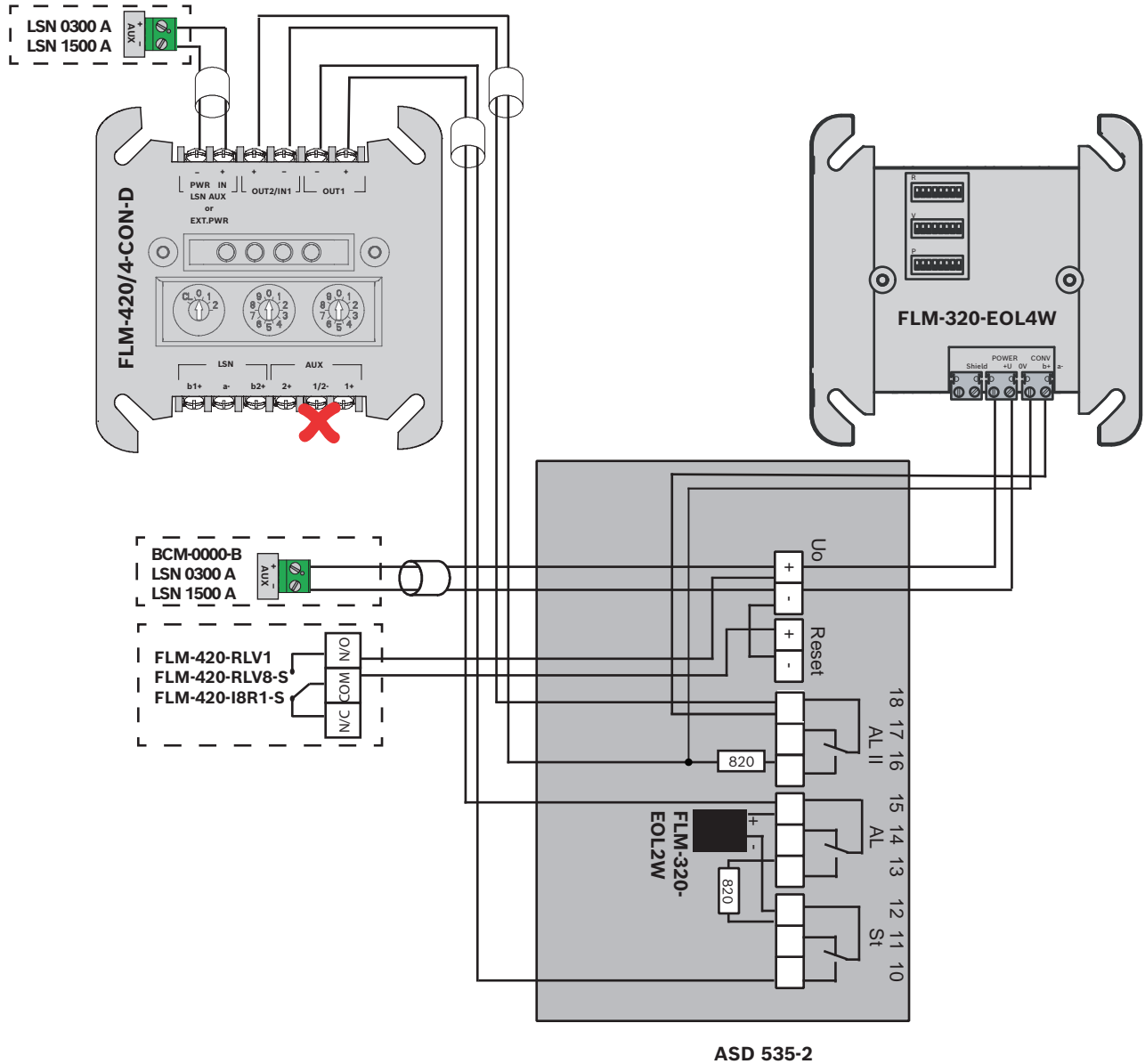
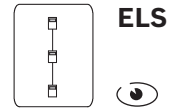




ELS

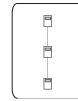






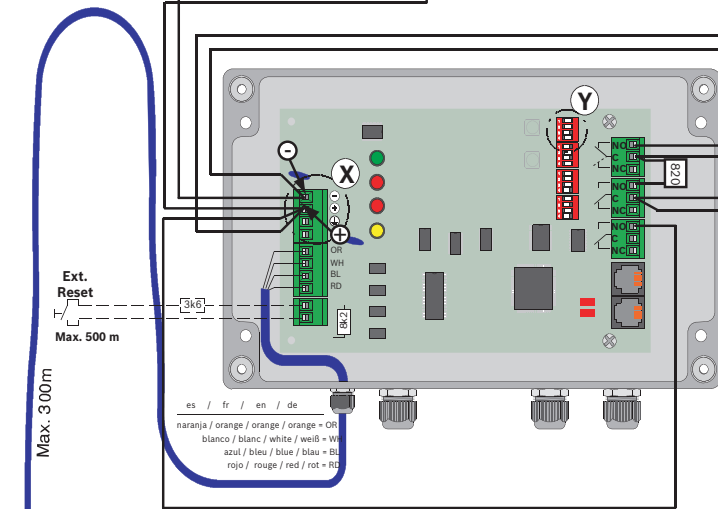
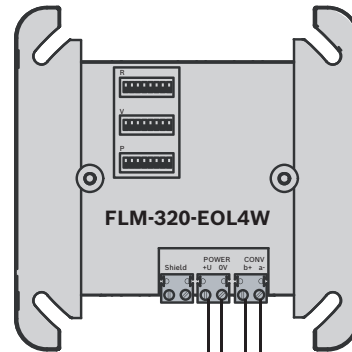
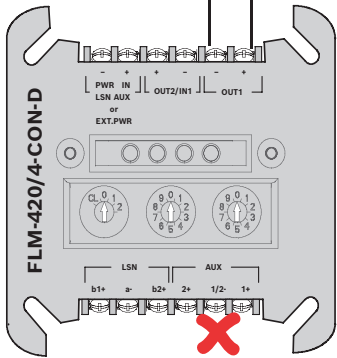


FCS-LWM-1



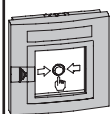
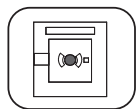
ELS

BCM-0000-B  
LSN 0300 A  
LSN 1500 A

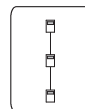


es / fr / en / de  
naranja / orange / orange / orange = OR  
blanco / blanc / white / weiß = WI  
azul / bleu / blue / blau = BL  
rojo / rouge / red / rot = RD

