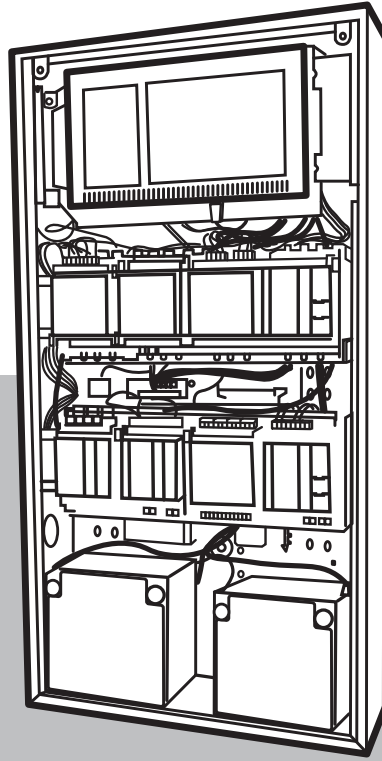


AVENAR panel series



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1 Bildirimler

1.1 İindekiler

Bu Kablo Baęlantı Őeması, prensipte evre birimlerinin FACP'ye nasıl baęlanacaęını gsterir. Ulusal ve yerel dzenlemeler dikkate alınmaz. Ulusal ve yerel gerekliliklerin uygulanması daha fazla baęlantıya neden olabilir.



Uyarı!

Bu belgede aıklanan baęlantılar tek bileŐenlerin AVENAR panel 2000'ın Bosch Sicherheitssysteme GmbH onaylı uzantıları olması Őartıyla AVENAR panel 2000 iin de geerlidir.



Uyarı!

Bu belgede aıklanan LSN 0300 A baęlantıları LSN 1500 A modl iin de geerlidir. LSN 1500 A modl iin, VdS 2540'a uygunluęun gerekli olduęu Almanya'daki montajlar iin AUX hattının ve LSN hattının ayrı kablolarda olması gerektięini dŐnn.

1.2 Ürün Bilgileri

- FACP'nin diğer parçalarına ait montaj talimatlarını ekteki Montaj Kılavuzunda bulabilirsiniz.
- İnternette www.boschsecurity.com adresinde daha fazla bilgi (Kullanım kılavuzları, Ağ kılavuzu, Sistem kılavuzu) bulabilirsiniz.

1.3 Önemli Açıklamalar

- Kurulum malzemelerini sadece Bosch Güvenlik Sistemleri tarafından önerilen şekilde kullanın.
- Dönüştürme ve lehim çalışmaları yaparken mutlaka topraklama bilekliği kullanın.
- Montaj ve kurulum yalnızca yetkili personel tarafından gerçekleştirilmelidir.
- Yerel yetkililerin/kurumların bağlantı kriterlerini dikkate alın.



Tehlike!

Elektrik yüklü parçalara dokunmak ölümcül olabilir.
Kurulum işleminden önce güç kaynağı bağlantısını kesin.

Kablo koruyucu

CZM 0004 A'ya giden iki kablo bağlantısının tamamı ve aşağıdaki ürünleri bağlamak için kablo koruyucu gereklidir:

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

Aşağıdaki örnek kablo bağlantısı, kablo koruyucunun nasıl uygulanacağını göstermektedir.

Uyarı!

LSN kablosu için kablo koruyucu bağlanması gerekiyorsa LSN teknik özelliklerine göre ilerleyin.

- Panel tarafındaki LSN kablo muhafazasını belirlenen işlevsel toprak konektörüne bağlayın: Döngünün başında ve sonunda iki bağlantı, saplamanın başında bir bağlantı
- Tüm LSN çevre birimlerindeki kablo muhafazasını verilen terminalleri kullanarak yerleştirin
- Herhangi bir yerdeki toprak konektörlerine veya diğer elektrik potansiyeline ek LSN kablo muhafazası bağlantısına izin verilmez.



1.4 Kullanıcı Notları

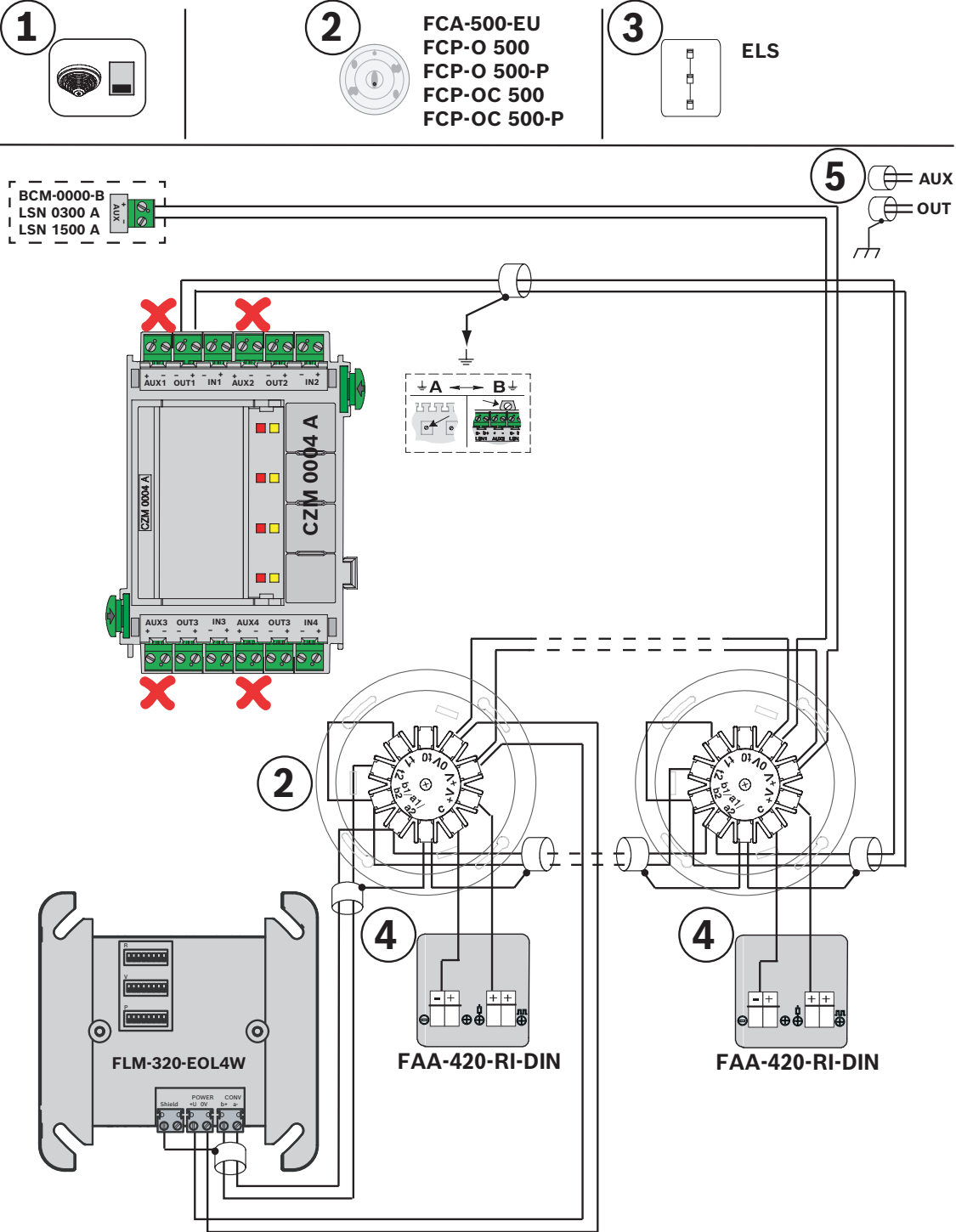
Bu kablo bağlantı şeması aşağıdaki şekilde yapılandırılmıştır:

- Kablo bağlantısı bölümü saha elemanının bağlandığı cihaza göre sıralanmıştır. Bir kablo bağlantısı bir cihazın diğer cihaza doğrudan bağlantısını gösterir (kademeli bağlantı yok).
- EOL bölümündeki sürünme açık izleme için ek EOL modülleriyle zenginleştirilmiş kablo bağlantı koleksiyonunun tamamını bulabilirsiniz.

Gerekli kablo bağlantısını bulmak için şunları da kullanabilirsiniz:






- Kablo bağlantısı bölümü ile Fonksiyonel modüller, Arayüz modülleri bölümleri ve EOL'nin başındaki içindikiler bölümü.
- Index (tarafsız dil),
- ve tam metin arama.

Aşağıdaki örnek kablo bağlantısına bakın:






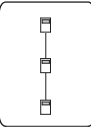
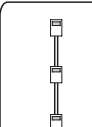
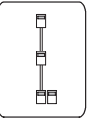
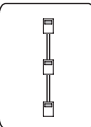
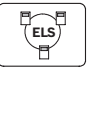


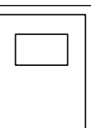





1	Bölüm sembolleri (<i>Bölüm Sembolleri, sayfa 7</i>)
2	Bağlanabilir saha elemanları
3	Bağlantı sembolleri (<i>Bağlantı Sembolleri, sayfa 7</i>)
4	Opsiyonel parçalar
5	Güç Kaynağı ve Kablo Bağlantısı (<i>Güç Kaynağı ve Kablo Bağlantısı, sayfa 8</i>)

1.4.1 Bölüm Sembolleri



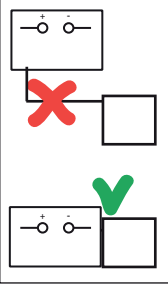
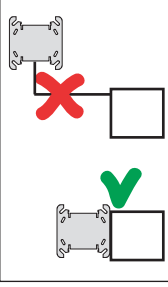

	Otomatik dedektörler		Çalışma ve ekran panelleri		Yazıcı
	Güç kaynağı		Fonksiyonel modüller		Yangın servis ekipmanı
	Arayüz modülleri		Yangın söndürme sistemleri		Manuel yangın butonları
	Sinyal cihazları		Kapı kontrolleri		Aktarım üniteleri

1.4.2 Bağlantı Sembolleri

	Zorunlu kablo bağlantısı	-----	İsteğe bağlı kablo bağlantısı		İzin verilmiyor
	Yedekleme		Döngü kablo bağlantısı		Yedek elemanlı döngü kablo bağlantısı
	Stub kablo bağlantısı		Yedek stub kablo bağlantısı		Yedek elemanlı stub kablo bağlantısı
	Yedek elemanlı yedek stub kablo bağlantısı	ELS	Bu kablo bağlantısı Uzatılmış Hat Denetimi'nin kısaltması olan ve sürüklenen kısa devre ve sürüklenen açık izleme anlamına gelen VdS 2489 / VdS 2540 / VdS 2541 / VdS 2543. ELS ile uyumludur. Bu kablo bağlantısı ELS sunar. Sürüklenen bir kısa devre şu modüller tarafından algılanır: LSN 0300 A, LSN 1500 A ve FPP-5000-TI13 kullanılırken BCM-0000-B.		Bu döngü kablo bağlantısı VdS 2489 / VdS 2540 / VdS 2541 / VdS 2543 ile uyumludur. ELS sunar. Ek EOL modülleri gerekli değildir.
	Eşitleme		Patlama tehlikesi bulunan alanlar		Panel
	Bağımsız panel		Yedekli bağımsız panel		Dedektör tabanları için: Kablo bağlantısı yalnızca dedektörün monte edildiği dedektör tabanı için geçerlidir.

EN 54-2, DIBT vb.	Bu standarda uygunluk gerekiyorsa belirtilen kablo bağlantısını kullanın.				
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1.4.3 Güç Kaynağı ve Kablo Bağlantısı

	Kablo, 2 kablo gereklidir.
	Korumalı kablo, 2 kablo gereklidir.
	Güç kaynağını içeren ürünün muhafazası, elemanla aynı hizada olacak şekilde monte edilmelidir.
	Arayüz modülü için gömme montaj gereklidir.
 Reset action	Bu kılavuздaki kablo bağlantısına bakın. Cihazın otomatik olarak sıfırlanmasını sağlamak için sıfırlama işlemini uygulamanız gerekir.

1.5 Direnç Değerleri

Aşağıdaki tabloda direnç renk kodları hakkında genel bilgiler verilmektedir. Ürünle birlikte verilen metal film dirençler, direnç değerini gösteren 5 renkli şeritlere sahiptir.

Renk	1. şerit	2. şerit	3. şerit	4. şerit (çarpan)	5. şerit (hata payı)
Gümüş				10 ⁻²	±10%
Altın				10 ⁻¹	±5%
Siyah		0	0	10 ⁰	
Kahverengi	1	1	1	10 ¹	±1%
Kırmızı	2	2	2	10 ²	±2%
Turuncu	3	3	3	10 ³	±0.05%
Sarı	4	4	4	10 ⁴	±0.02%
Yeşil	5	5	5	10 ⁵	±0.5%

Renk	1. řerit	2. řerit	3. řerit	4. řerit (ęarpan)	5. řerit (hata payı)
Mavi	6	6	6	10 ⁶	±0.25%
Mor	7	7	7	10 ⁷	±0.1%
Gri	8	8	8	10 ⁸	±0.01%
Beyaz	9	9	9	10 ⁹	

DIN EN 60062:2017 uyarınca

Turuncu — beyaz — siyah — kahverengi — kahverengi: %1 hata payına sahip 3,9 k Ohm direnę,
Kırmızı — kırmızı — siyah — kahverengi — kahverengi: %1 hata payına sahip 2,2 k Ohm direnę.

2 Wiring



FPP-5000 Power supply, sayfa 11

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

DIBT, sayfa 15

Functional Modules, sayfa 42

BCM-000-B, sayfa 43

CZM 0004 A, sayfa 45

ENO 0000 A/B, sayfa 61

LSN 0300 A, sayfa 68

NZM 0002 A, sayfa 106

RMH 0002 A, sayfa 119

IOS 0020 A, sayfa 120

FPE-5000-UGM, sayfa 122

Interface Modules, sayfa 124

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

FLM-420-I8R1-S, sayfa 158

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

FLM-420-RHV, sayfa 172

FLM-420-RLE-S, sayfa 184

FLM-420-RLV1-E, sayfa 185

FLM-420-RLV8-S, sayfa 186

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

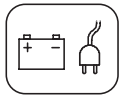
EOL, sayfa 188

CZM 0004 A, sayfa 189

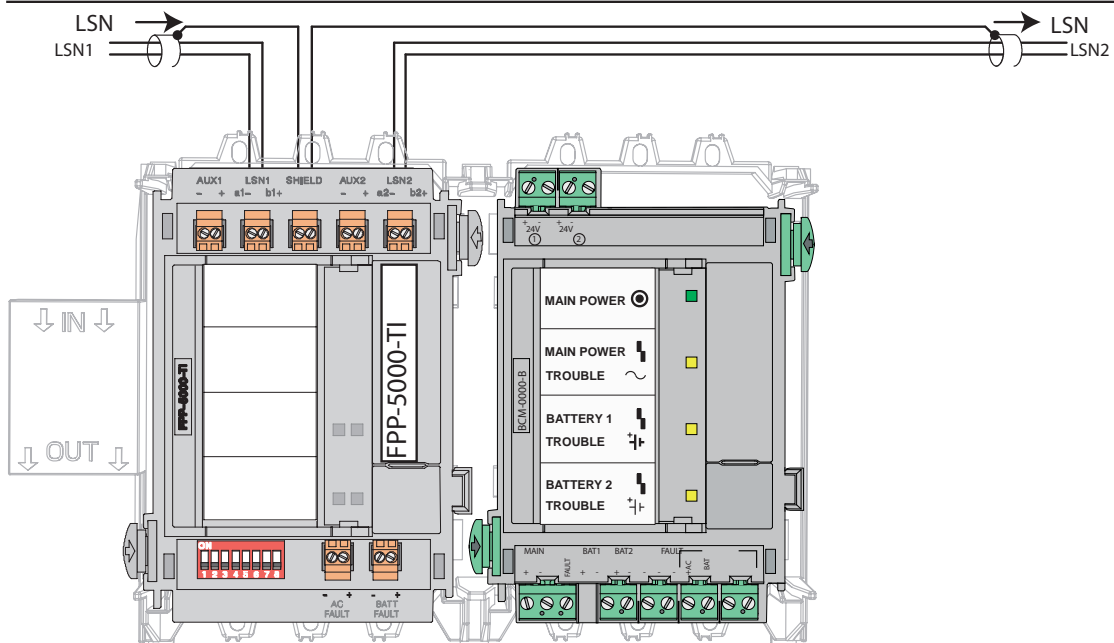
LSN 0300 A, sayfa 201

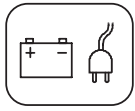
FLM-420/4-CON-S/D, sayfa 246

2.1 FPP-5000 Power supply



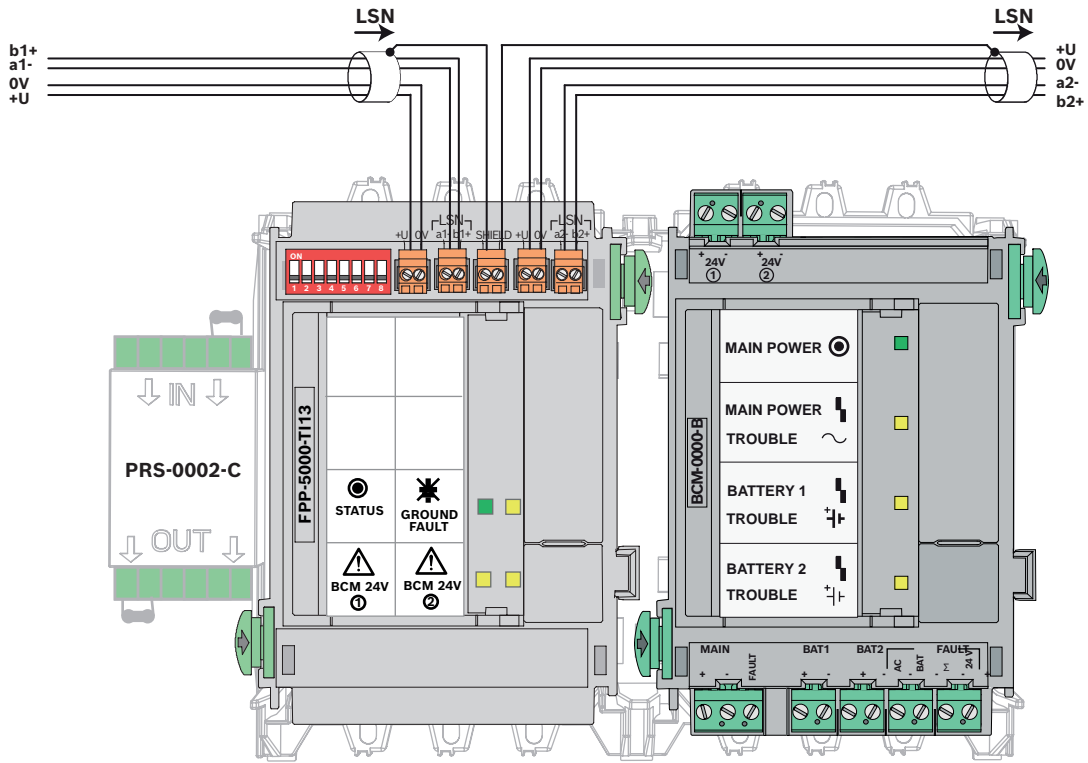
FPP-5000-TI



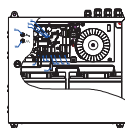
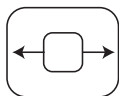


FPP-5000-TI13

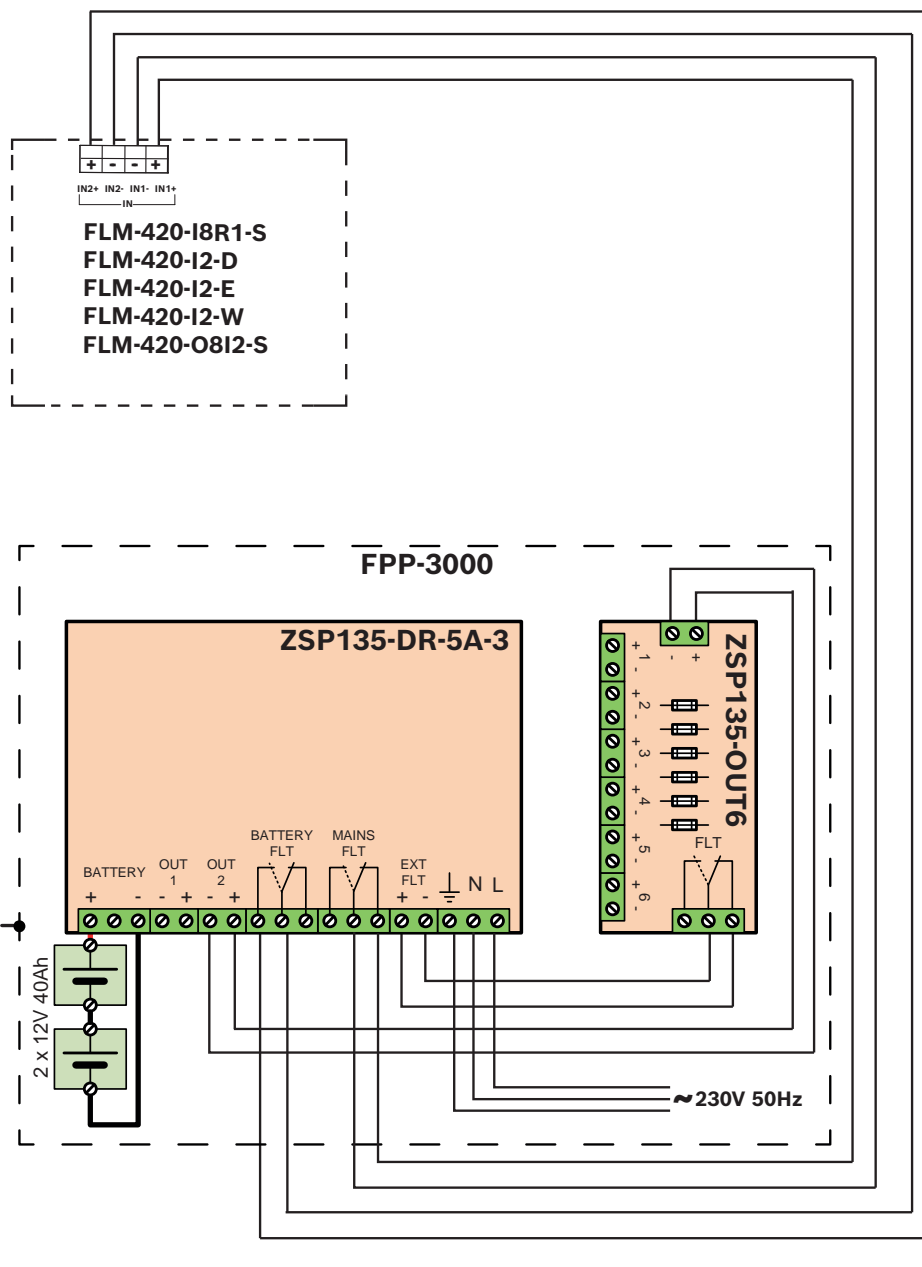
ELS



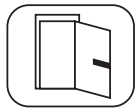
2.2 FPP-3000 Power supply (ZSP135-DR-5A-3/ZSP135-OUT6)



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

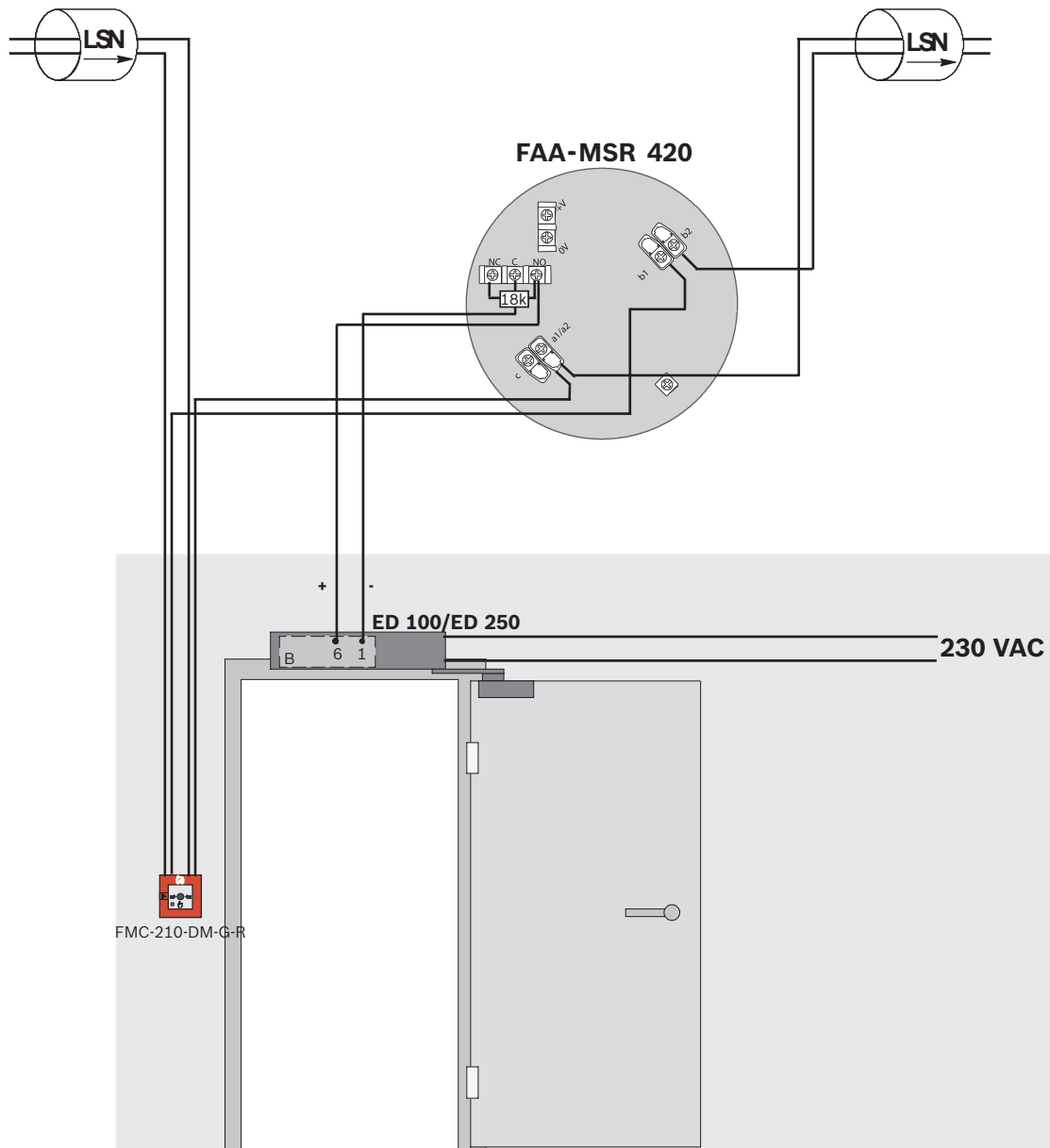


2.3 DIBT



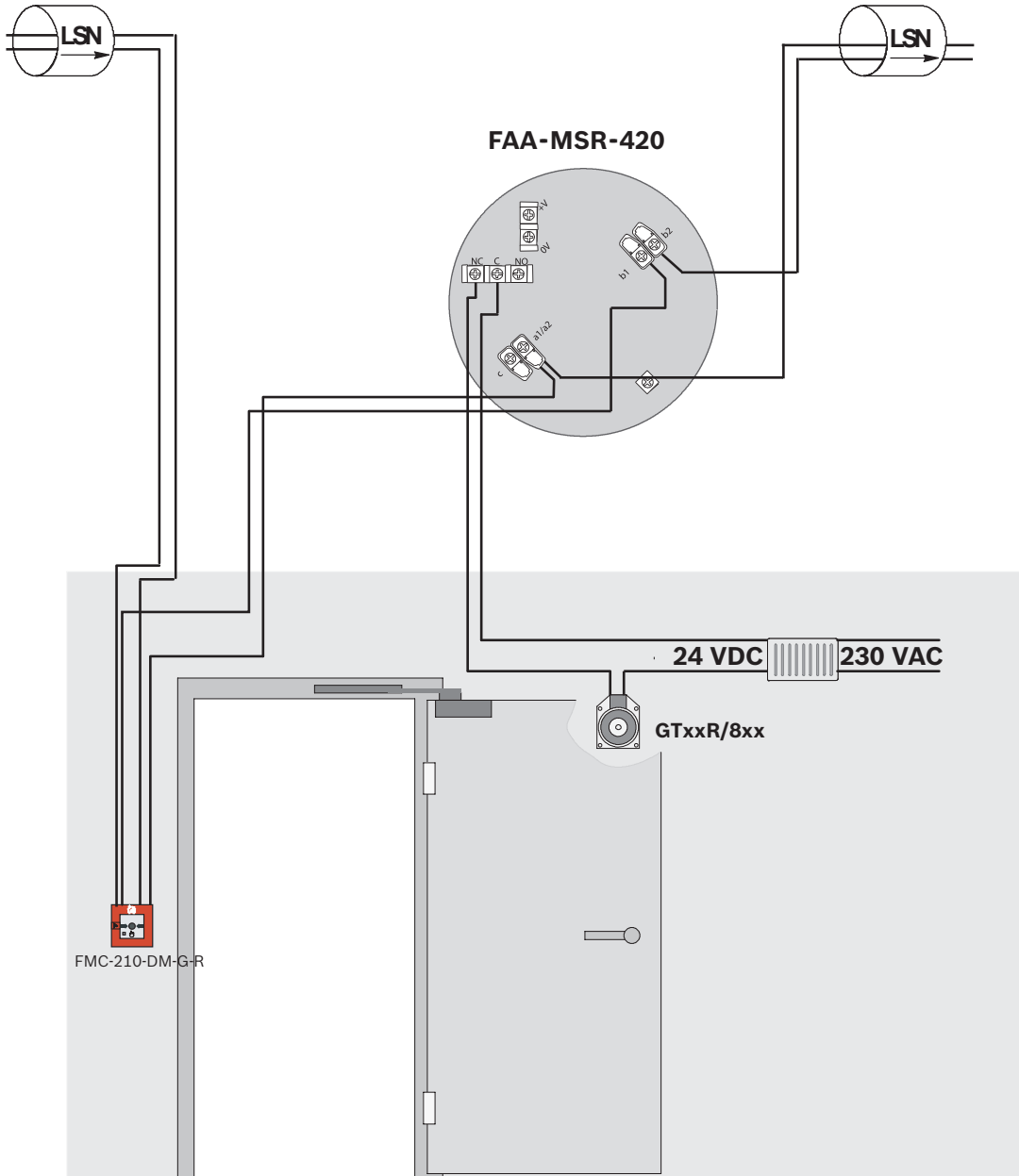
**ED 100
ED 250
(+Upgrade Card B)**

DIBT



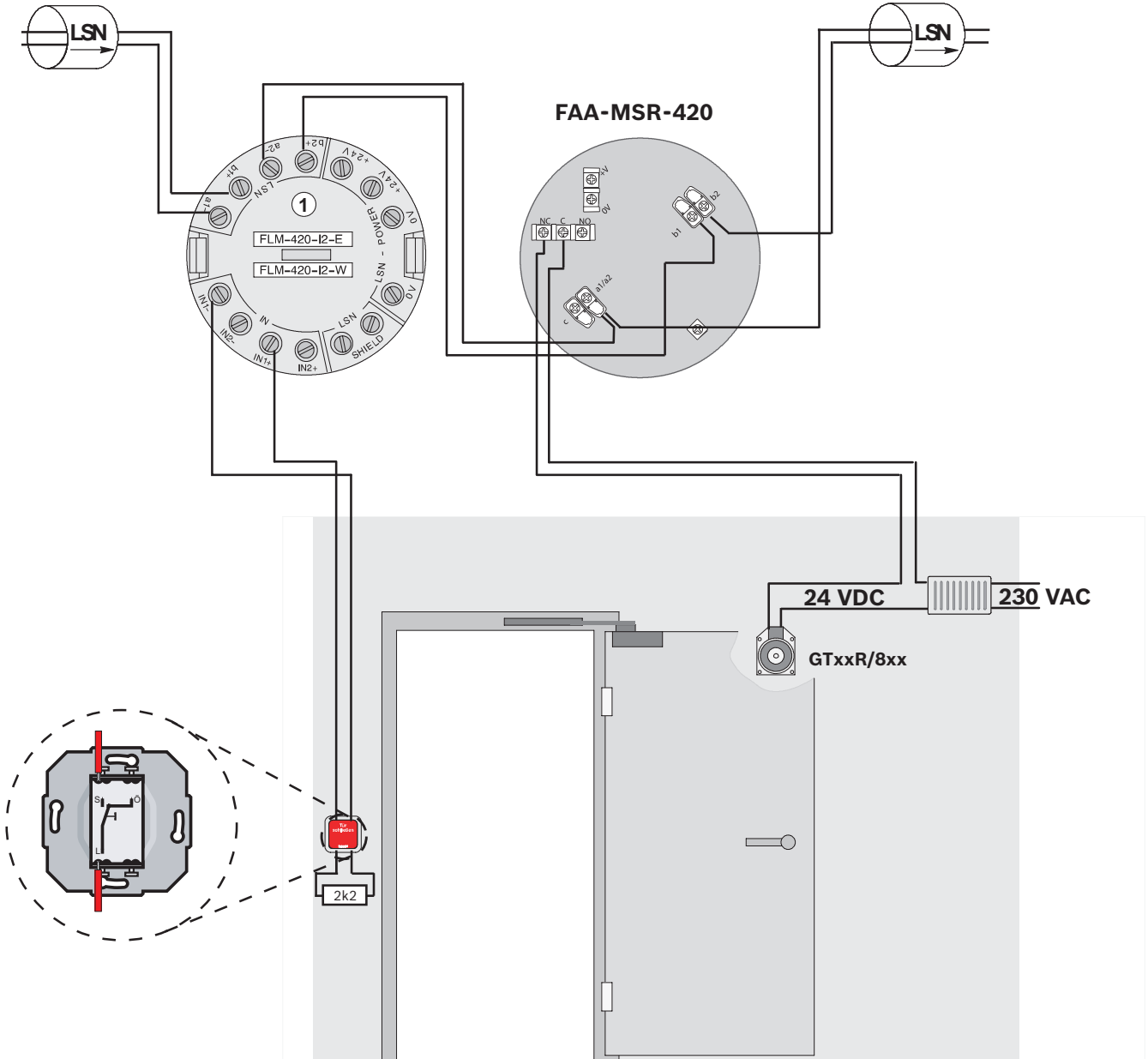


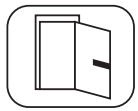
DIBT





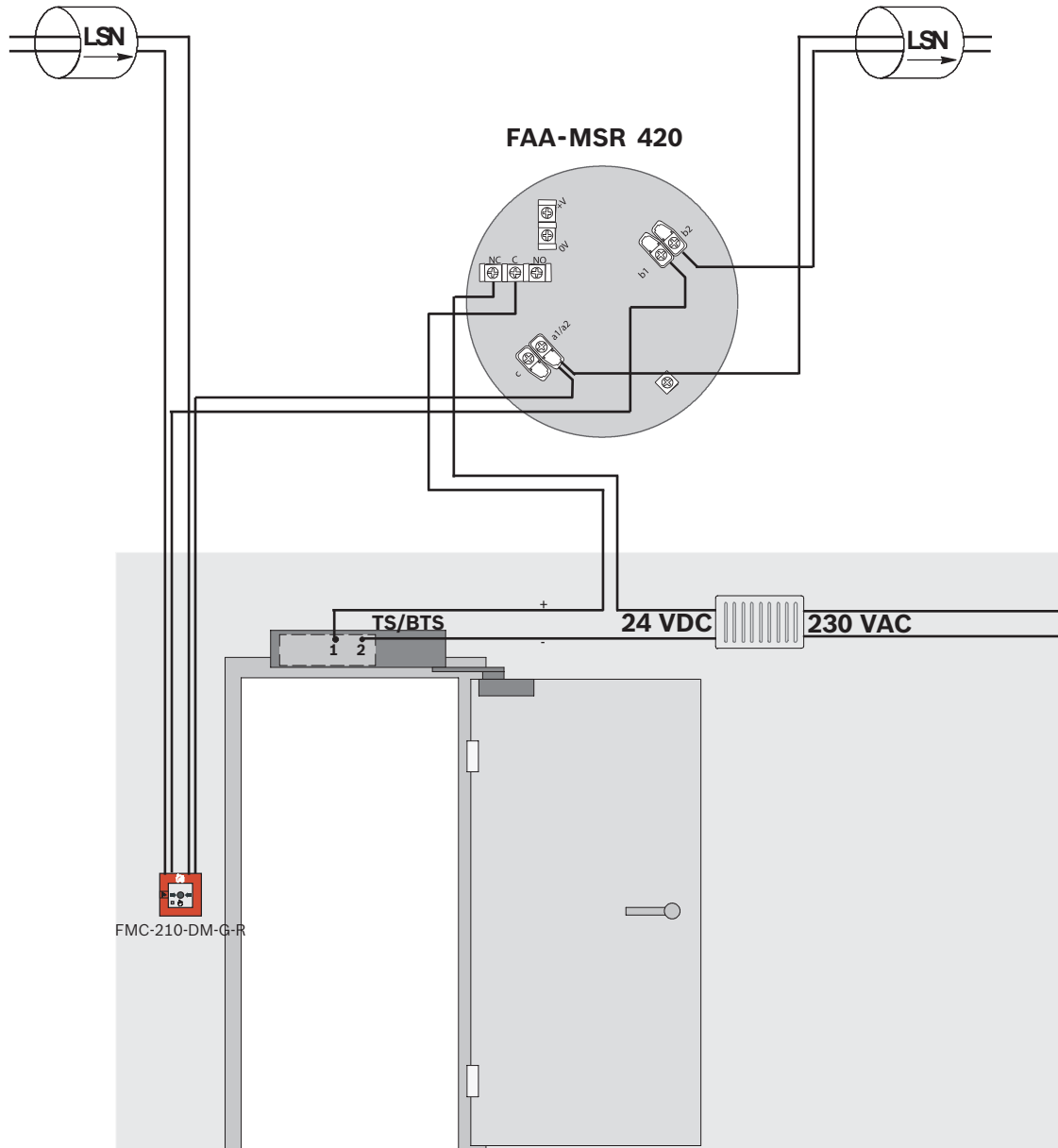
DIBT

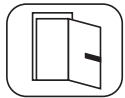




TS 73 EMF
 TS 93 EMF
 TS 93 GSR
 BTS 80 EMB
 BTS 80 FLB

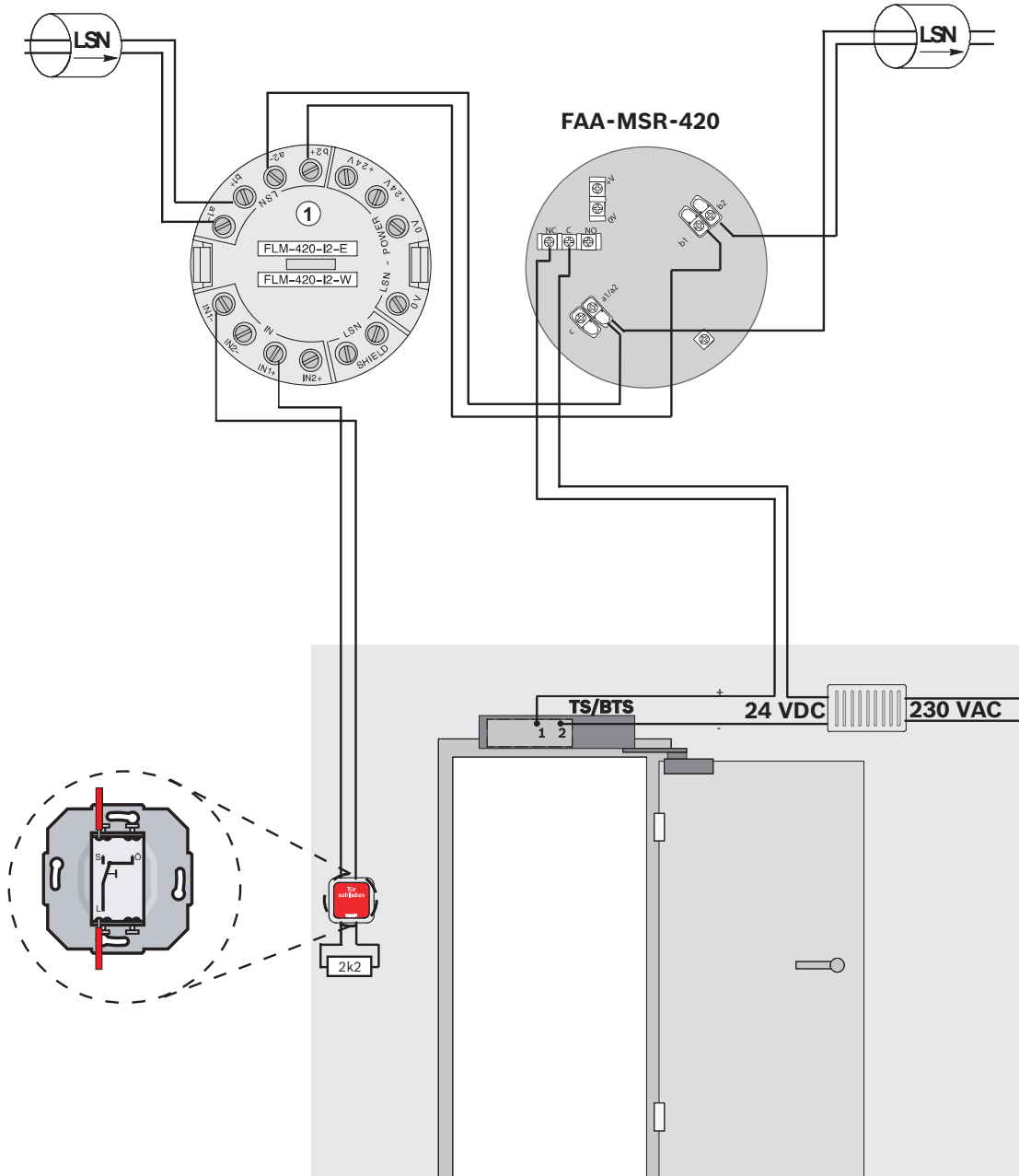
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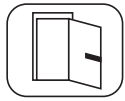