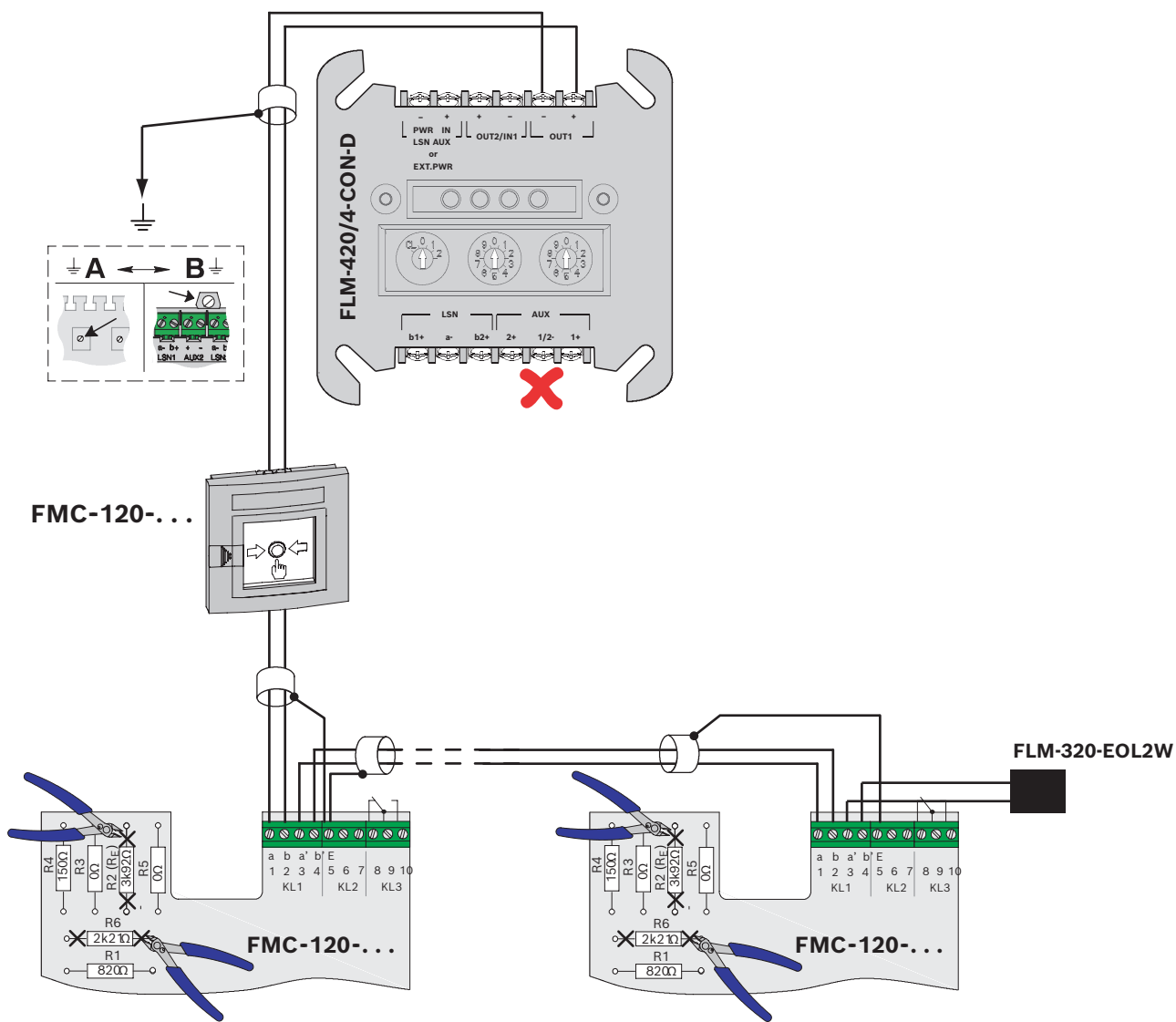




FMC-120-DKM-G-R FMC-120-DKM-G-Y  
 FMC-120-DKM-H-R FMC-120-EST-G-B  
 FMC-120-DKM-G-B  
 FMC-120-DKM-H-B

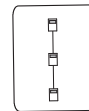


ELS

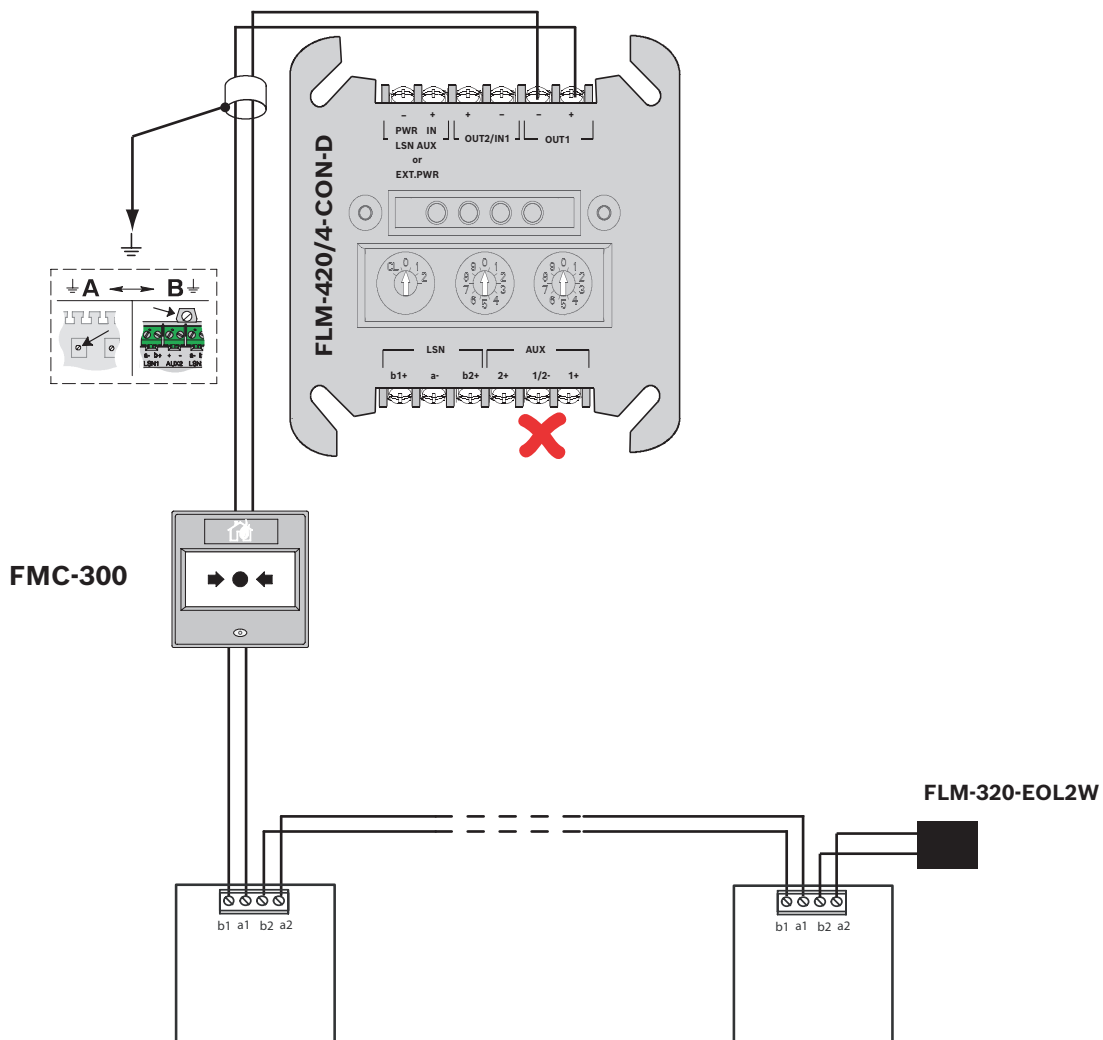




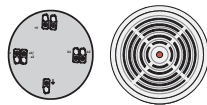
**FMC-300**



**ELS**



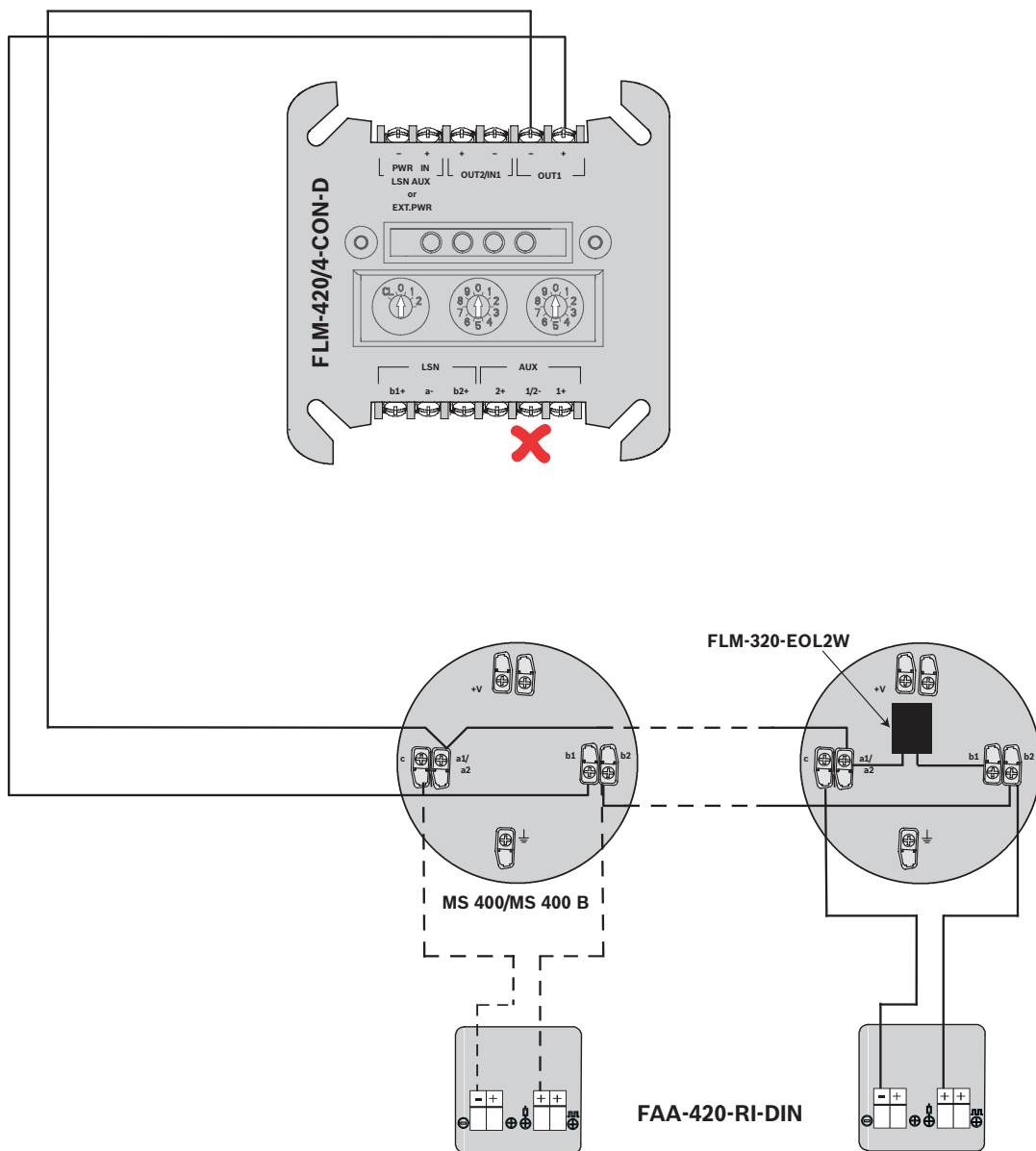




MSS 400, MSS 400 B  
 FCH-320-T320  
 FCH-T320-R470, FCH-T320-FSA  
 FCP-O320, FCP-O320-R470  
 FCP-OC320, FCP-OC320-R470  
 FCP-OT320, FCP-OT320-R470



ELS

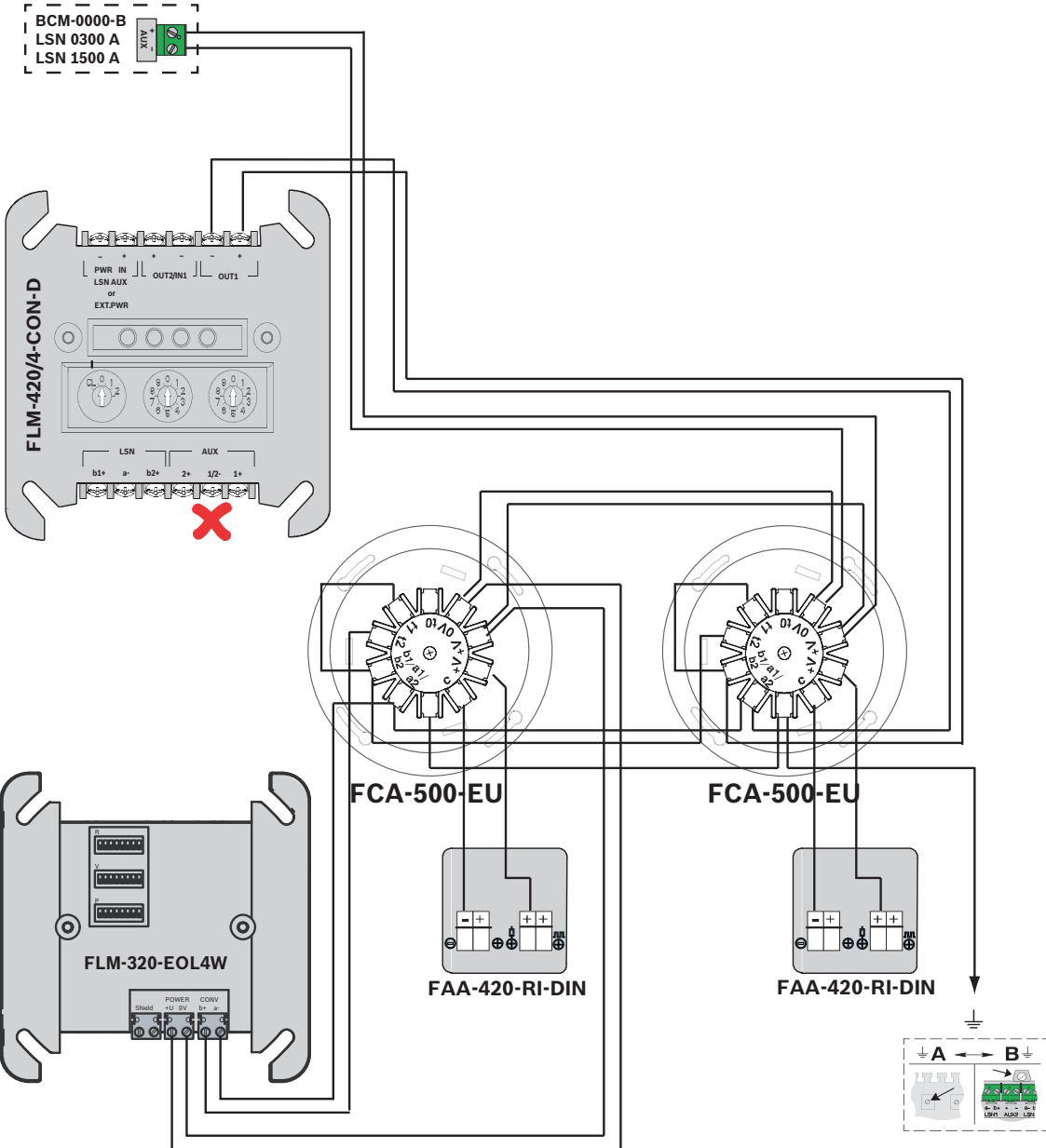


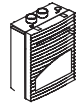


FCP-500

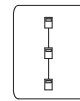


ELS

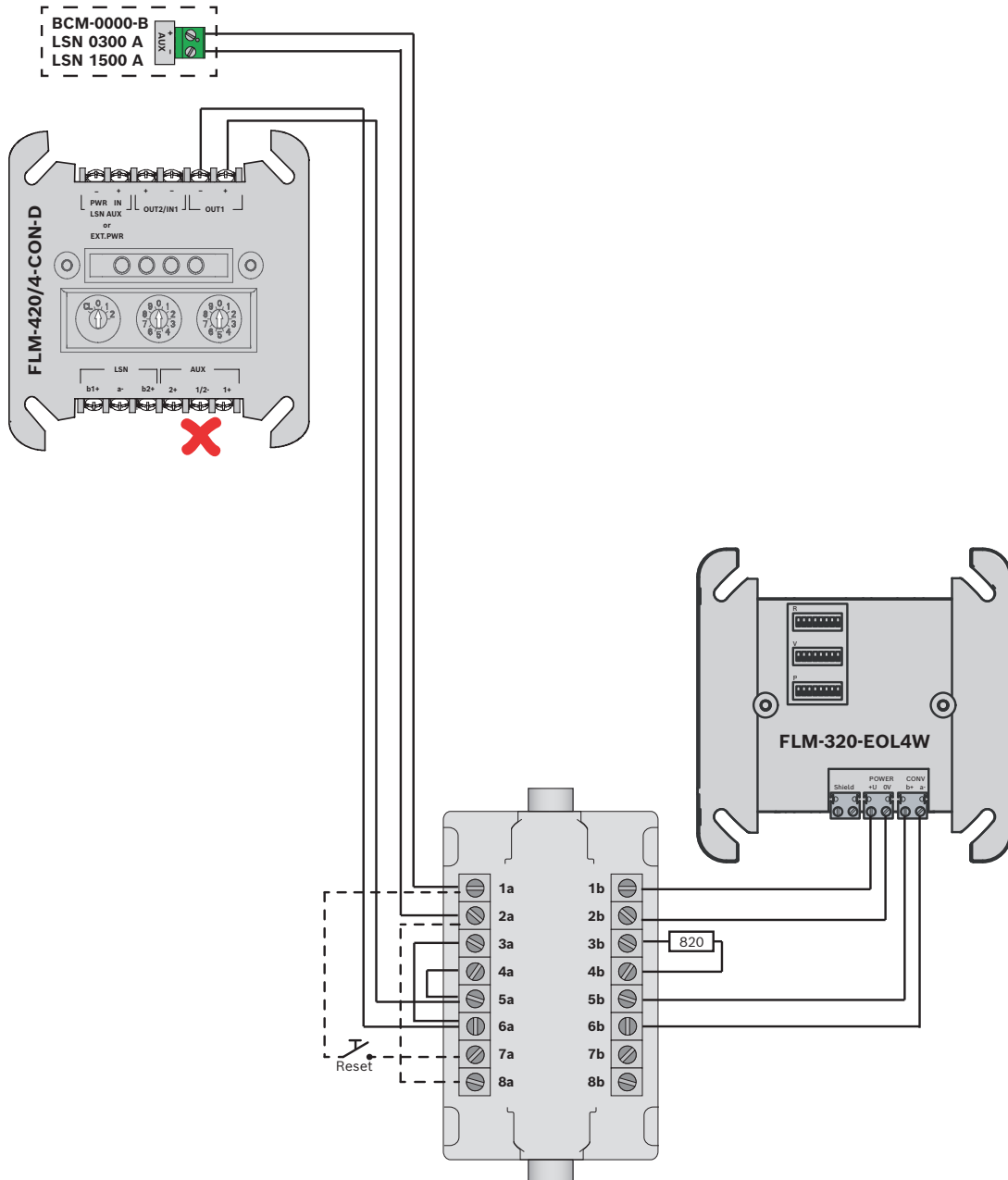


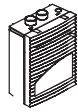


FCS-320-TM Series

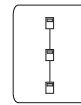


ELS



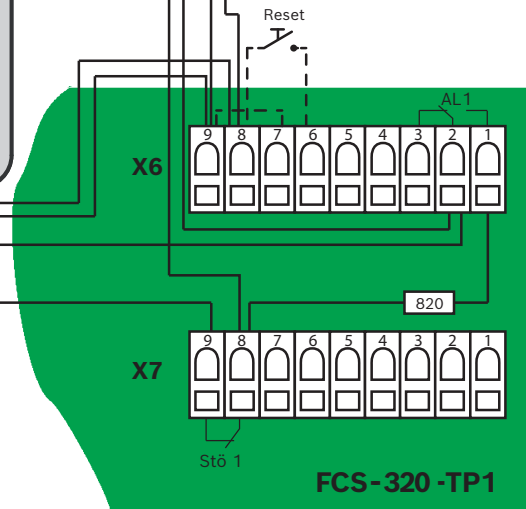
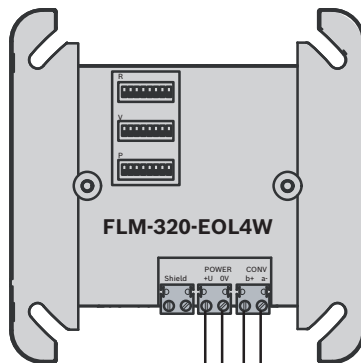
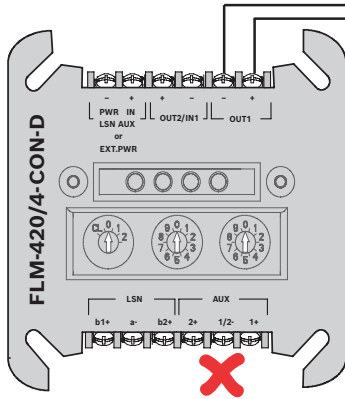


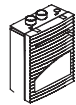
FCS-320-TP Series



ELS

BCM-0000-B  
LSN 0300 A  
LSN 1500 A



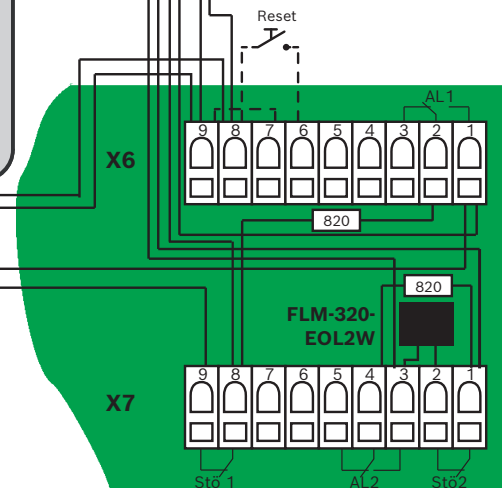
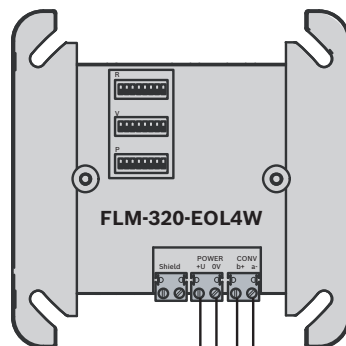
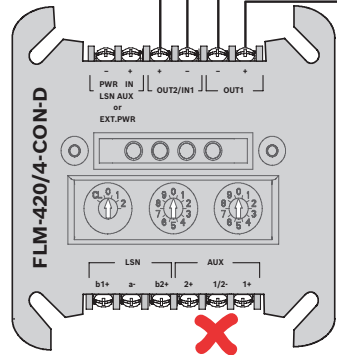