TS 73 EMF
 TS 93 EMF
 TS 93 GSR
 BTS 80 EMB
 BTS 80 FLB

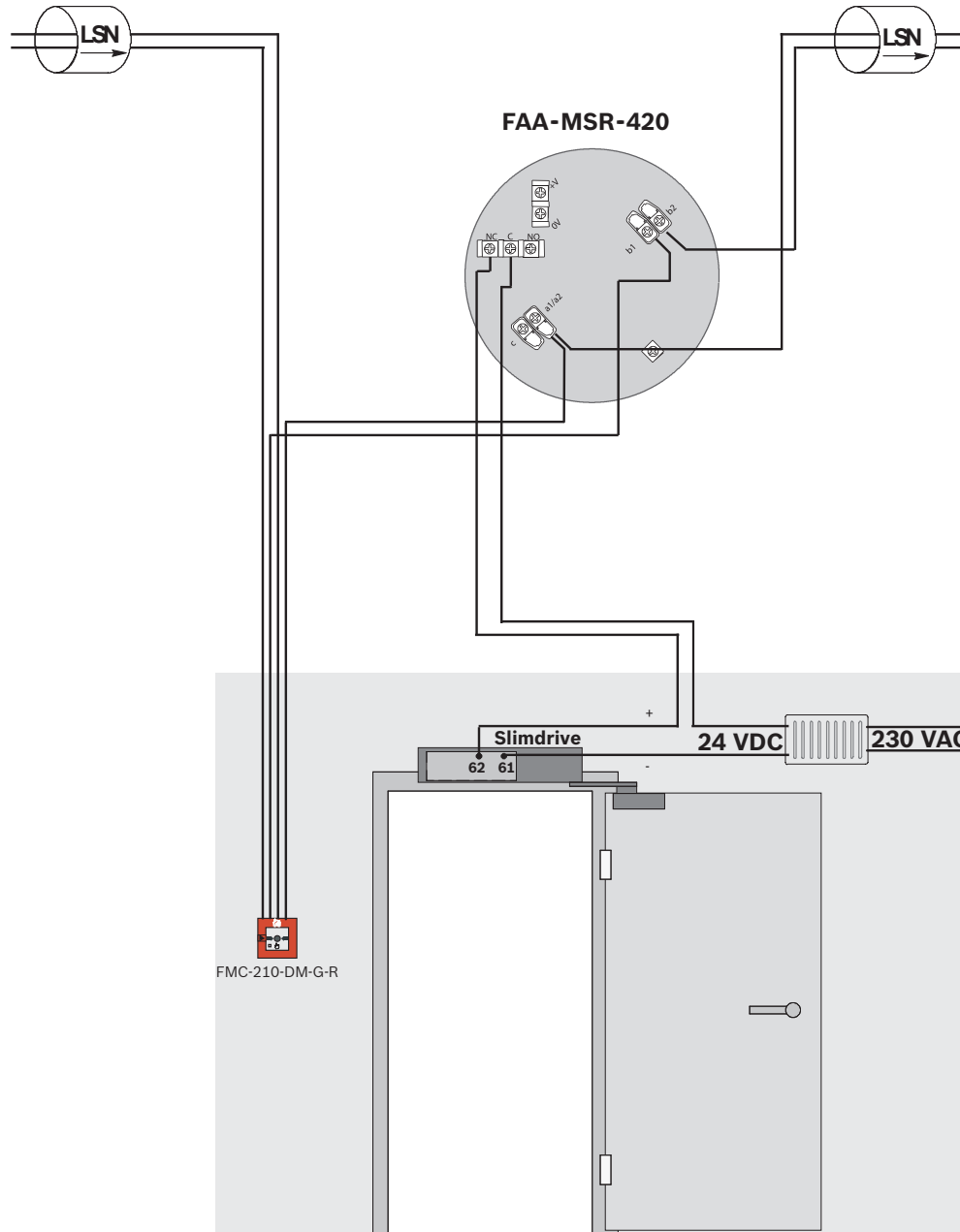
DIBT





Slimdrive EMD-F/EMD F-IS

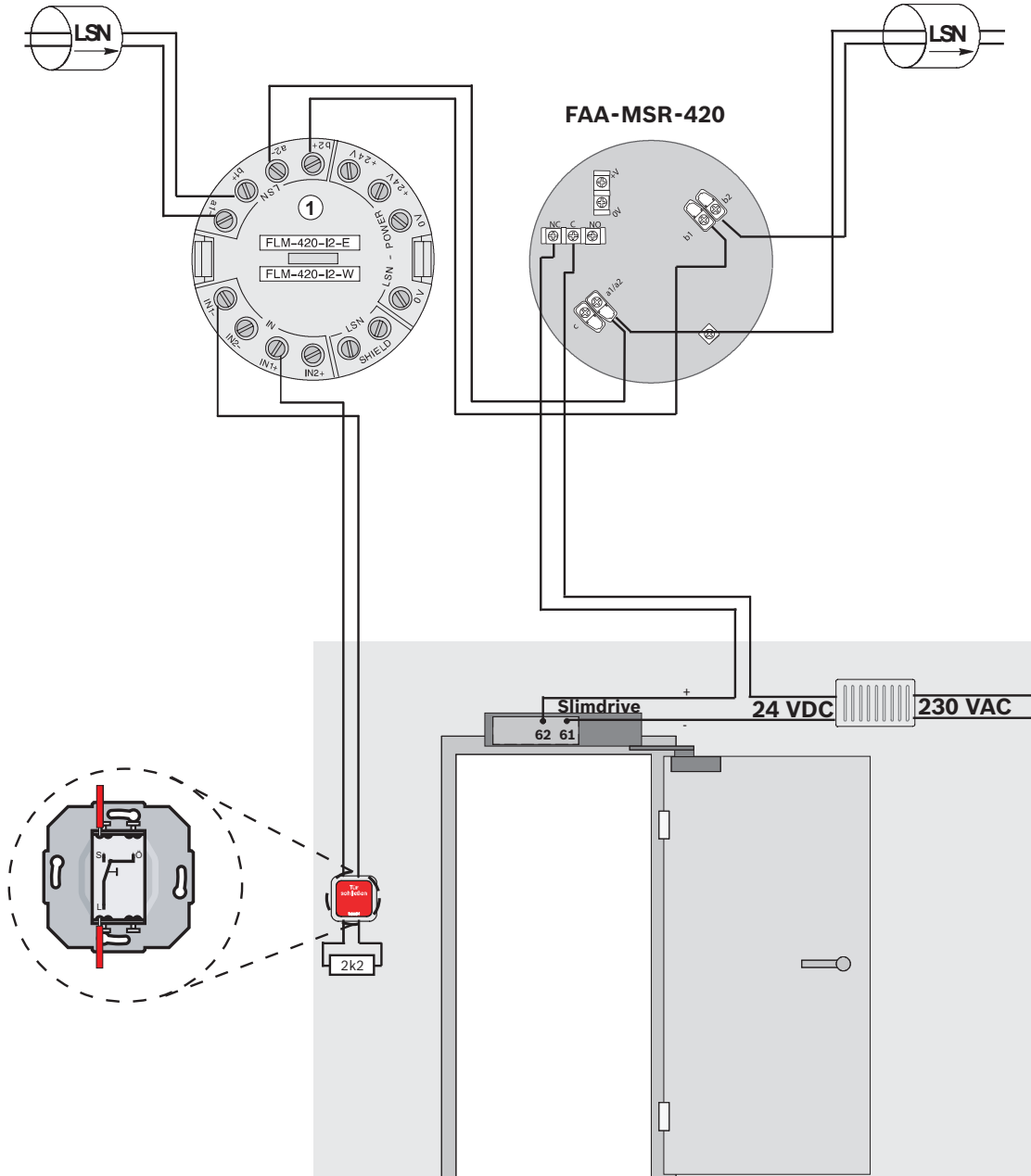
DIBT

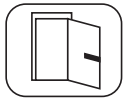




Slimdrive EMD-F/EMD F-IS

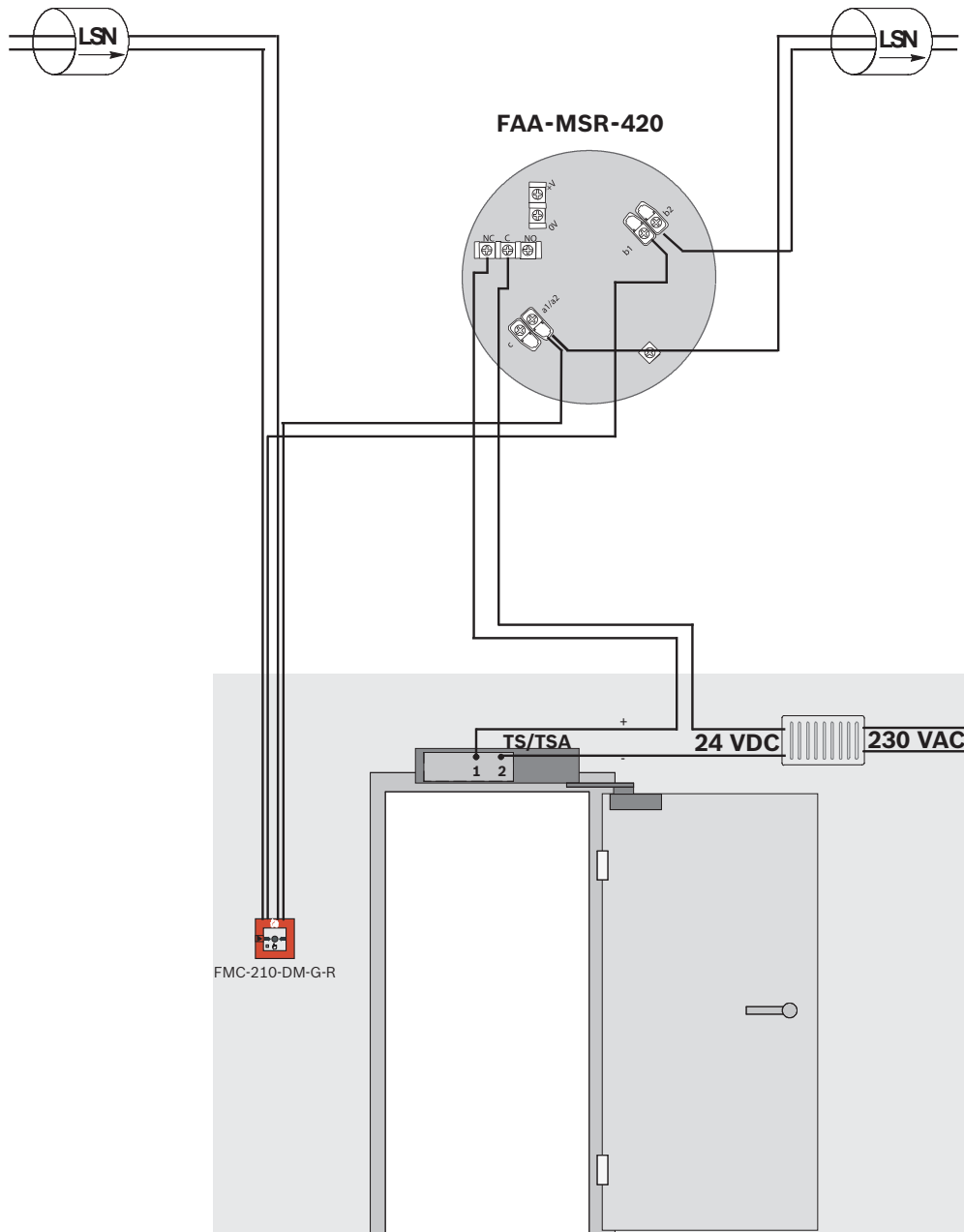
DIBT

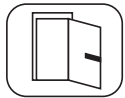




TS 4000 E/E-IS/EFS
 TS 5000 E/E-IS/E-ISM
 TS 550 E
 TSA 160 NT F/F-IS/F-IS/TS

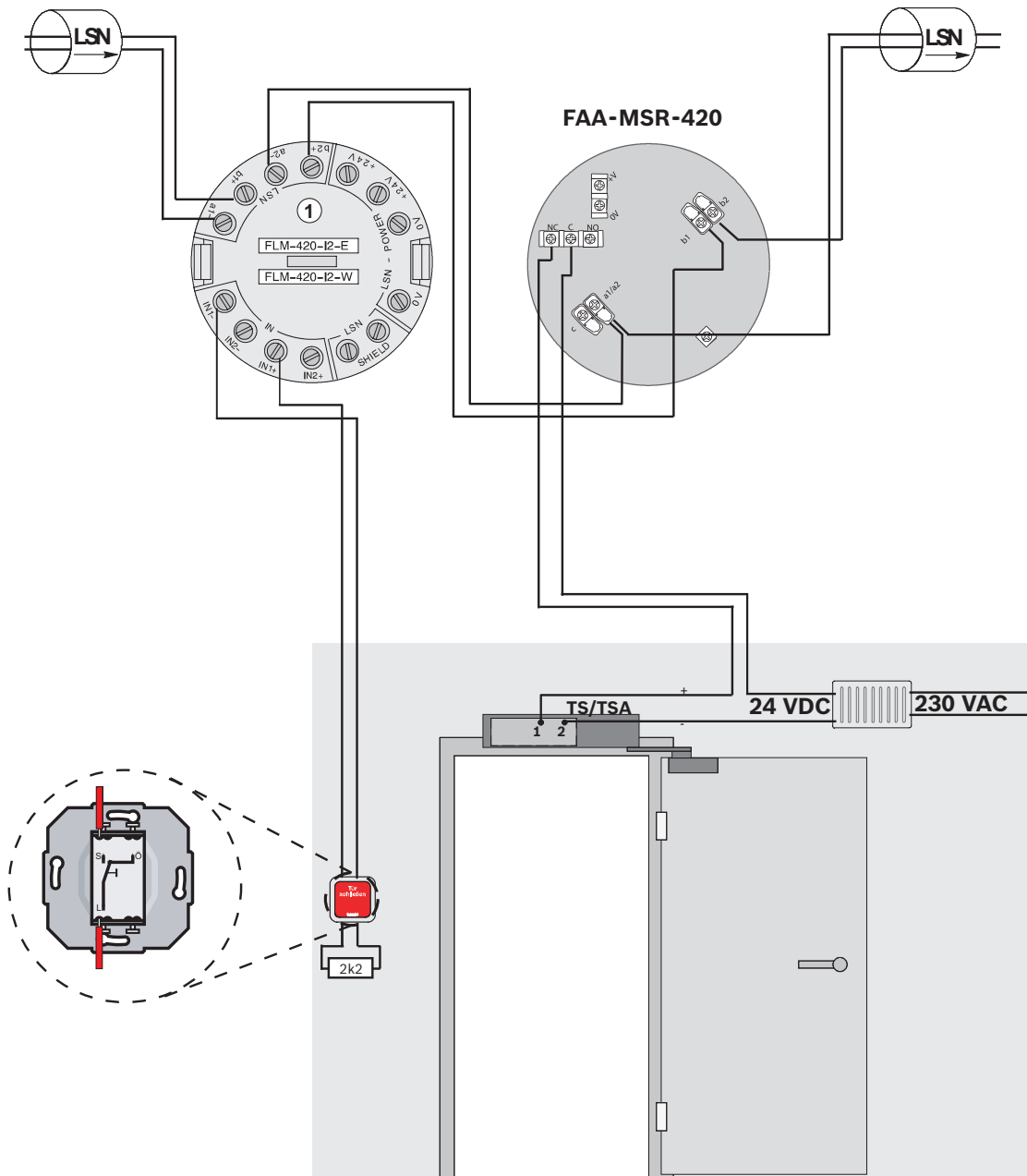
DIBT

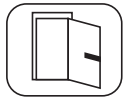




TS 4000 E/E-IS/EFS
 TS 5000 E/E-IS/E-ISM
 TS 550 E
 TSA 160 NT F/F-IS/F-IS/TS

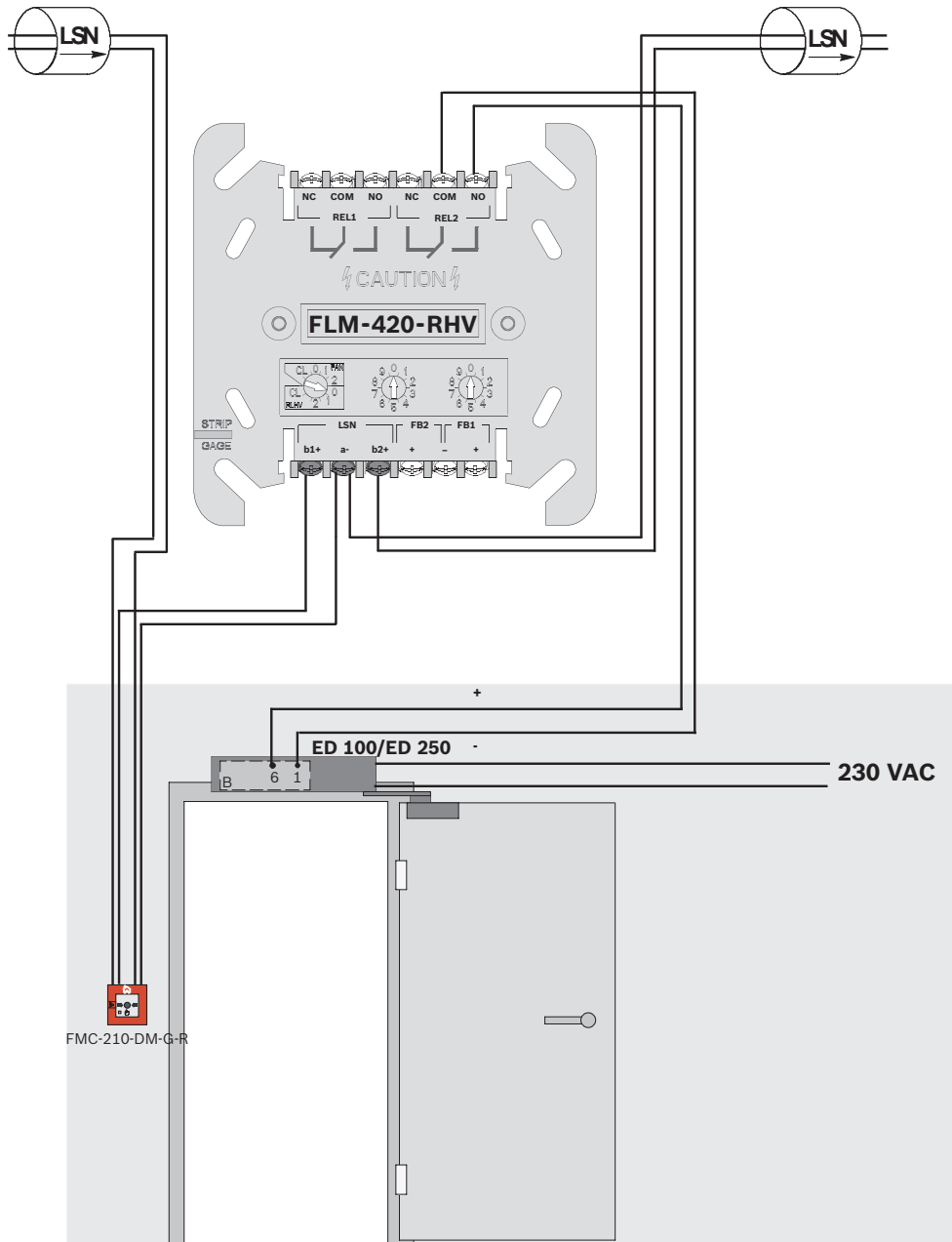
DIBT

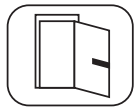




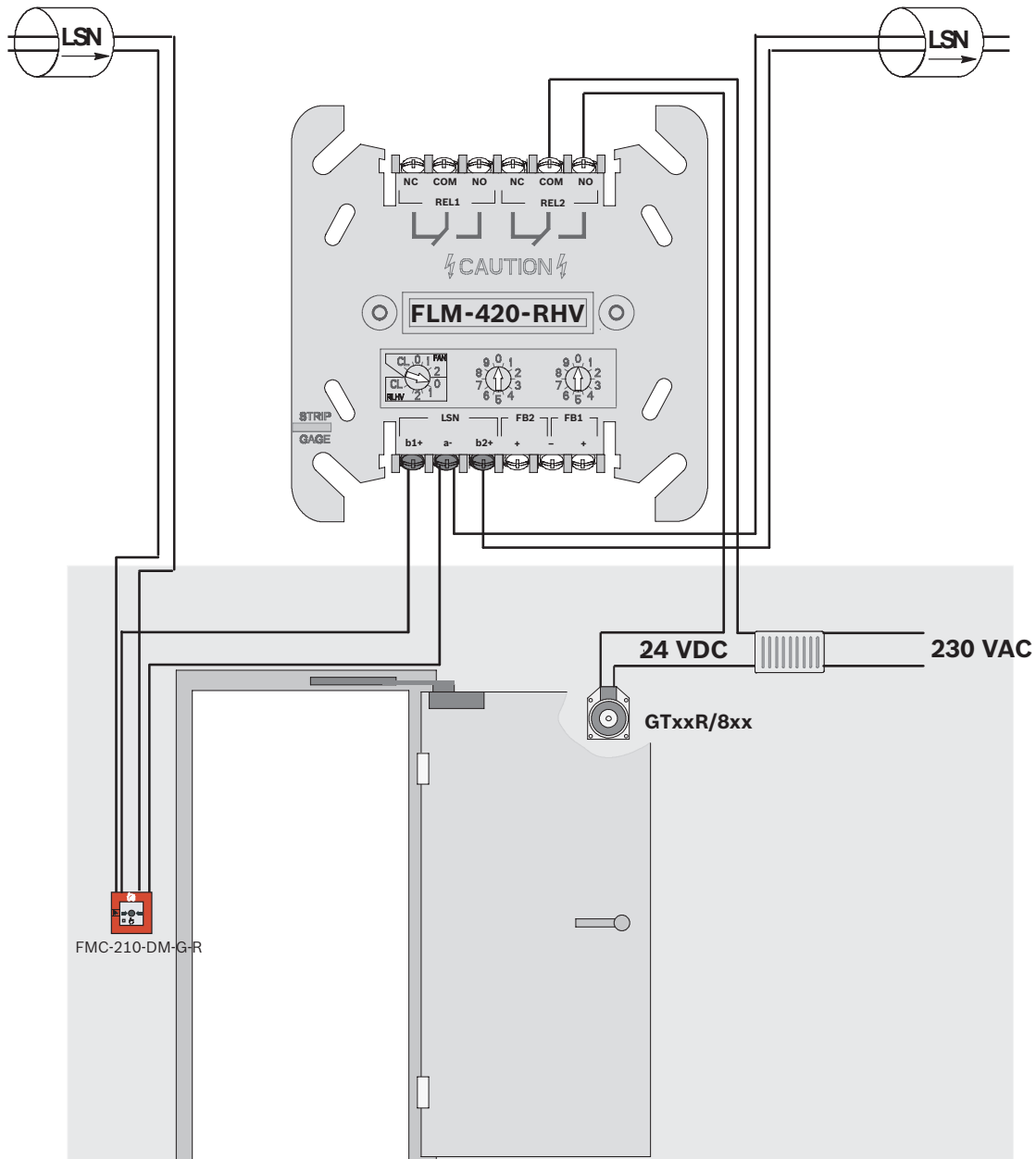
**ED 100
ED 250
(+Upgrade Card B**

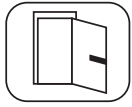
DIBT





DIBT

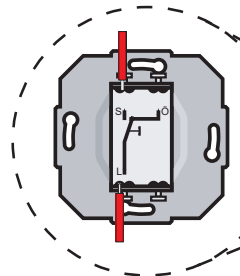
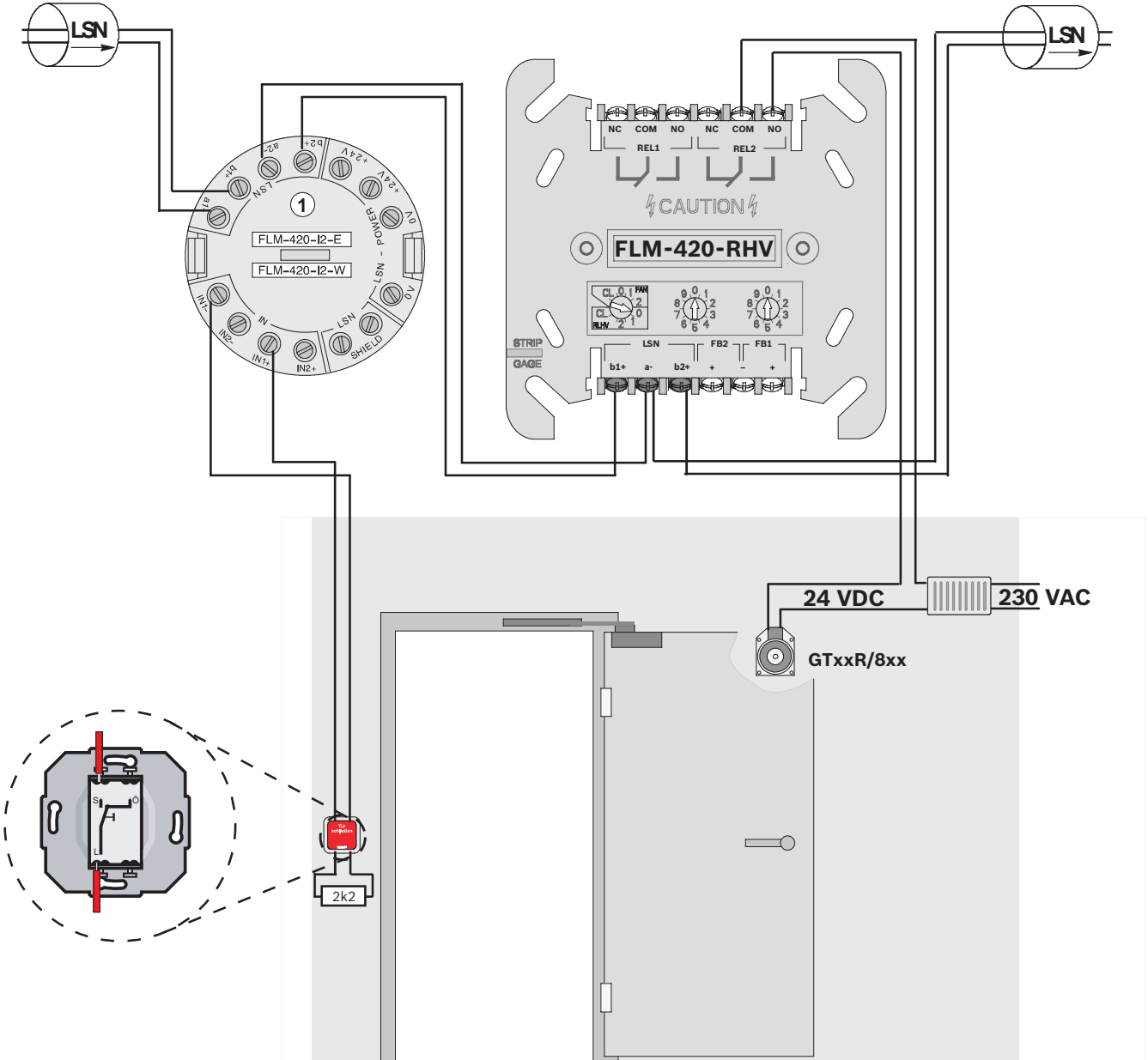


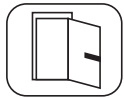


GT xx R

8 xx

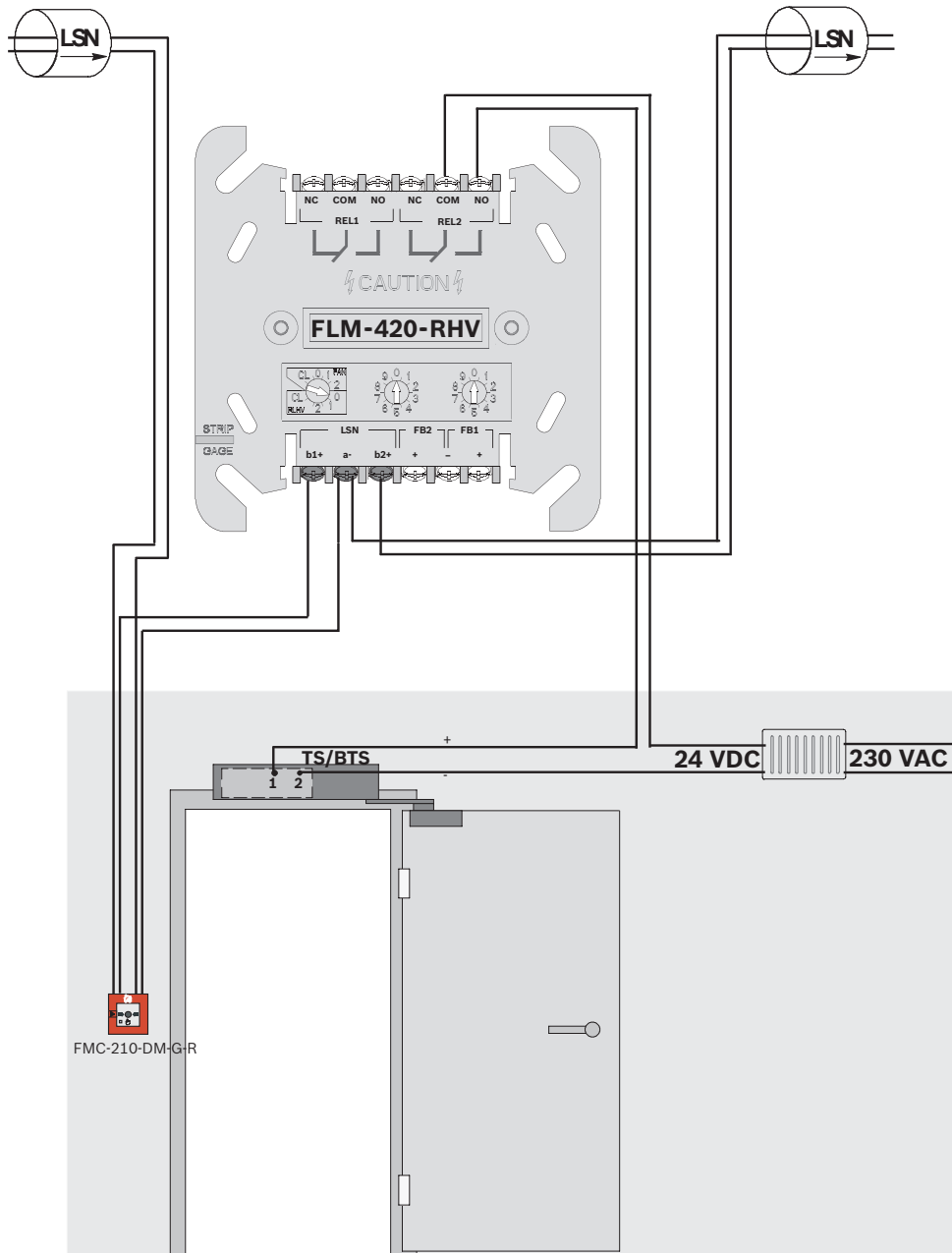
DIBT





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

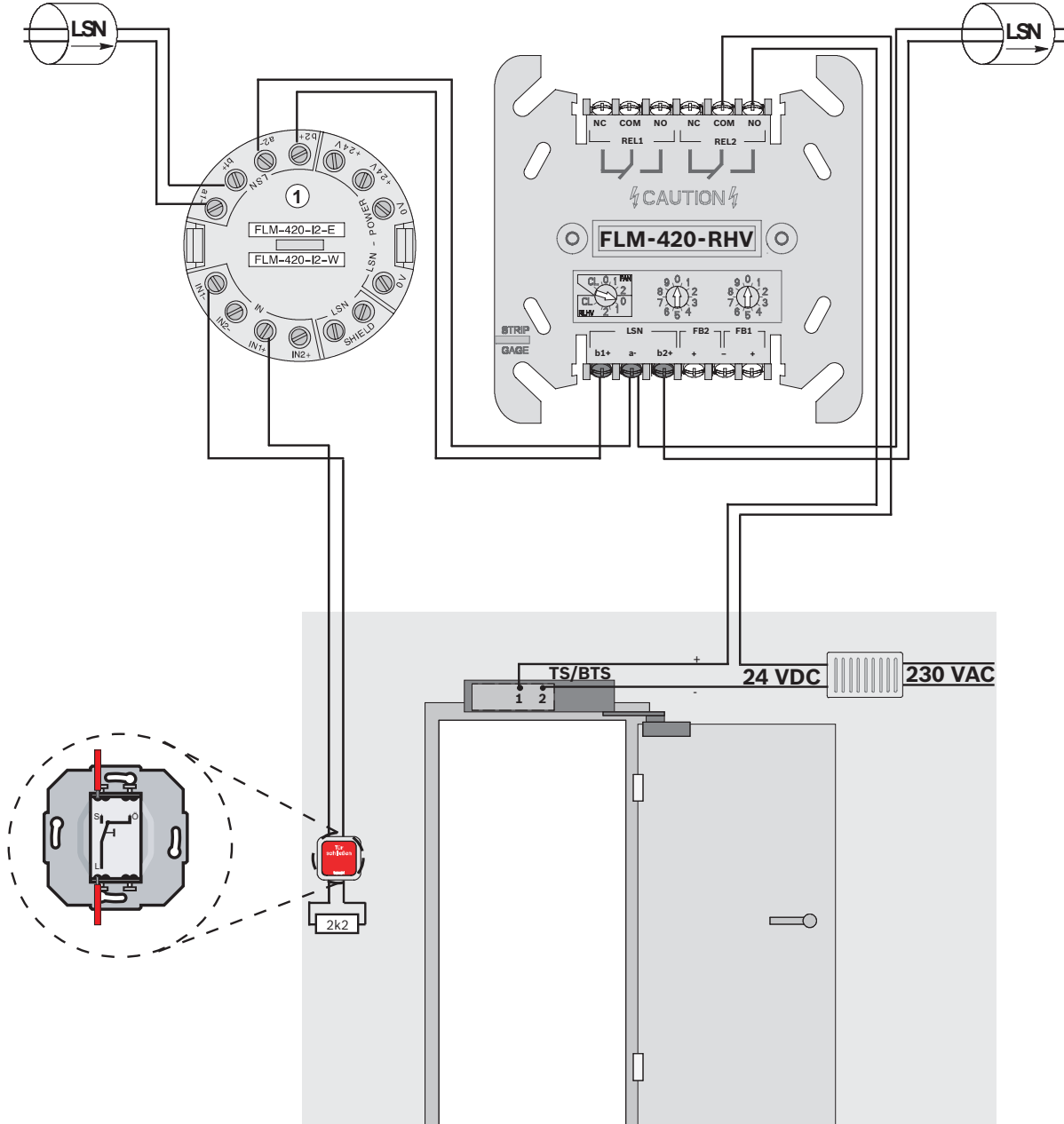
DIBT

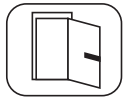




TS 73 EMF
 TS 93 EMF
 TS 93 GSR
 BTS 80 EMB
 BTS 80 FLB

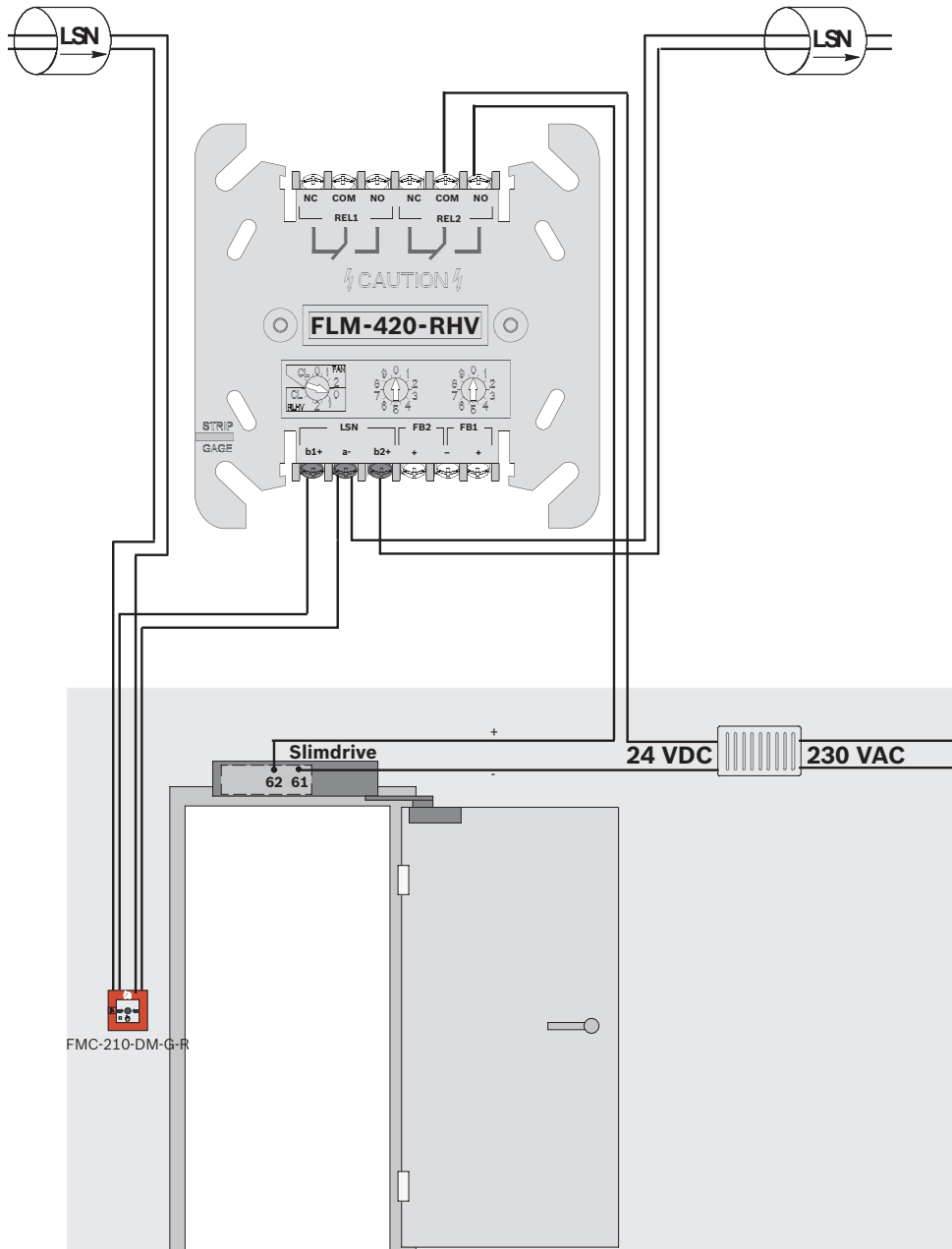
DIBT

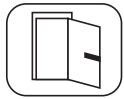




Slimdrive EMD-F/EMD F-IS

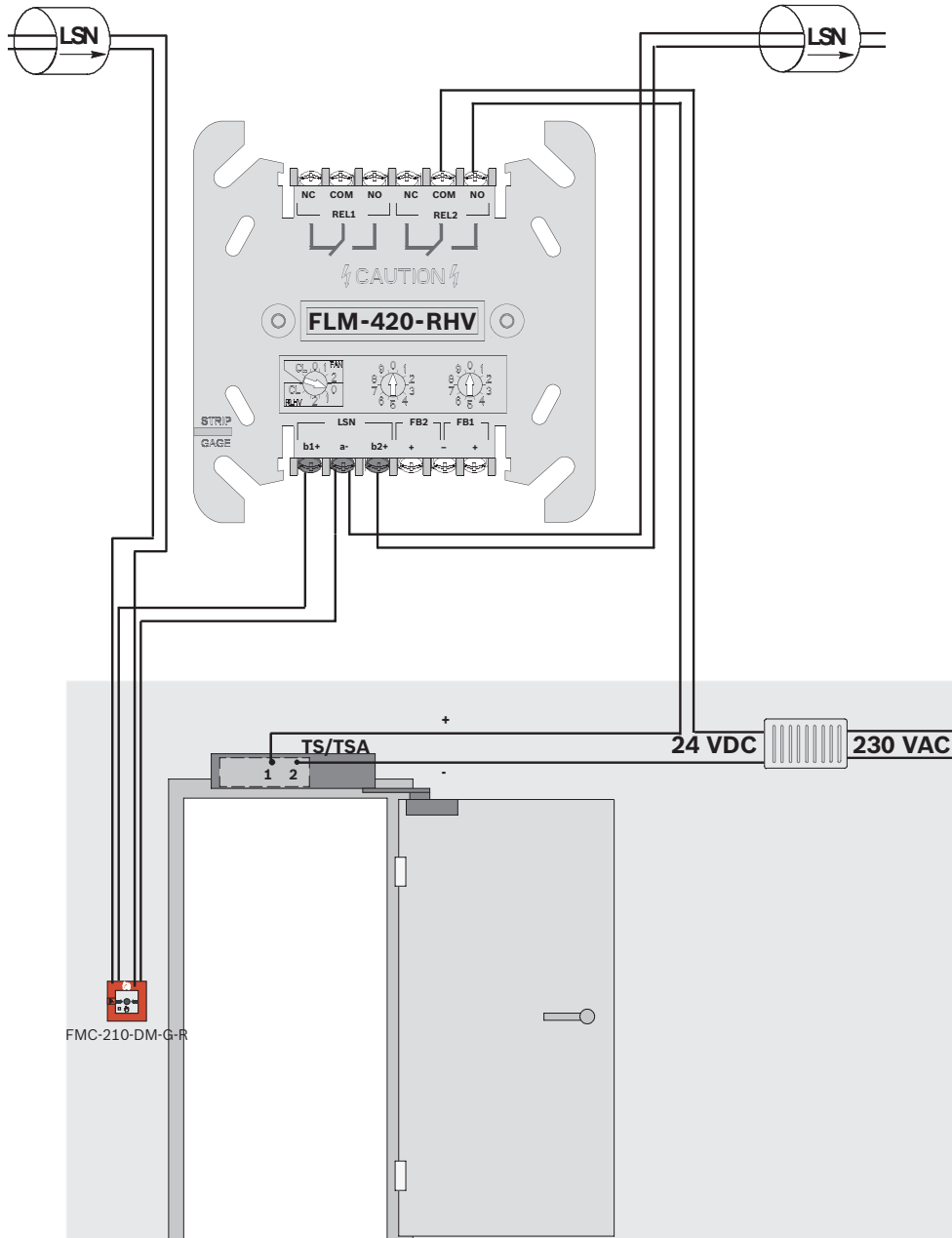
DIBT





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

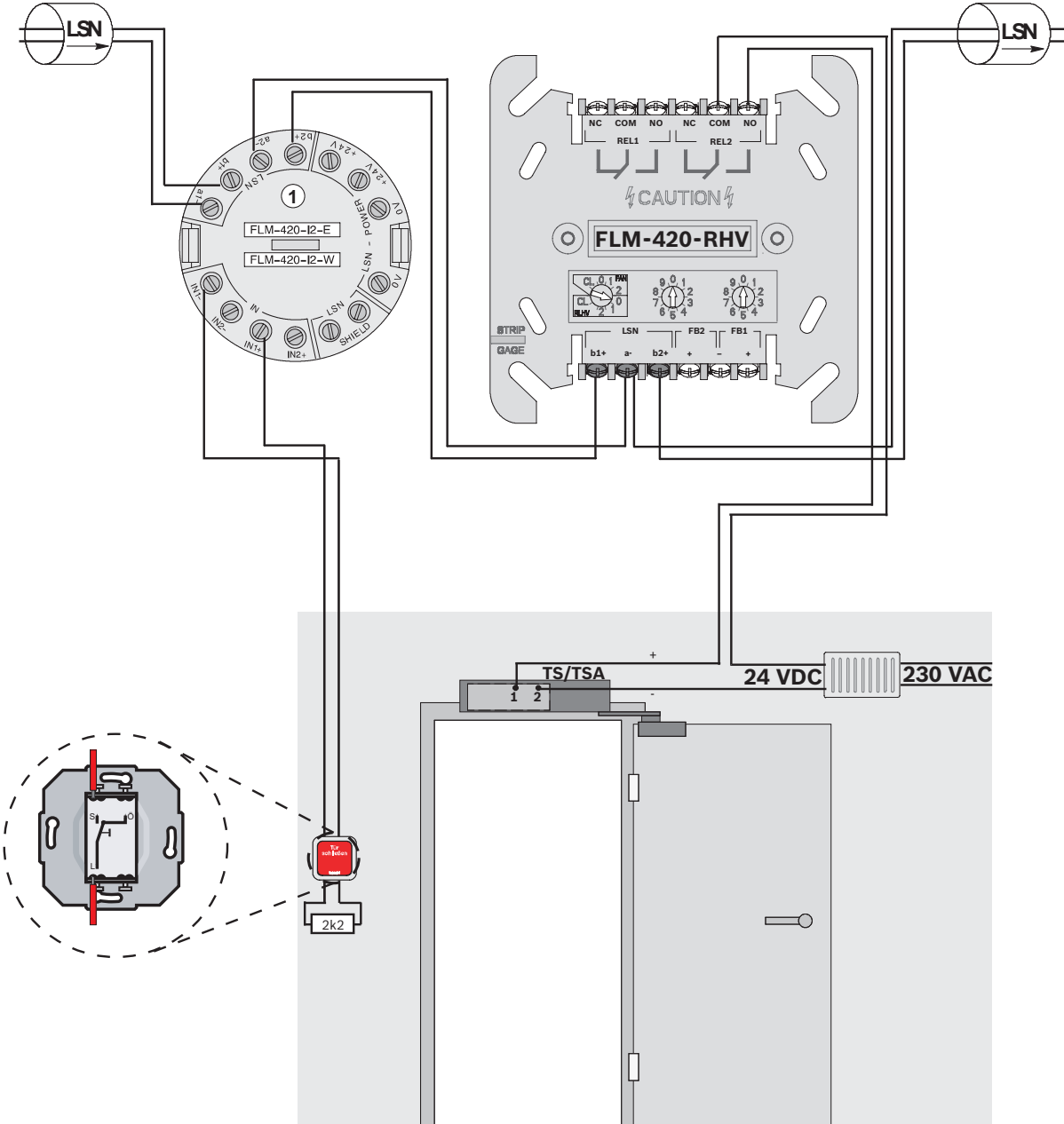
DIBT

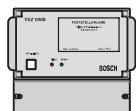




TS 4000 E/E-IS/EFS
 TS 5000 E/E-IS/E-ISM
 TS 550 E
 TSA 160 NT F/F-IS/F-IS/TS

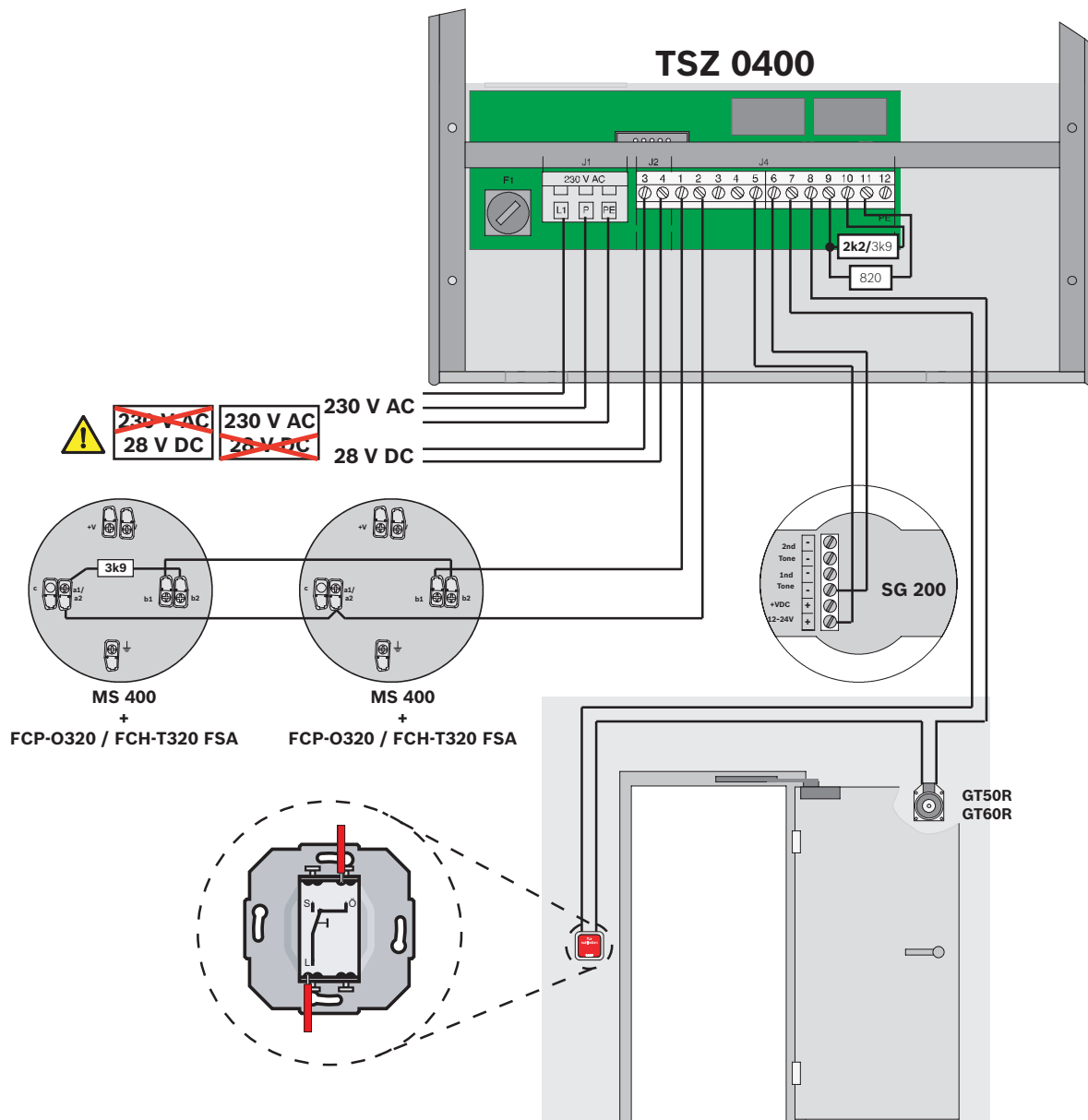
DIBT

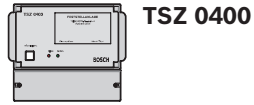




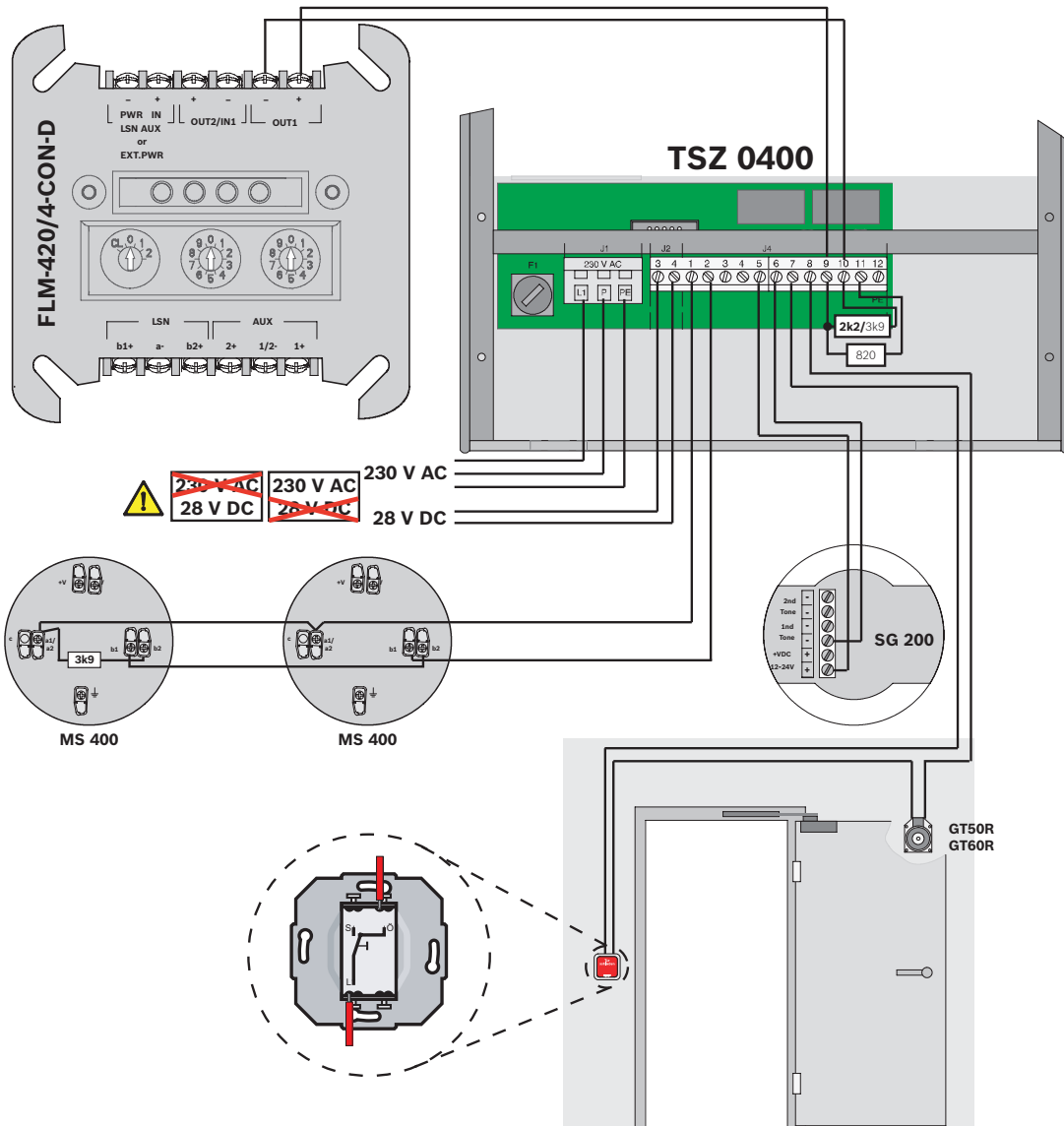
TSZ 0400

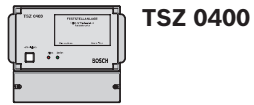
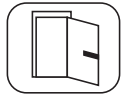
DIBT