FCS-320-TP Series



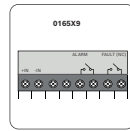
ELS

BCM-0000-B  
LSN 0300 A  
LSN 1500 A

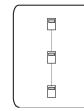


FCS-320-TP2

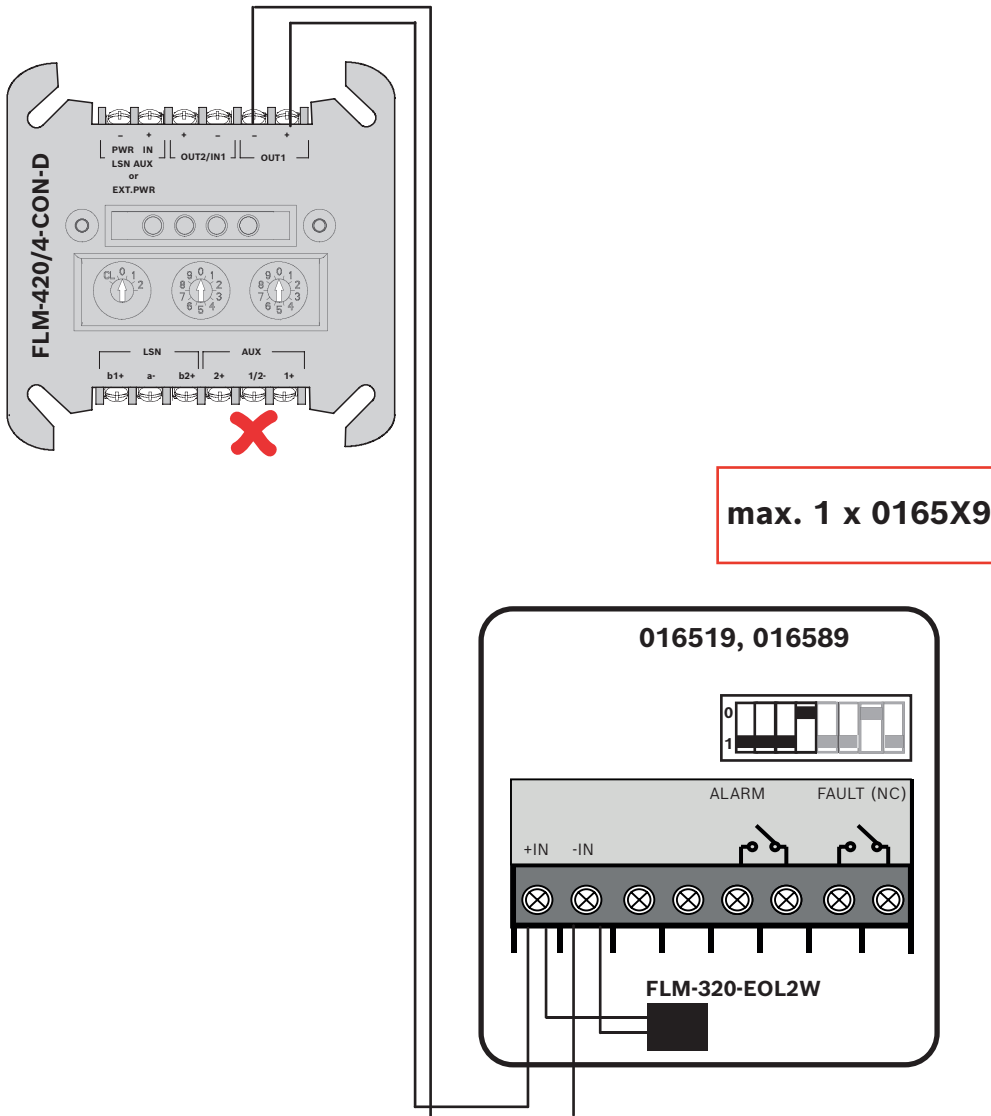


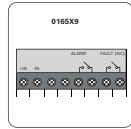


**016519, 016589**  
**IR3 Flame Detector**

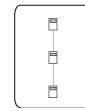