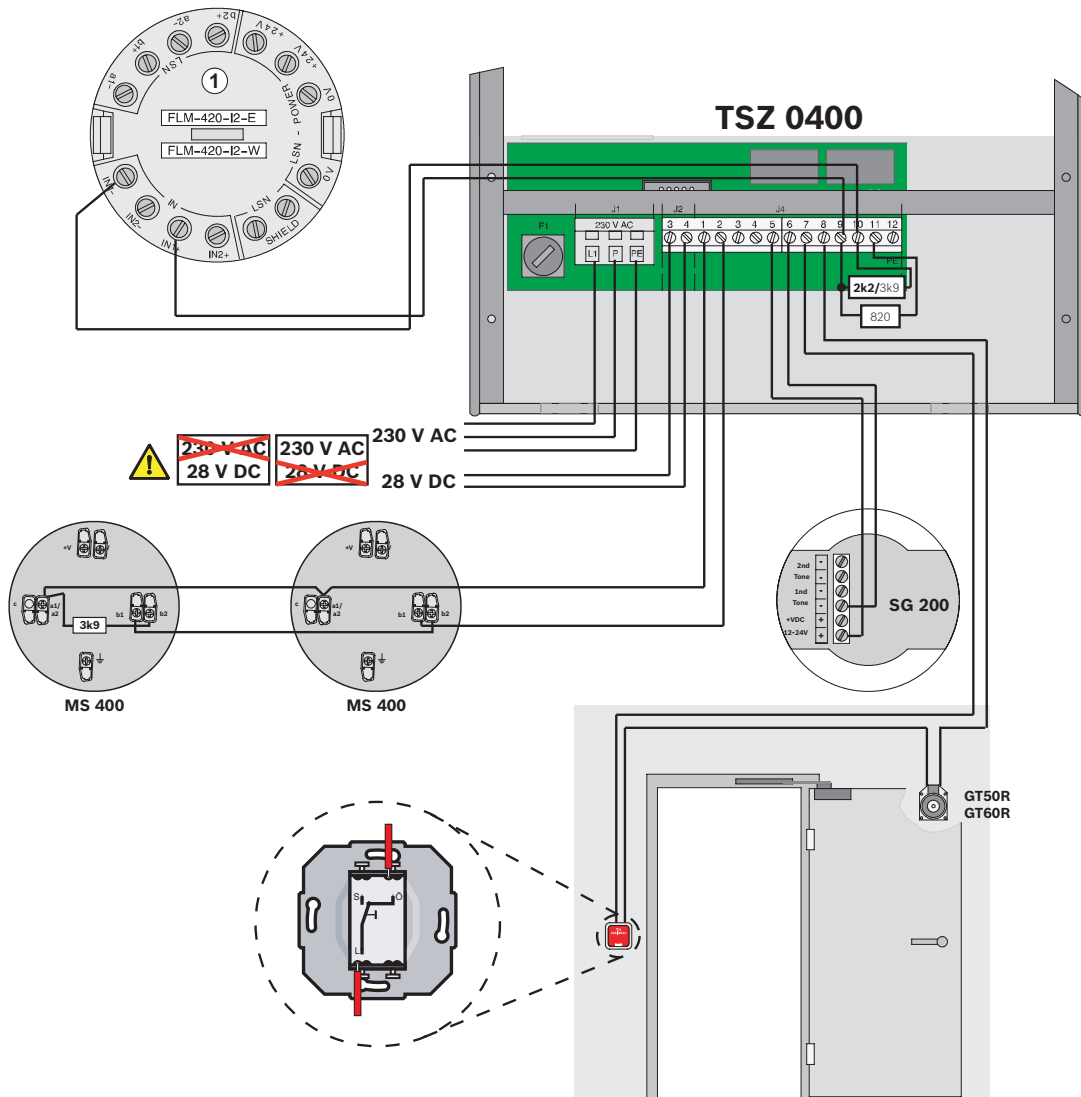


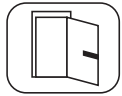
DIBT



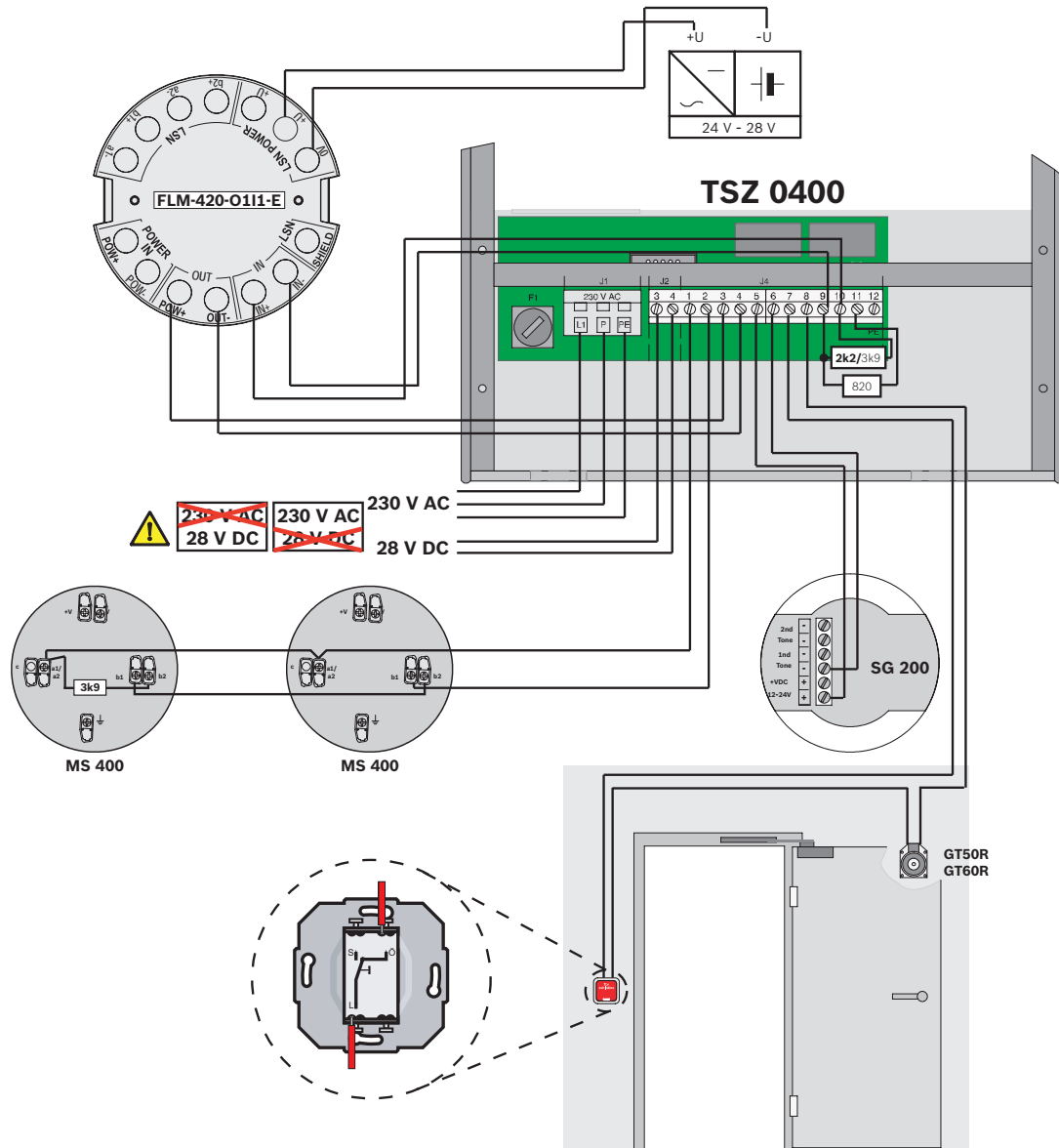


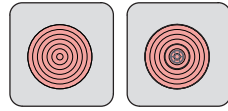
DIBT



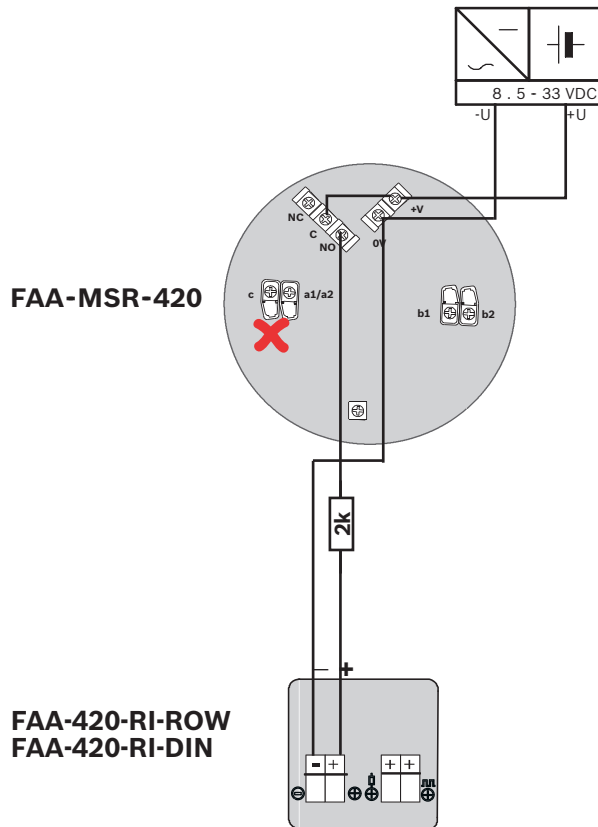
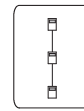


DIBT



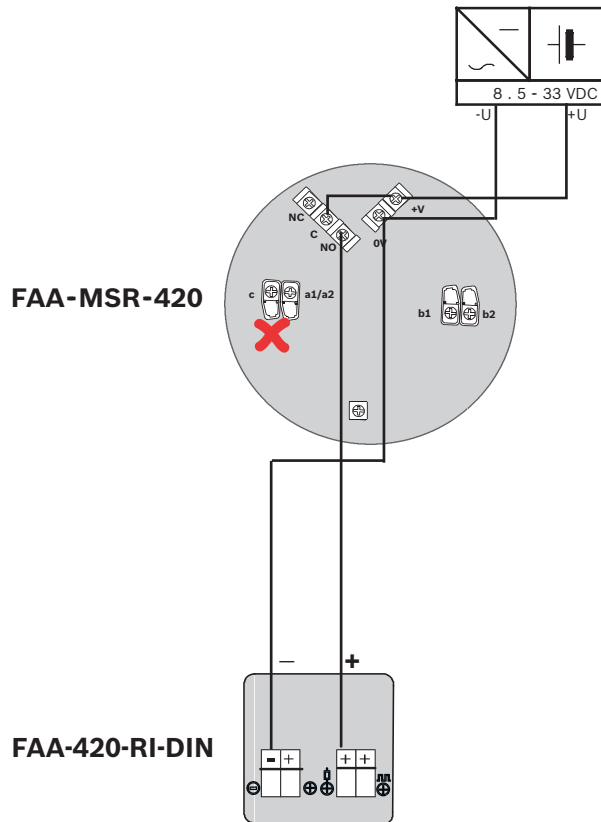
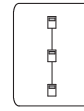


FAA-420-RI-ROW
FAA-420-RI-DIN



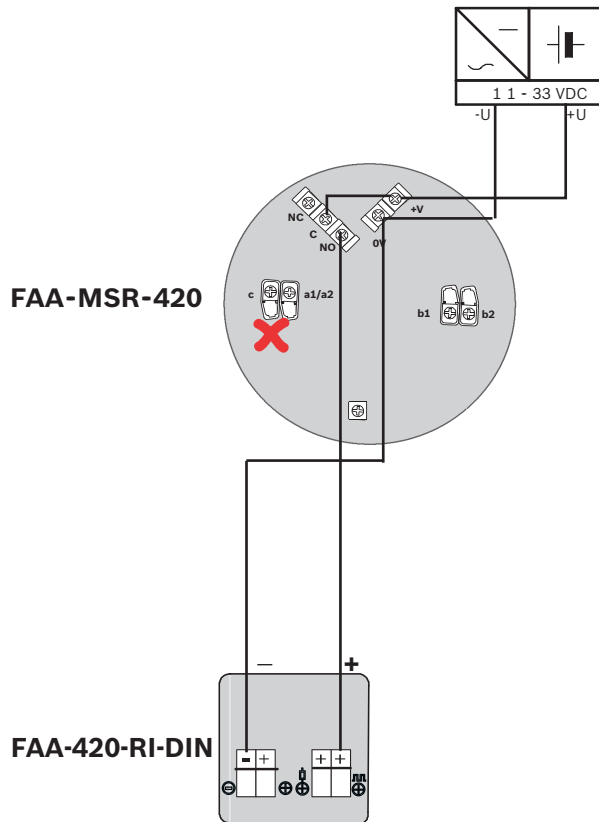
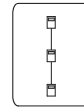


FAA-420-RI-DIN





FAA-420-RI-DIN



2.4

Functional Modules



BCM-000-B, sayfa 43

CZM 0004 A, sayfa 45

ENO 0000 A/B, sayfa 61

LSN 0300 A, sayfa 68

NZM 0002 A, sayfa 106

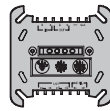
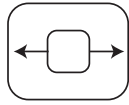
RMH 0002 A, sayfa 119

IOS 0020 A, sayfa 120

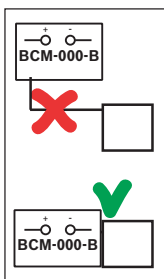
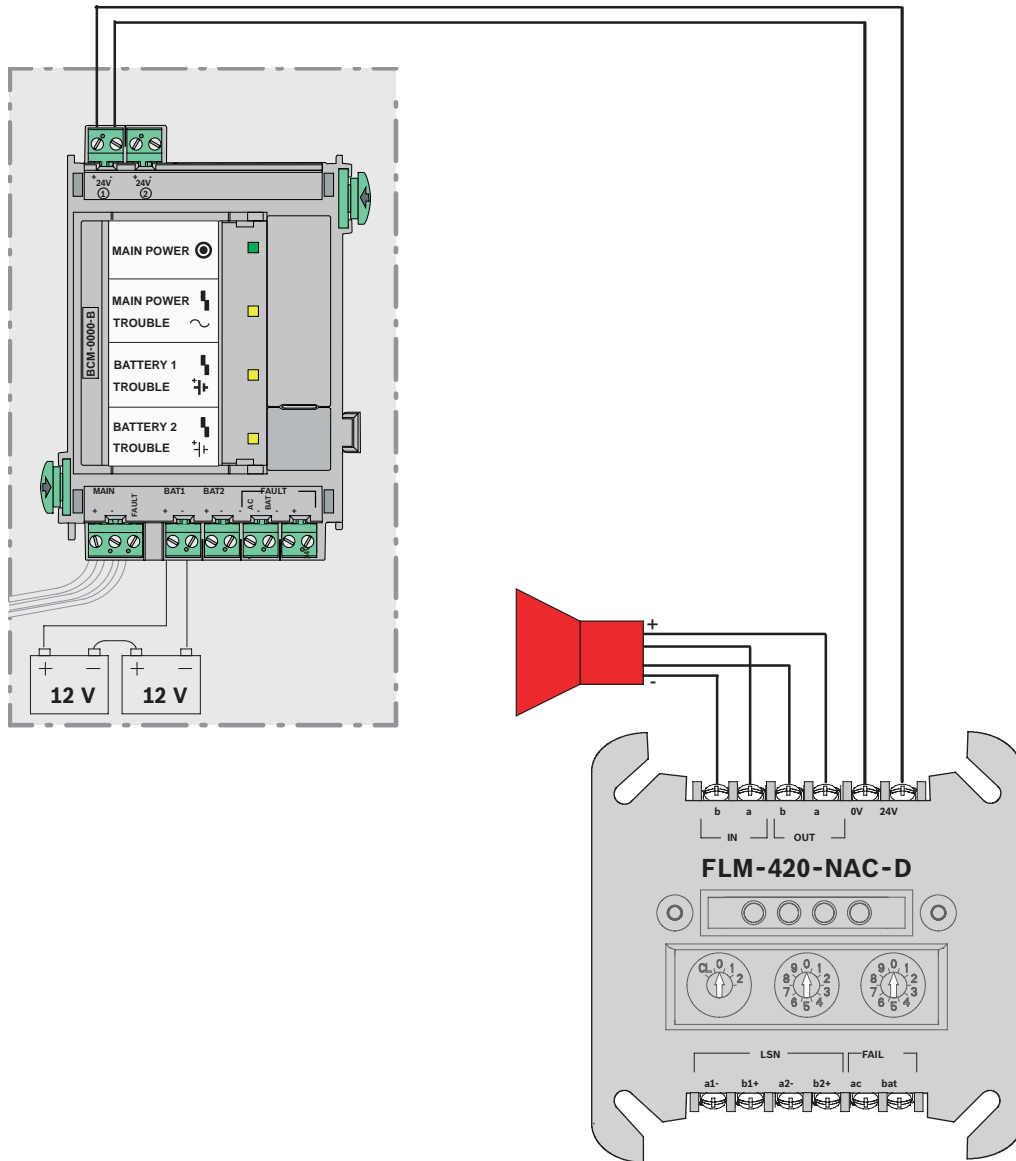
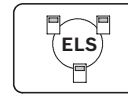
FPE-5000-UGM, sayfa 122

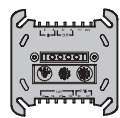
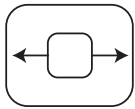
2.4.1

BCM-000-B

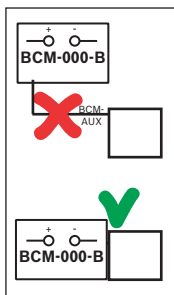
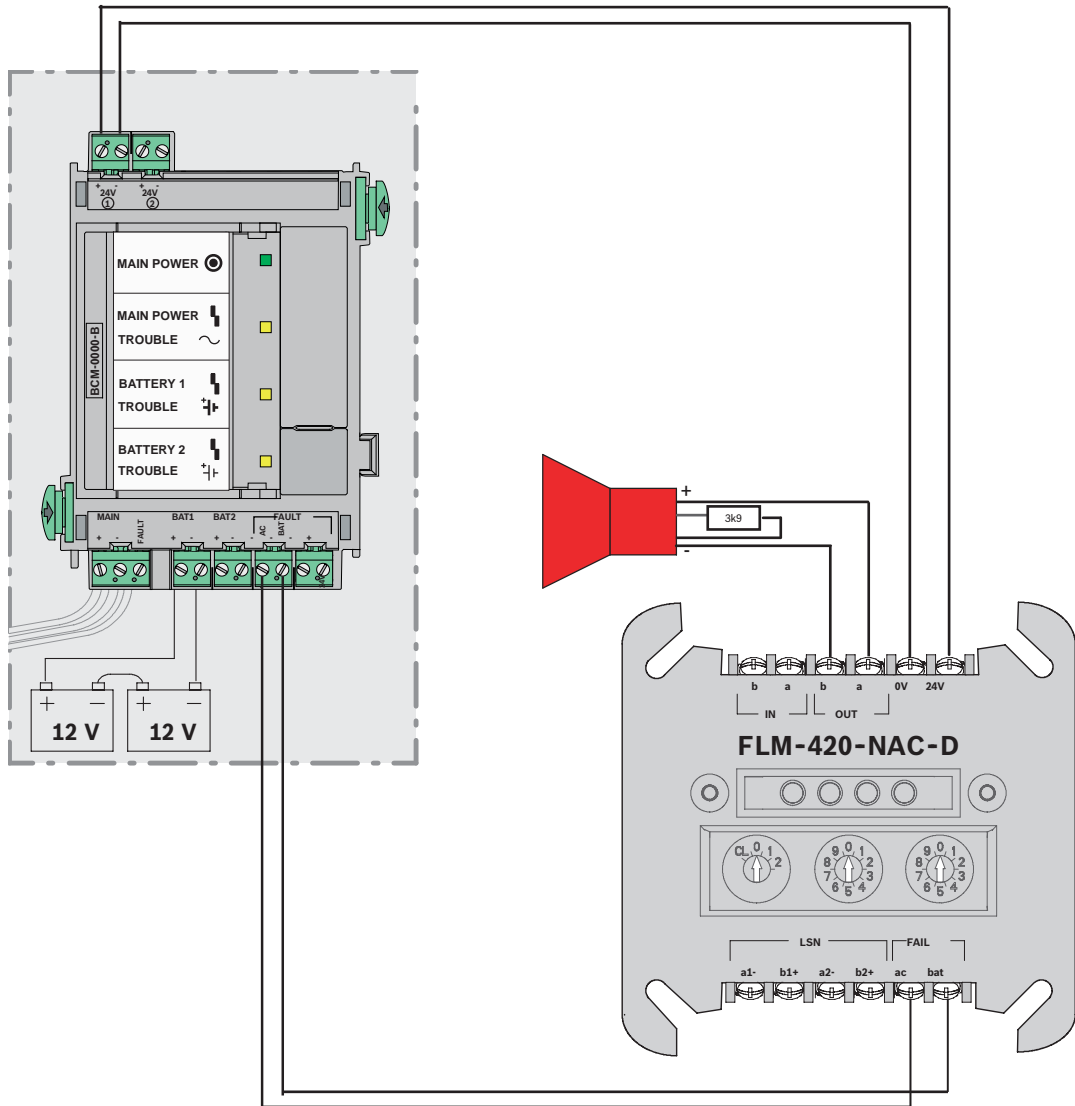
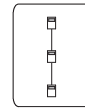


FLM-420-NAC-D





FLM-420-NAC-D

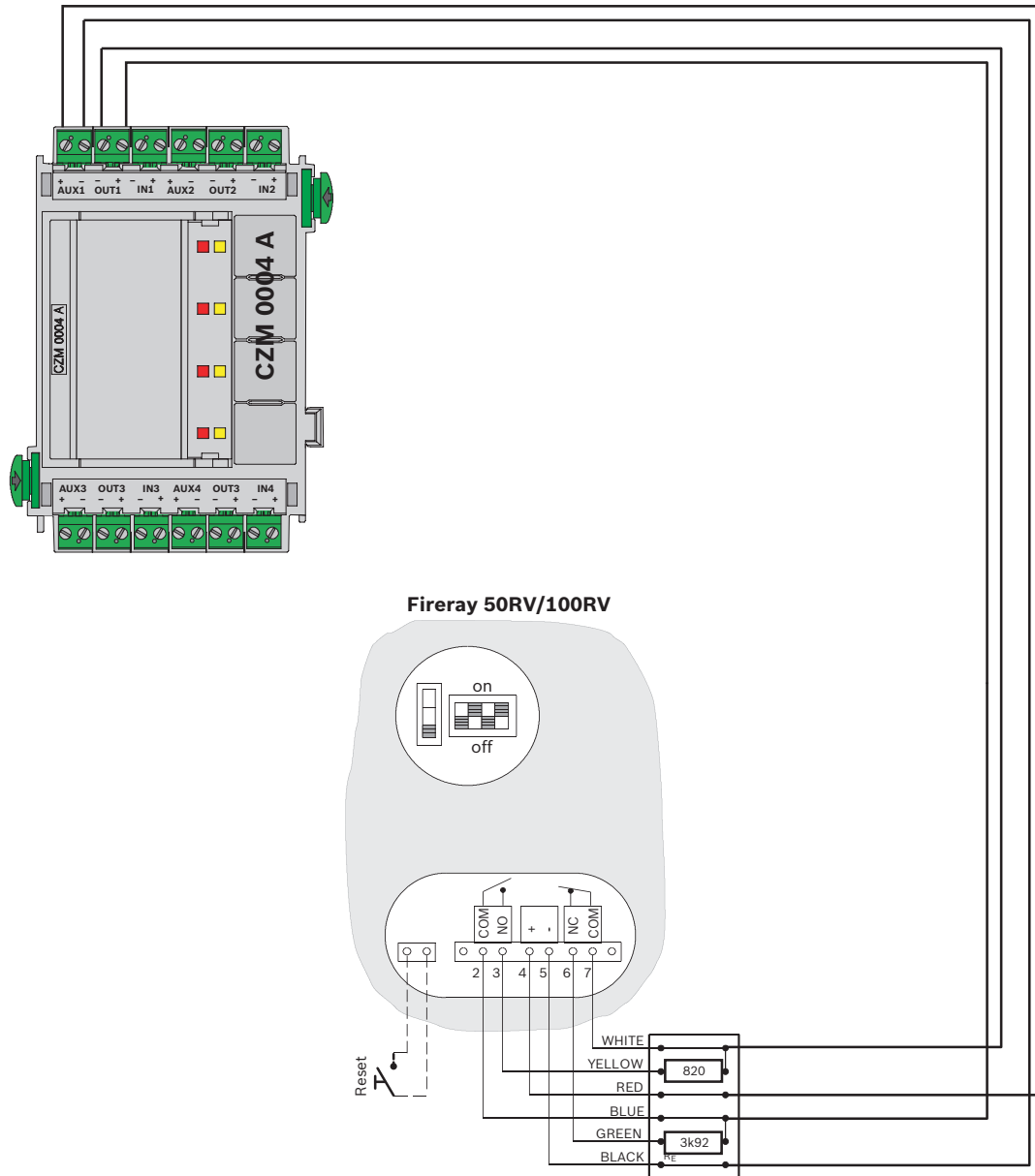


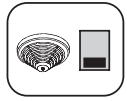
2.4.2

CZM 0004 A



Fireray 50RV
Fireray 100RV



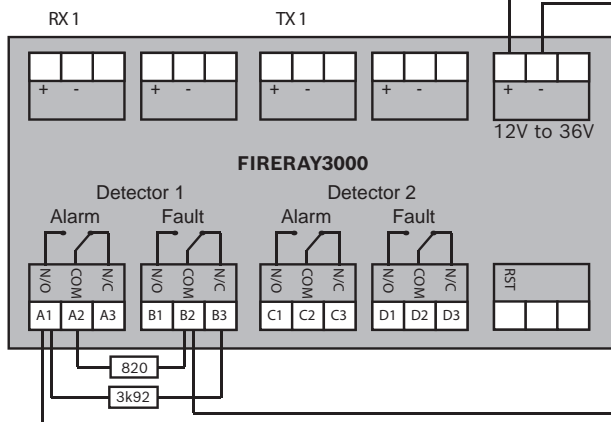
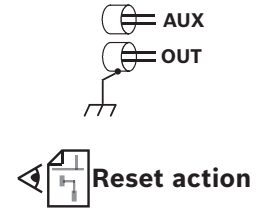
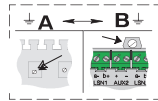
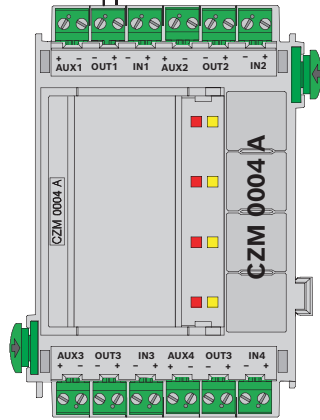


FIRERAY3000

1 x



BCM-0000-B
LSN 0300 A
LSN 1500 A

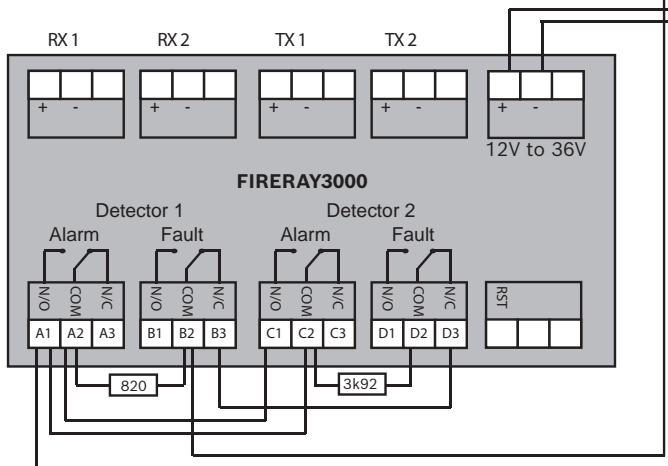
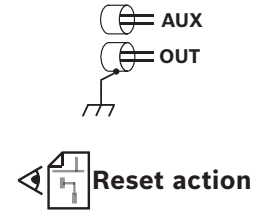
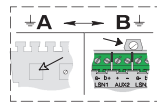
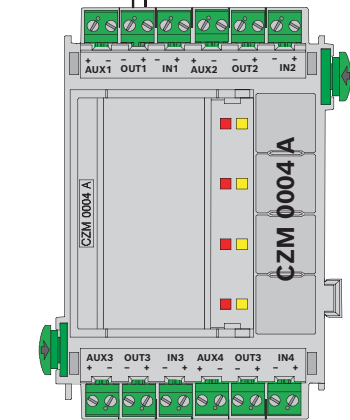


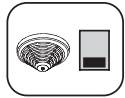


FIRERAY3000
2 x  **OUT1**



BCM-000-B
LSN 0300 A
LSN 1500 A

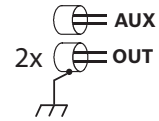
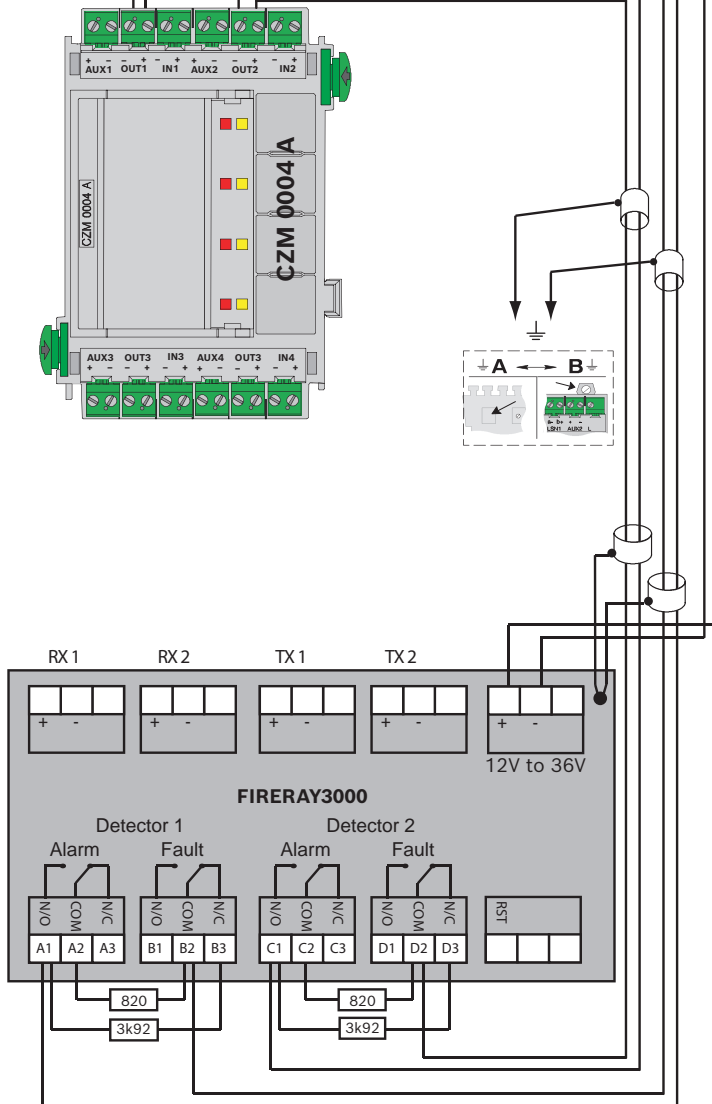




FIRERAY3000
2 x **OUT1+2**



BCM-0000-B
LSN 0300 A
LSN 1500 A



Reset action

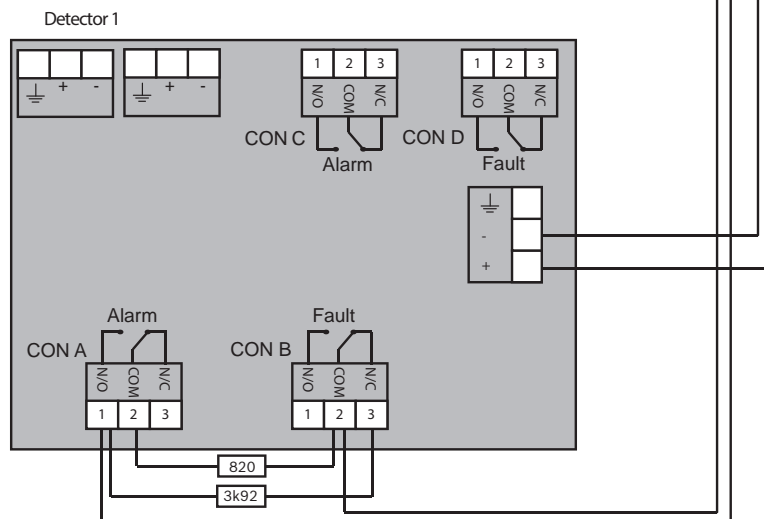
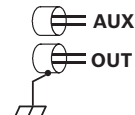
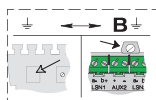
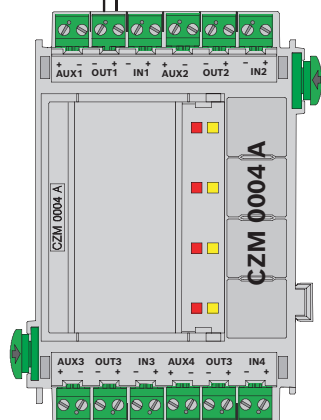


FIRERAY5000

1 x 



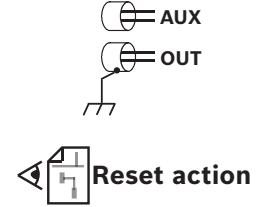
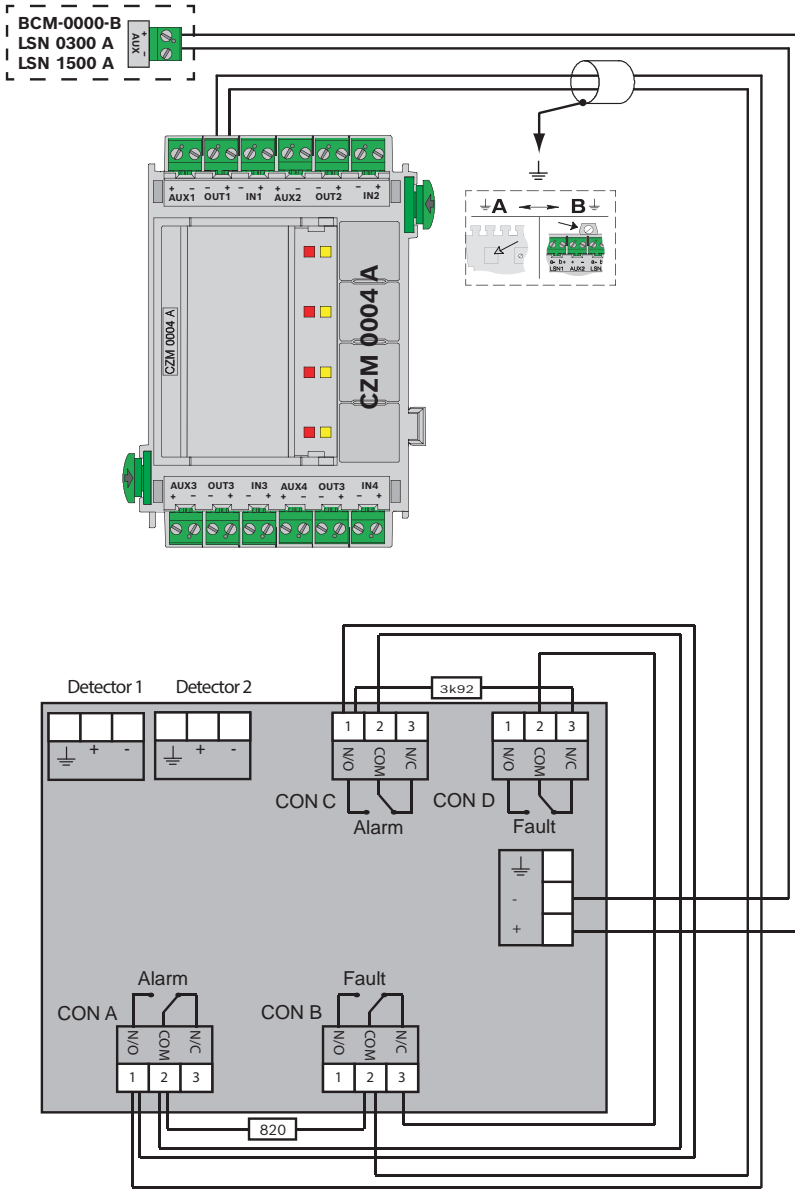
BCM-0000-B
LSN 0300 A
LSN 1500 A

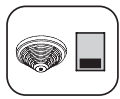




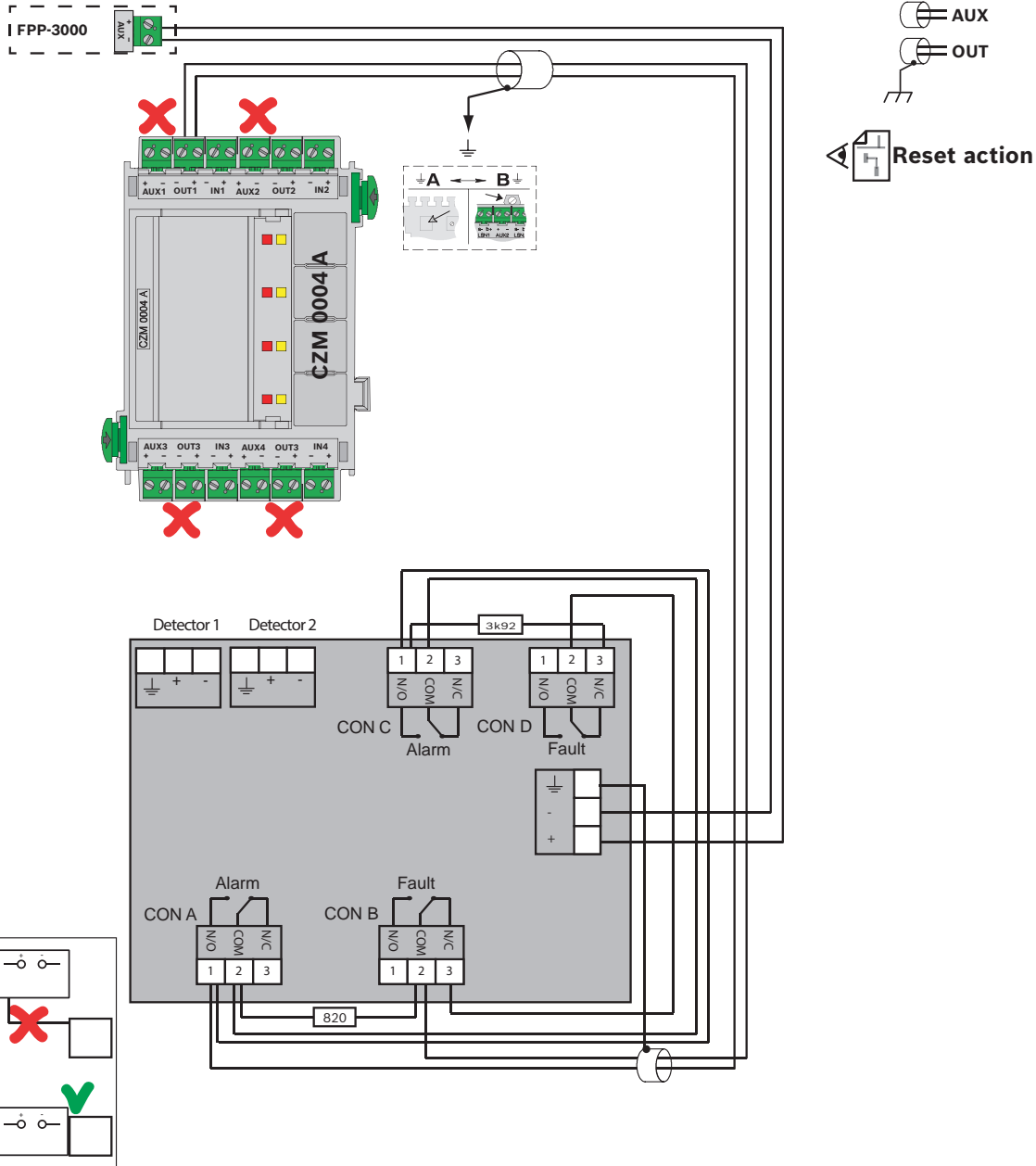
FIRERAY5000

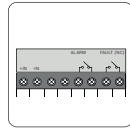
2 x OUT1



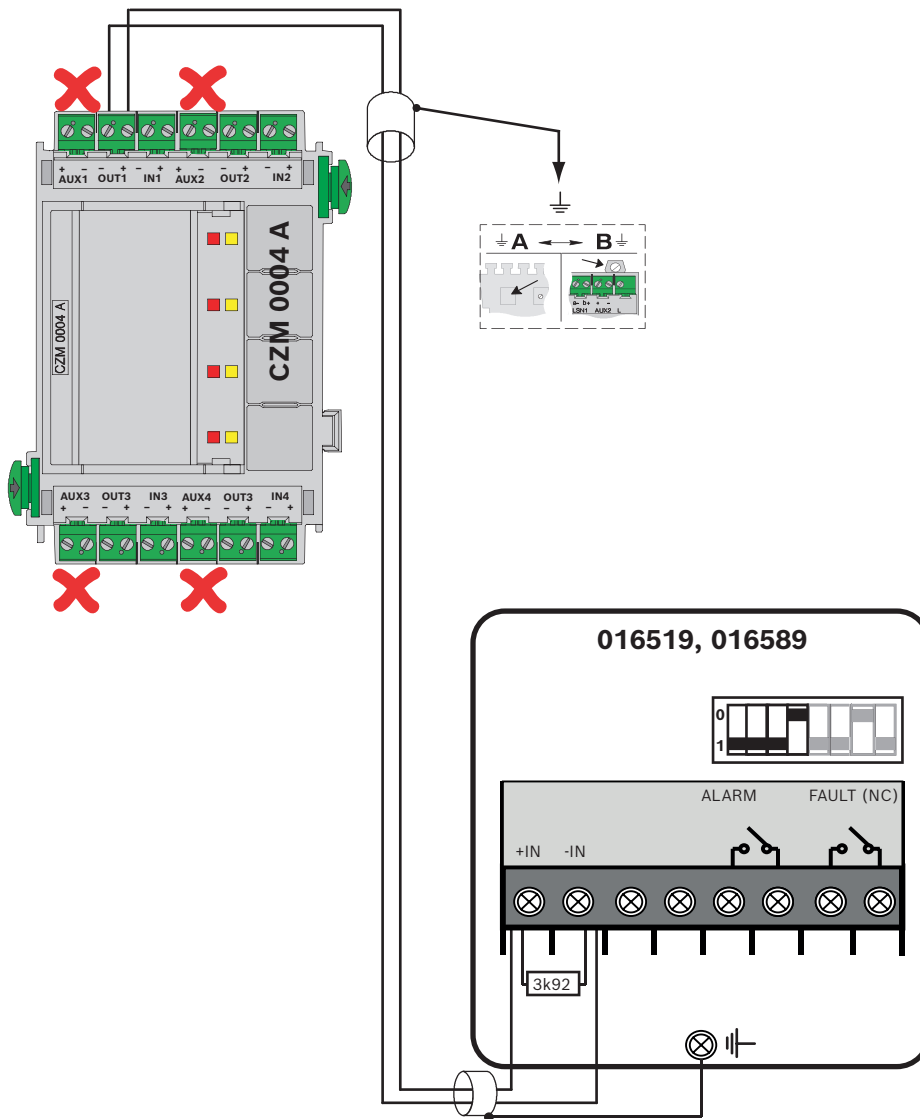
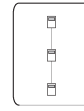


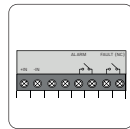
FIRERAY5000
2 x **OUT1**



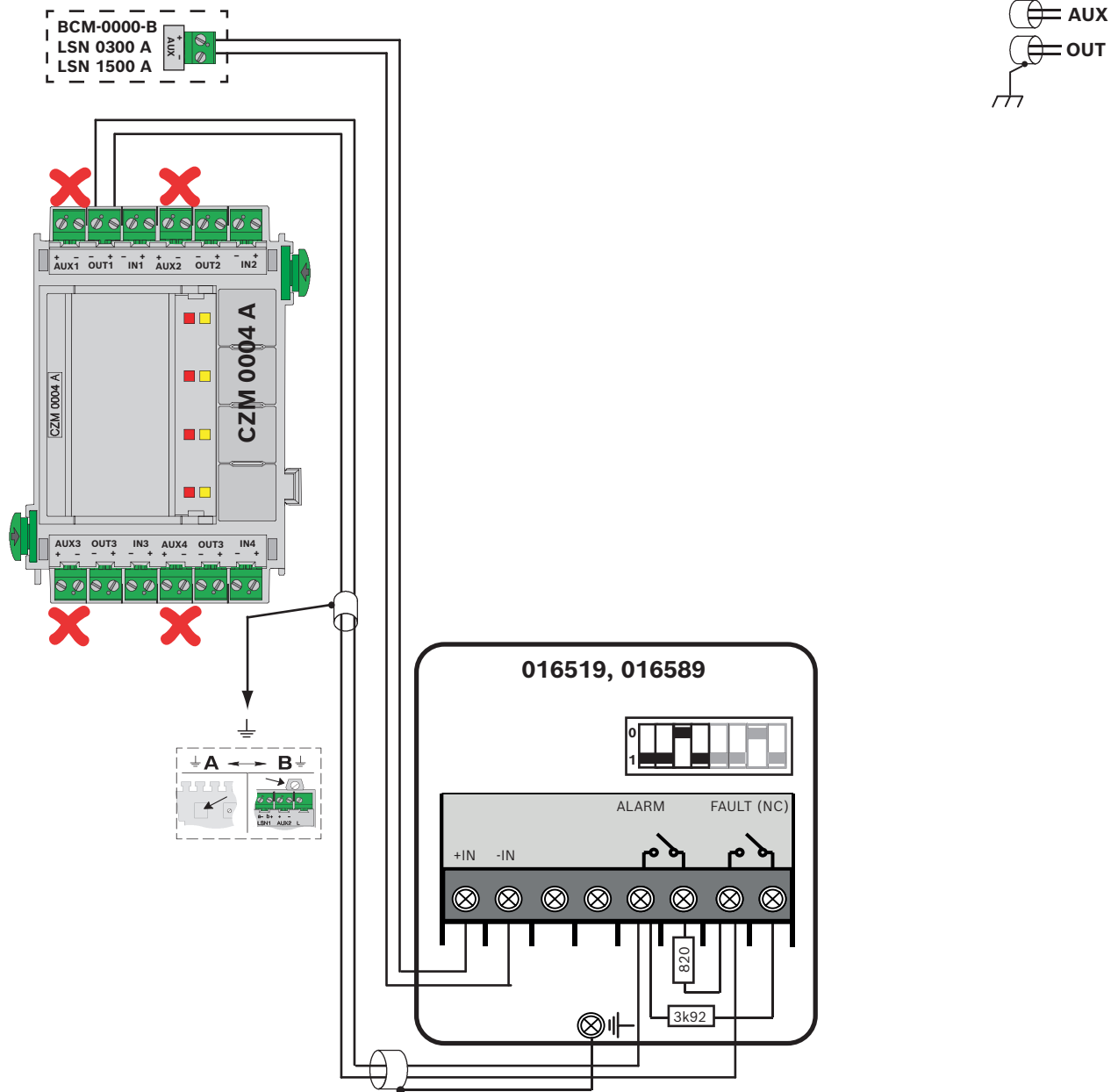
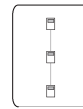


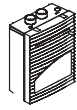
**016519, 016589
IR3 Flame Detector**



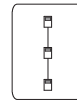


**016519, 016589
IR3 Flame Detector**

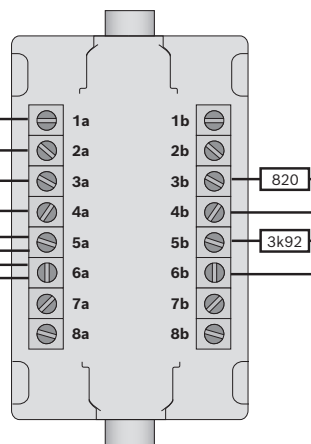
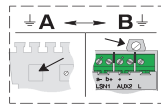
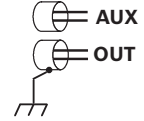
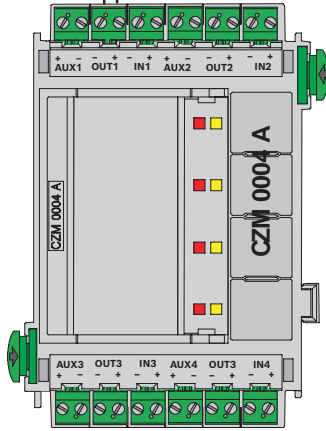


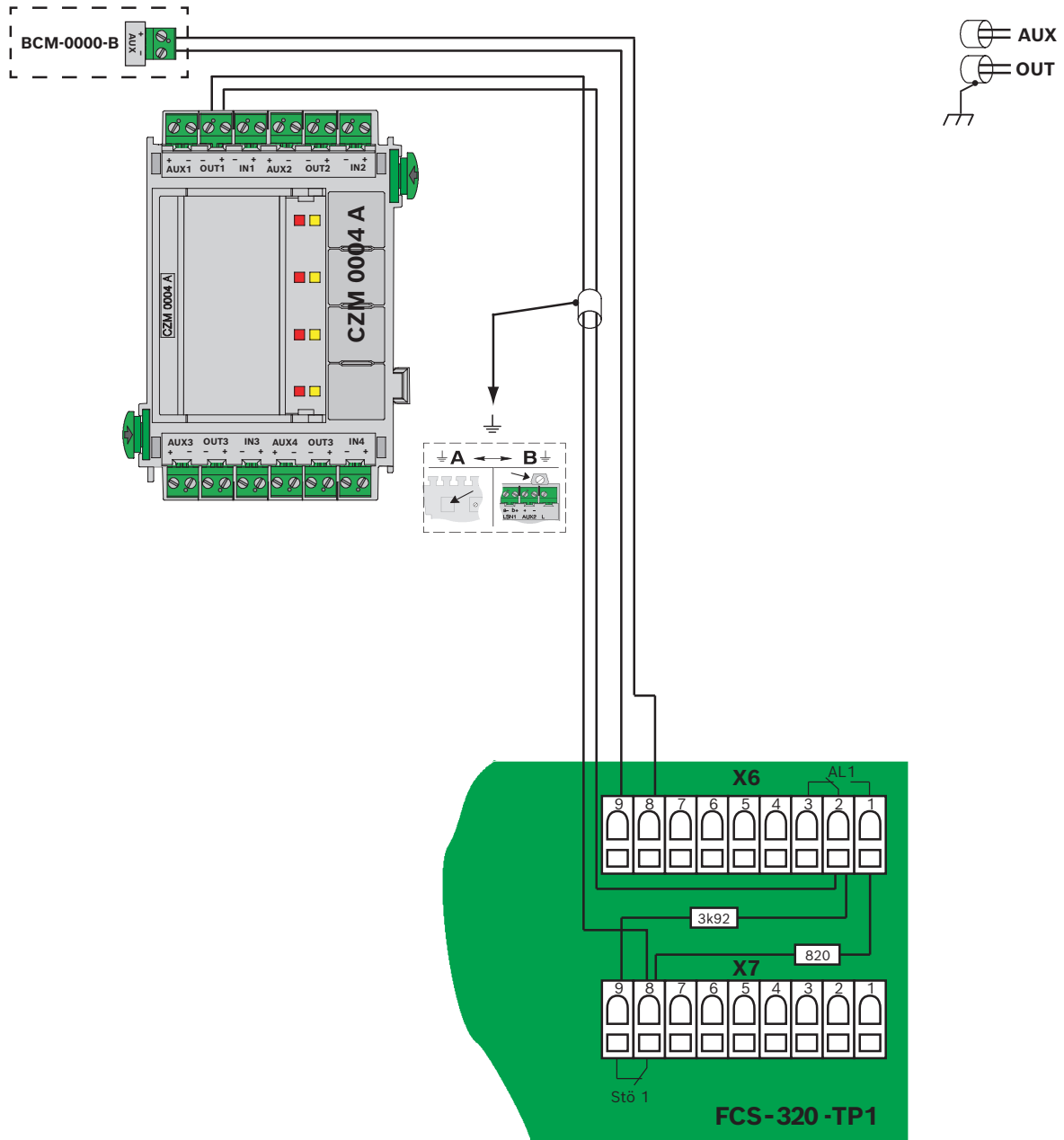
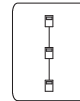
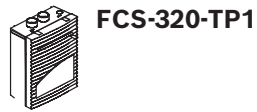


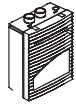
FCS-320-TM Series



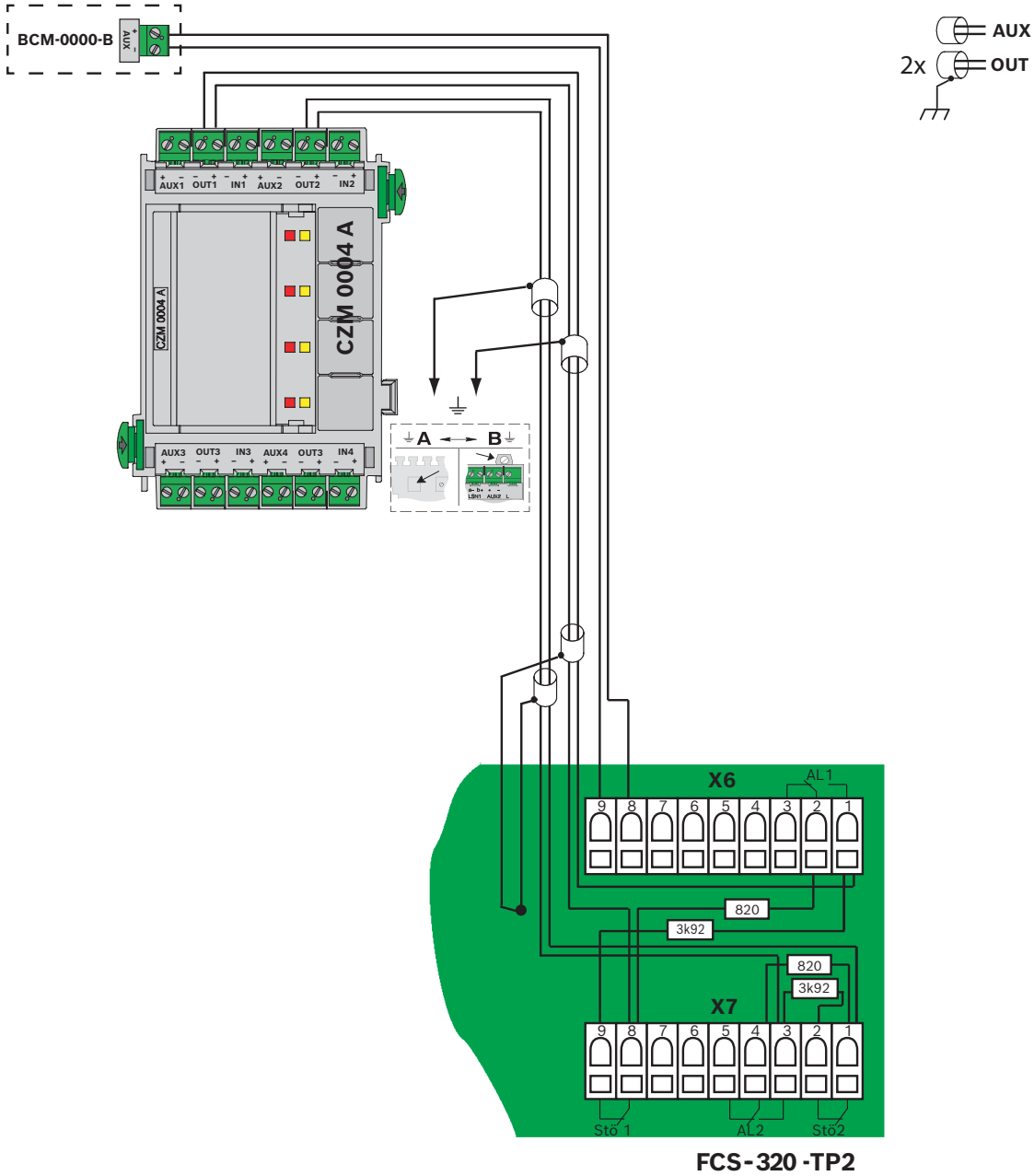
BCM-0000-B
LSN 0300 A
LSN 1500 A







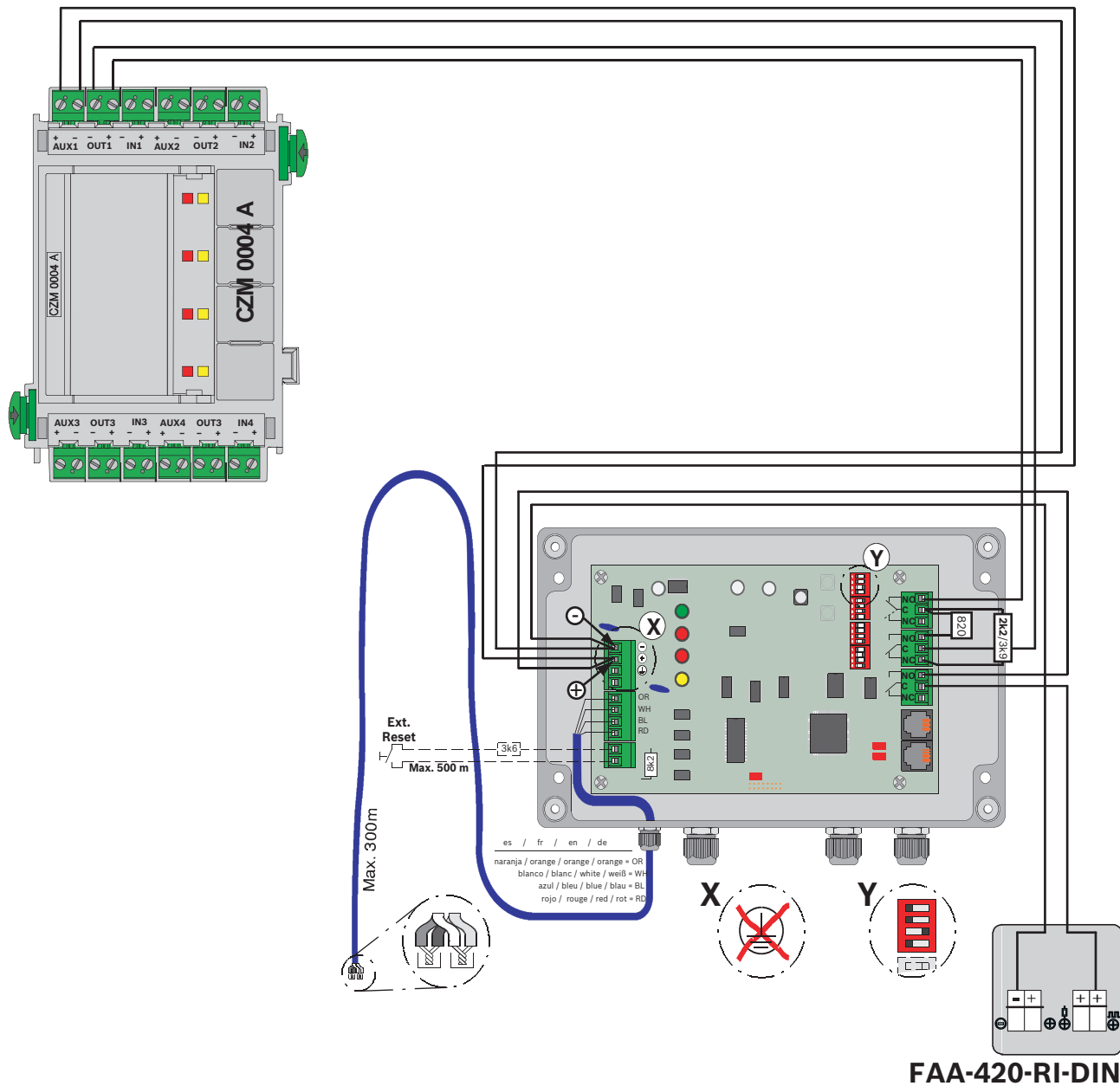
FCS-320-TP2



FCS-320-TP2

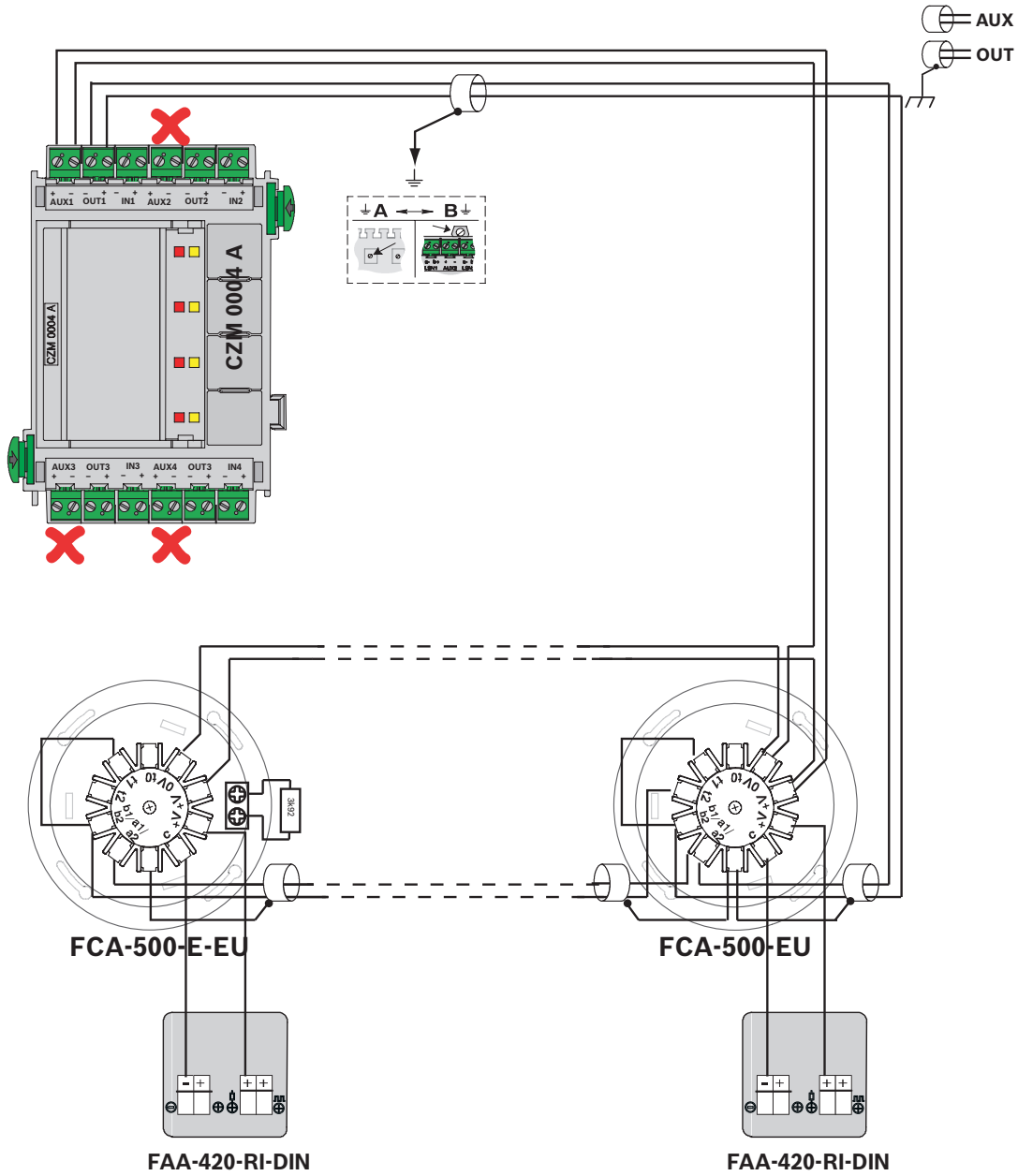


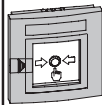
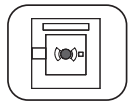
FCS-LWM-1



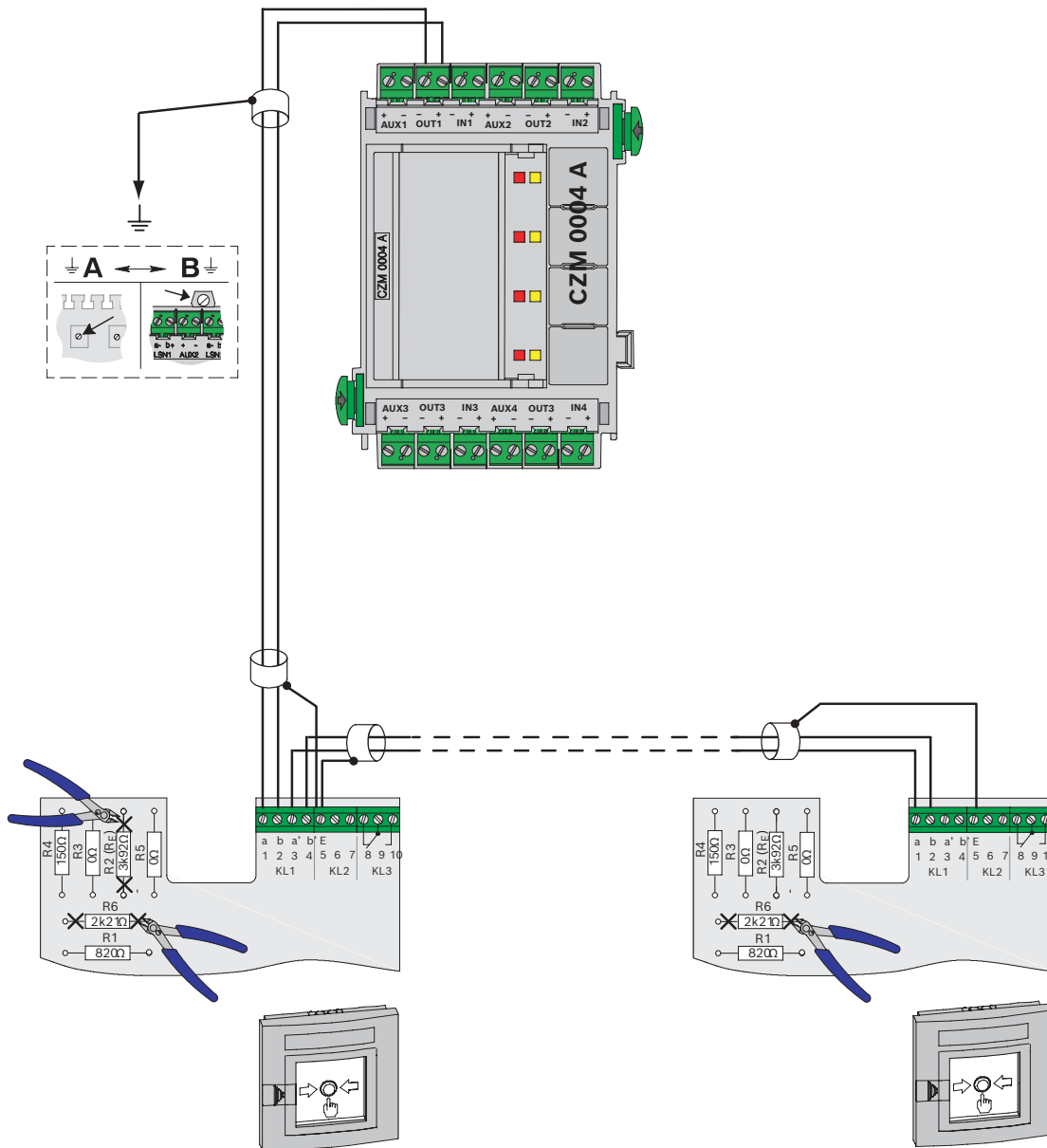
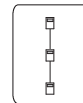


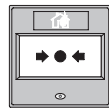
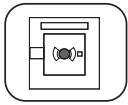
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 FCP-O 500
 FCP-O 500-P
 FCP-OC 500
 FCP-OC 500-P



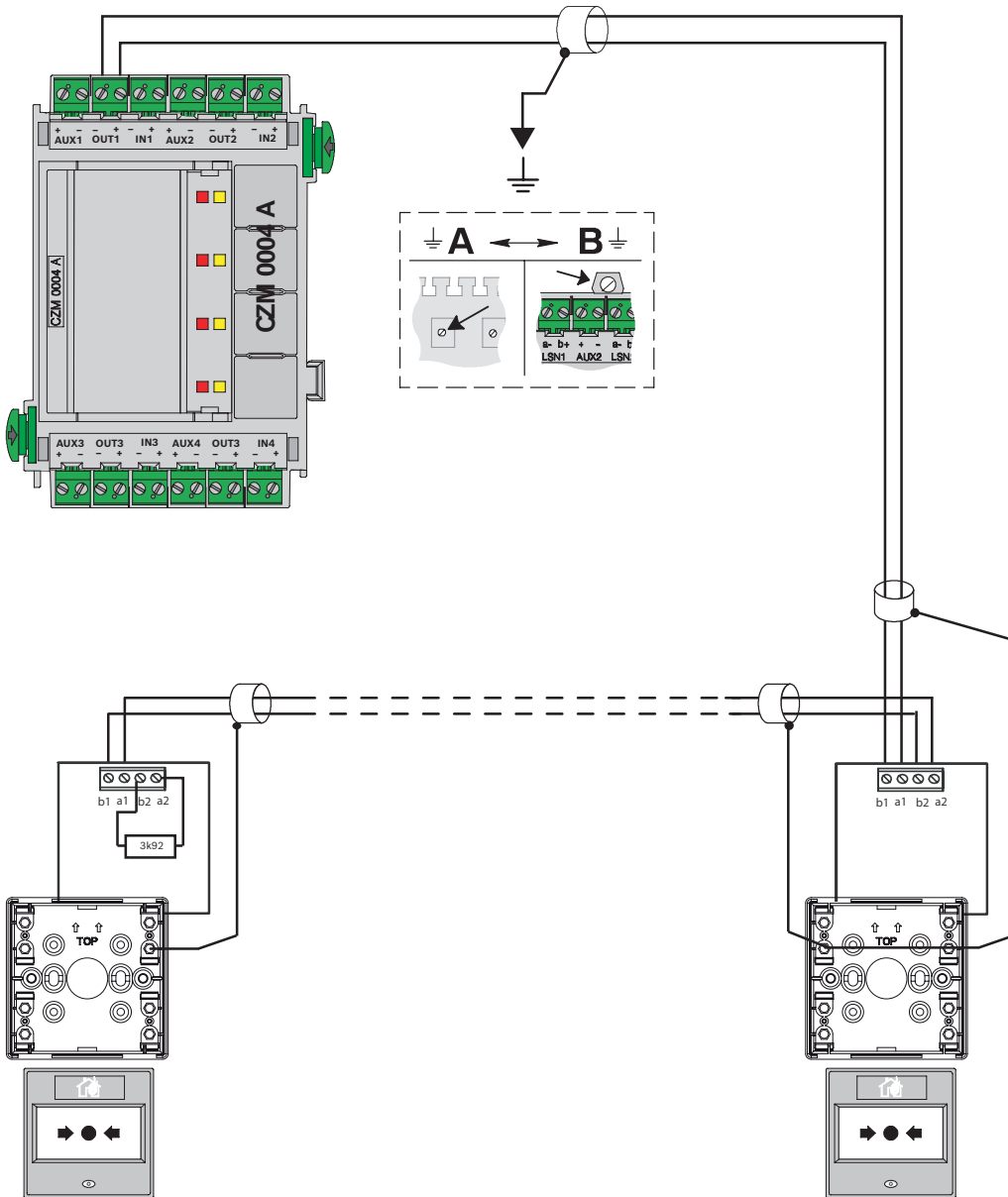
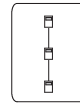


FMC-120-DKM-G-R
FMC-120-DKM-H-R
FMC-120-DKM-G-B
FMC-120-DKM-H-B
FMC-120-DKM-G-Y





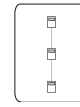
FMC-300RW-GSGBU
FMC-300RW-GSRBU
FMC-300RW-GSGRD
FMC-300RW-GSRRD
FMC-300RW-GSGYE
FMC-300RW-GSRYE



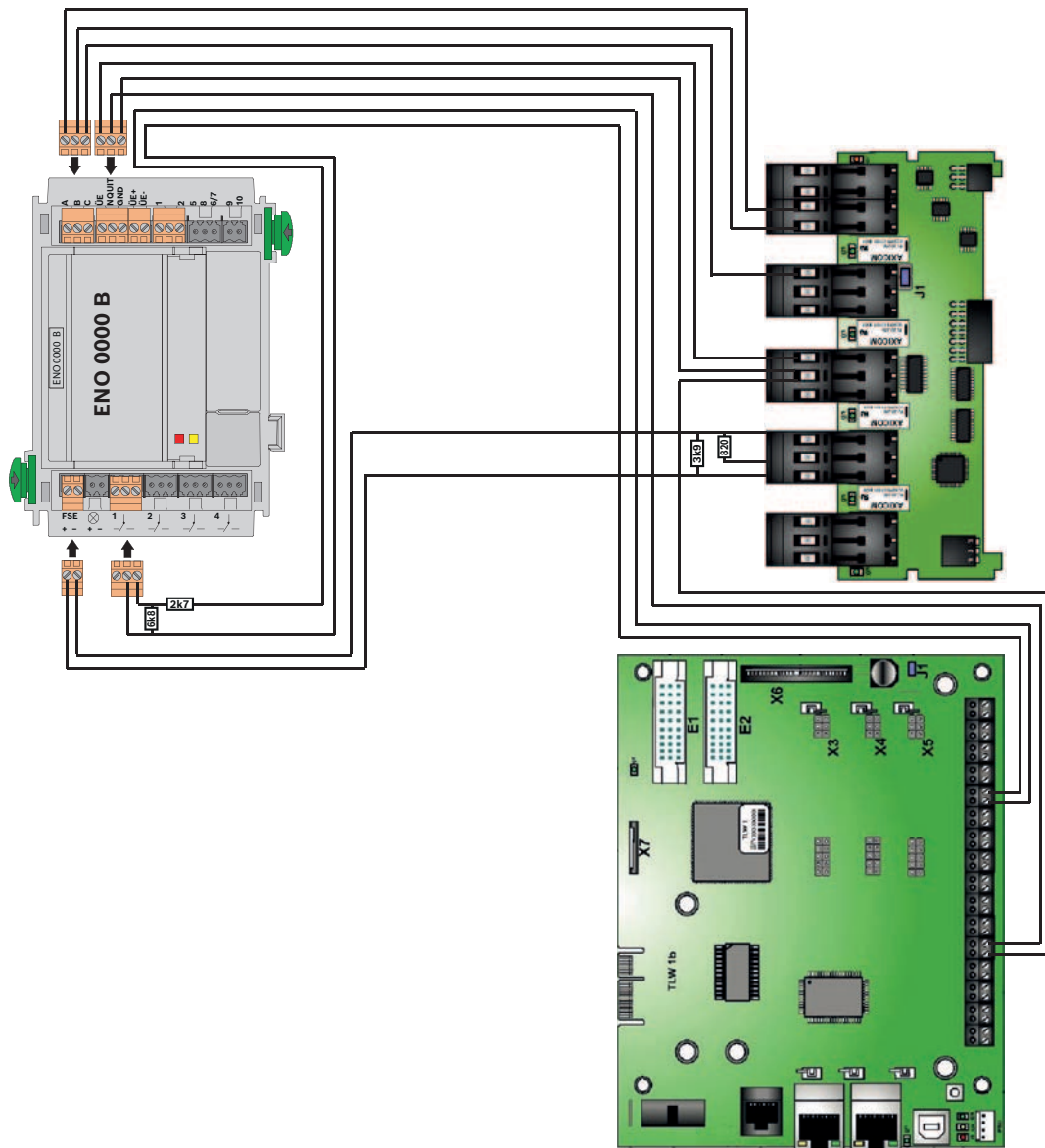
2.4.3 ENO 0000 A/B

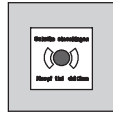


AT5000 IP/GPRS

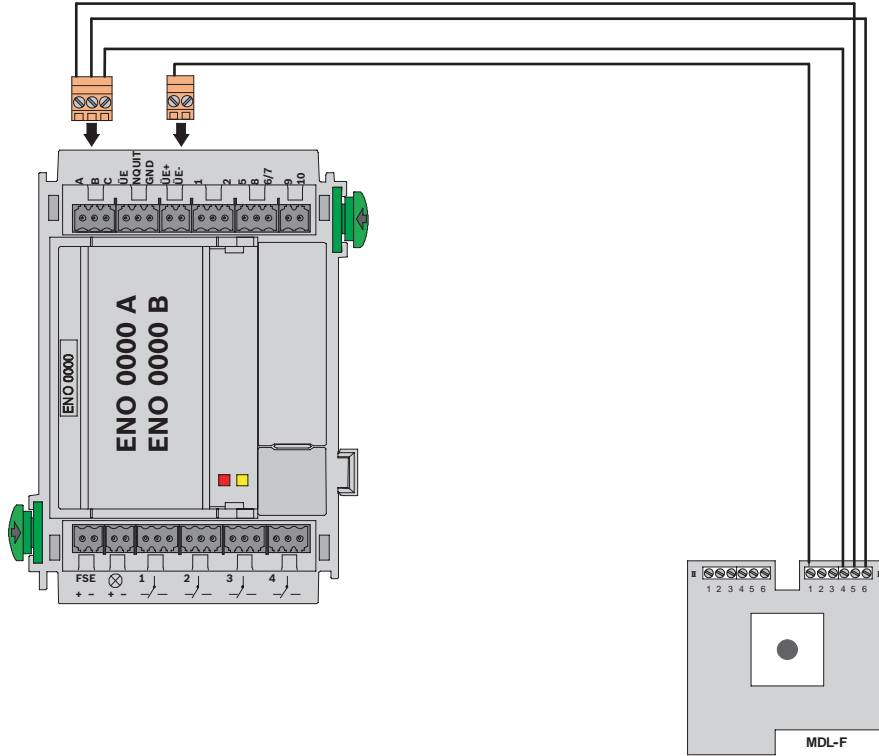


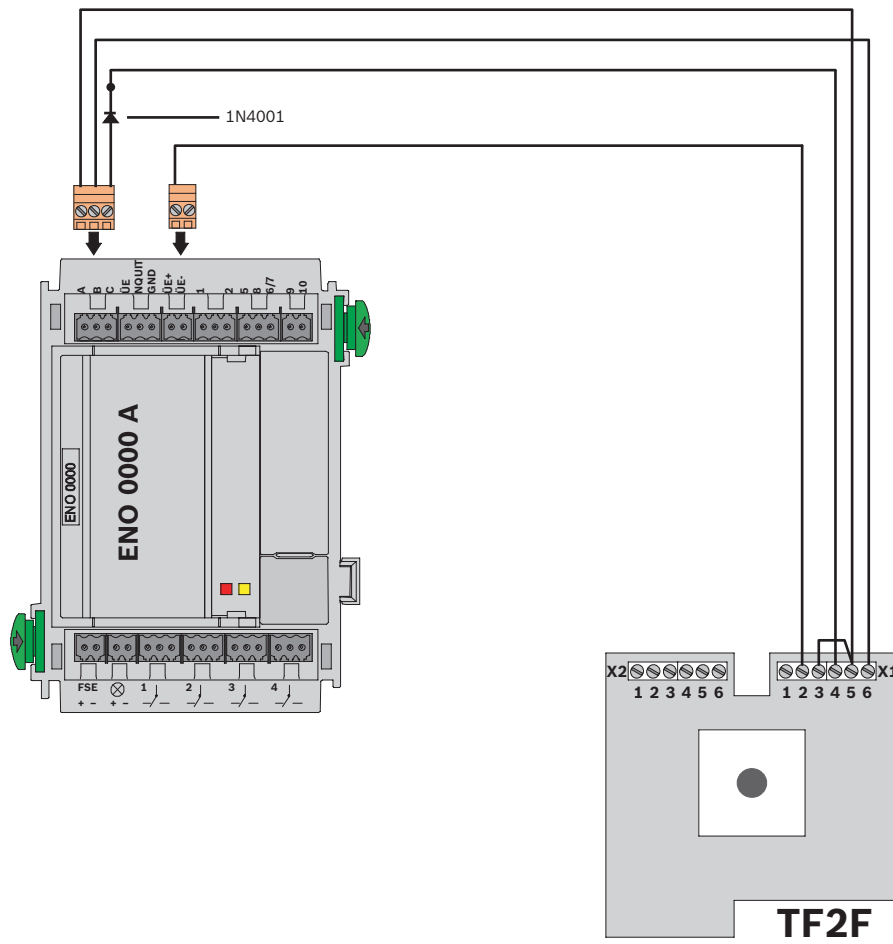
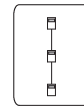
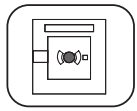
EN 54-2

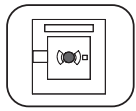




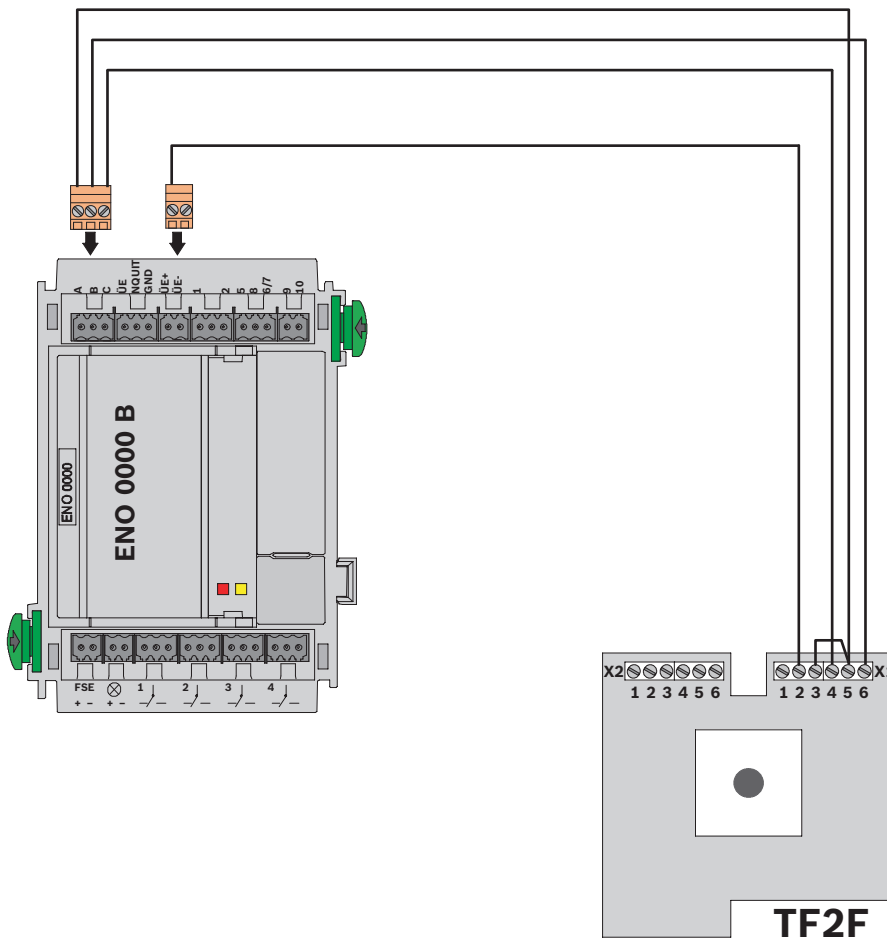
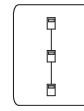
MDL-F

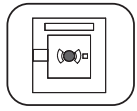




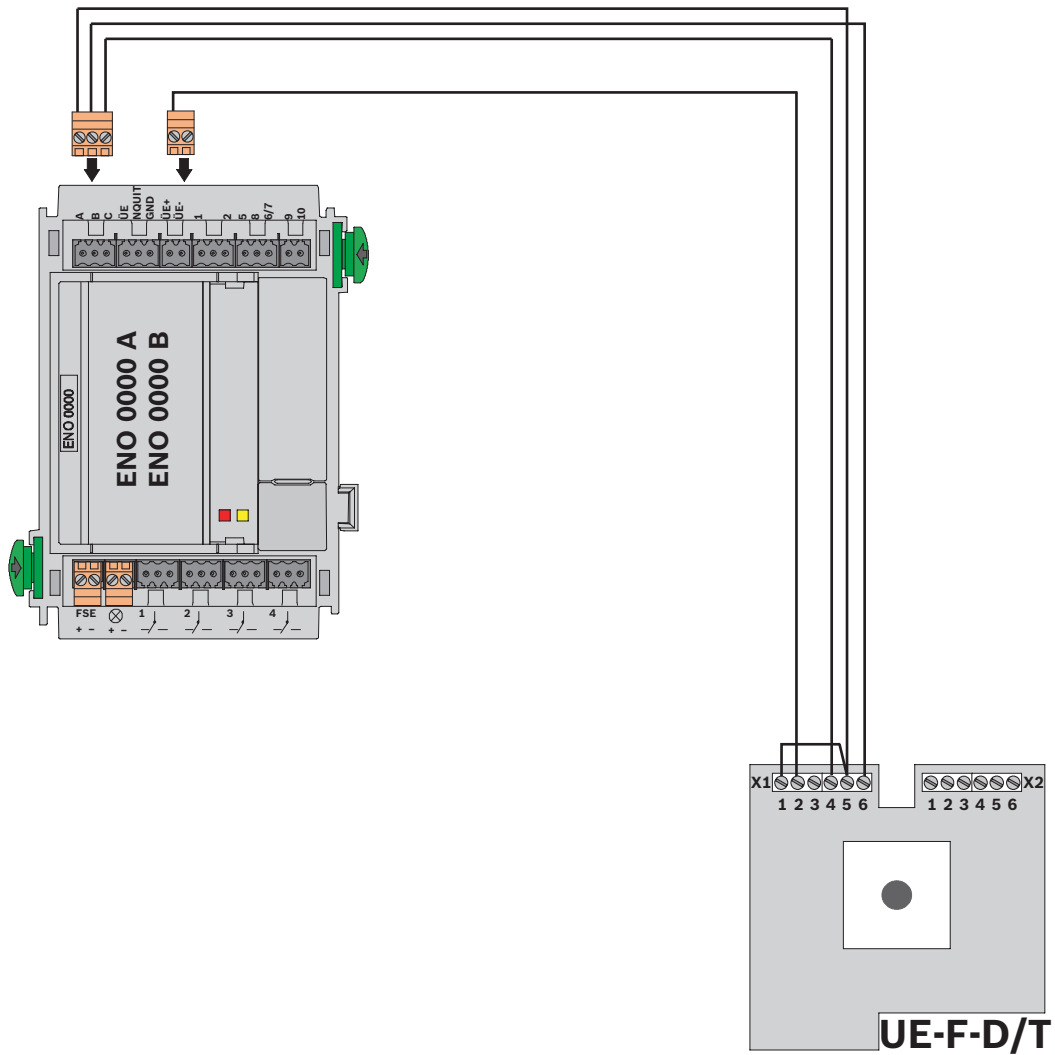


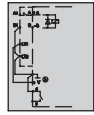
TF2F



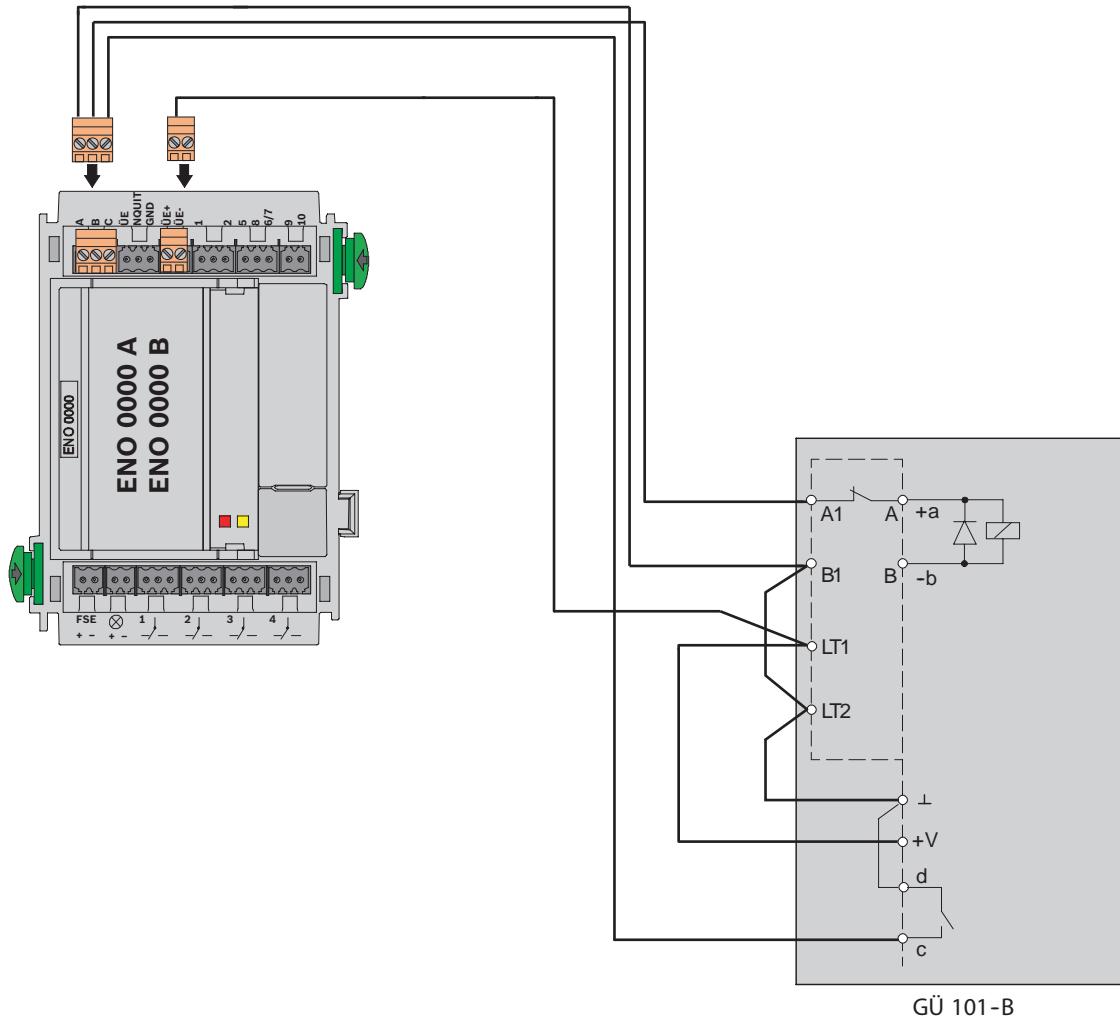
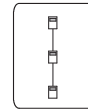