**ELS**

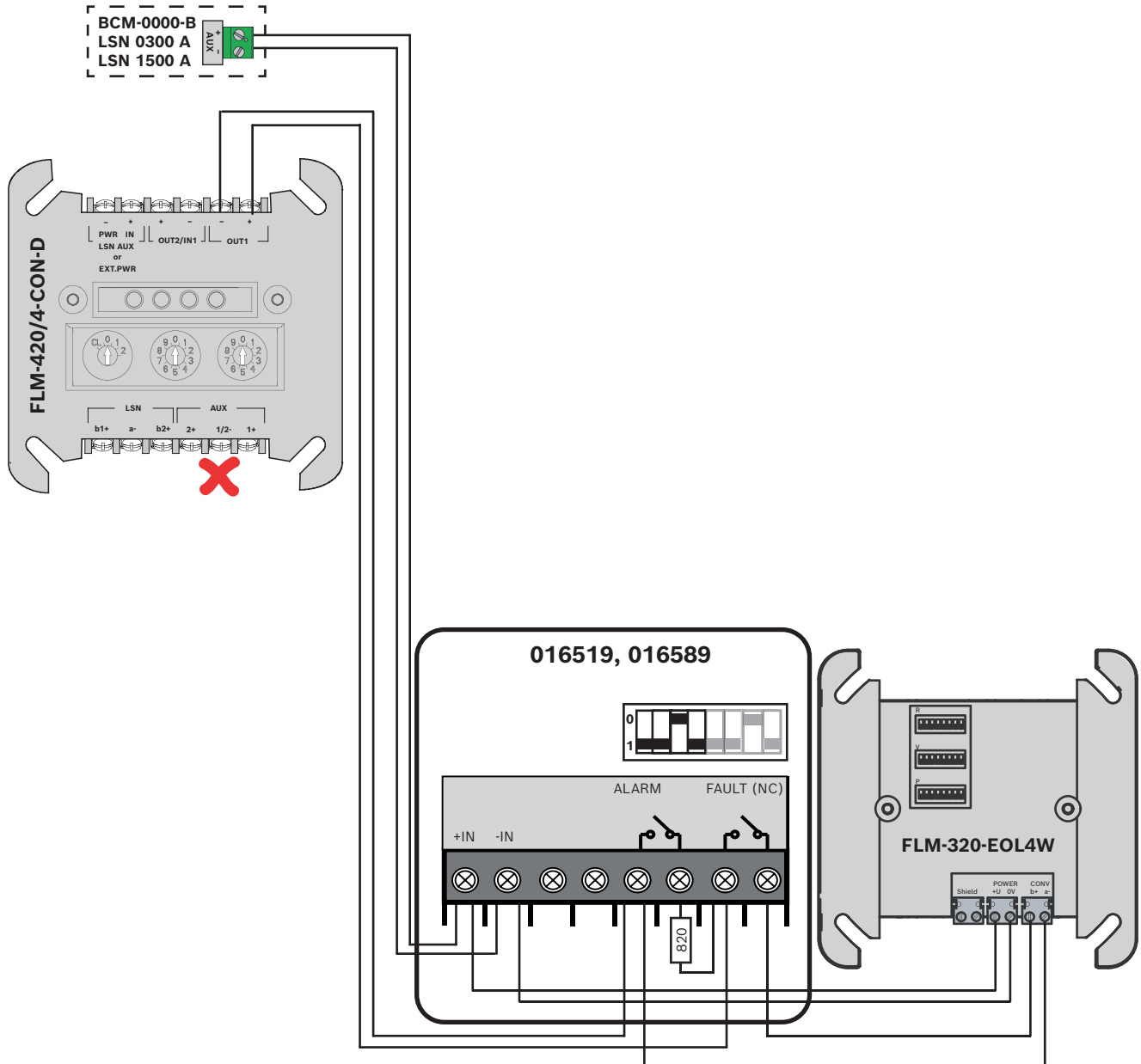




**016519, 016589**  
**IR3 Flame Detector**



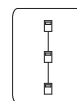
**ELS**



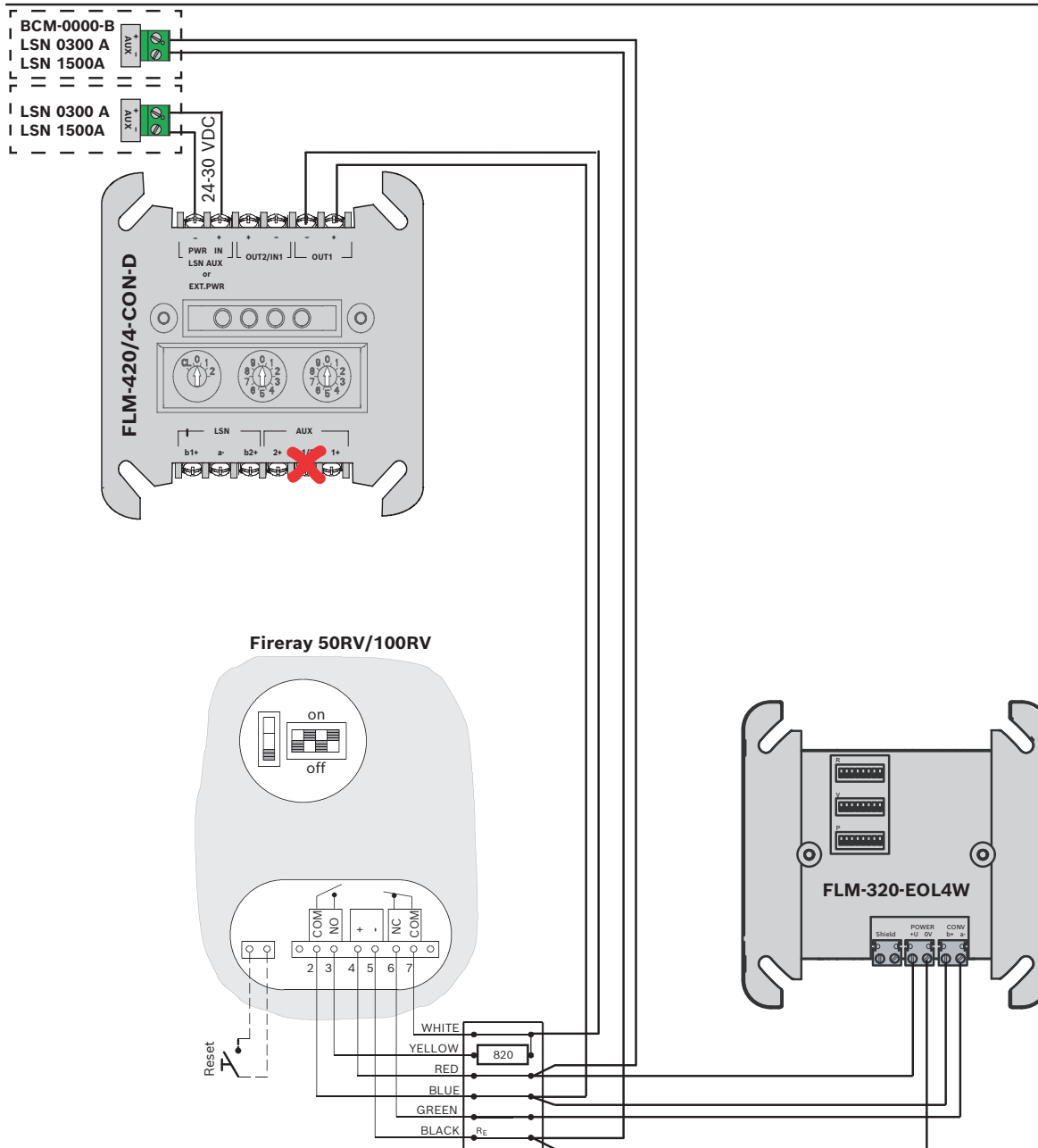




**Fireray 50RV  
Fireray 100RV**



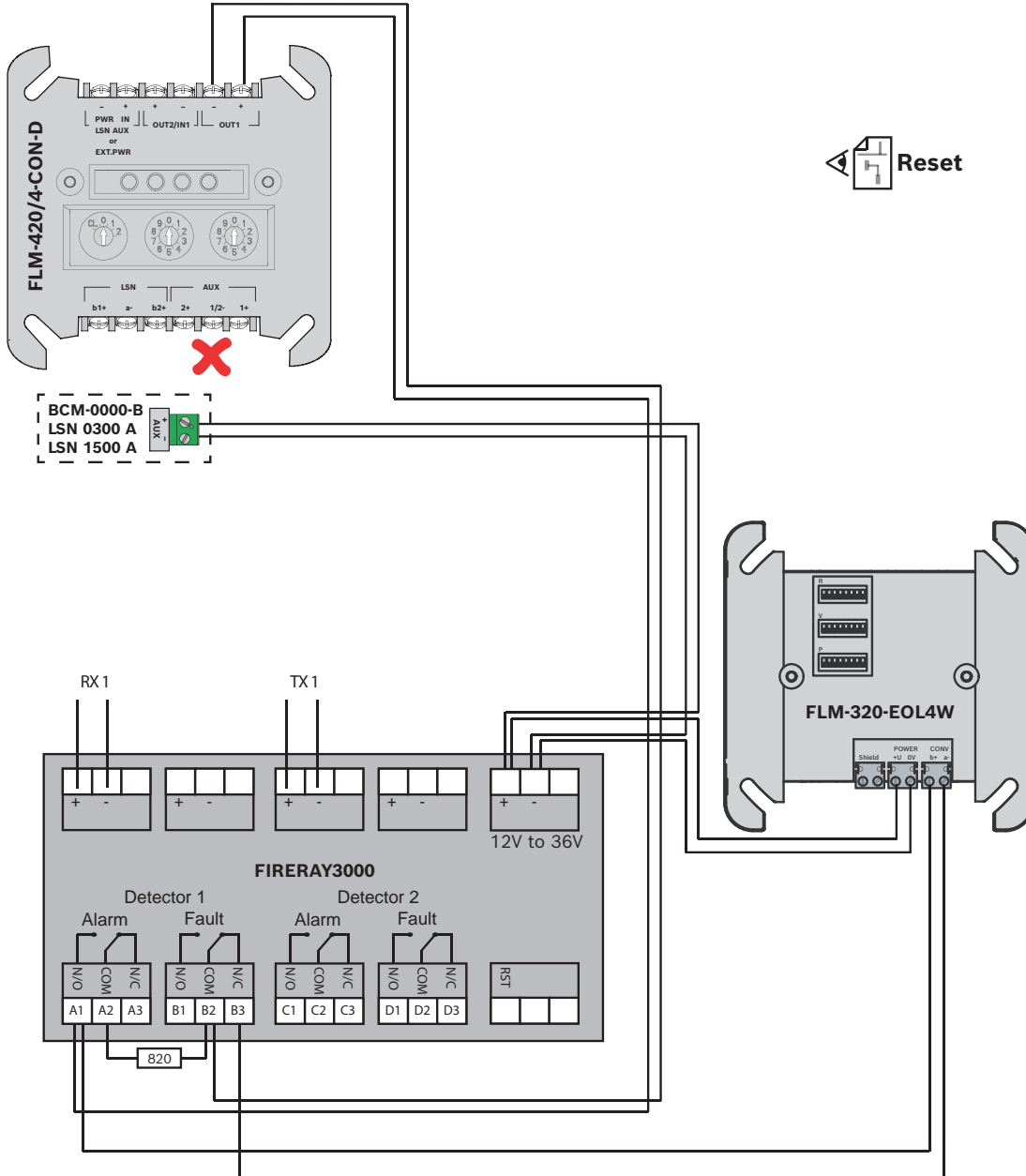
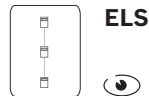
**ELS**