UE-F-D/T

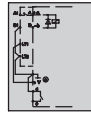




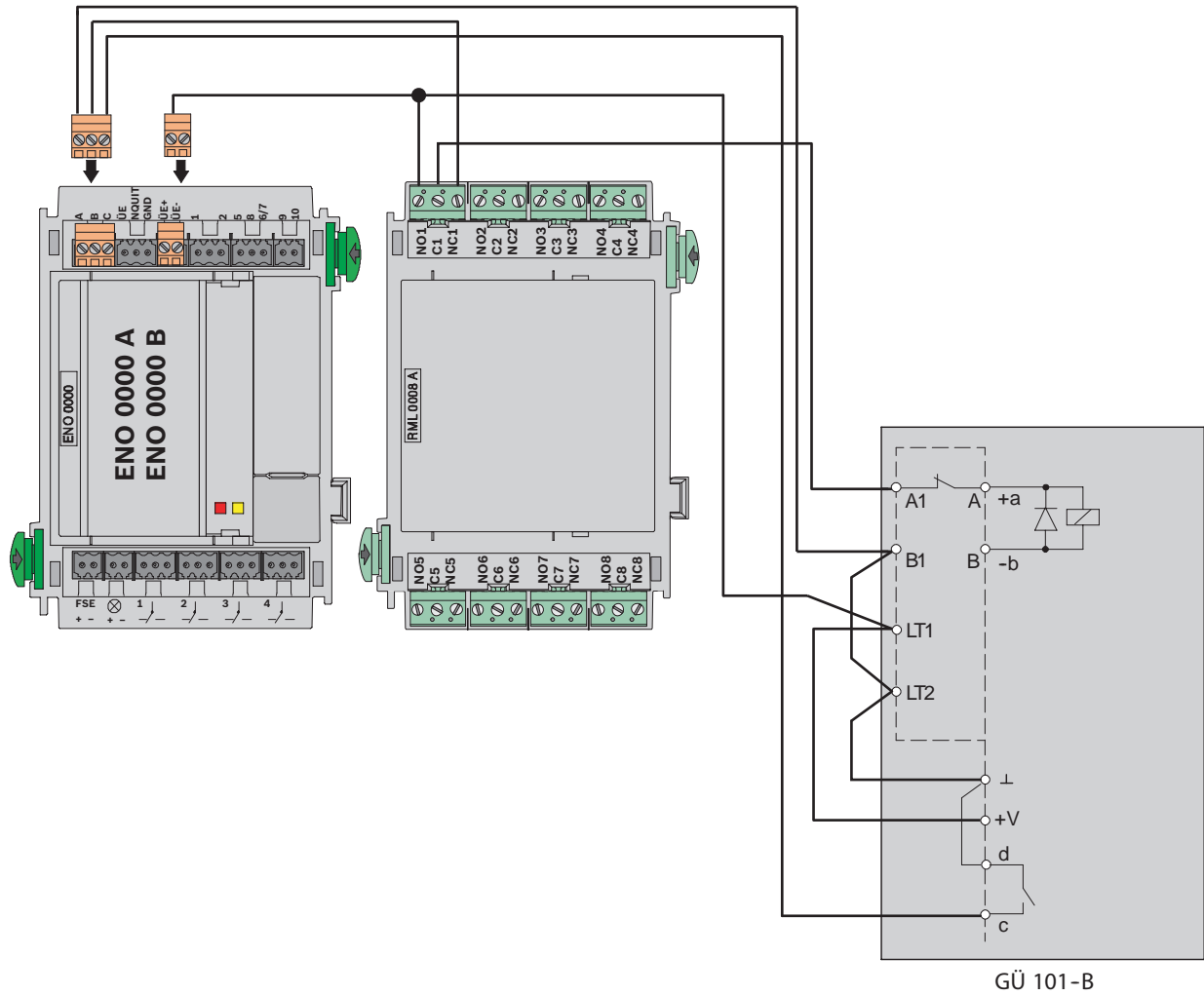
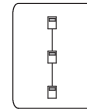
GÜ 101-B



GÜ 101-B

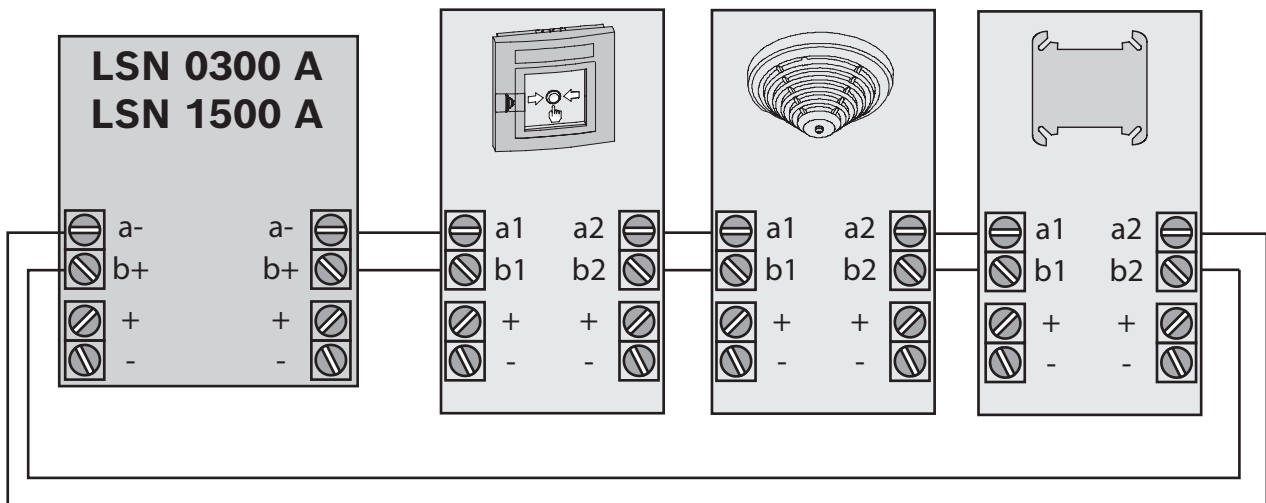
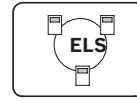


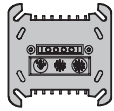
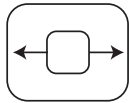
GÜ 101-B



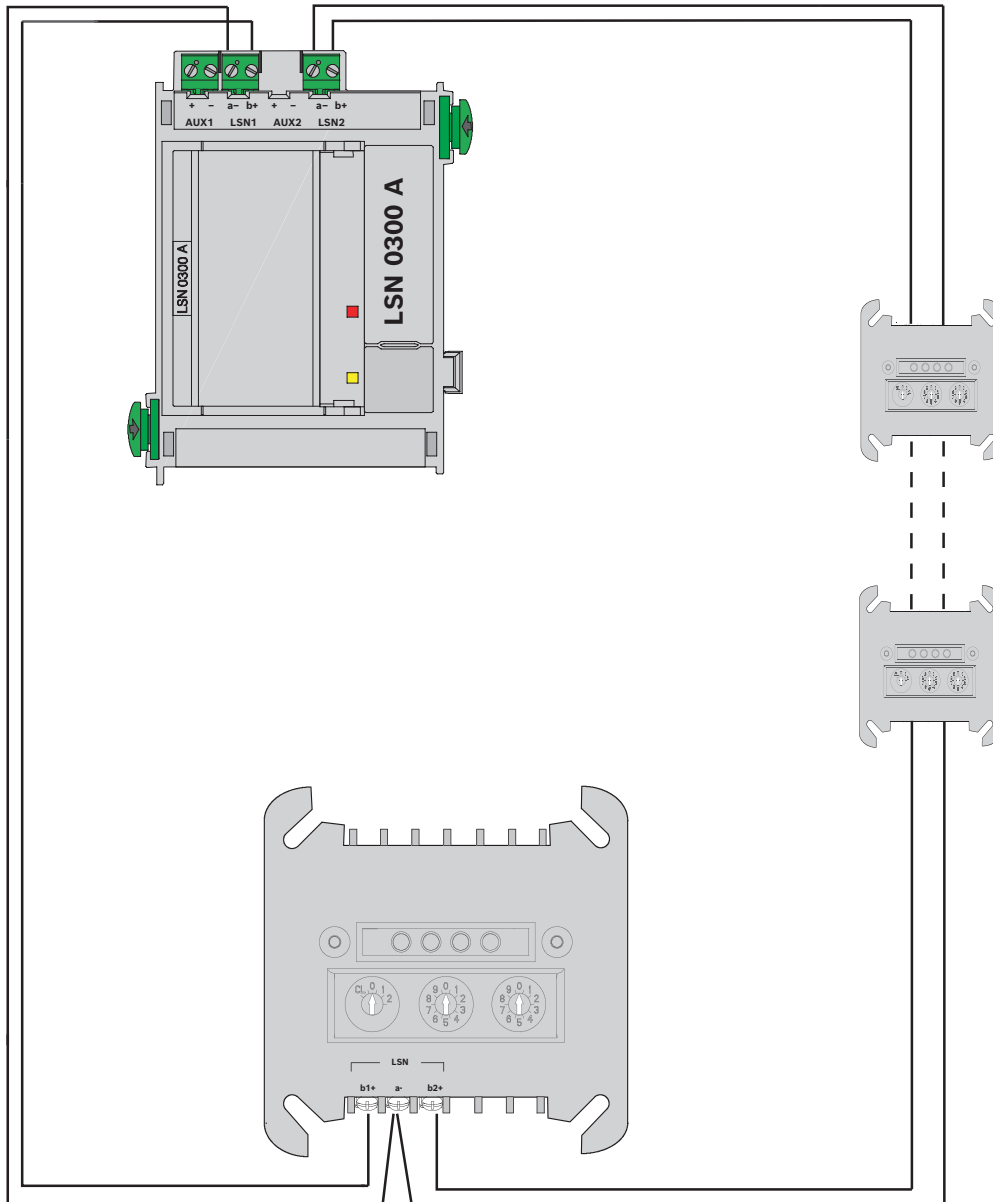
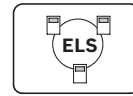
2.4.4

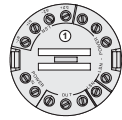
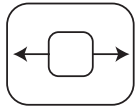
LSN 0300 A



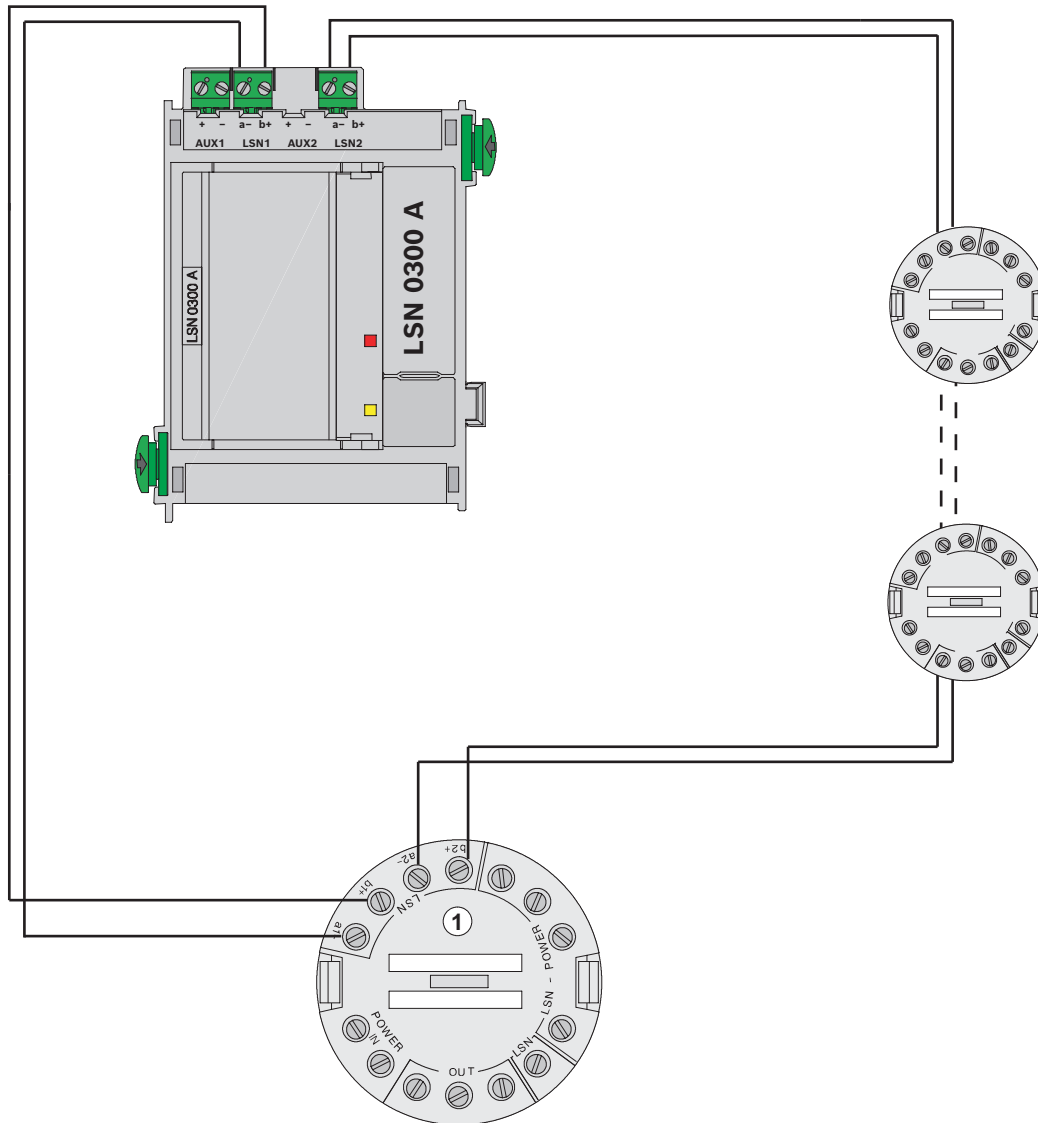
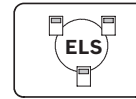


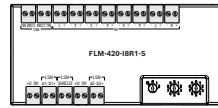
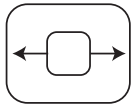
FLM-I 420-S
FLM-420-I2-D
FLM-420-O1I1-D
FLM-420-RHV-D/S
FLM-420-RLV1-D



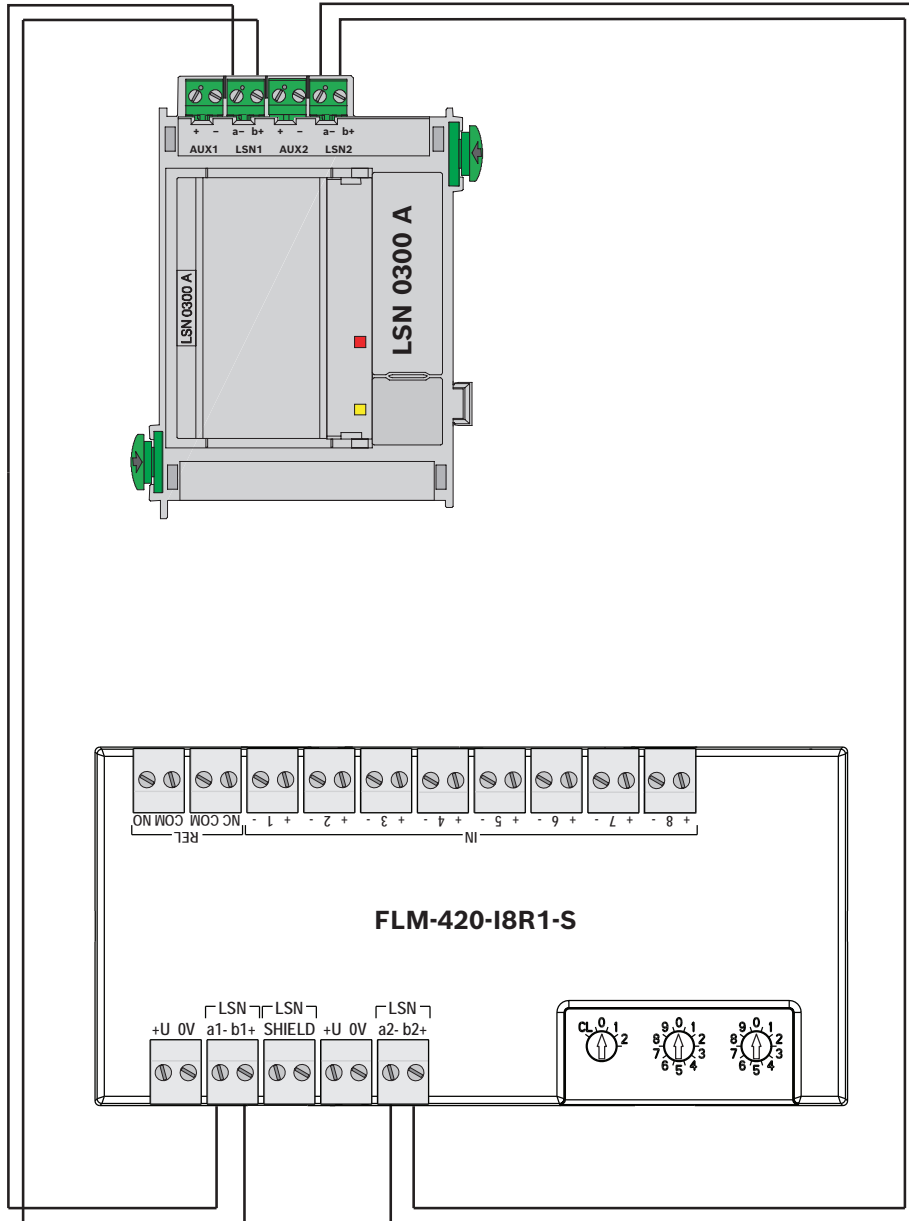
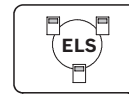


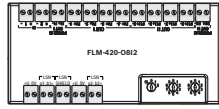
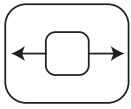
FLM-420-I2-E/W
FLM-420-RLV1-E



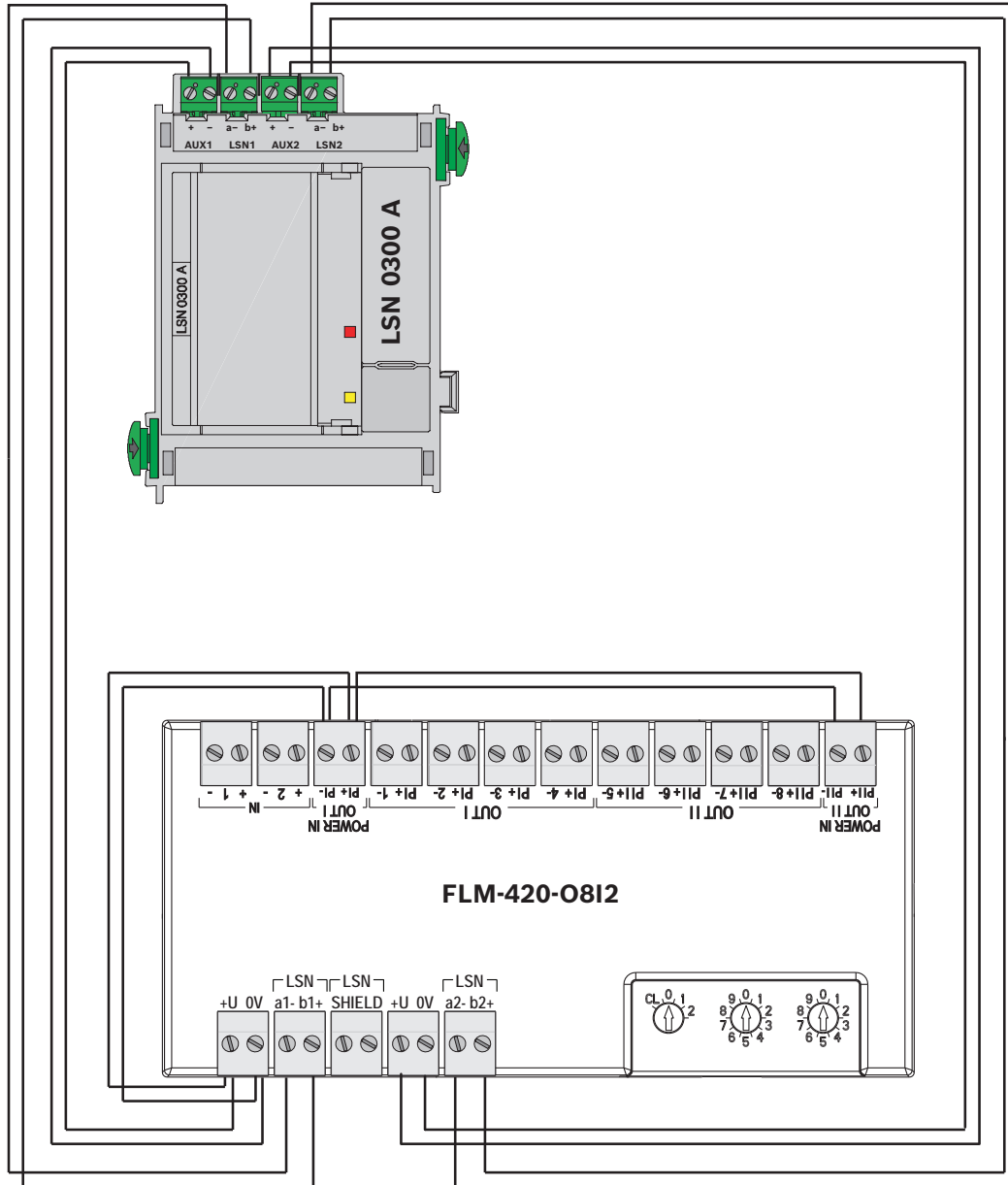
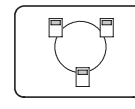


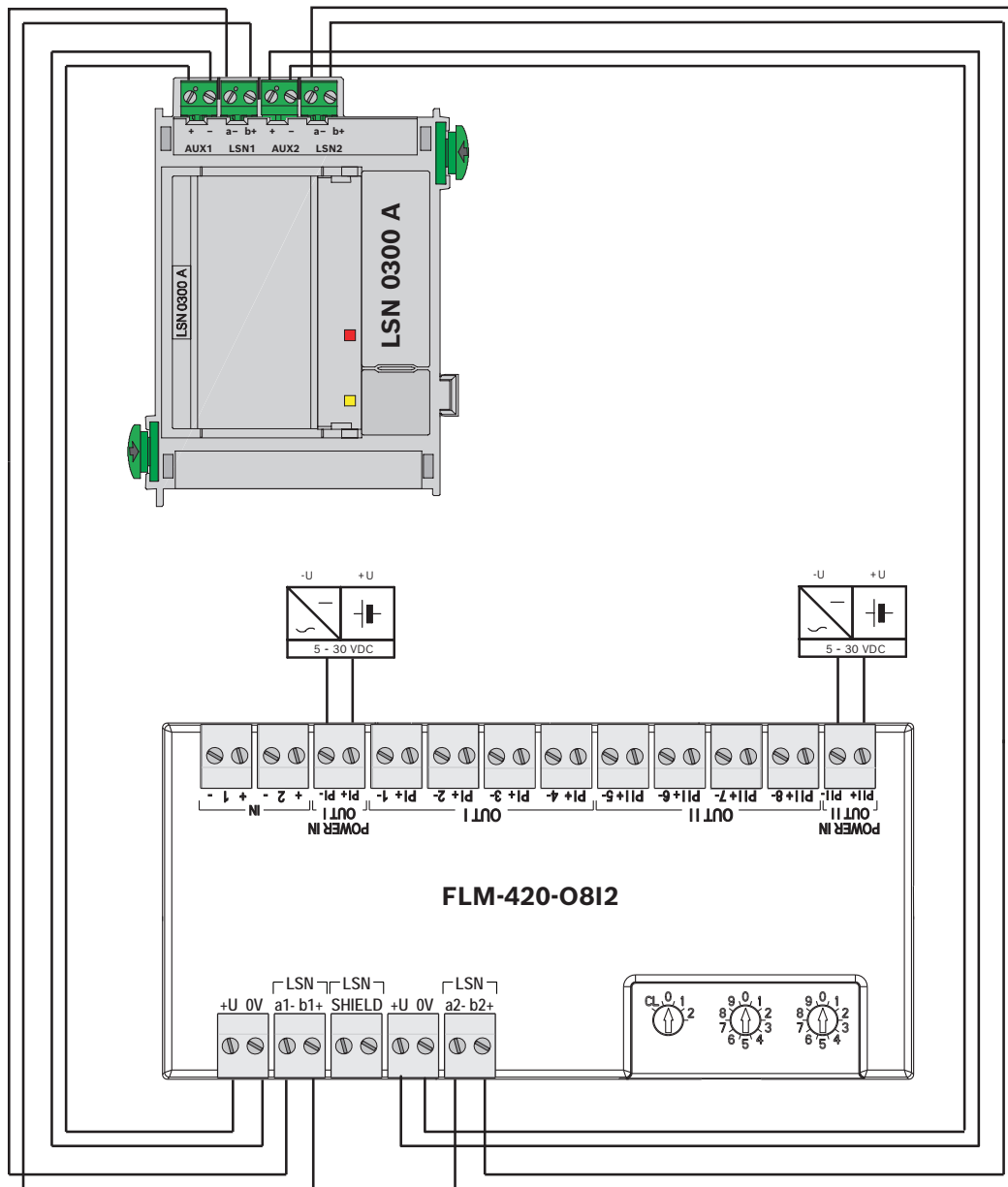
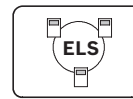
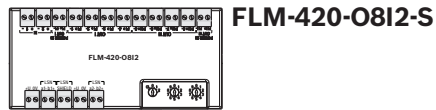
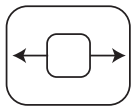
FLM-420-18R1-S

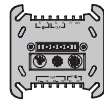
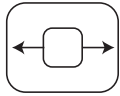




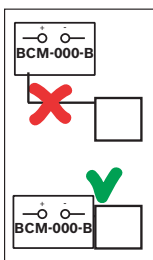
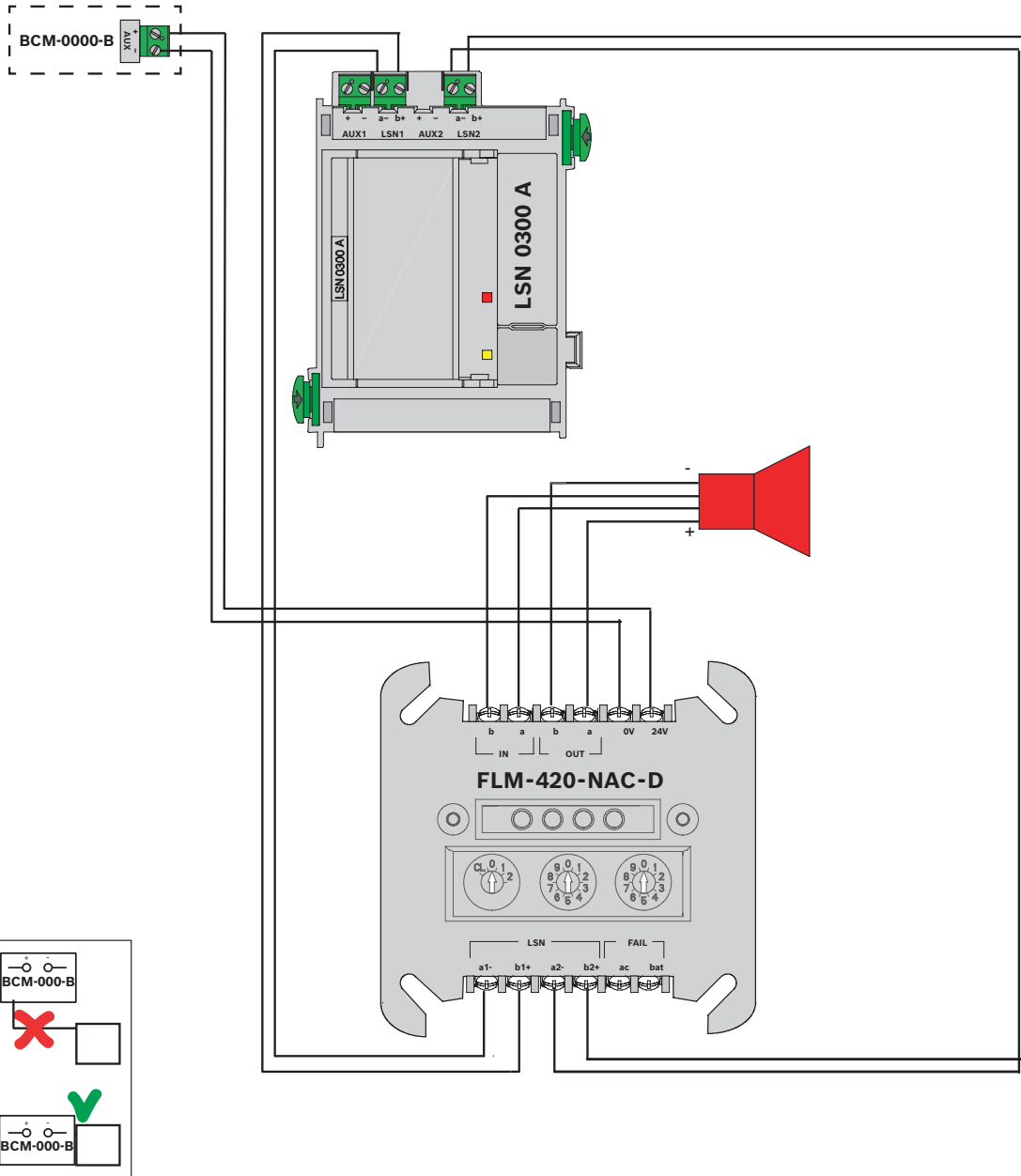
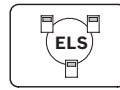
FLM-420-0812-S

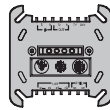
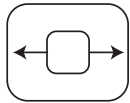




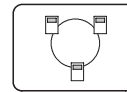


FLM-420-NAC-D/S

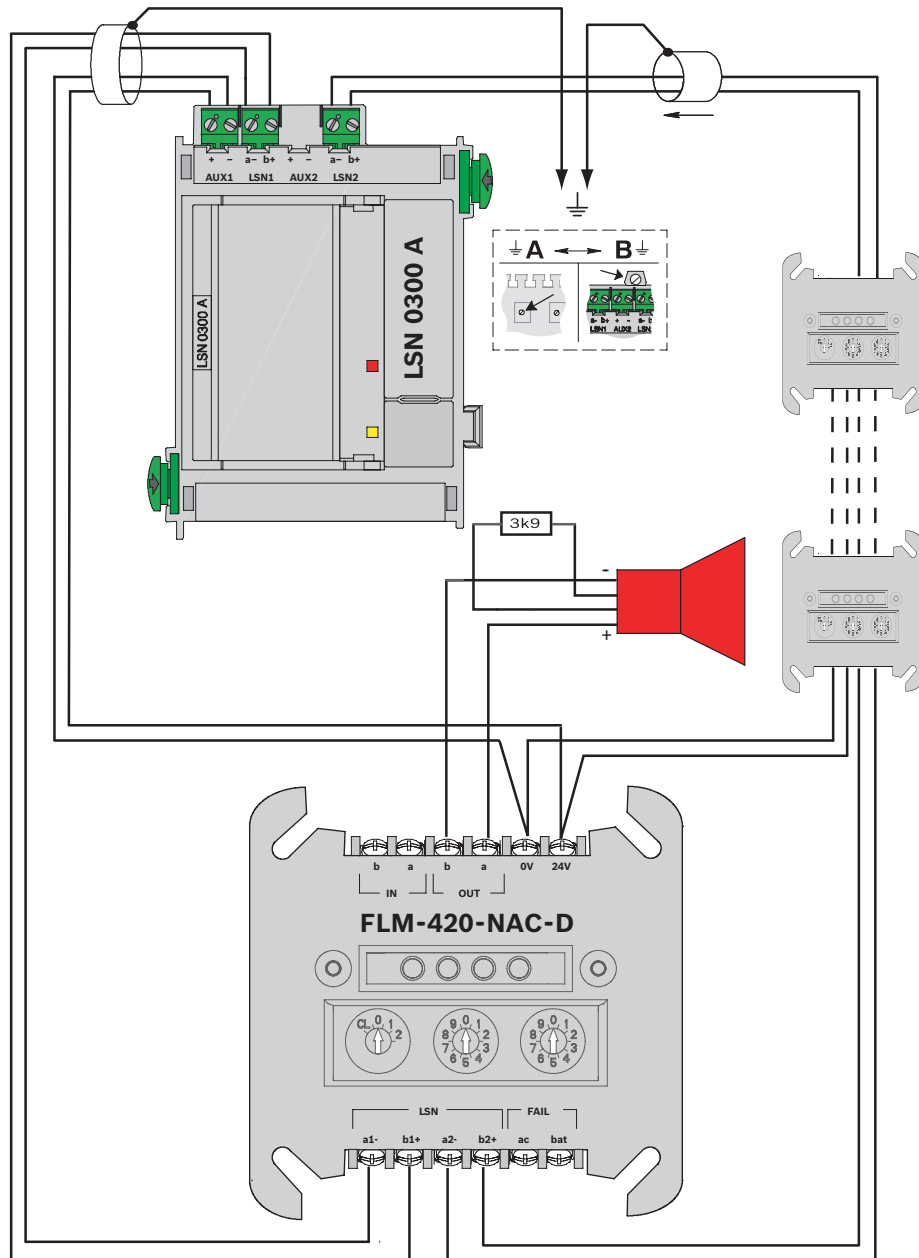


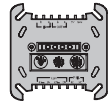
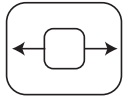


FLM-420-NAC-D/S

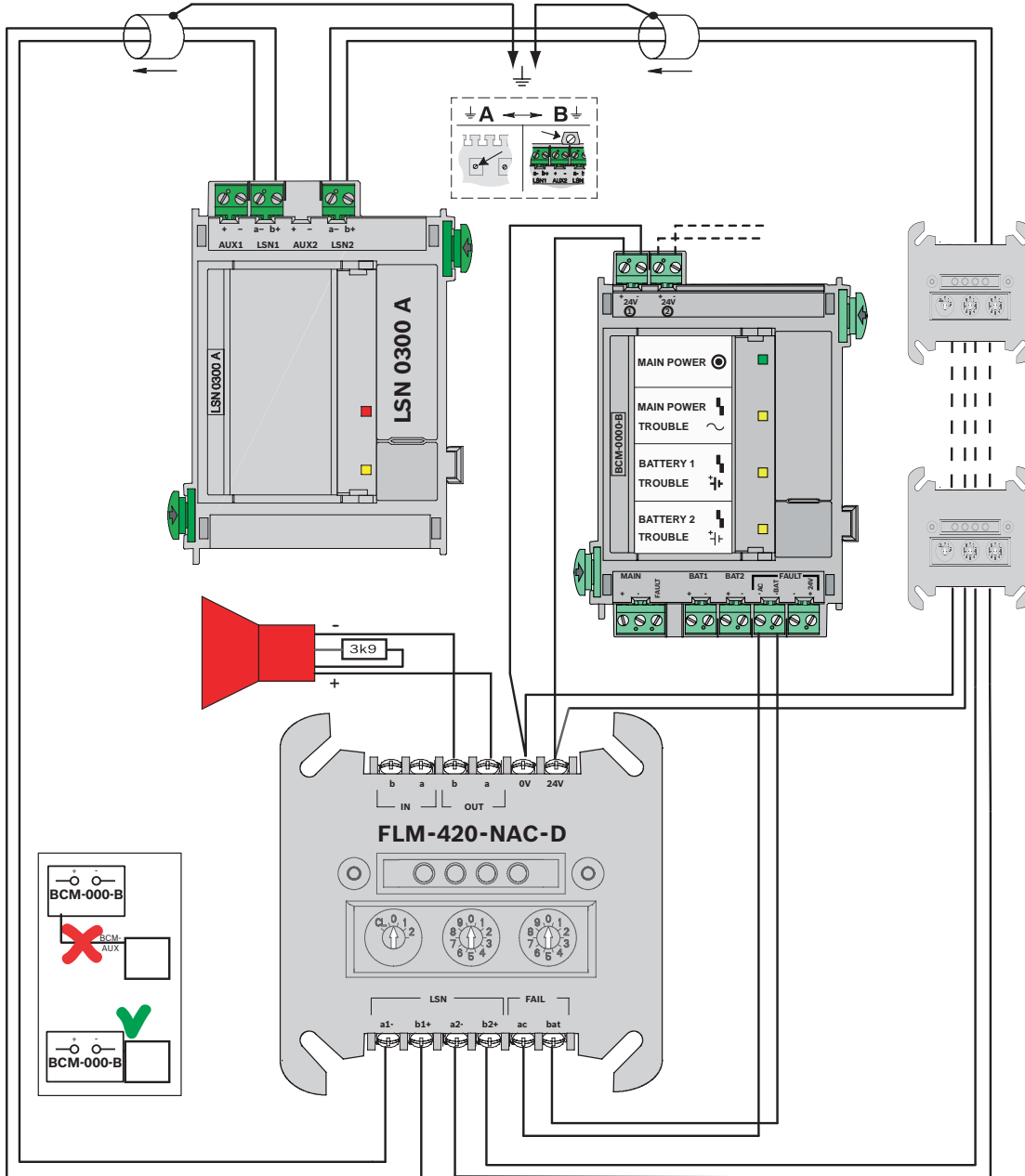
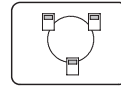


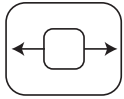
EN 54-2



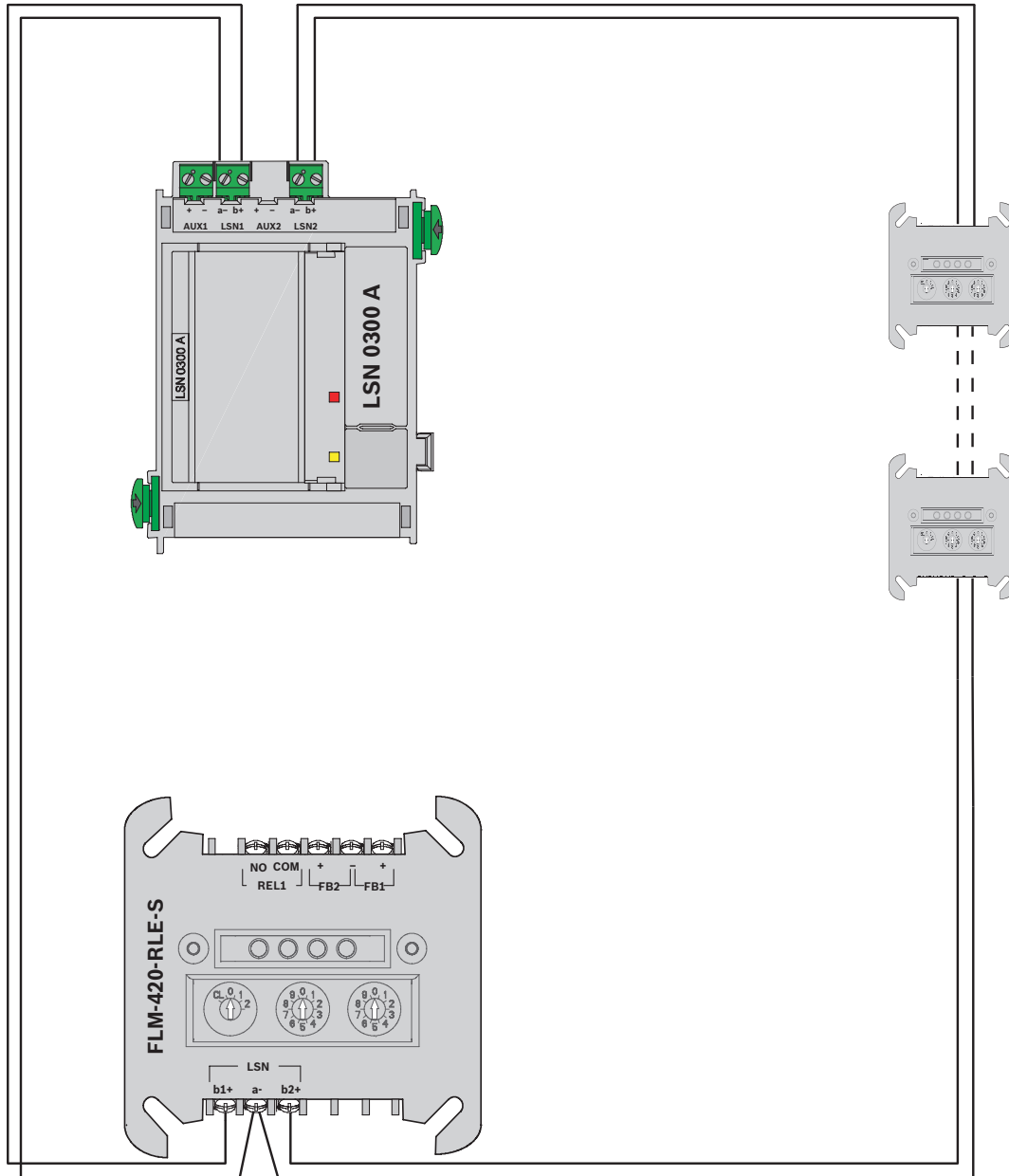
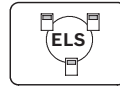


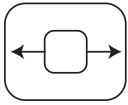
FLM-420-NAC-D/S



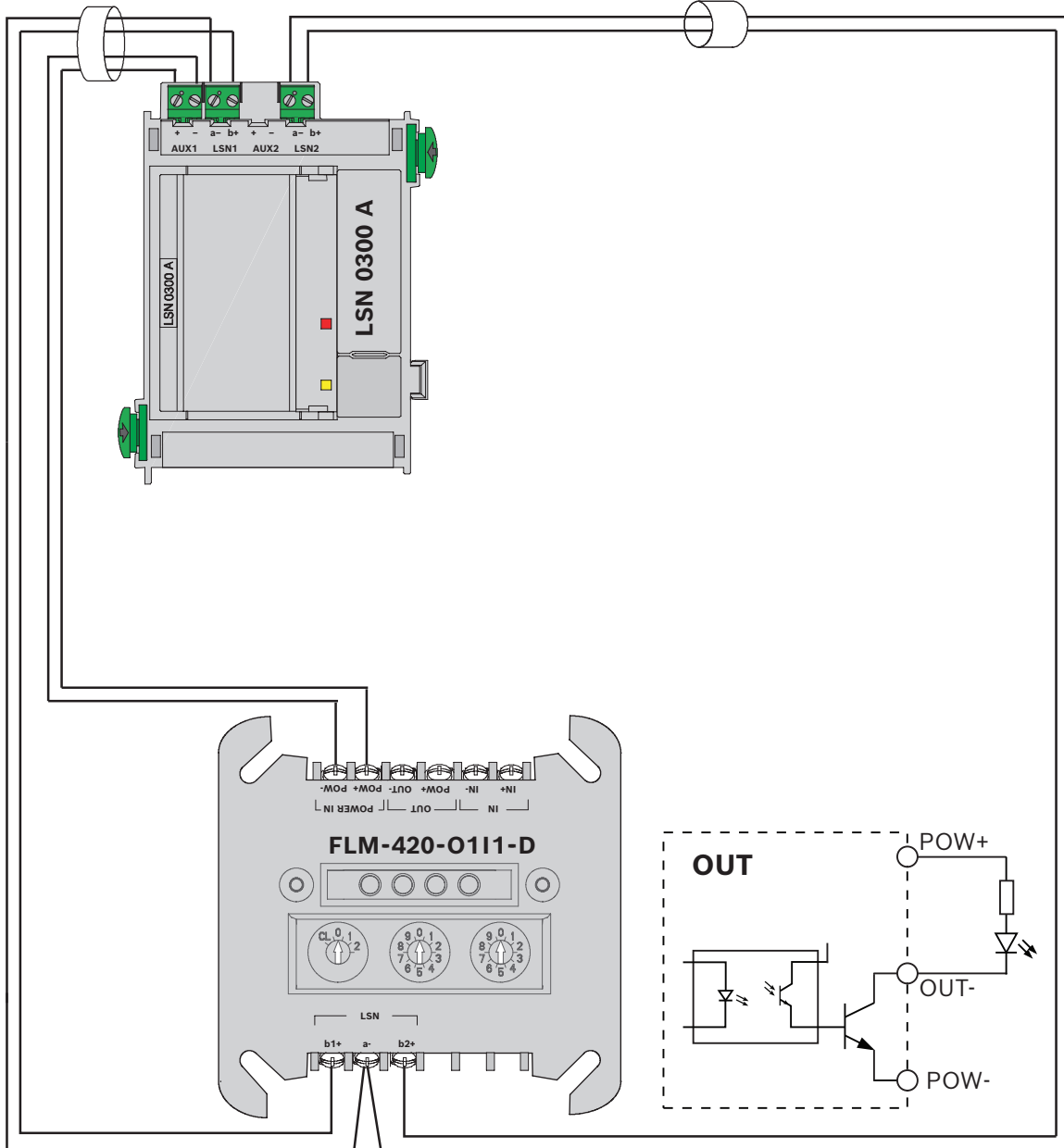
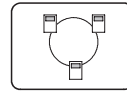


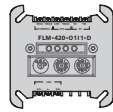
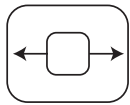
FLM-420-RLE-S



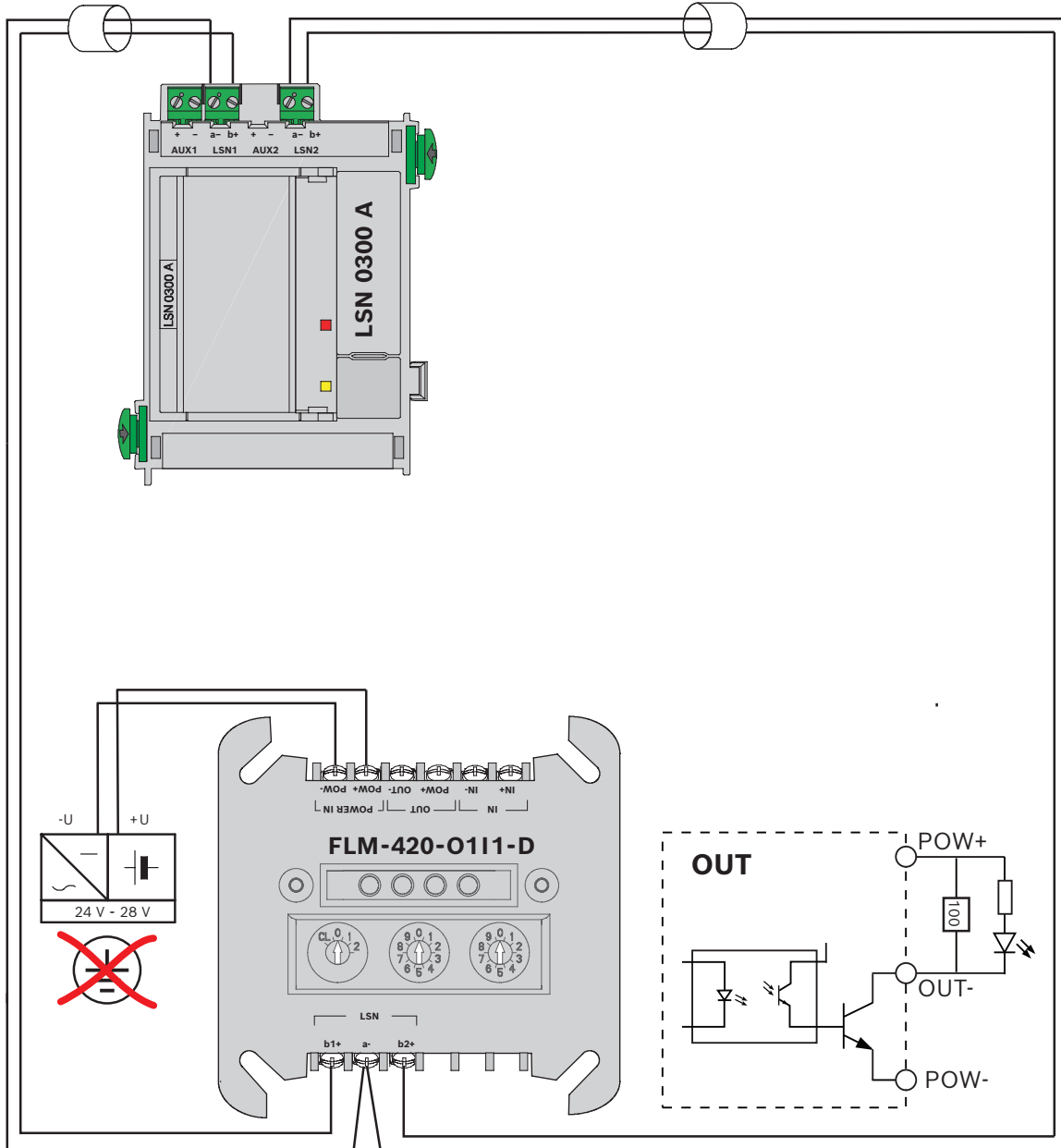
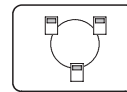