**FIRERAY3000**

1 x

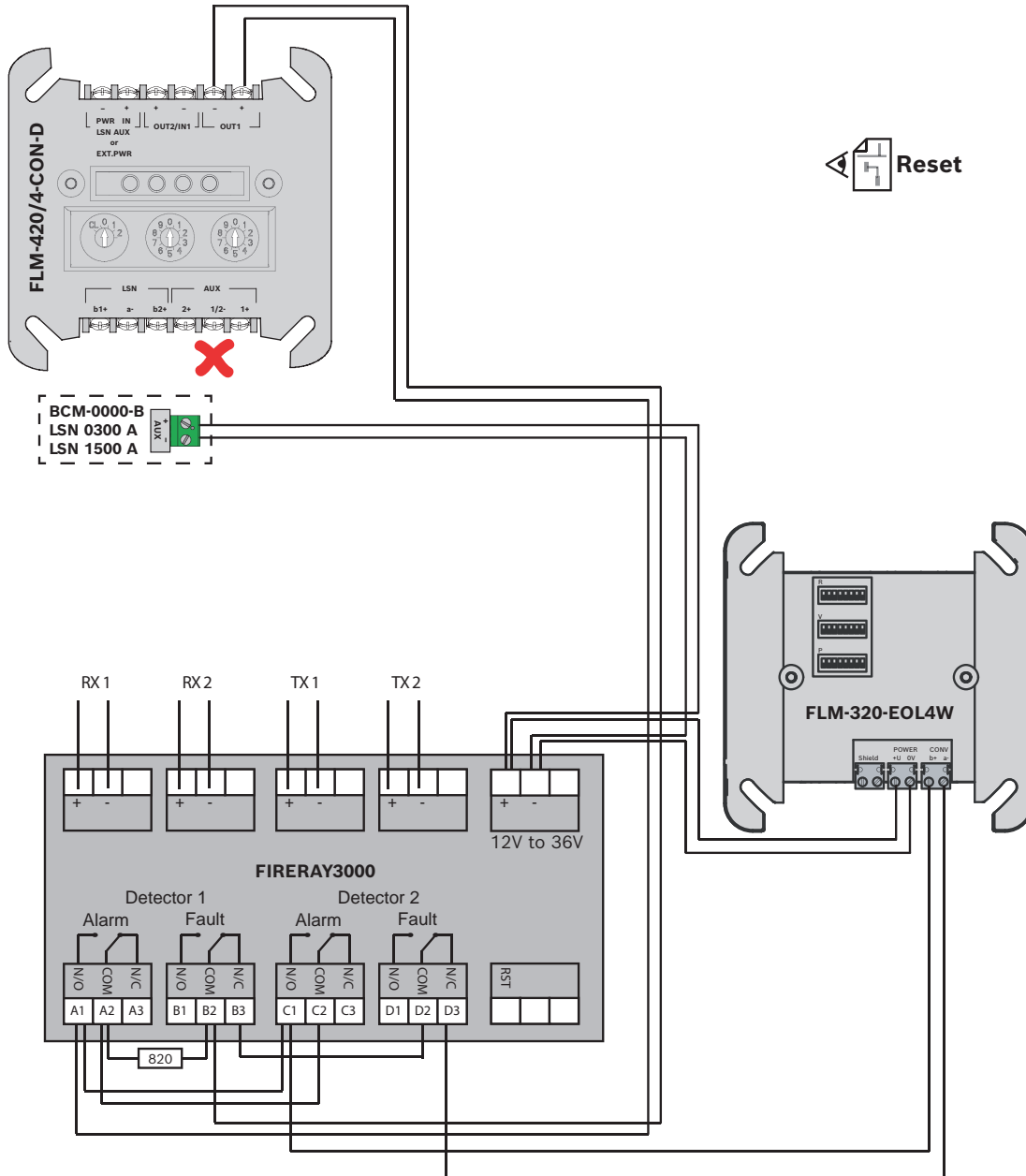




**FIRERAY3000**  
2 x **OUT1**



**ELS**

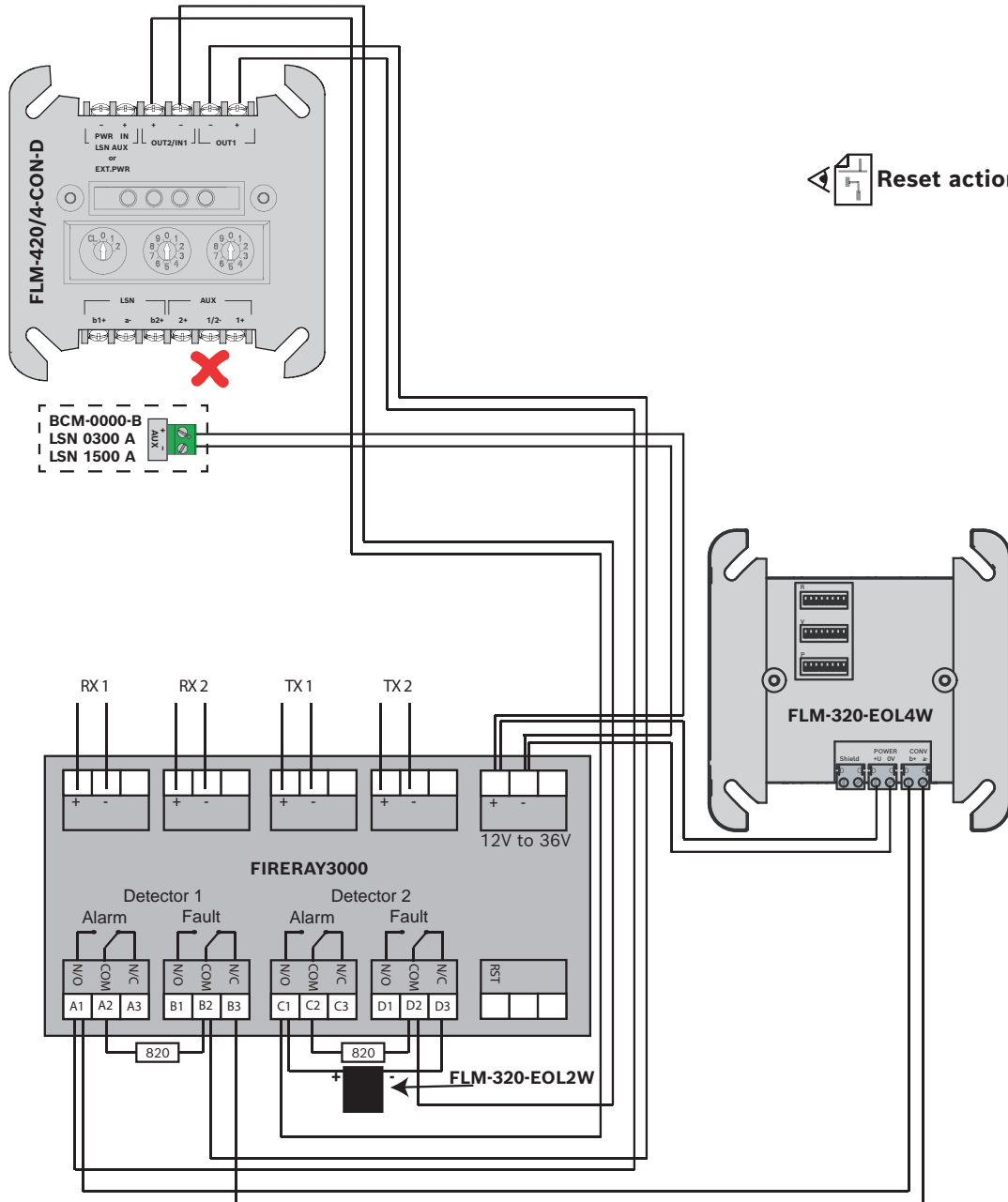




**FIRERAY3000**  
2 x **OUT1+2**



**ELS**



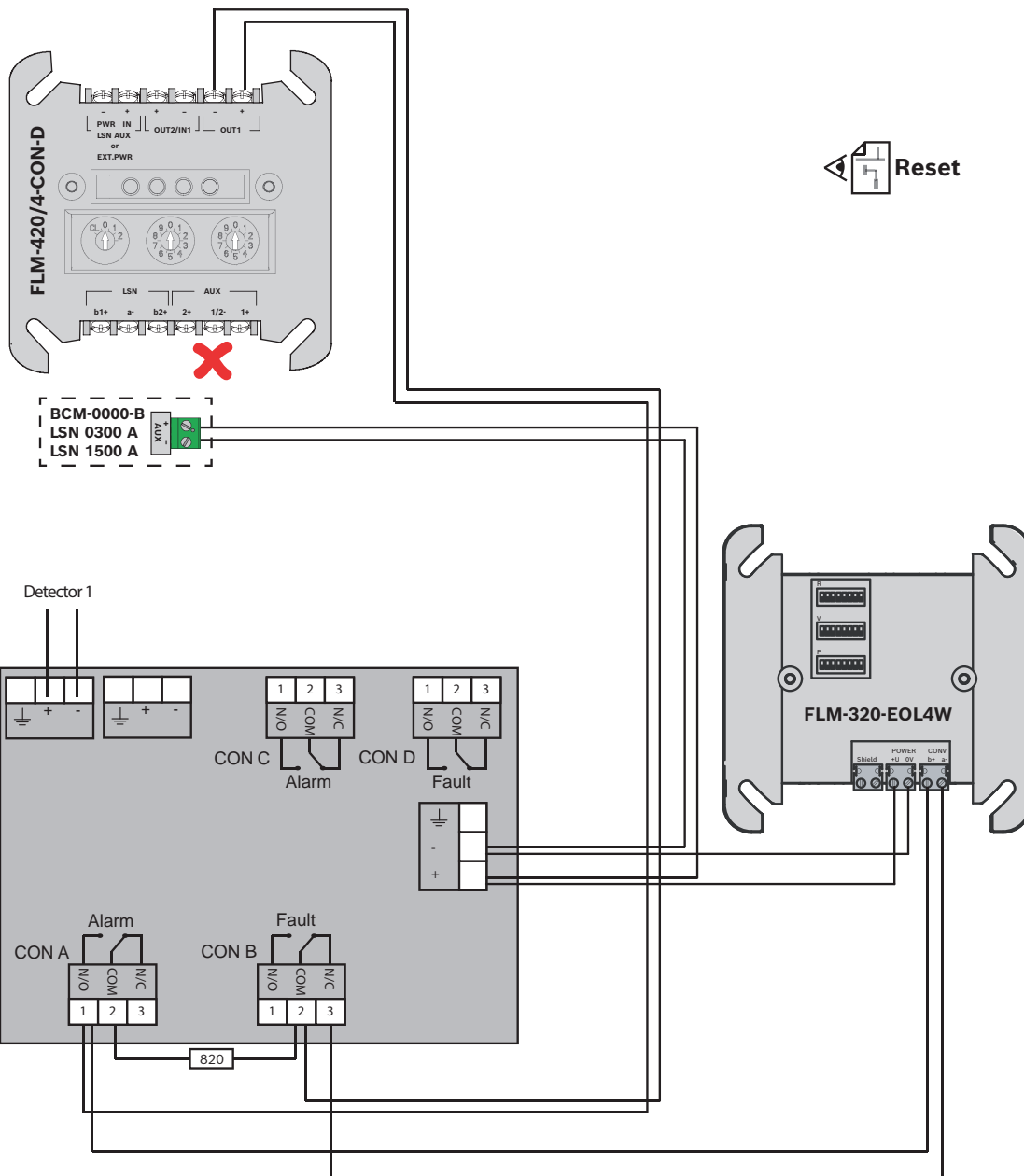


**FIRERAY5000**

1 x



**ELS**

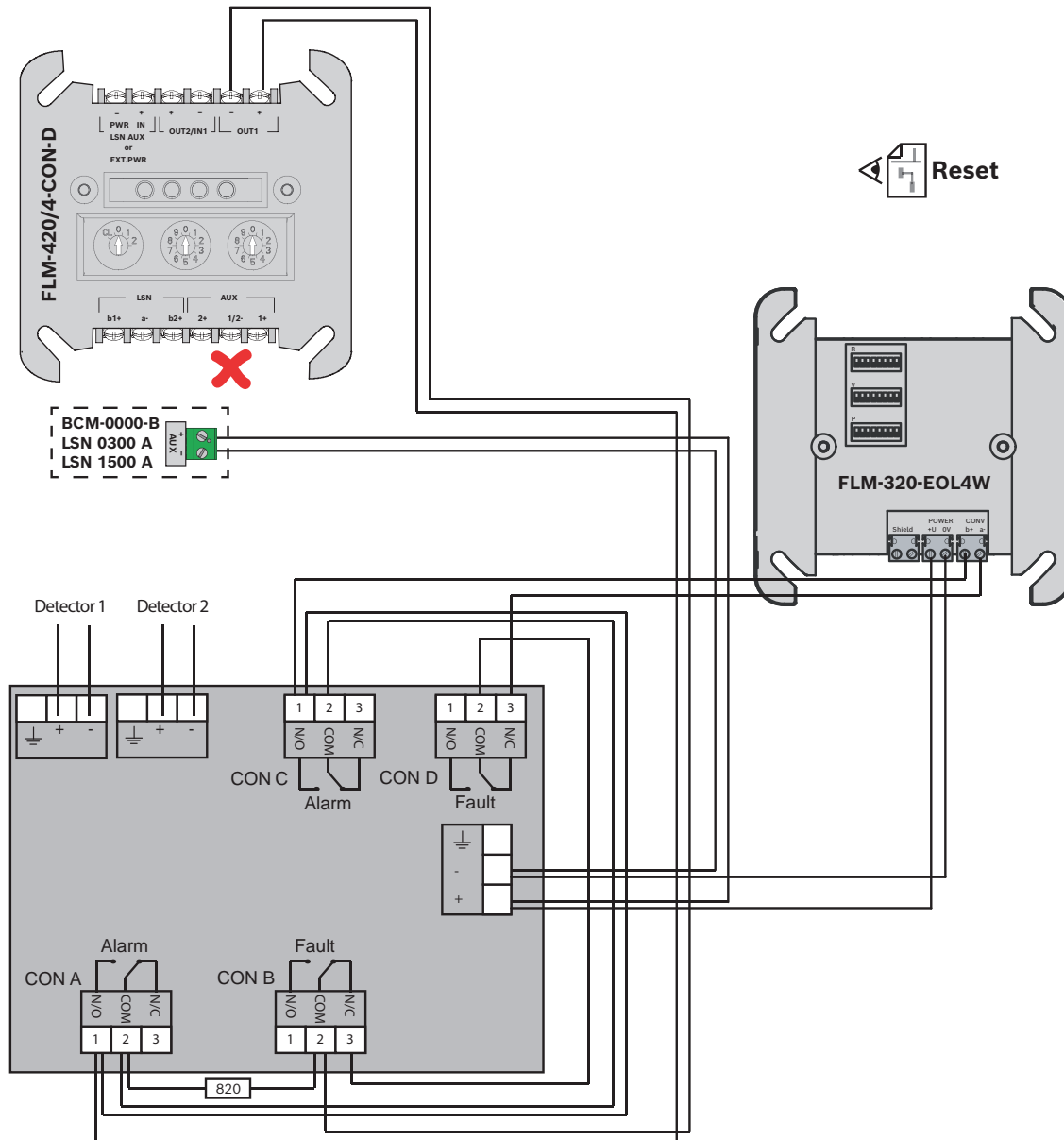




**FIRERAY5000**  
2 x **OUT1**

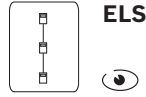


**ELS**



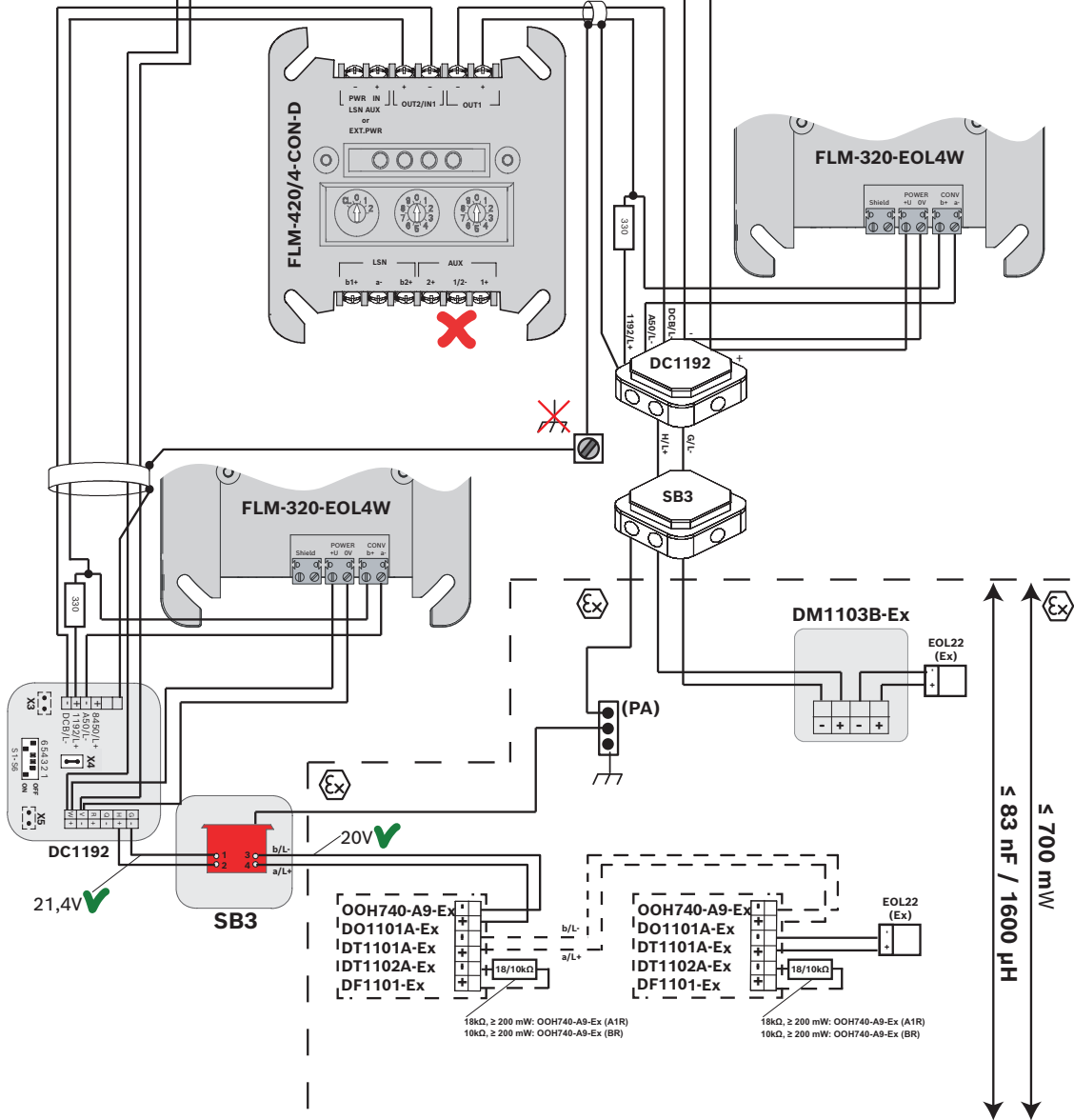


DC1192, SB3  
 OOH740-A9-Ex  
 DO1101A-Ex  
 DT1101A-Ex/DT1102A-Ex  
 DF1101-Ex  
 DM1103B-Ex

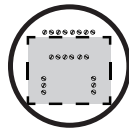


BCM-0000-B  
 LSN 0300 A  
 LSN 1500 A

BCM-0000-B  
 LSN 0300 A  
 LSN 1500 A



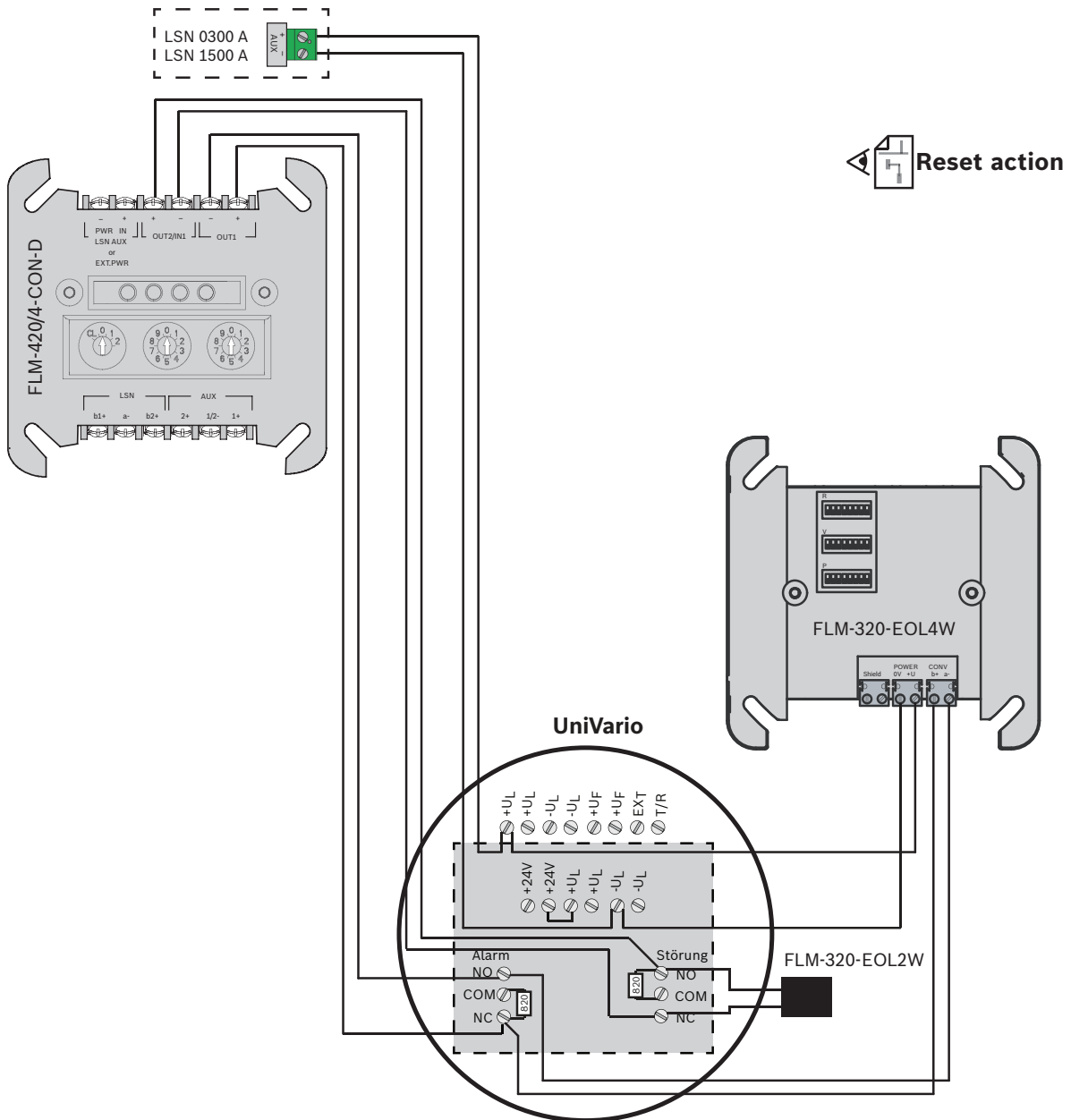
≤ 83 nF / 1600 μH  
 ≤ 700 mW



UniVario WMX5000  
 UniVario FMX5000  
 UniVario KMX5000



ELS





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**Bosch Sicherheitssysteme GmbH**

Robert-Bosch-Ring 5

85630 Grasbrunn

Germany

**[www.boschsecurity.com](http://www.boschsecurity.com)**

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202307120847