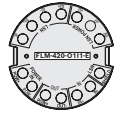
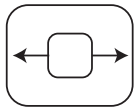
FLM-420-O111-D



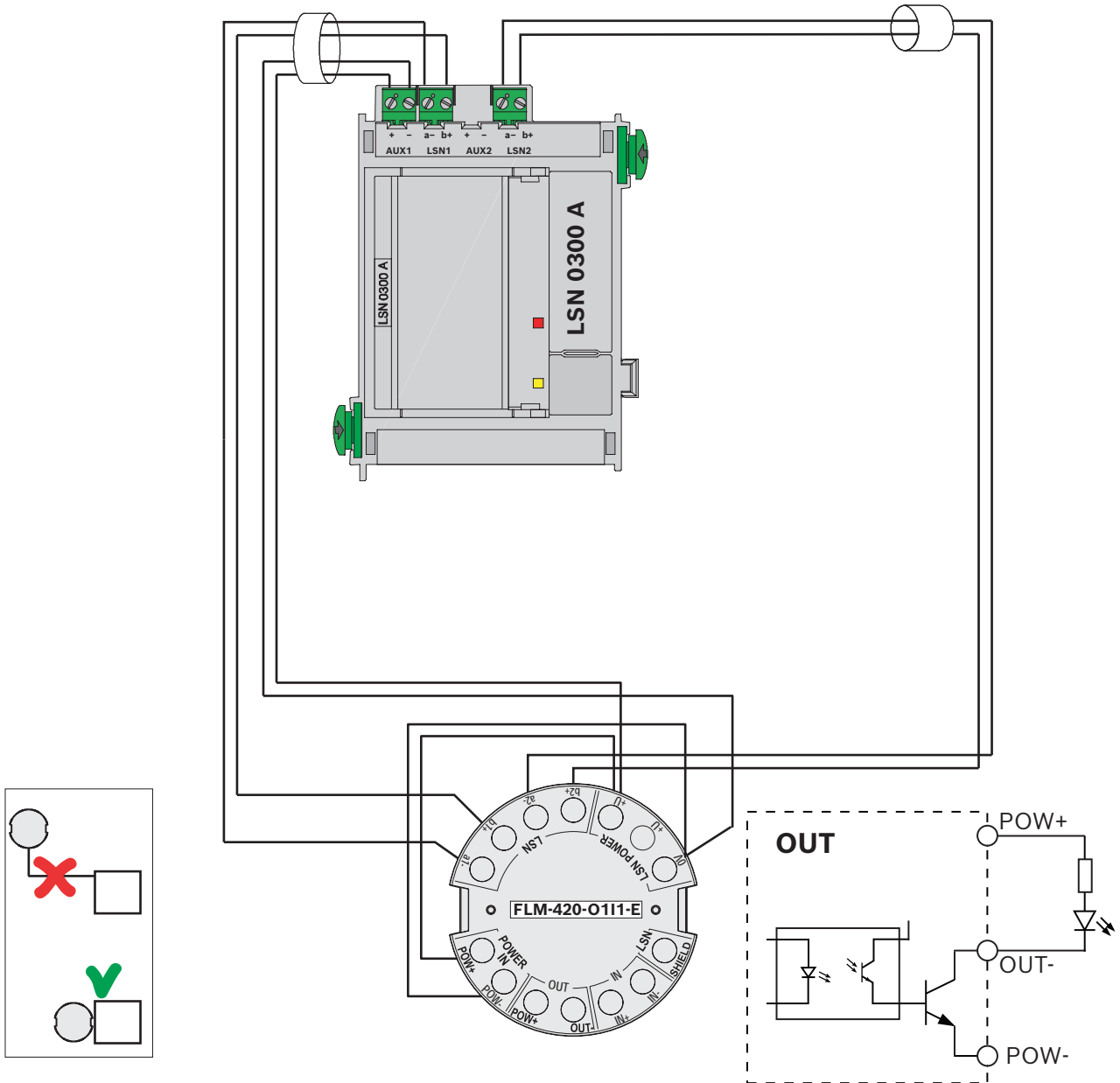
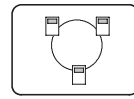


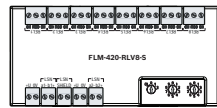
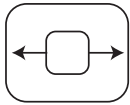
FLM-420-O111-D



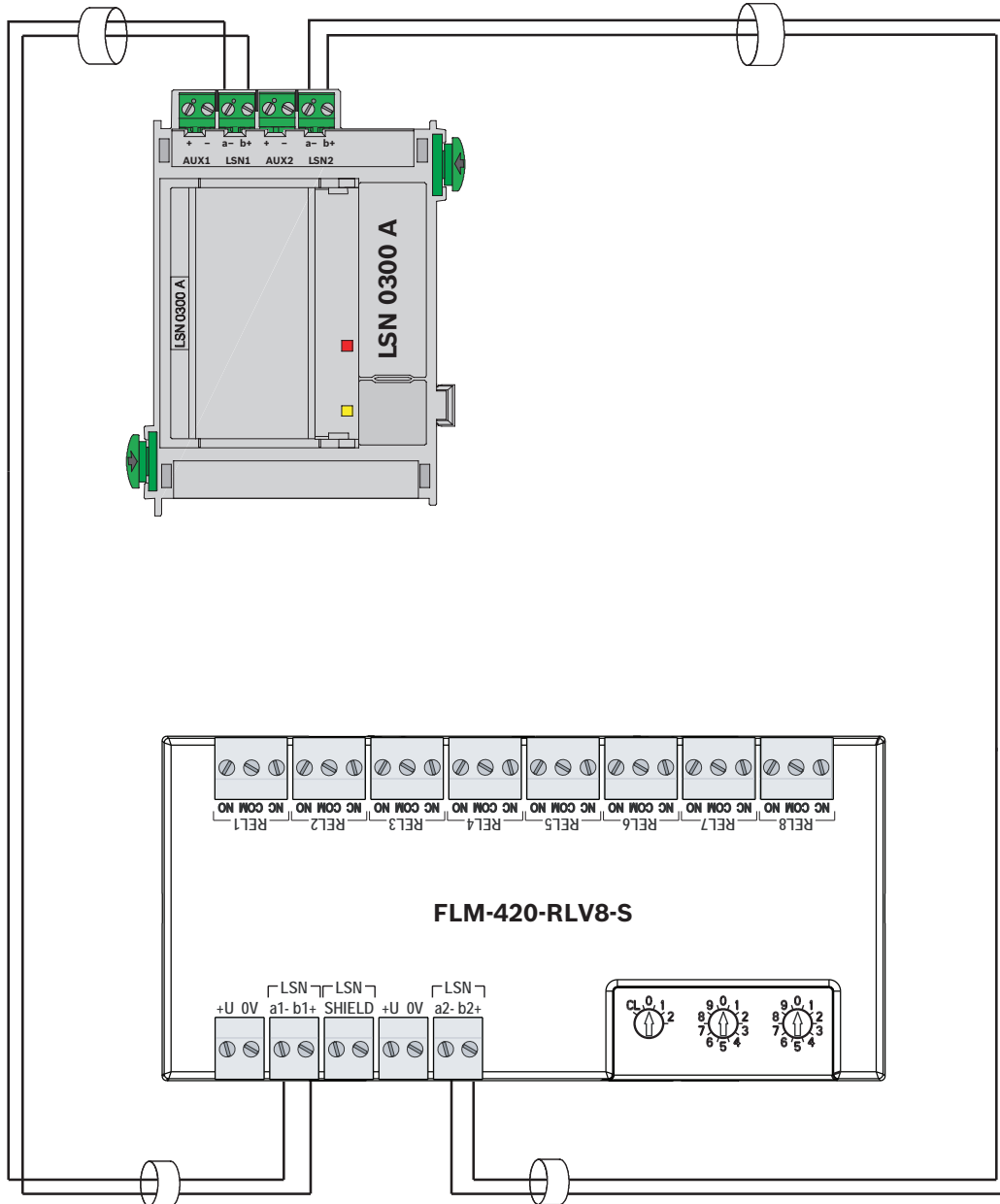
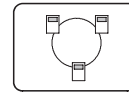


FLM-420-O111-E



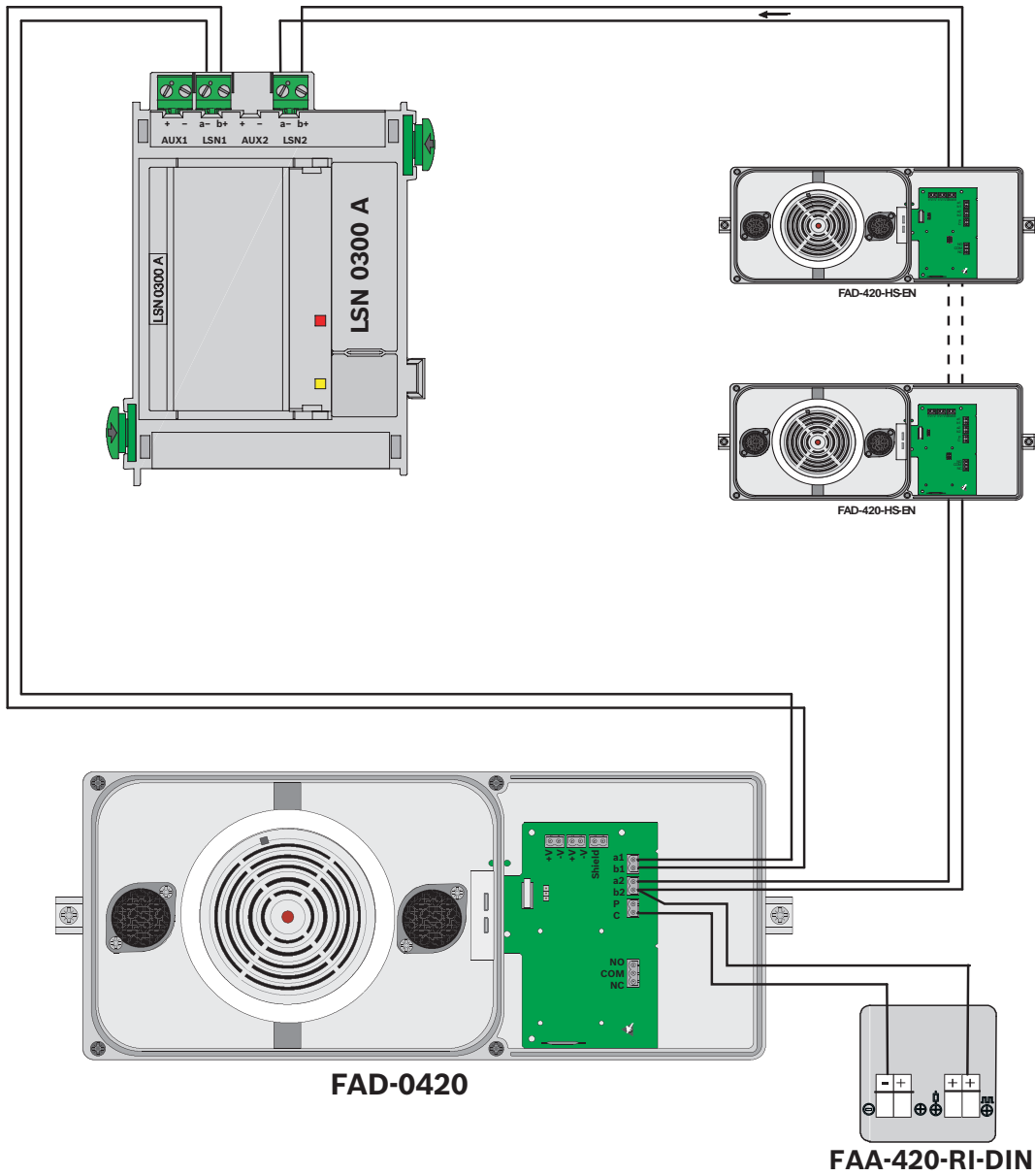


FLM-420-RLV8-S



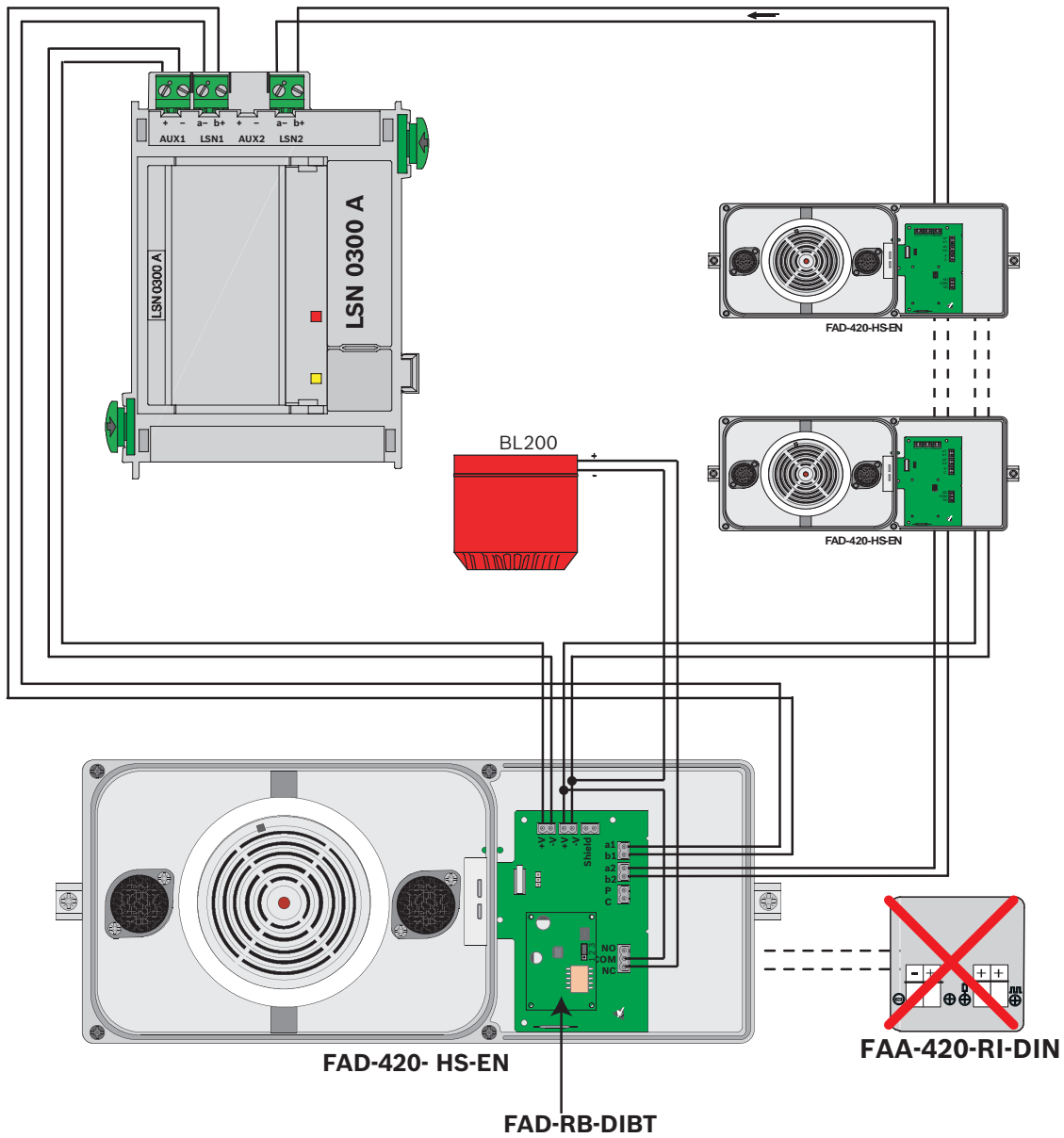


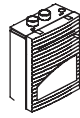
FAD-0420



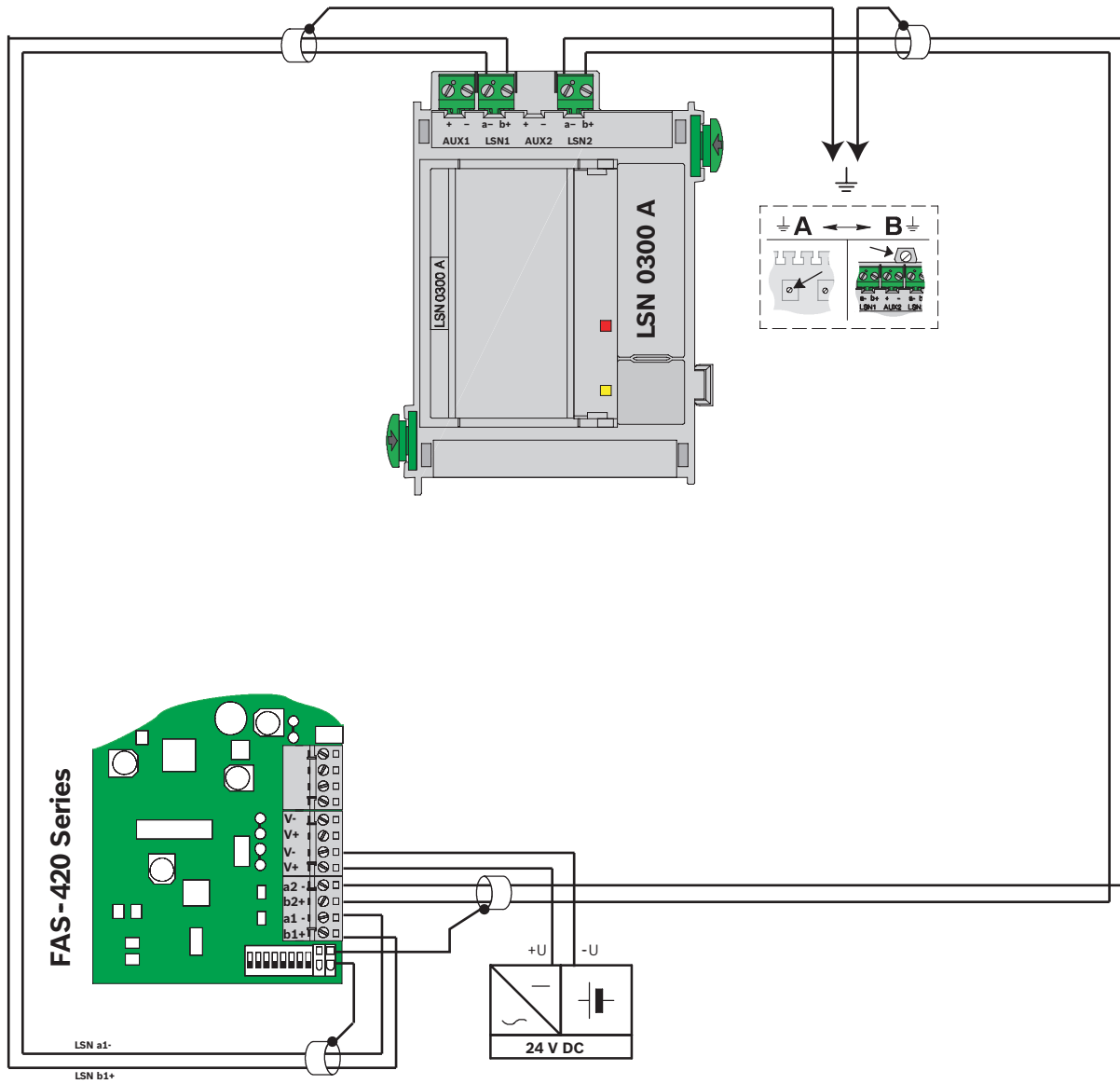


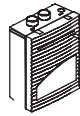
FAD-420-HS-EN



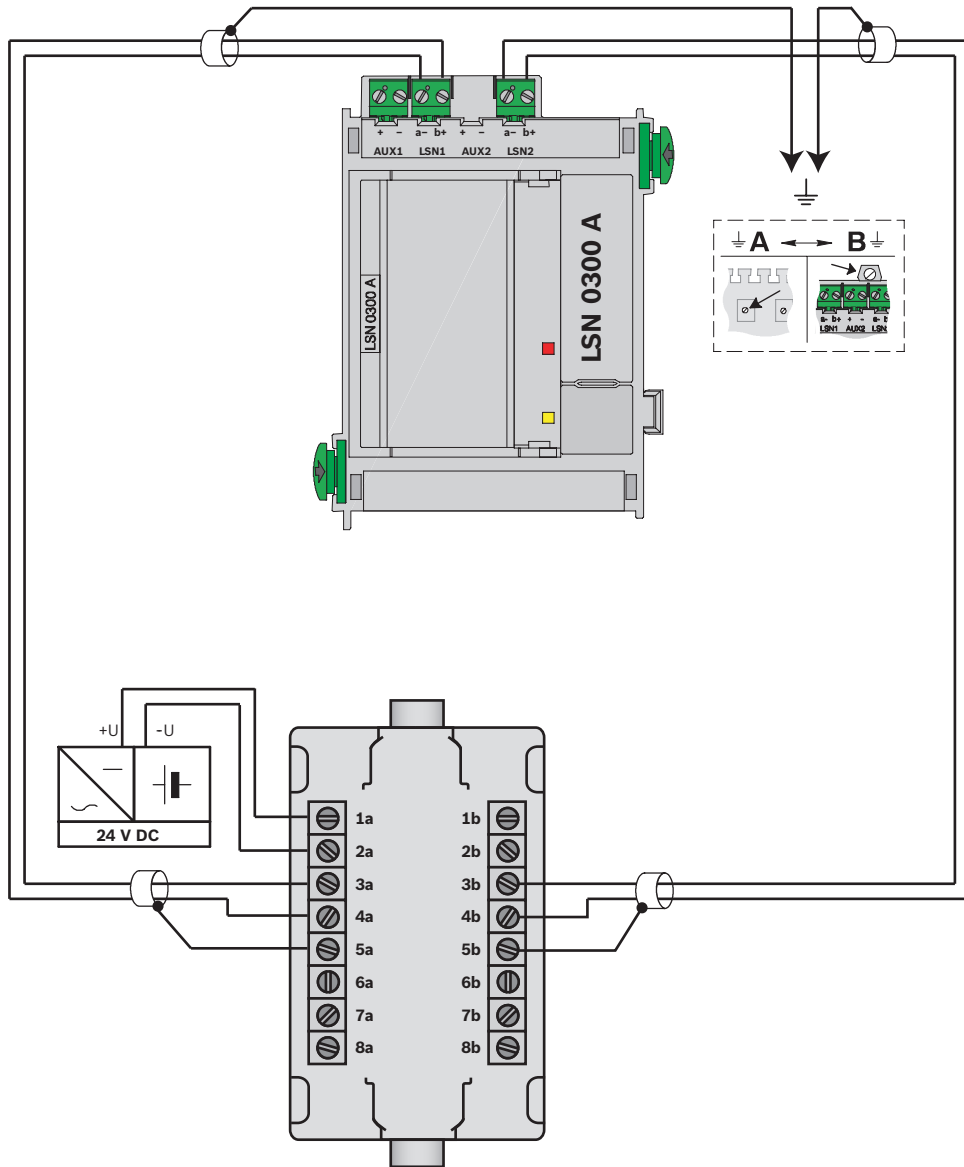


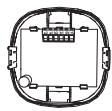
FAS-420 Series



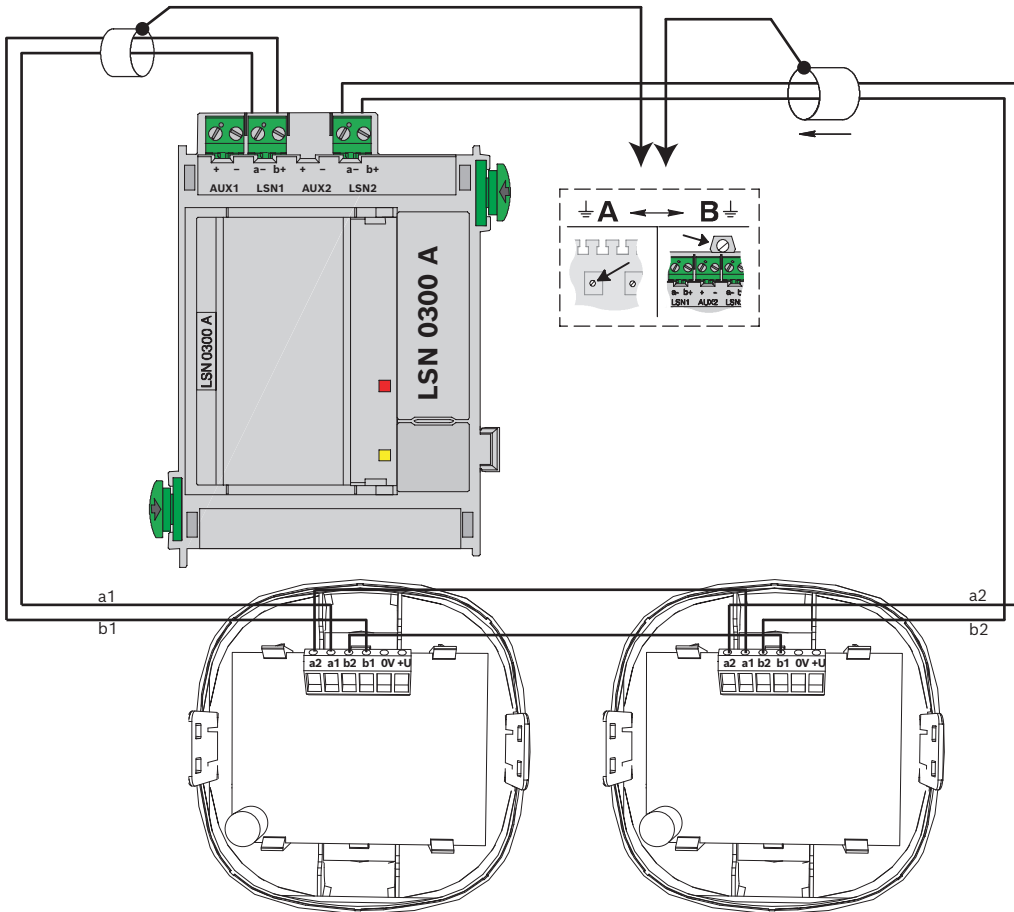
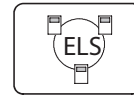


FAS-420-TM Series





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

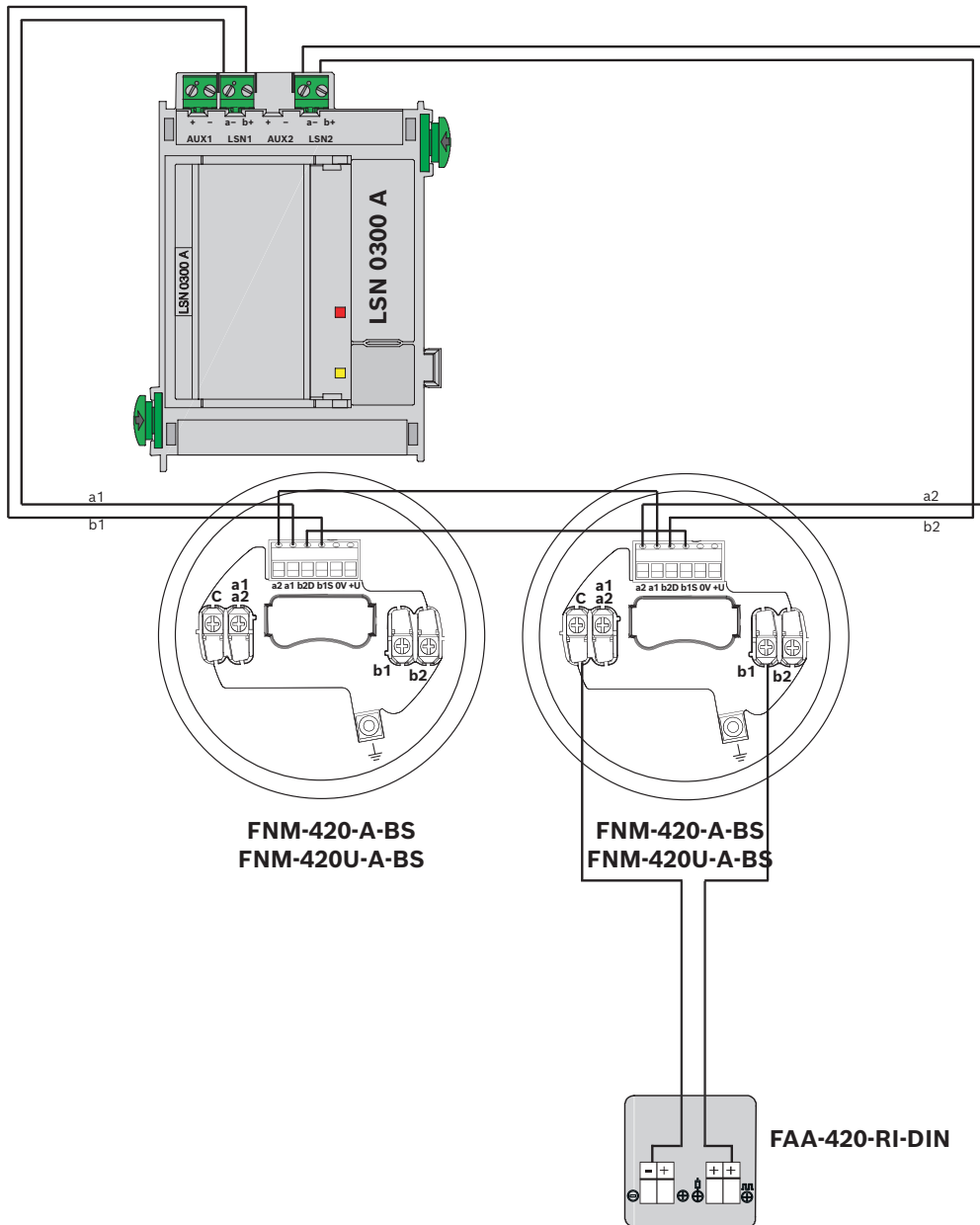
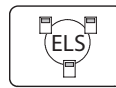


FNM-420-A/-B
FNM-420U-A/-B
FNM-420V-A

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



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



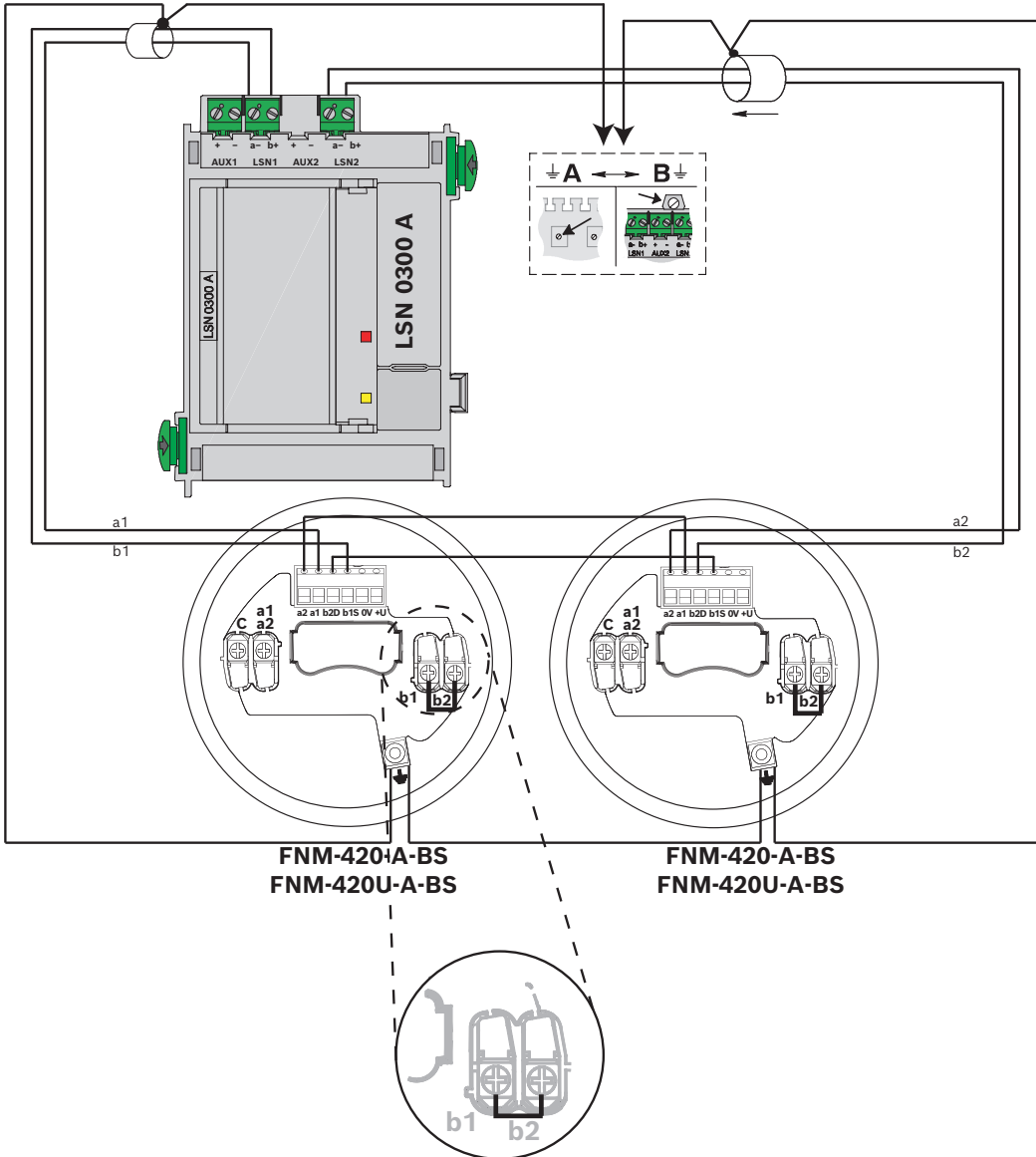
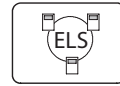
FNM-420-A-BS
FNM-420U-A-BS

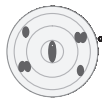
FNM-420-A-BS
FNM-420U-A-BS

FAA-420-RI-DIN

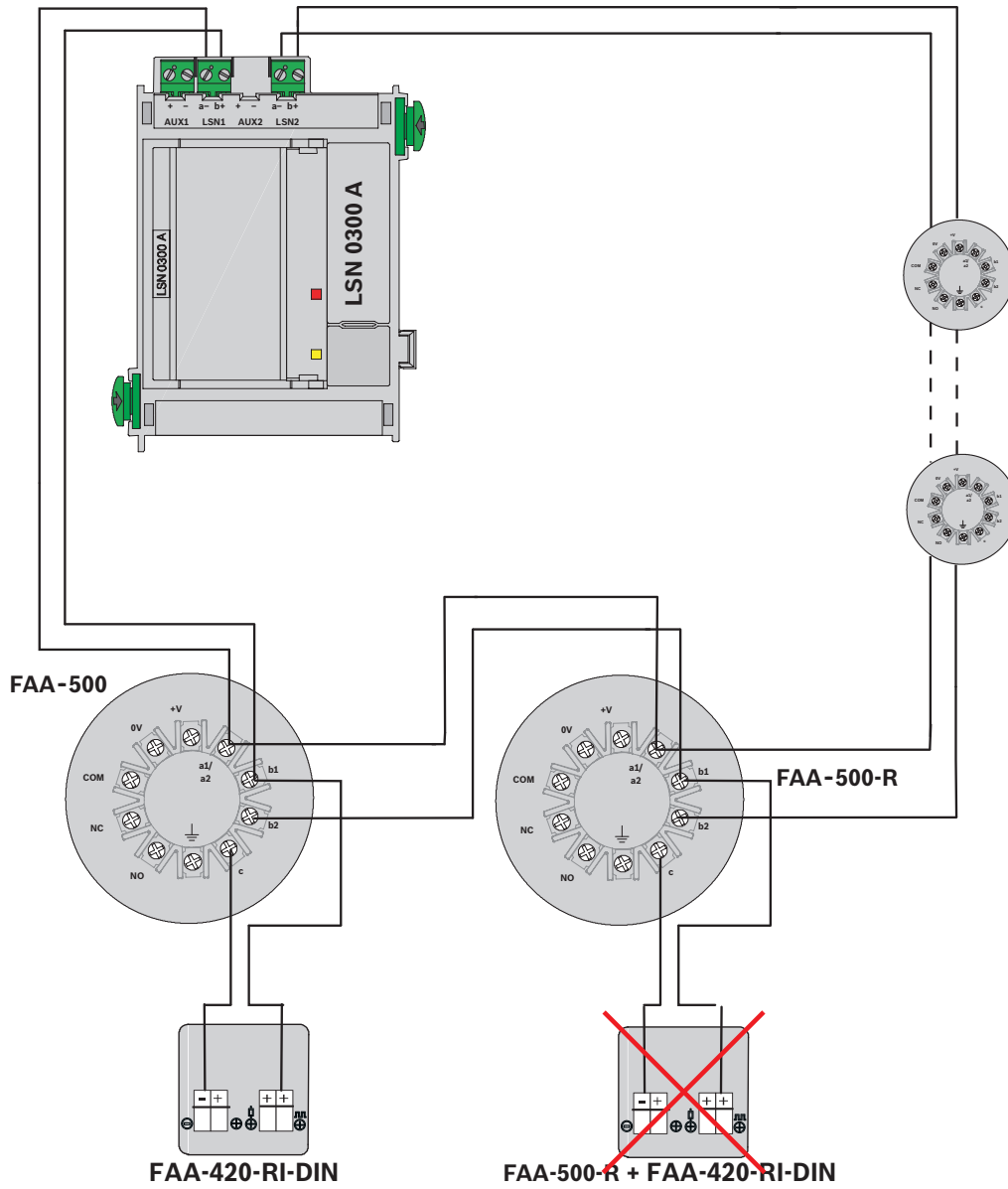
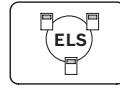


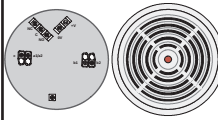
FNM-420-A-BS
FNM-420U-A-BS



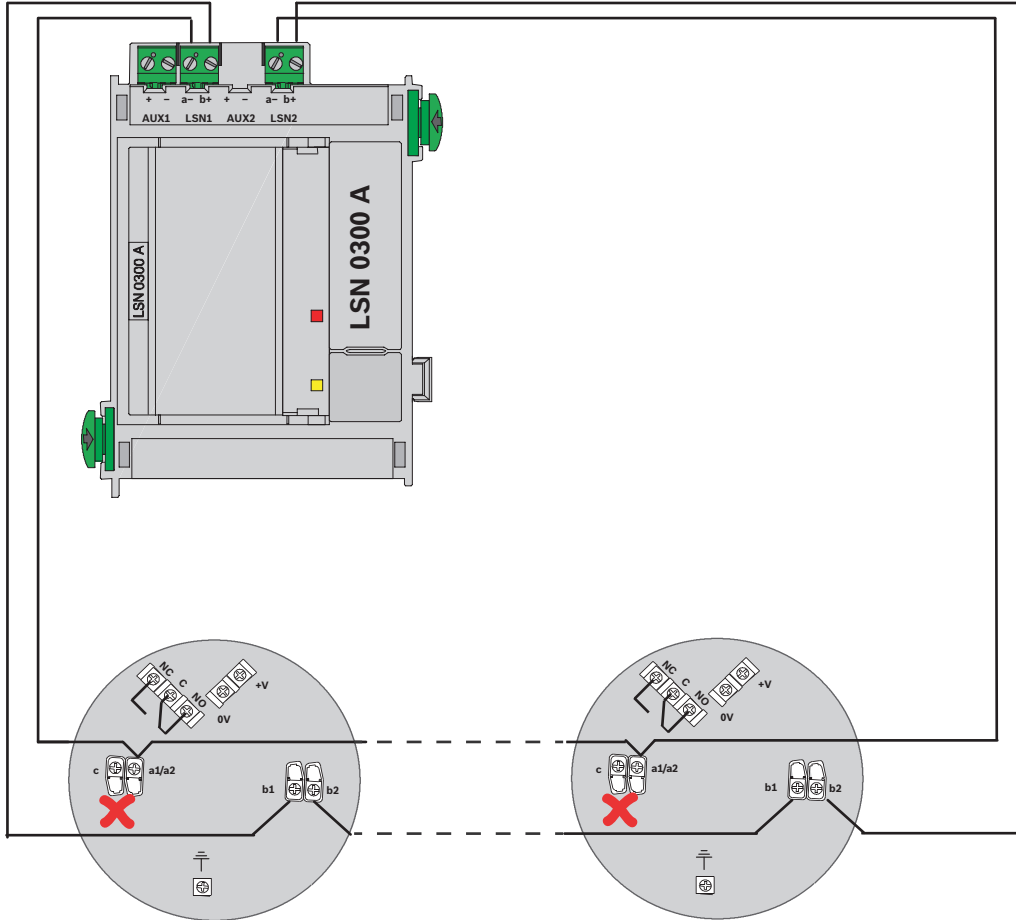
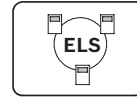


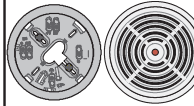
FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P



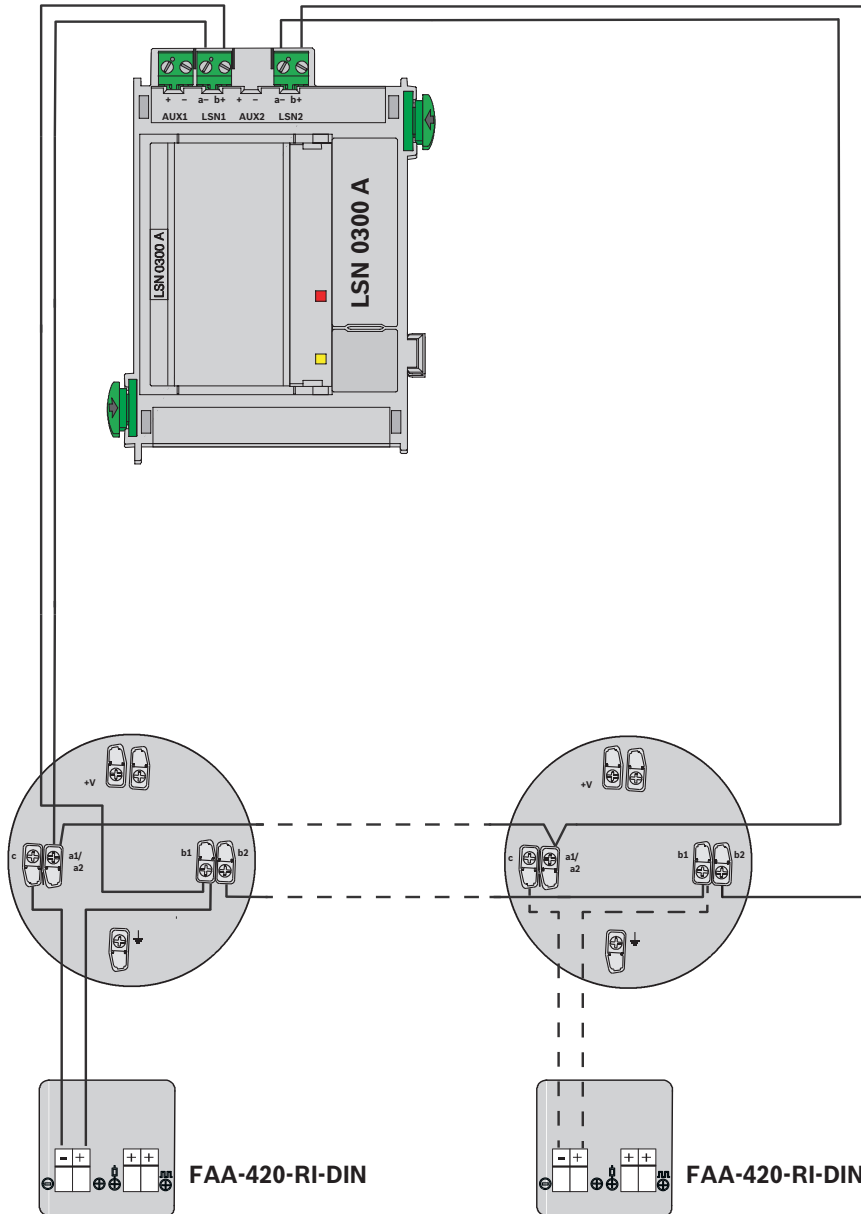
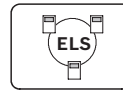


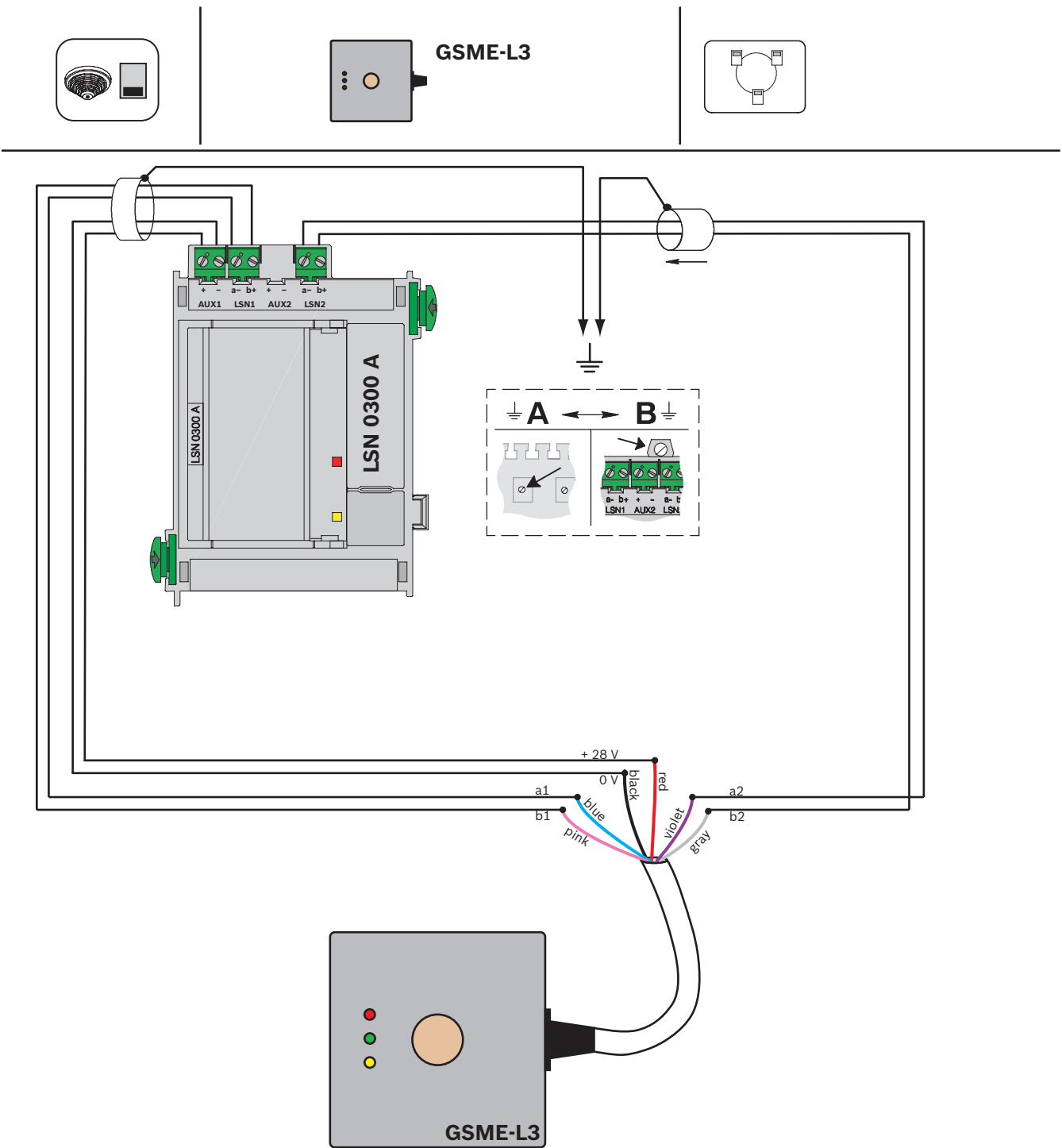
FAA-MSR-420
FAP-425-O, FAP-425-O-R
FAP-425-OT, FAP-425-OT-R
FAP-425-T-R
FAP-425-DO-R, FAP-425-DOT-R
FAP-425-DOTC-R, FAP-425-DOTCO-R

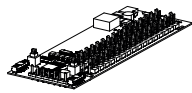




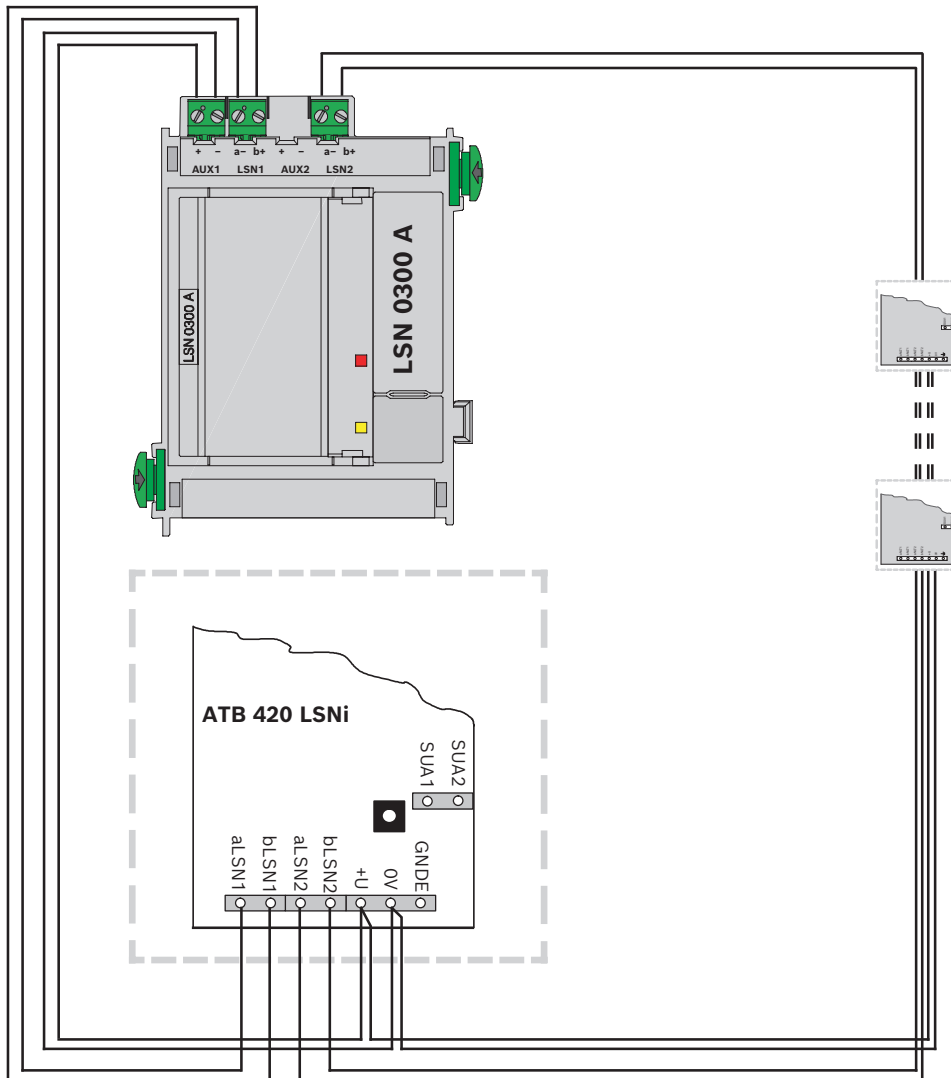
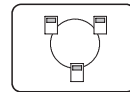
MS 400, MS 400 B
 FAP-425-O, FAP-425-O-R
 FAP-425-OT, FAP-425-OT-R
 FAP-425-T-R
 FAP-425-DO-R, FAP-425-DOT-R
 FAP-425-DOTC-R, FAP-425-DOTCO-R





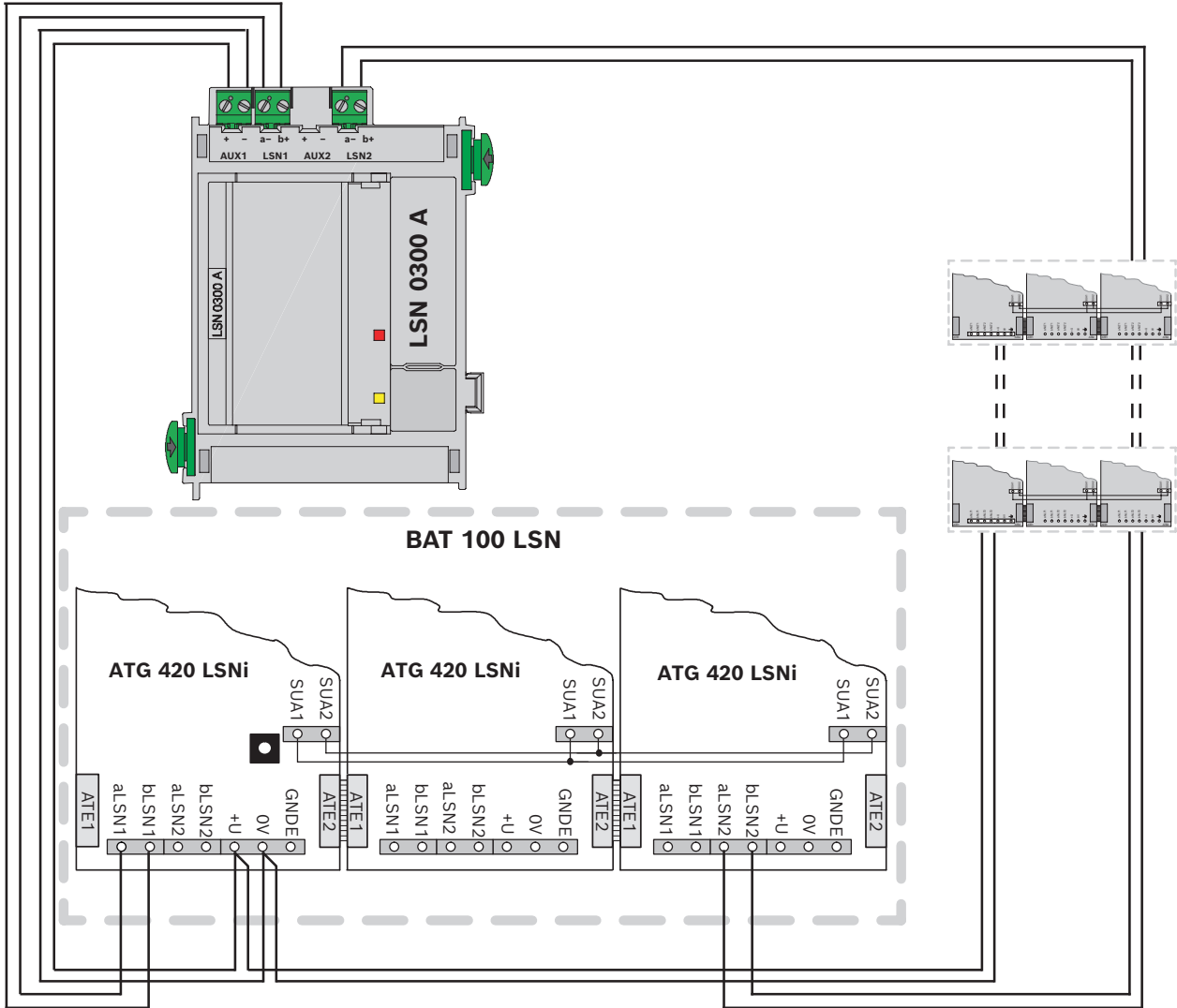
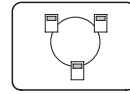


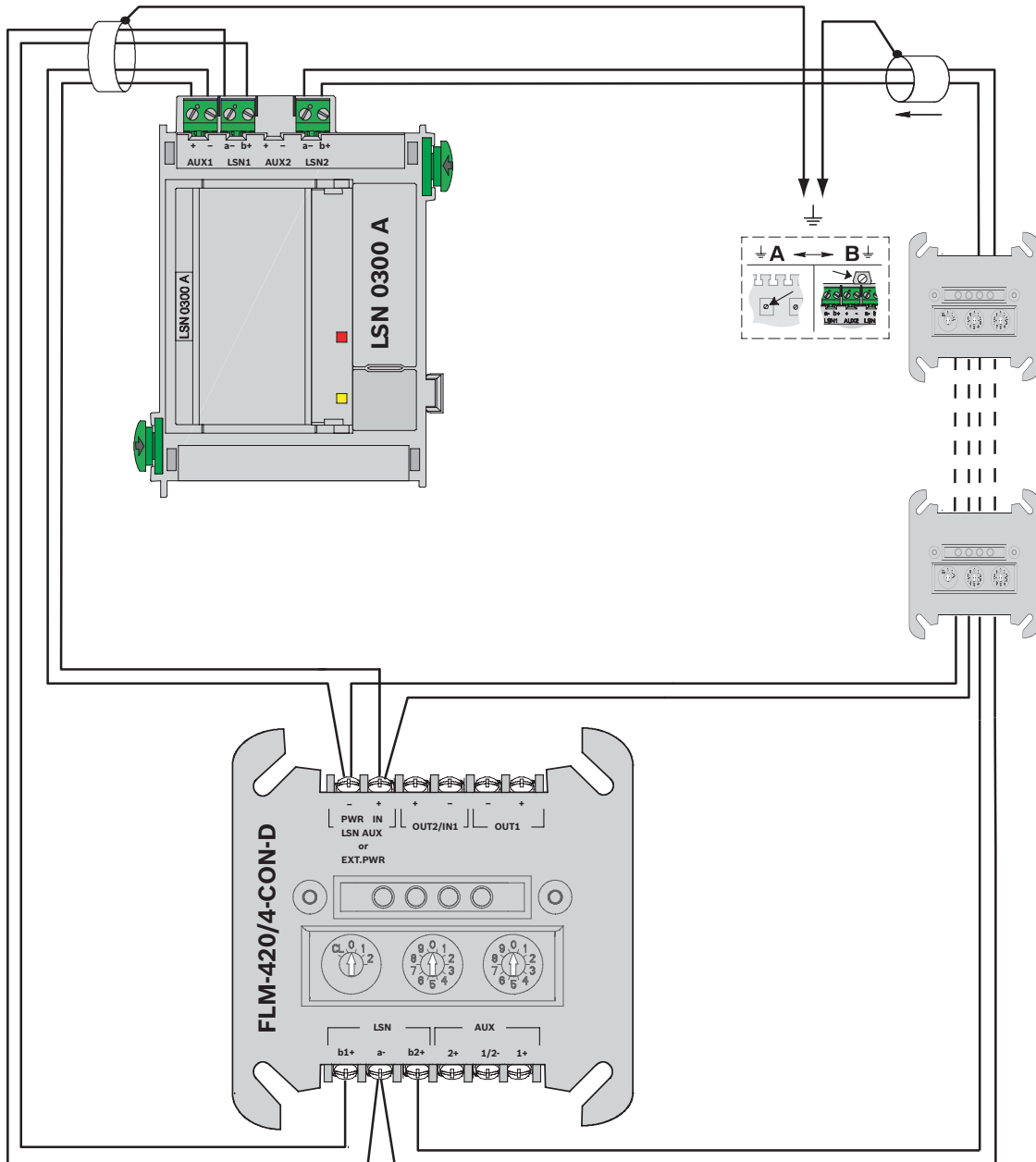
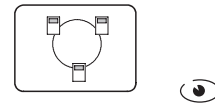
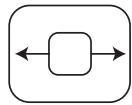
ATB 420 LSNi





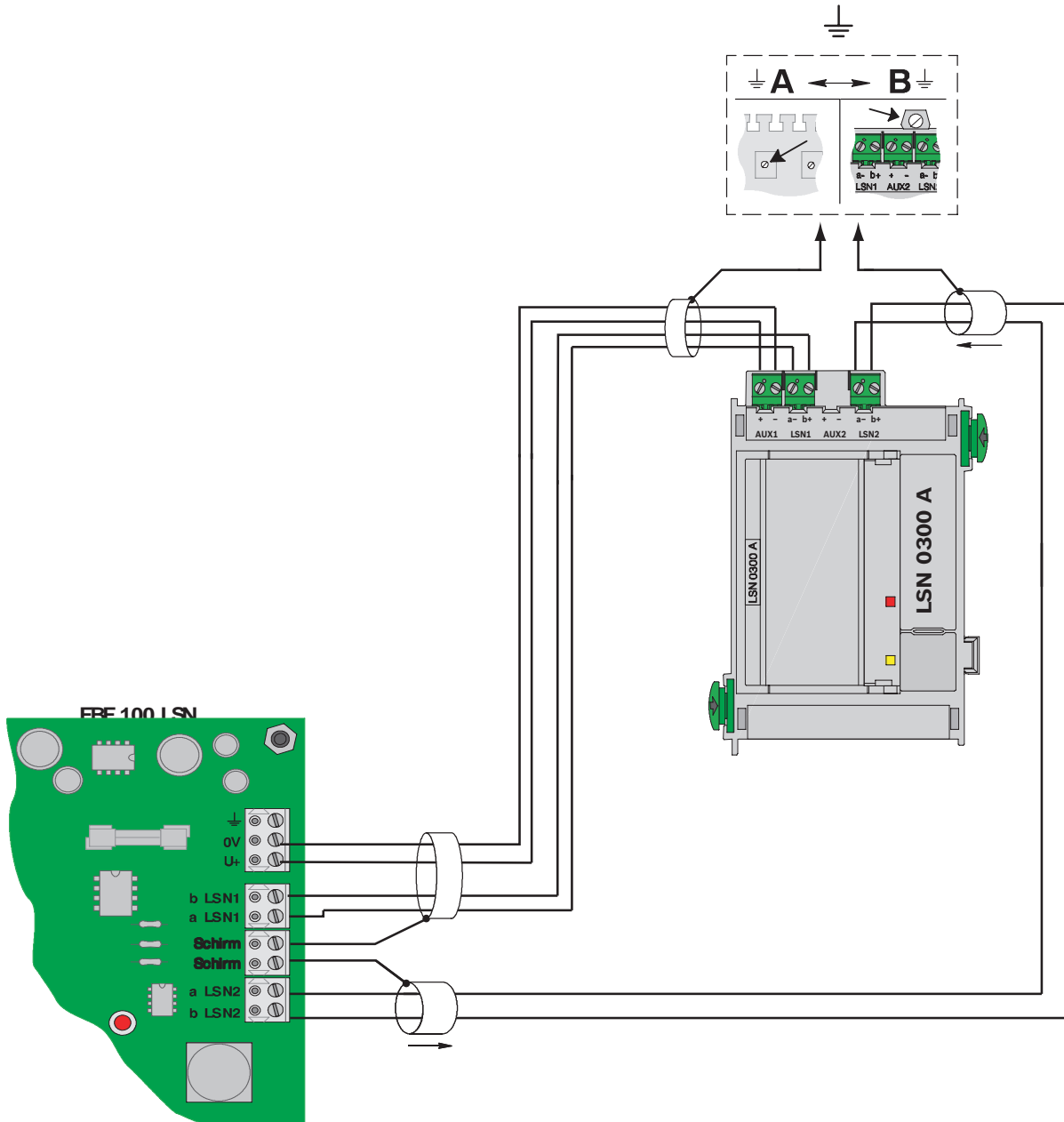
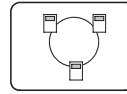
BAT 100 LSN
ATG 420 LSNi

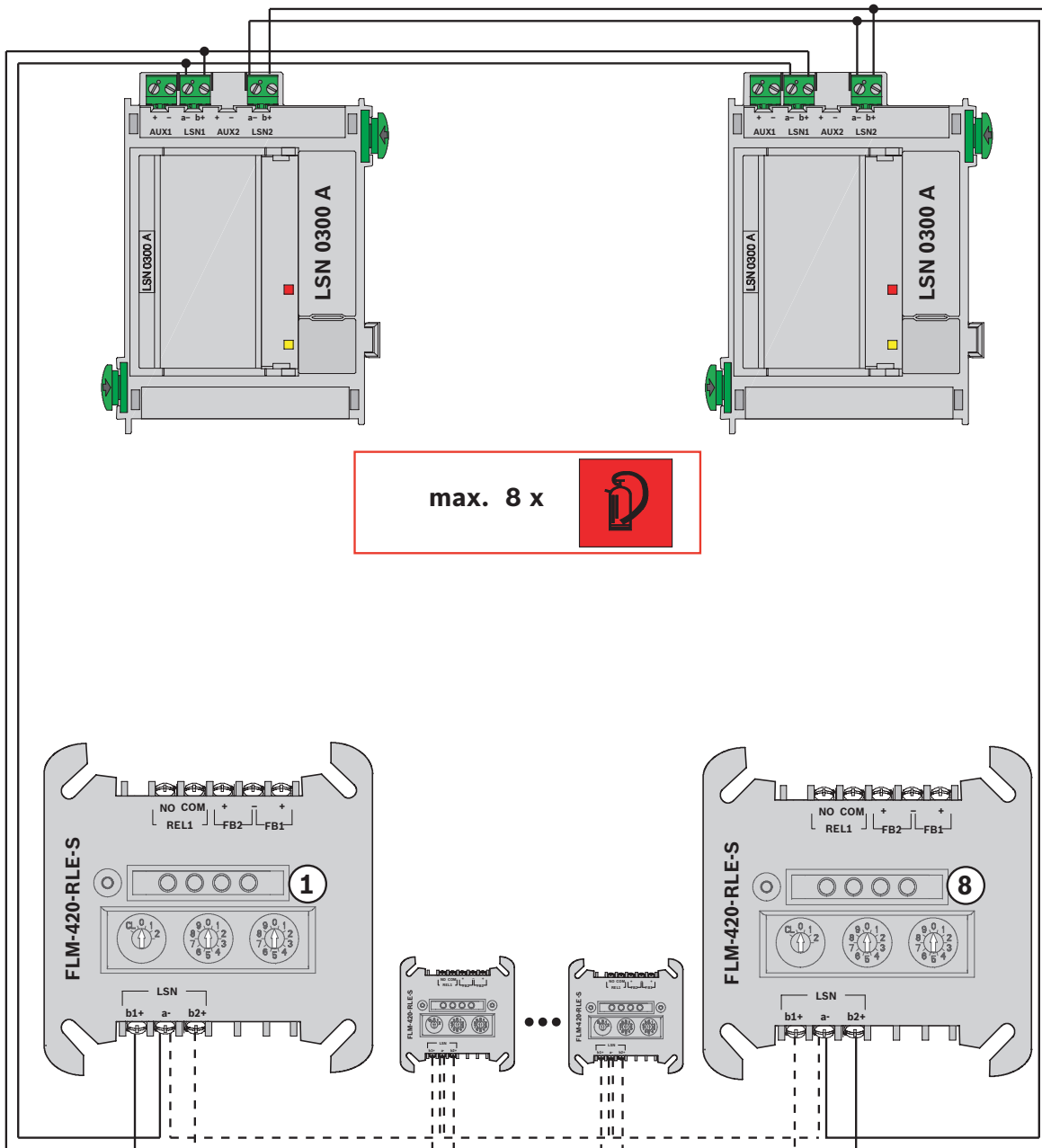
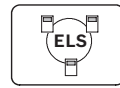
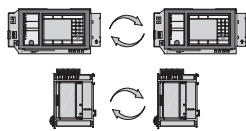






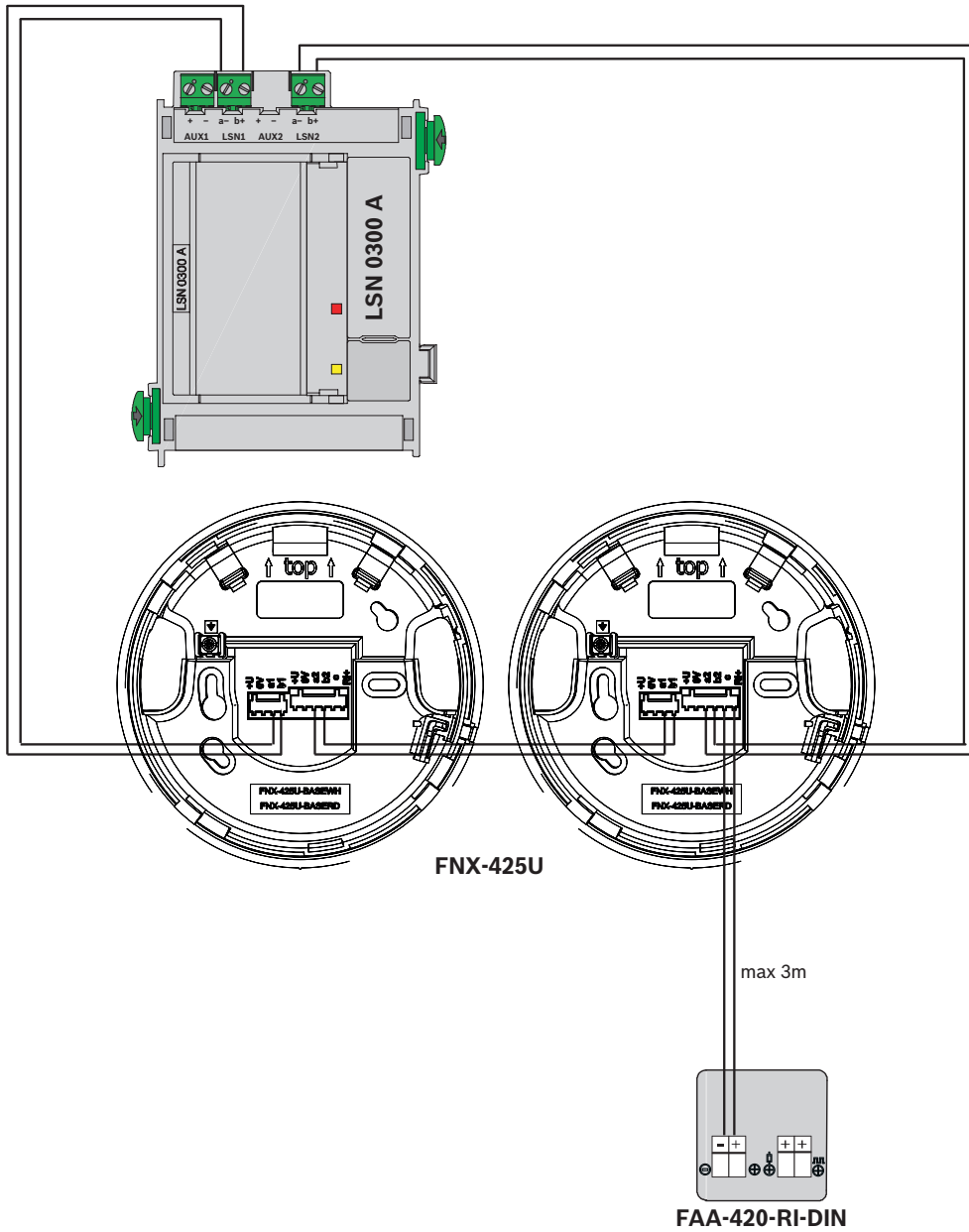
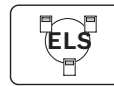
FBF 100 LSN







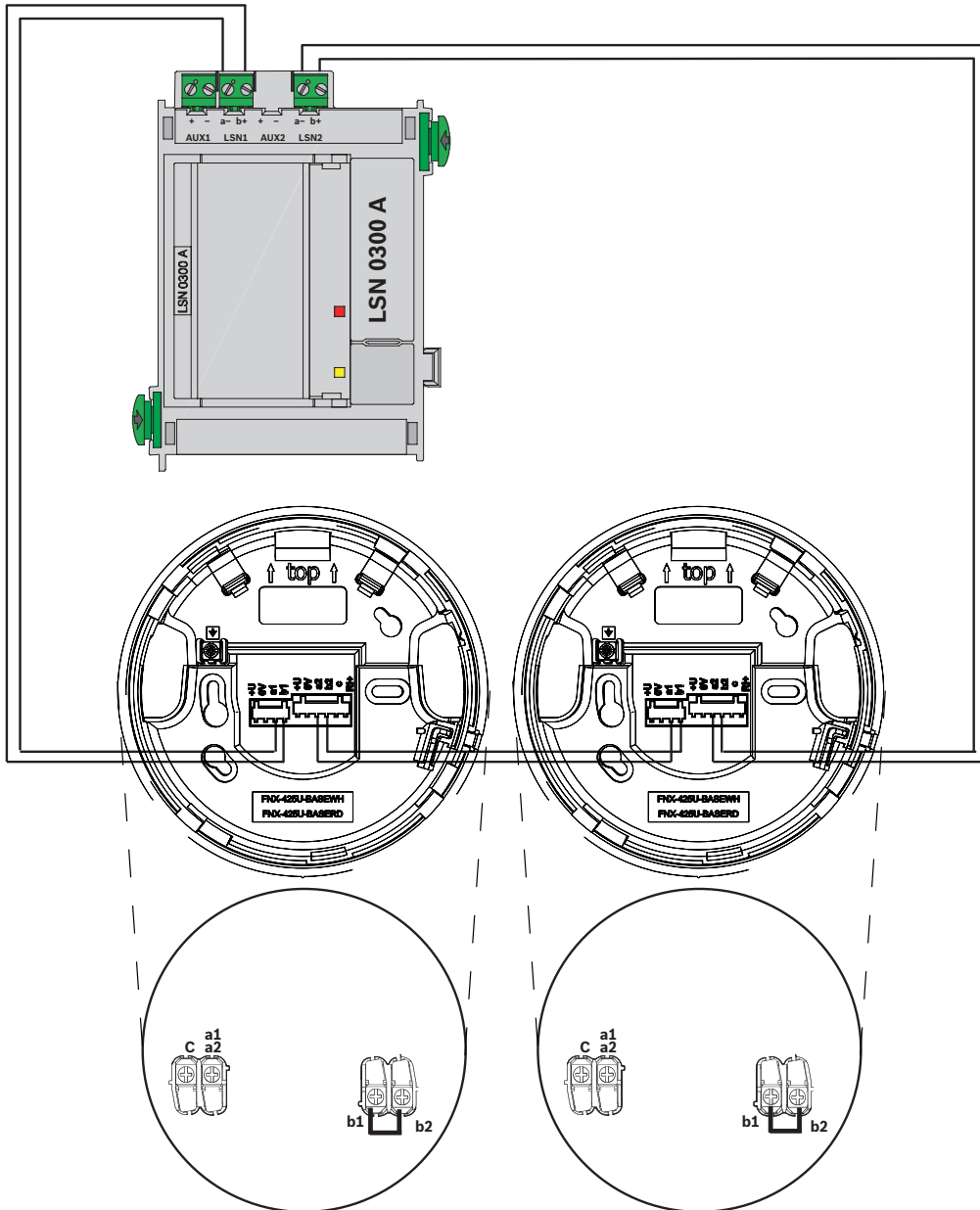
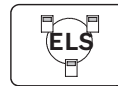
FNX-425U-WFWH
FNX-425U-RFWH
FNX-425U-WFRD
FNX-425U-RFRD

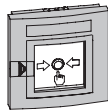
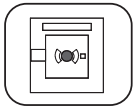




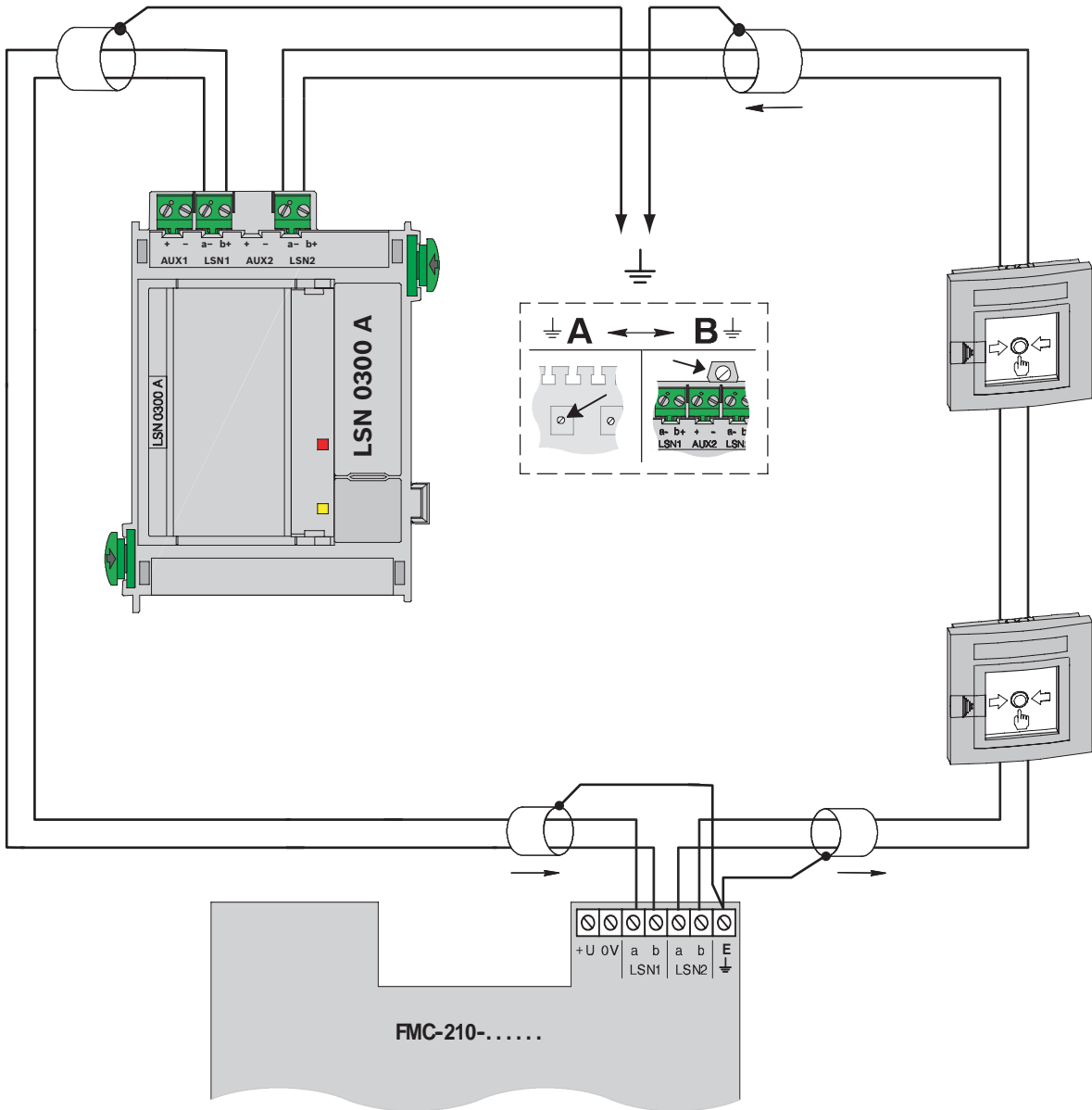
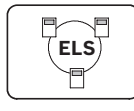
FNX-425U-WFWH
 FNX-425U-RFWH
 FNX-425U-WFRD
 FNX-425U-RFRD

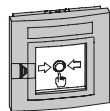
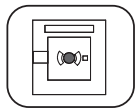
+ FNX-425U-COVWH
+ FNX-425U-COVRD



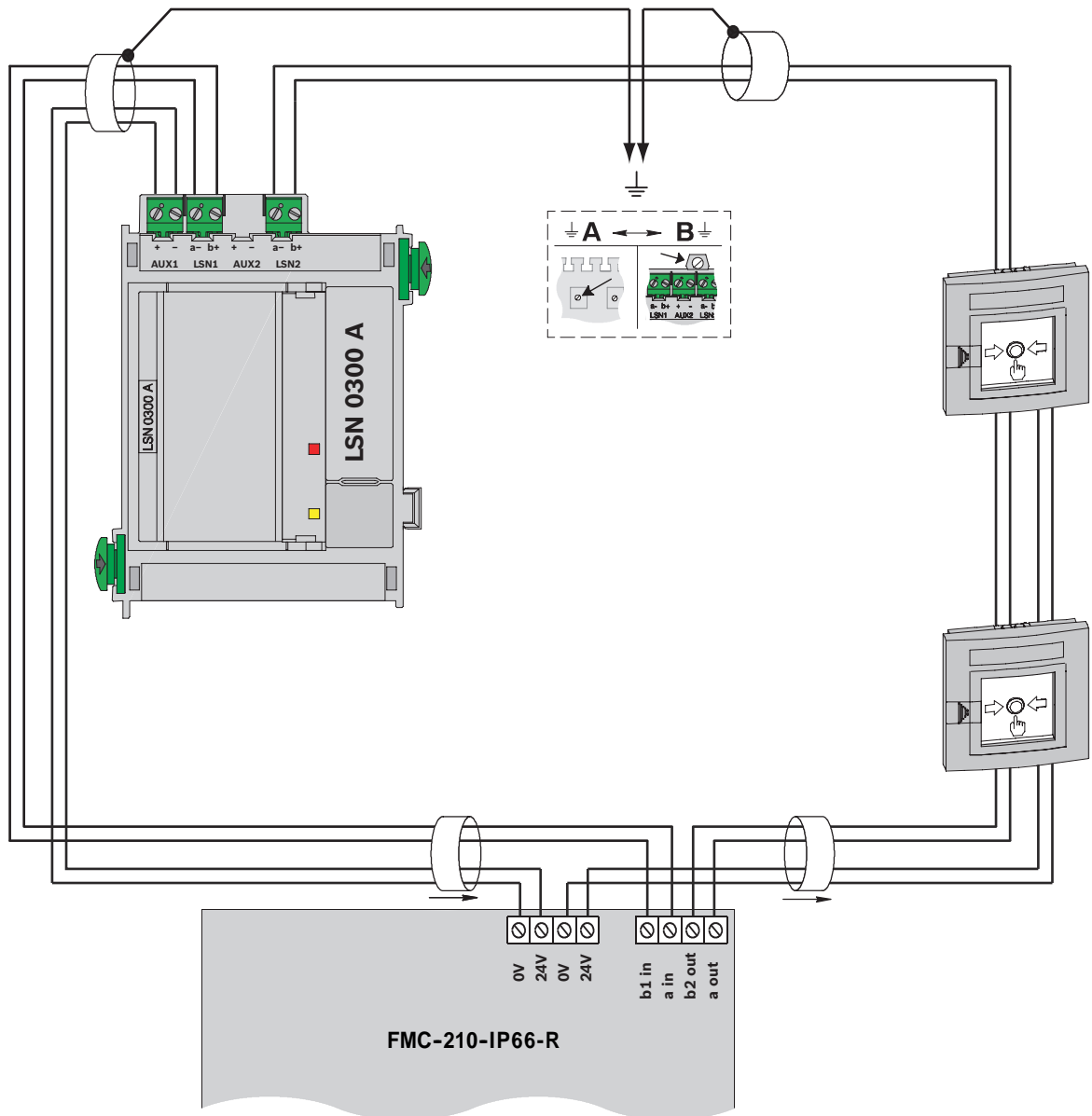
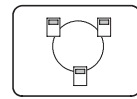


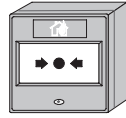
FMC-210...



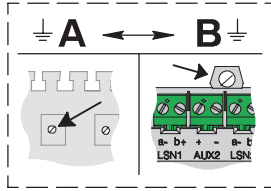
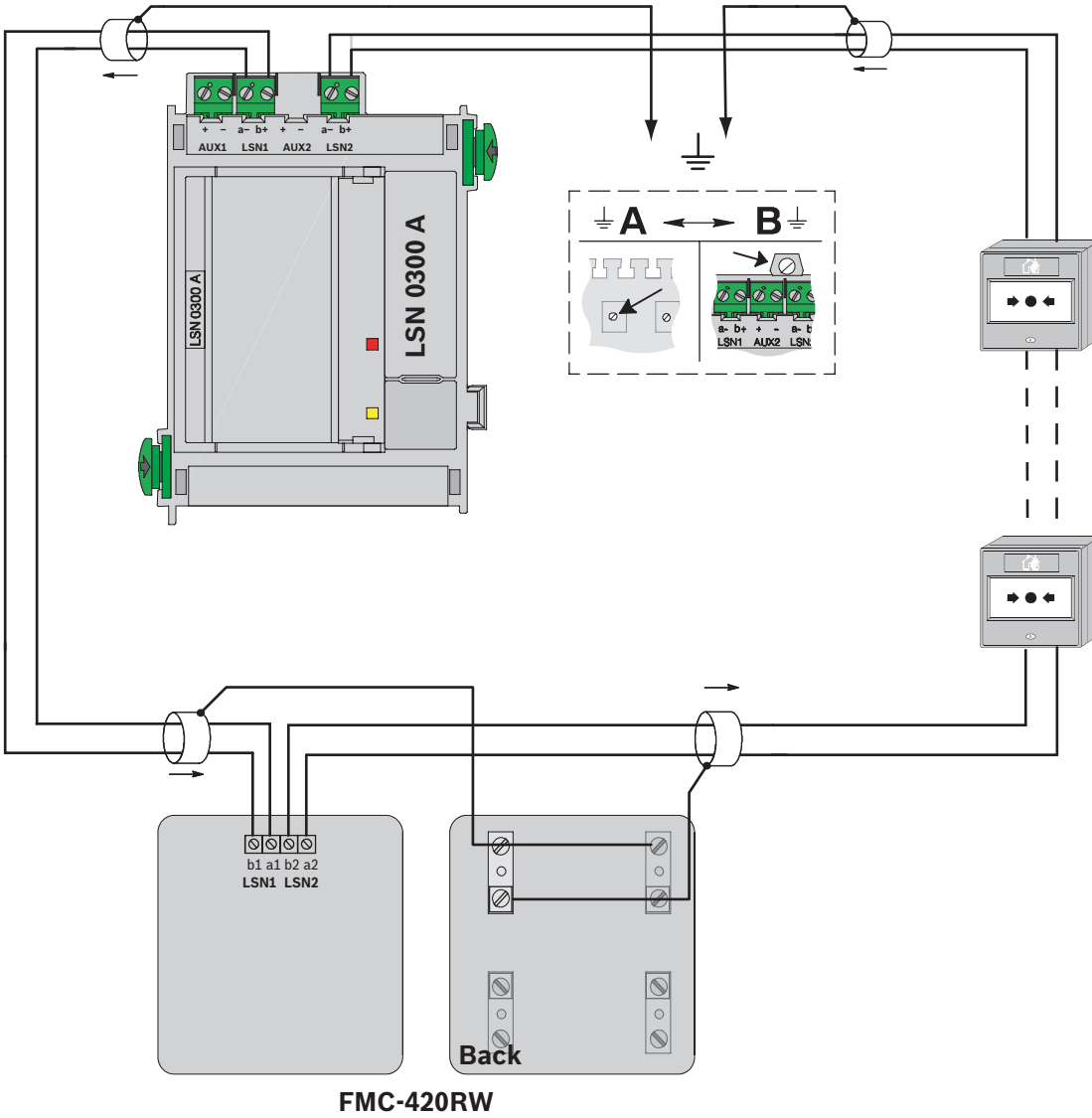
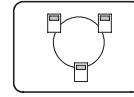


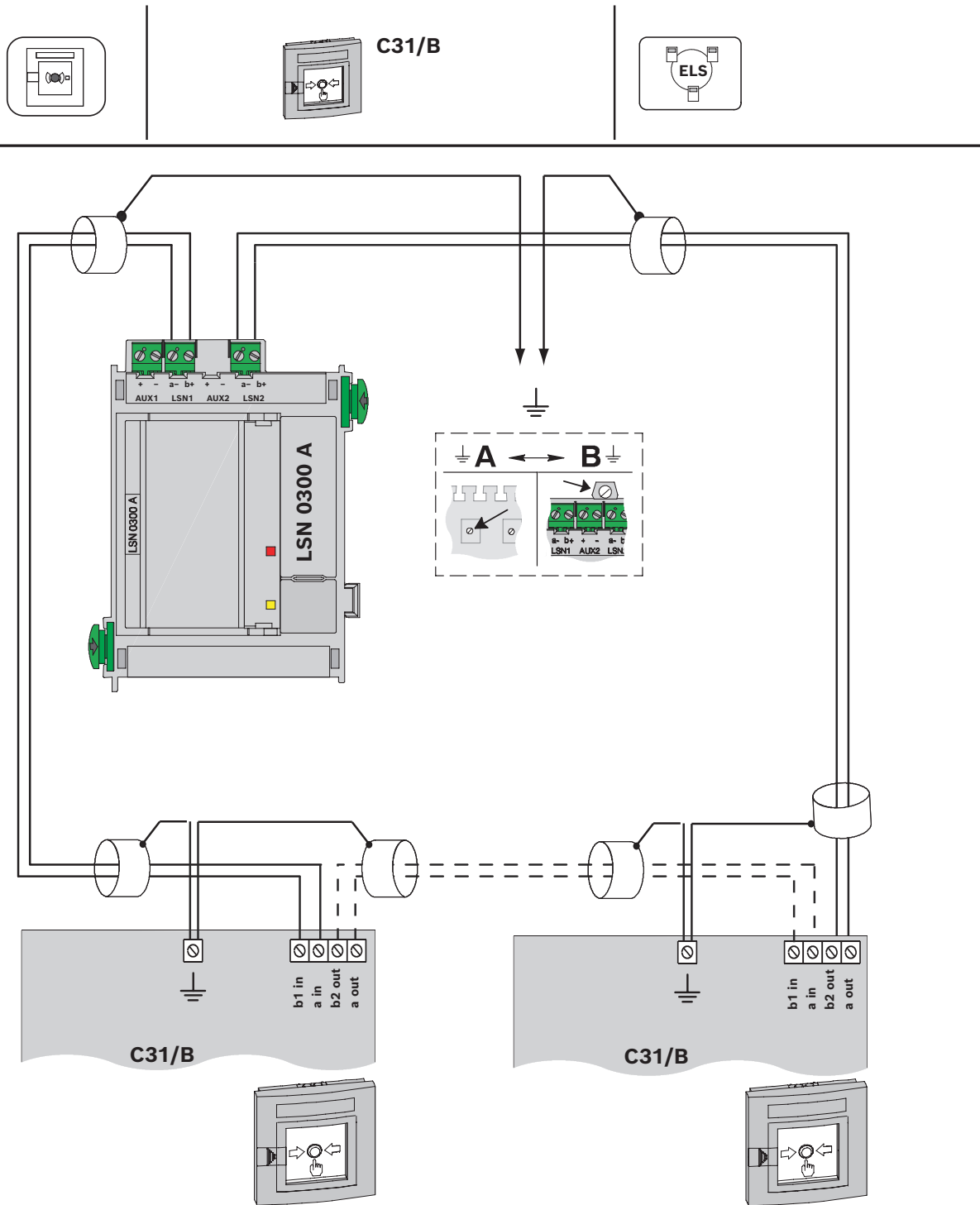
FMC-210-IP66-R

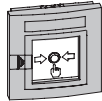
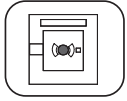




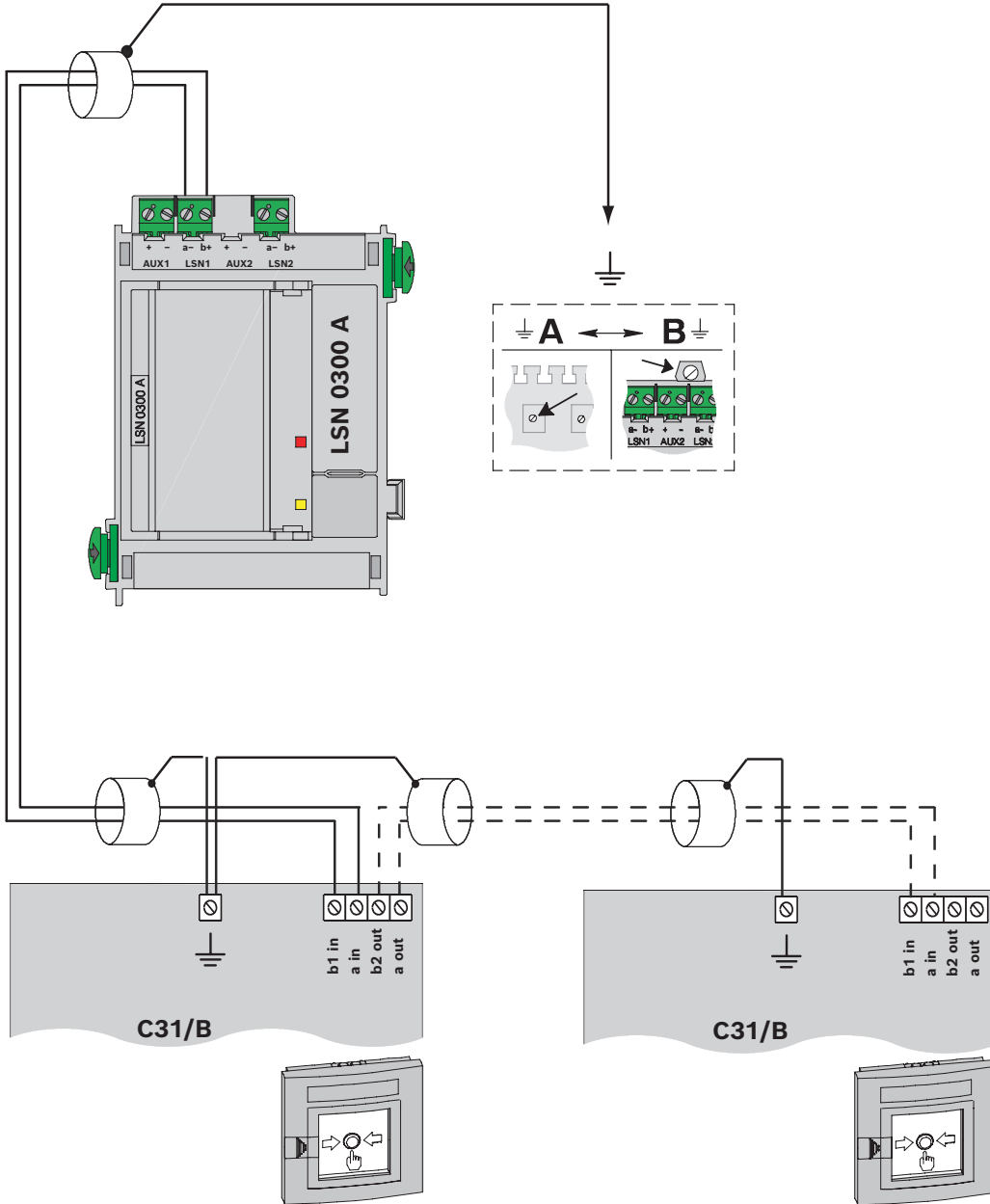
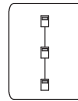
FMC-420RW-HSGRD
FMC-420RW-HSRRD
FMC-420RW-GFGRD
FMC-420RW-GFRRD
FMC-420RW-GSGRD
FMC-420RW-GSRRD

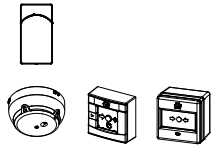






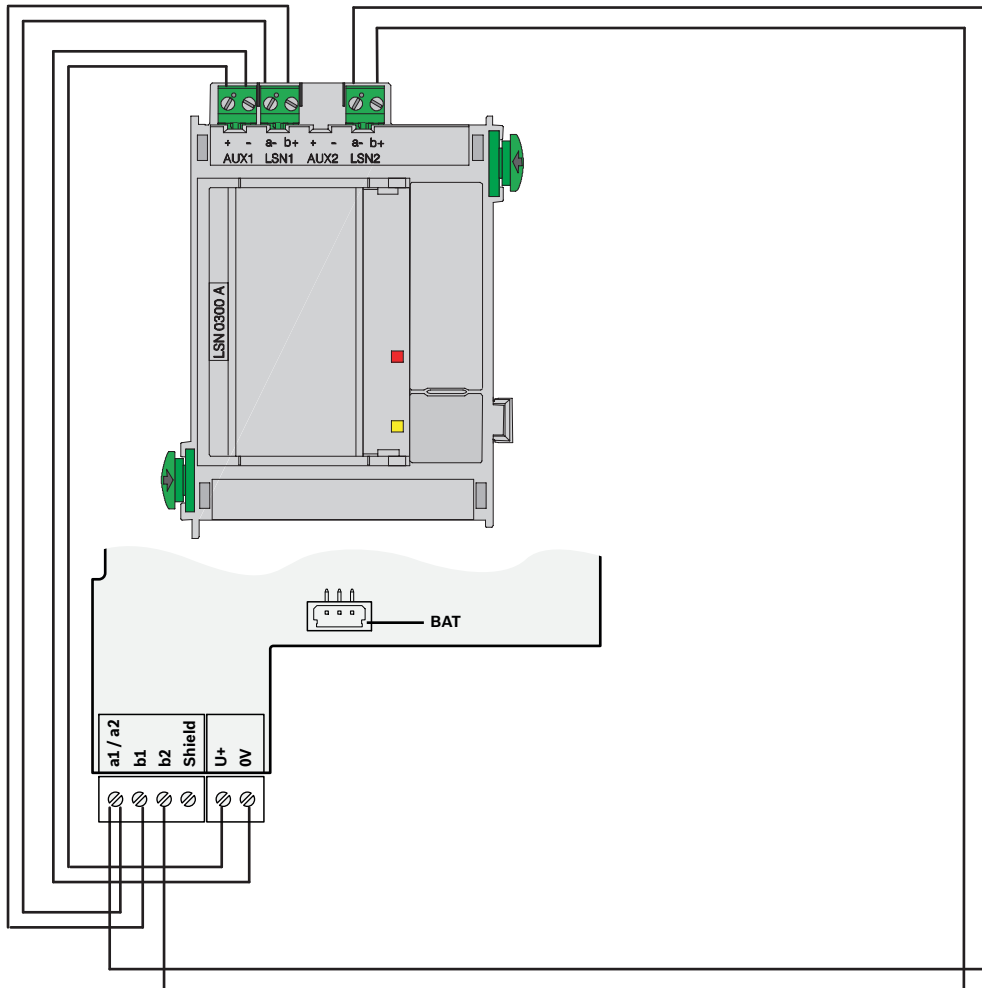
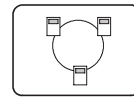
C31/B





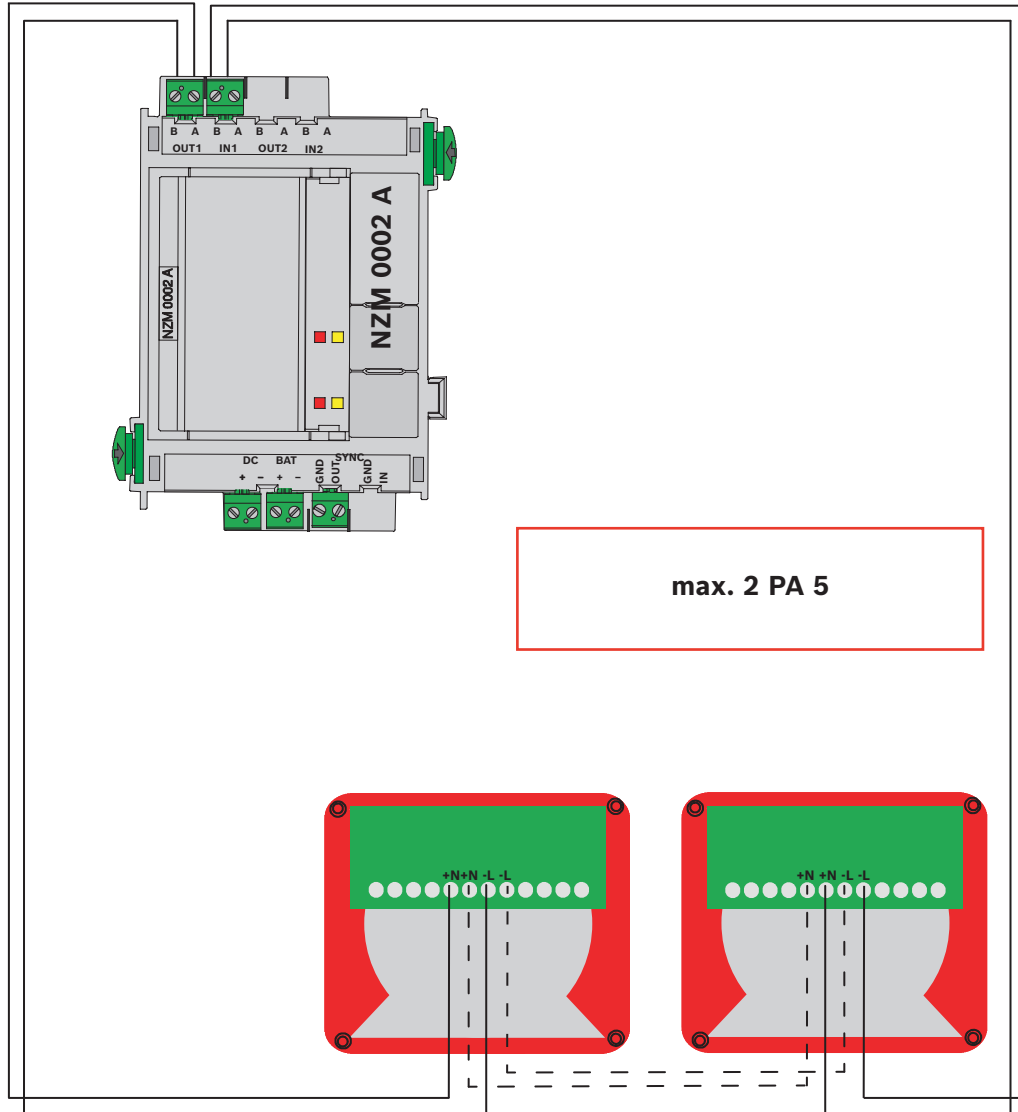
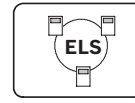
FWI-270

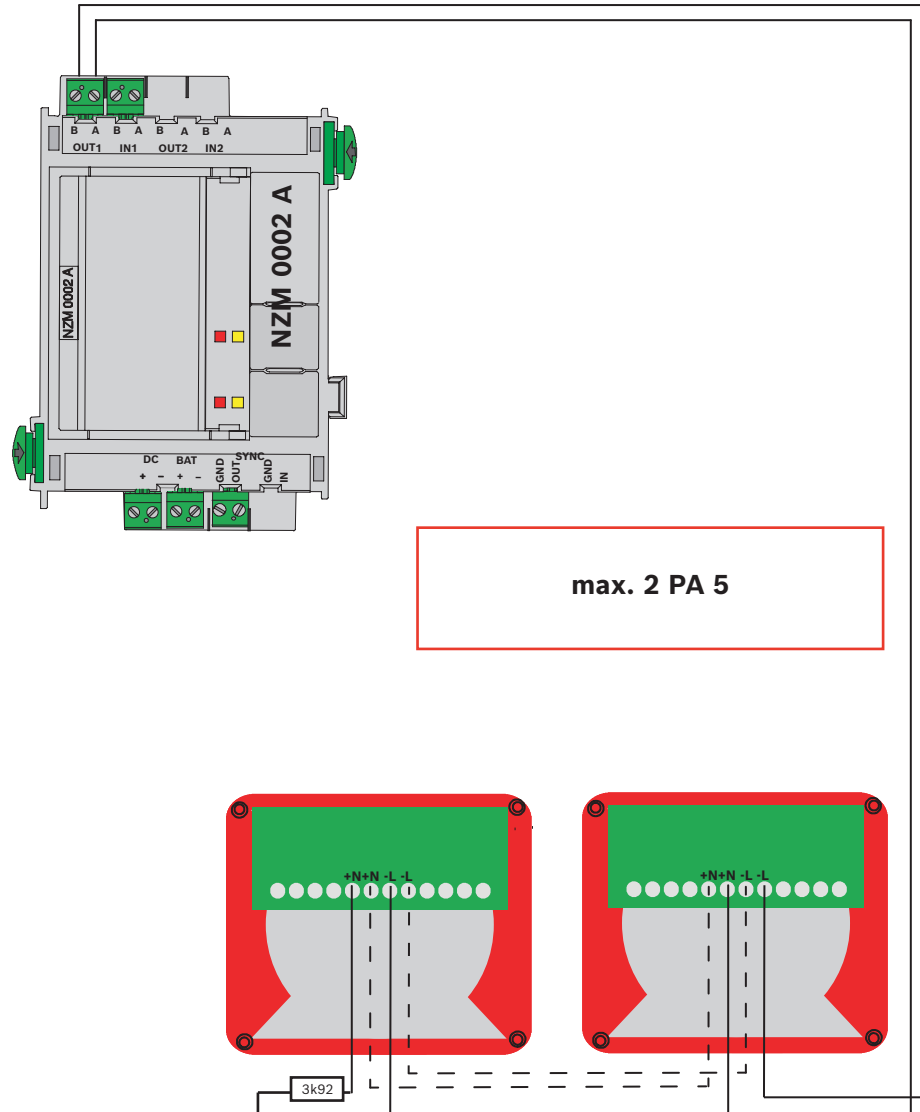
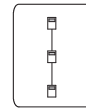
FDOOT271-O
FDM275-O
FDM273-O

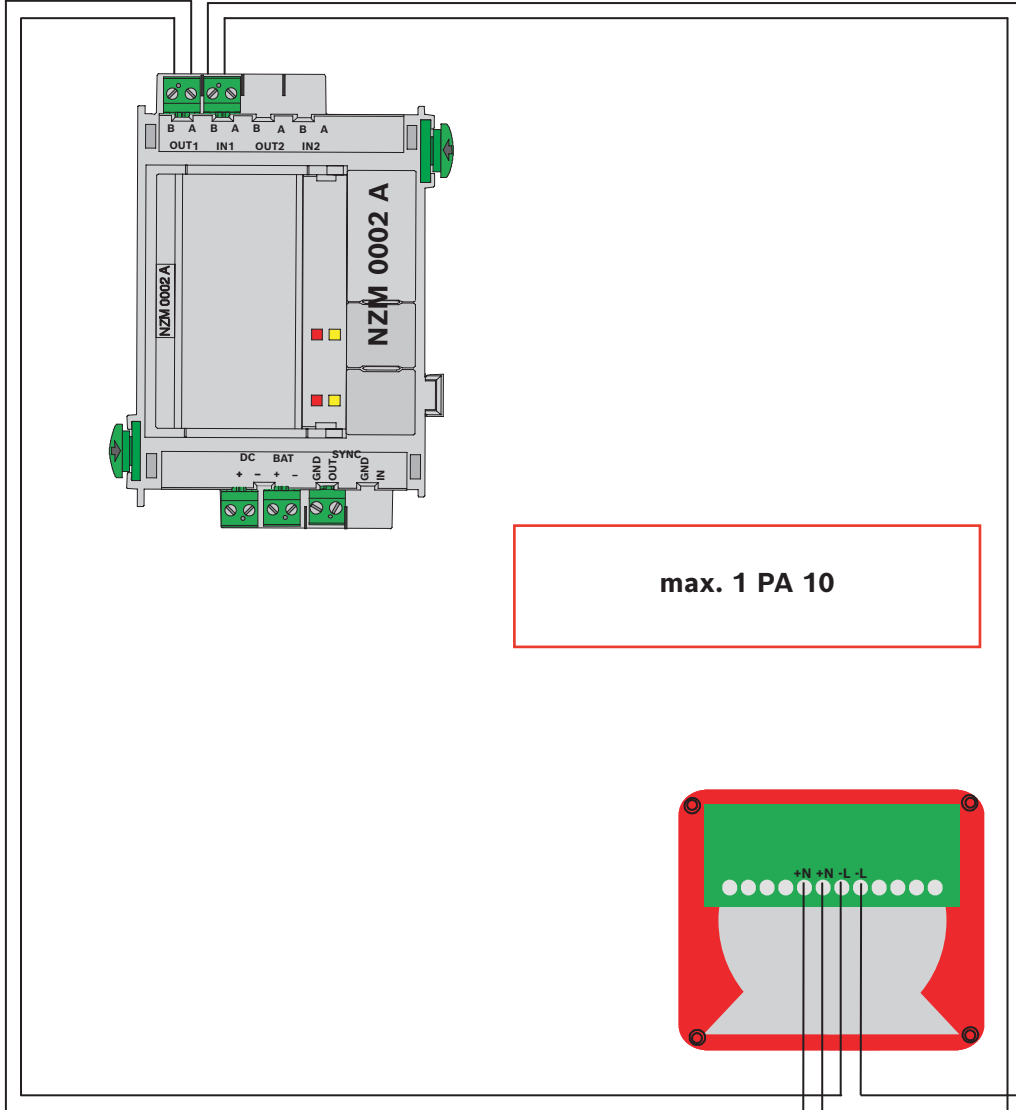
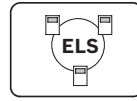


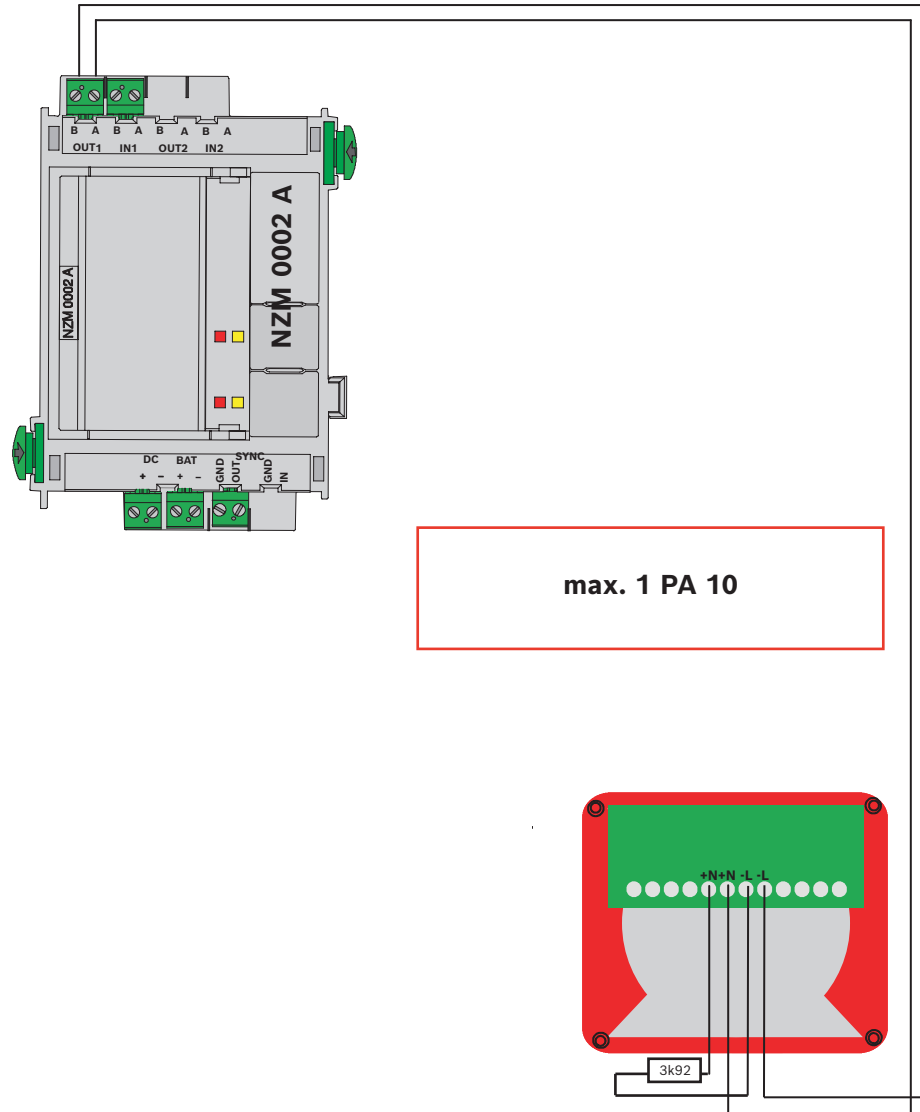
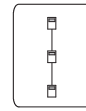
2.4.5

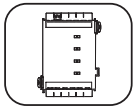
NZM 0002 A



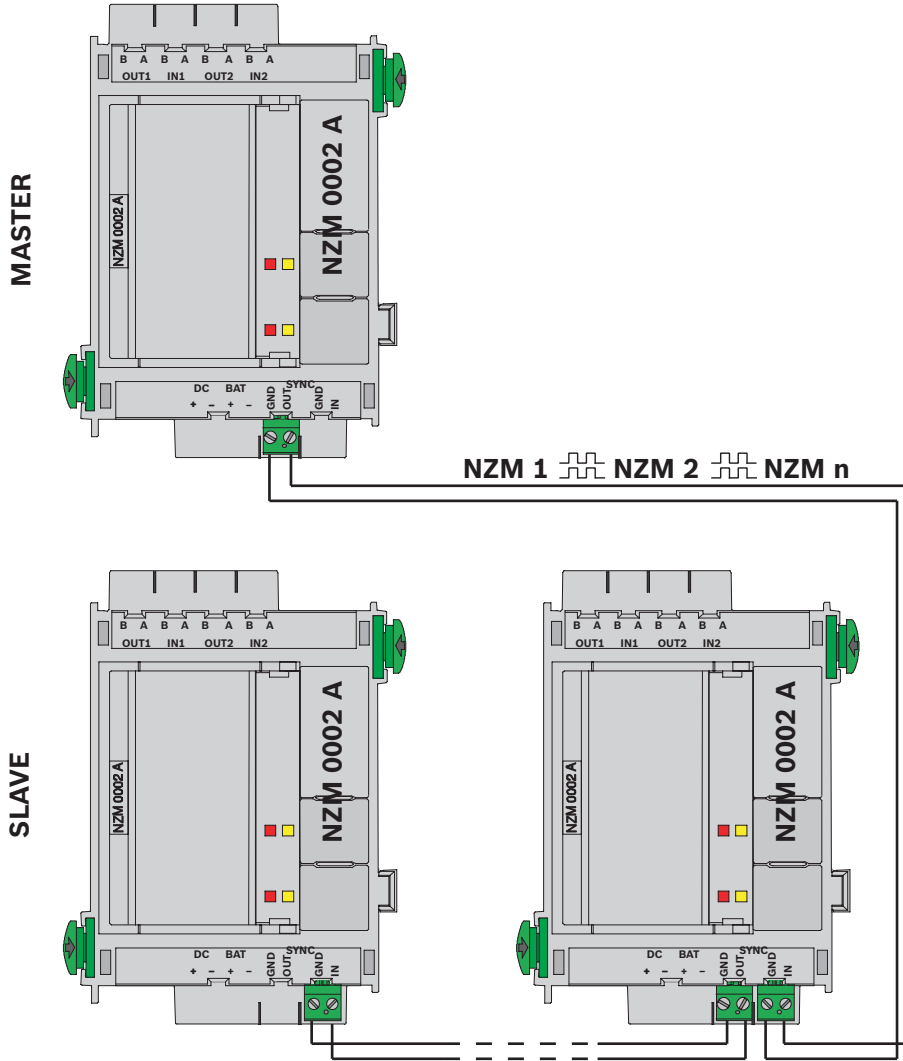


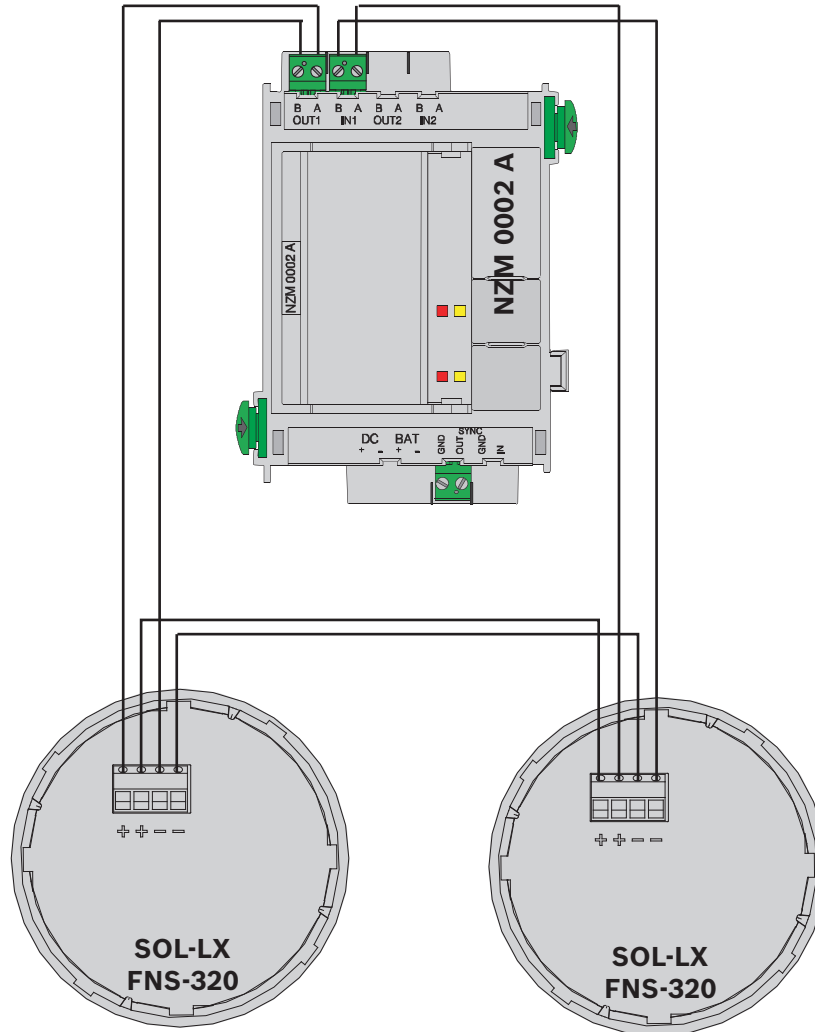
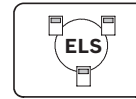


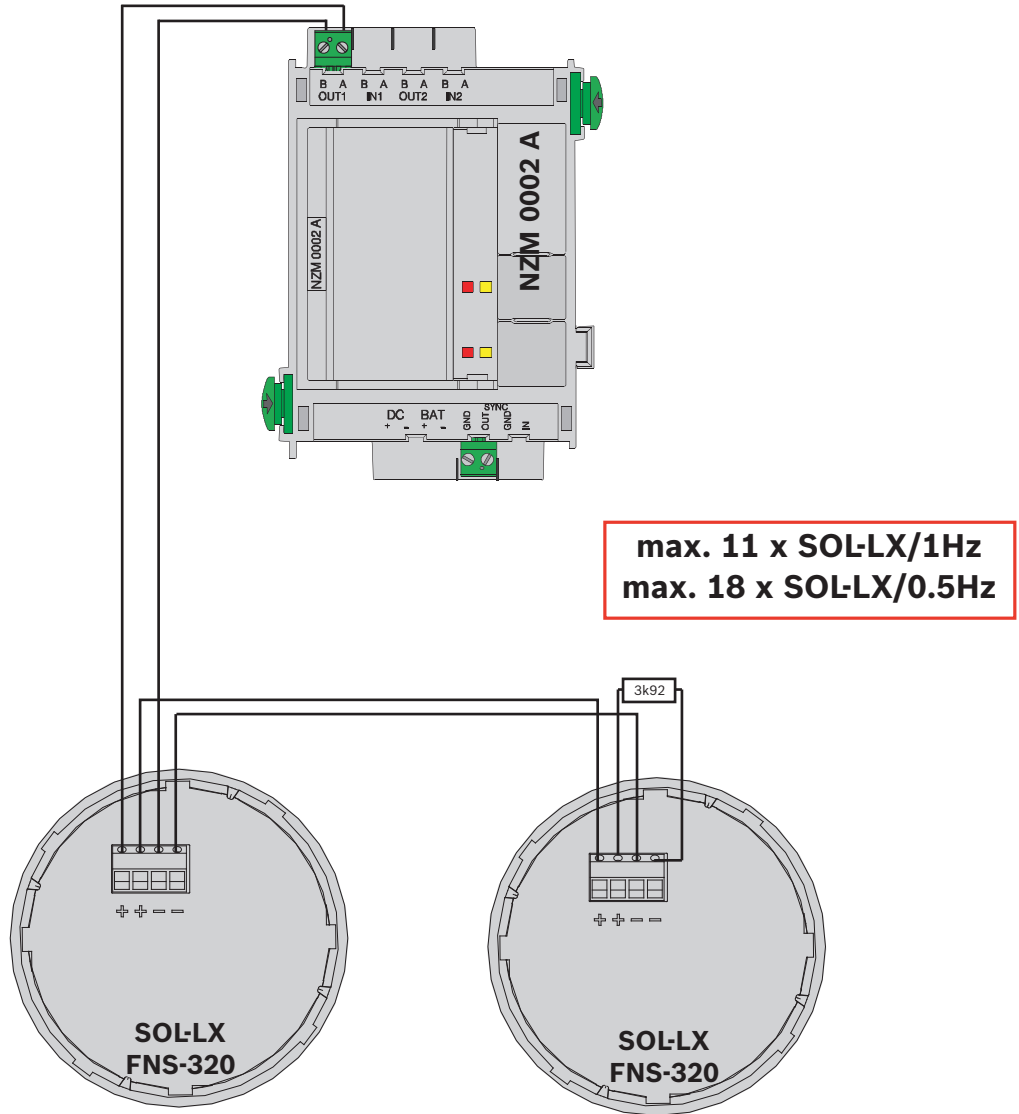
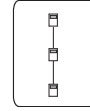


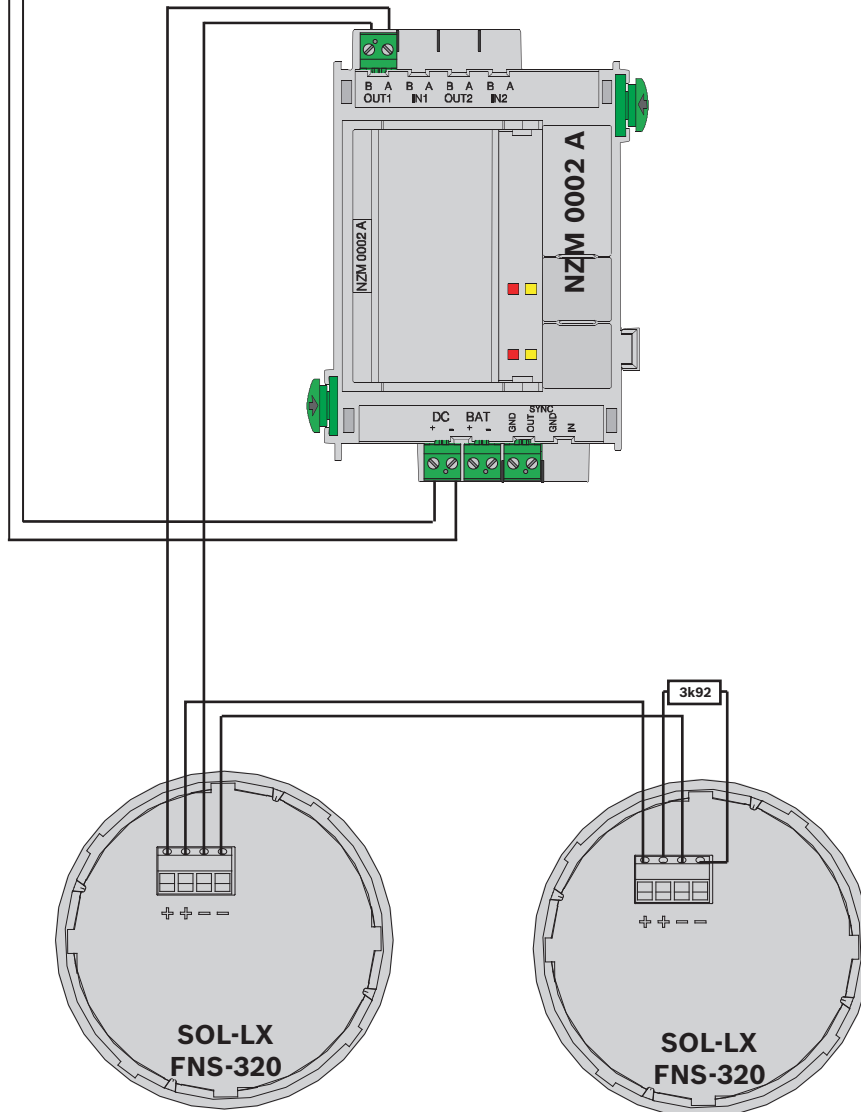
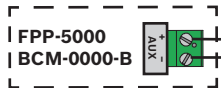
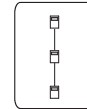


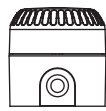
NZM 0002 A



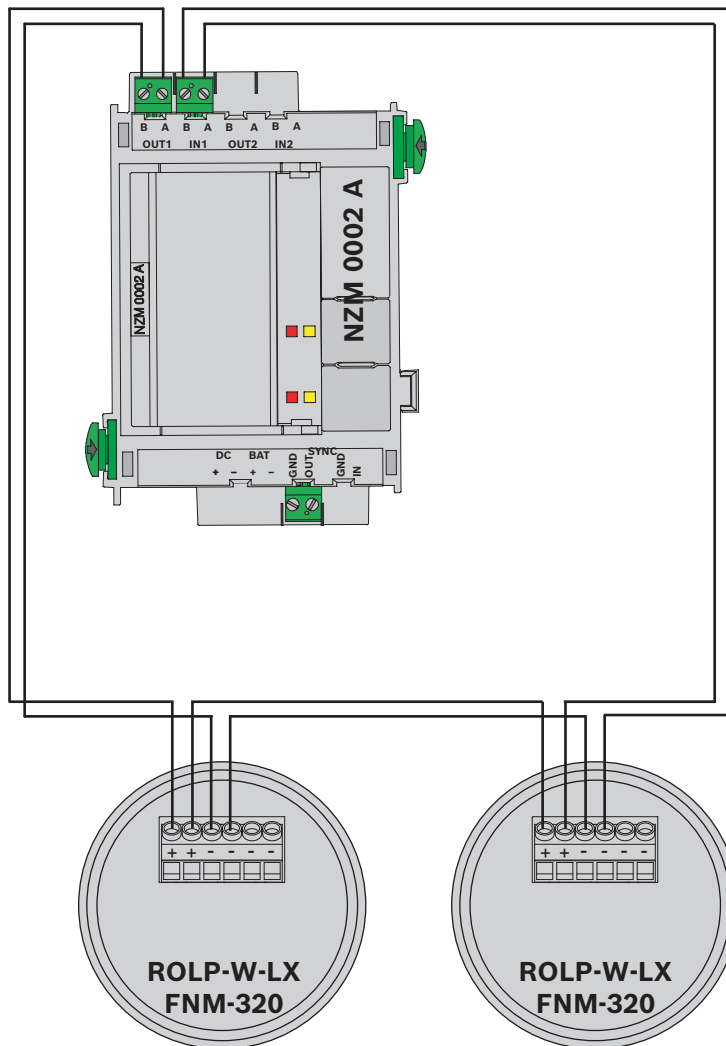
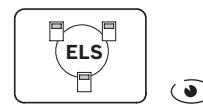


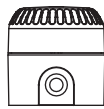




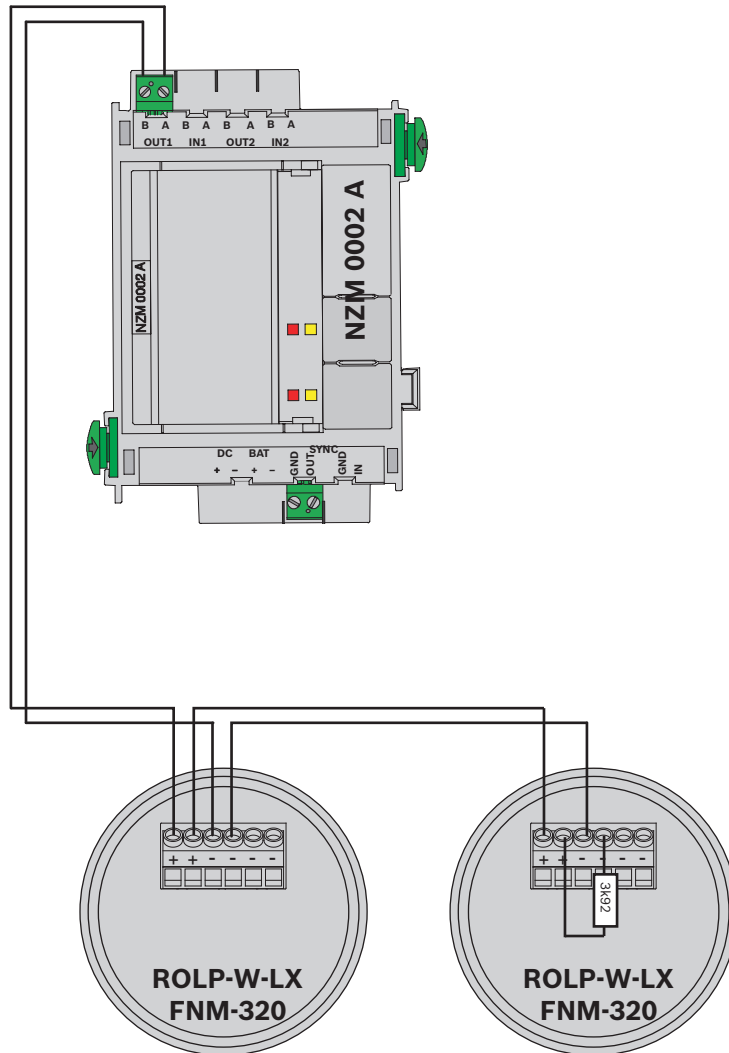
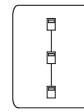


**ROLP-W-LX
FNM-320**



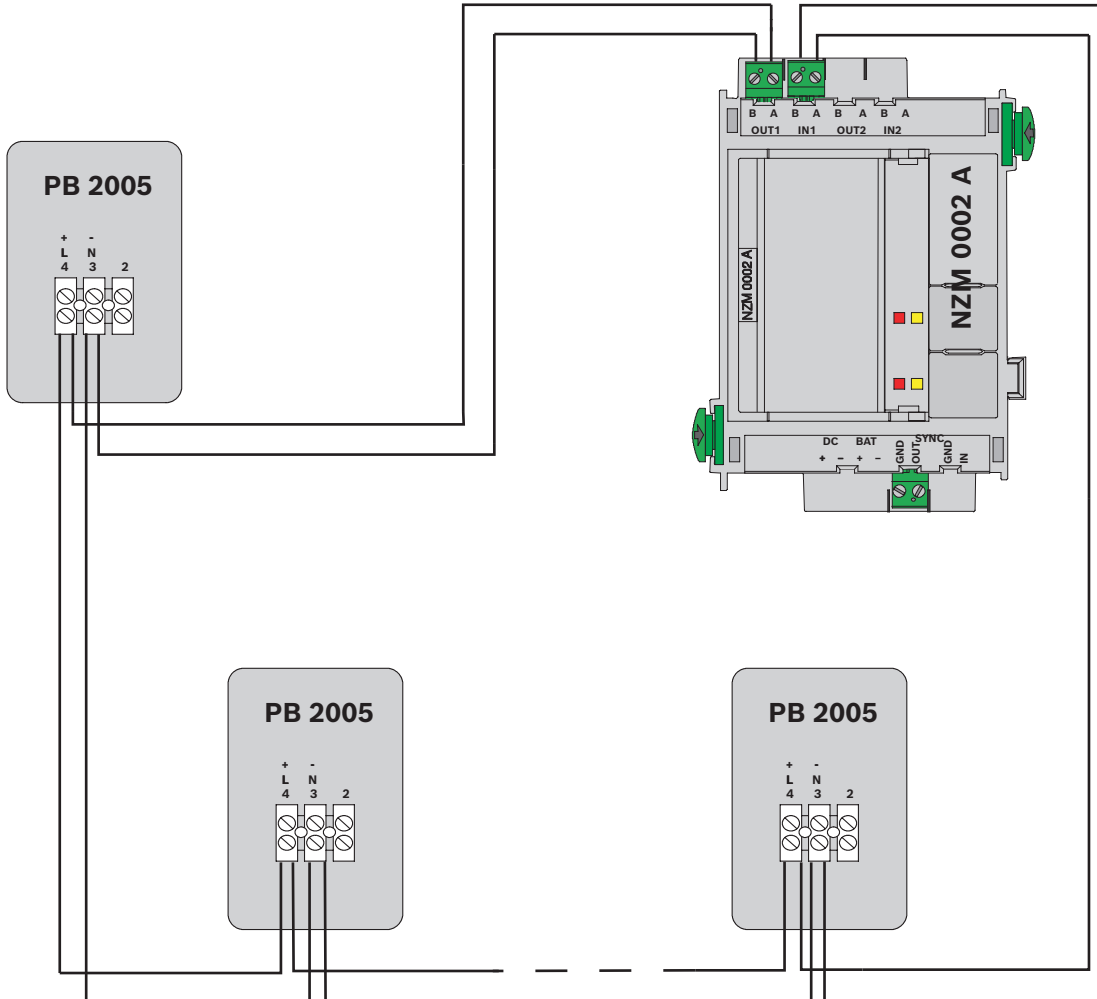
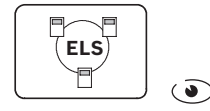


**ROLP-W-LX
FNM-320**



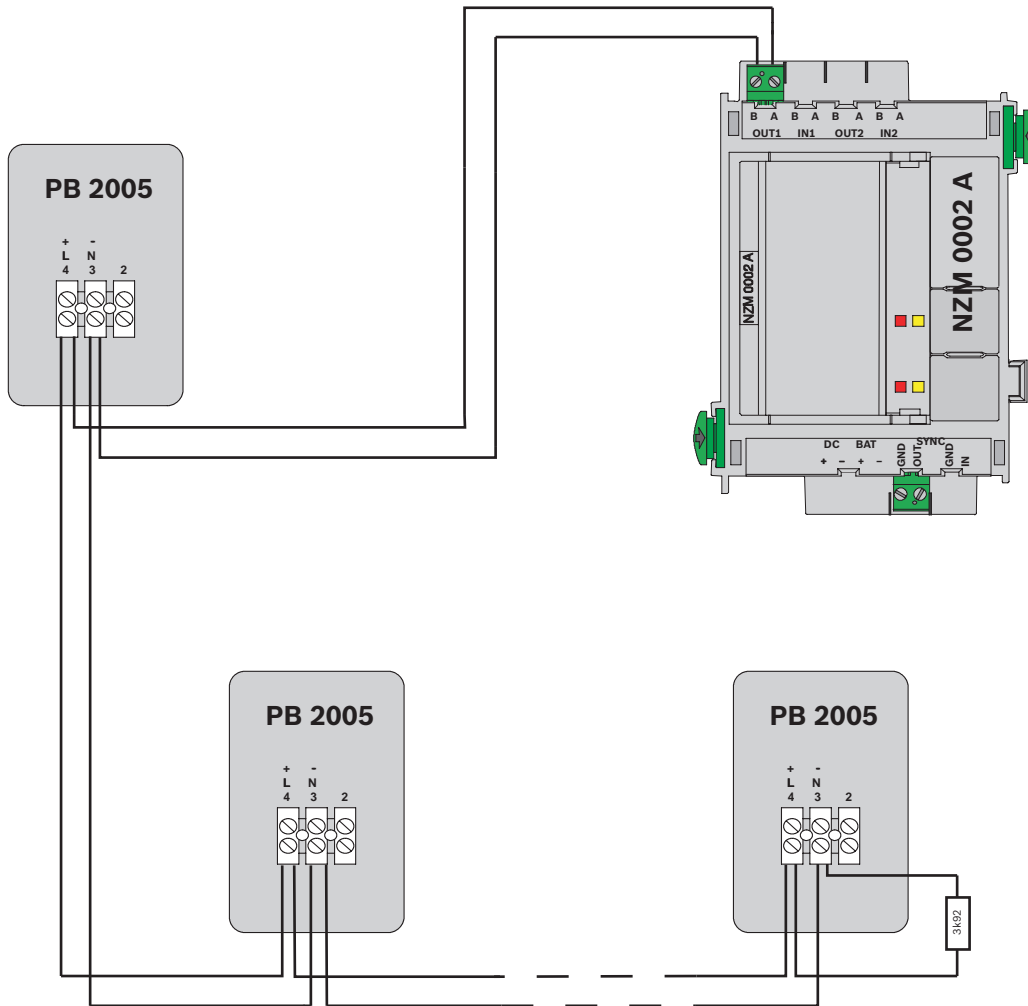
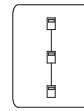


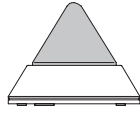
PB 2005



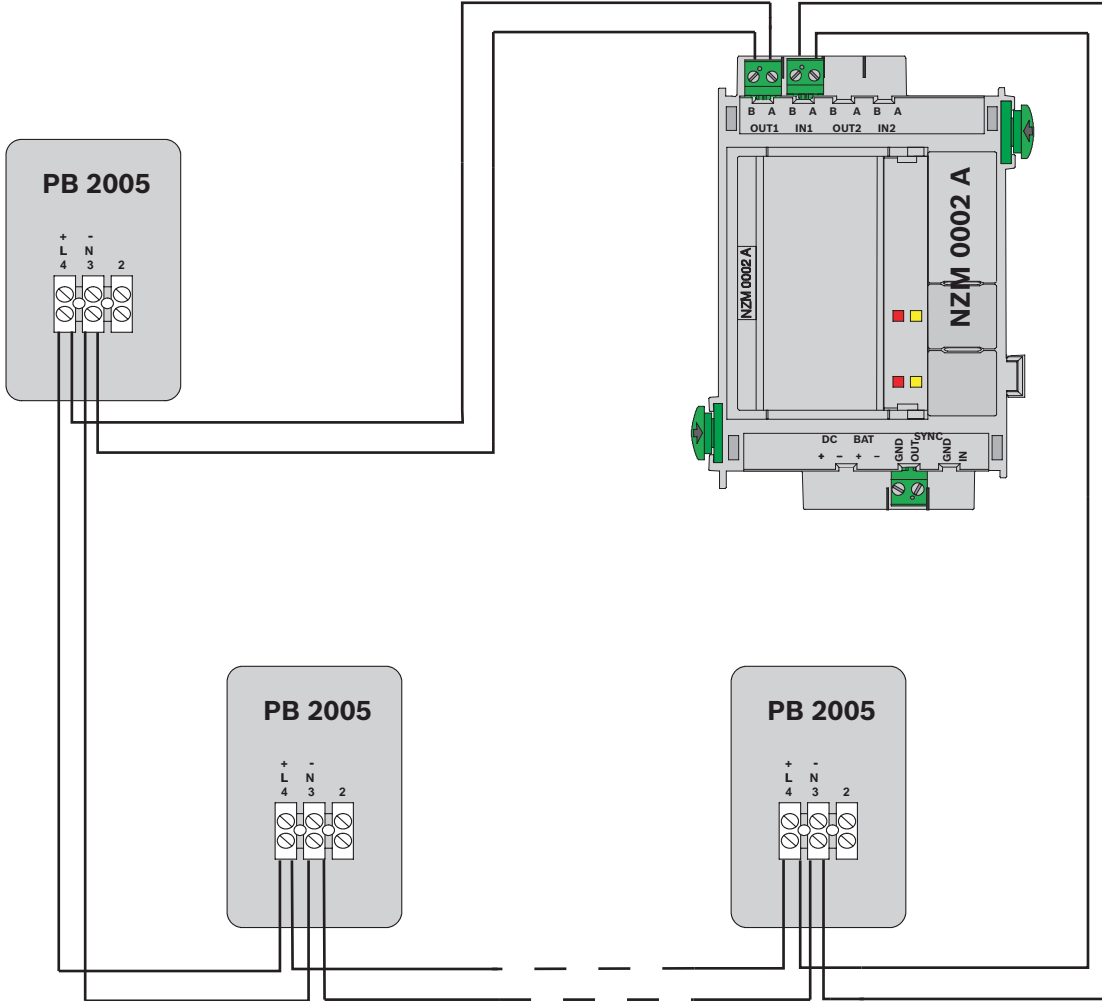
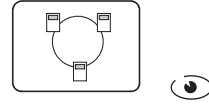


PB 2005



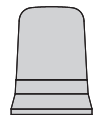


PB 2005

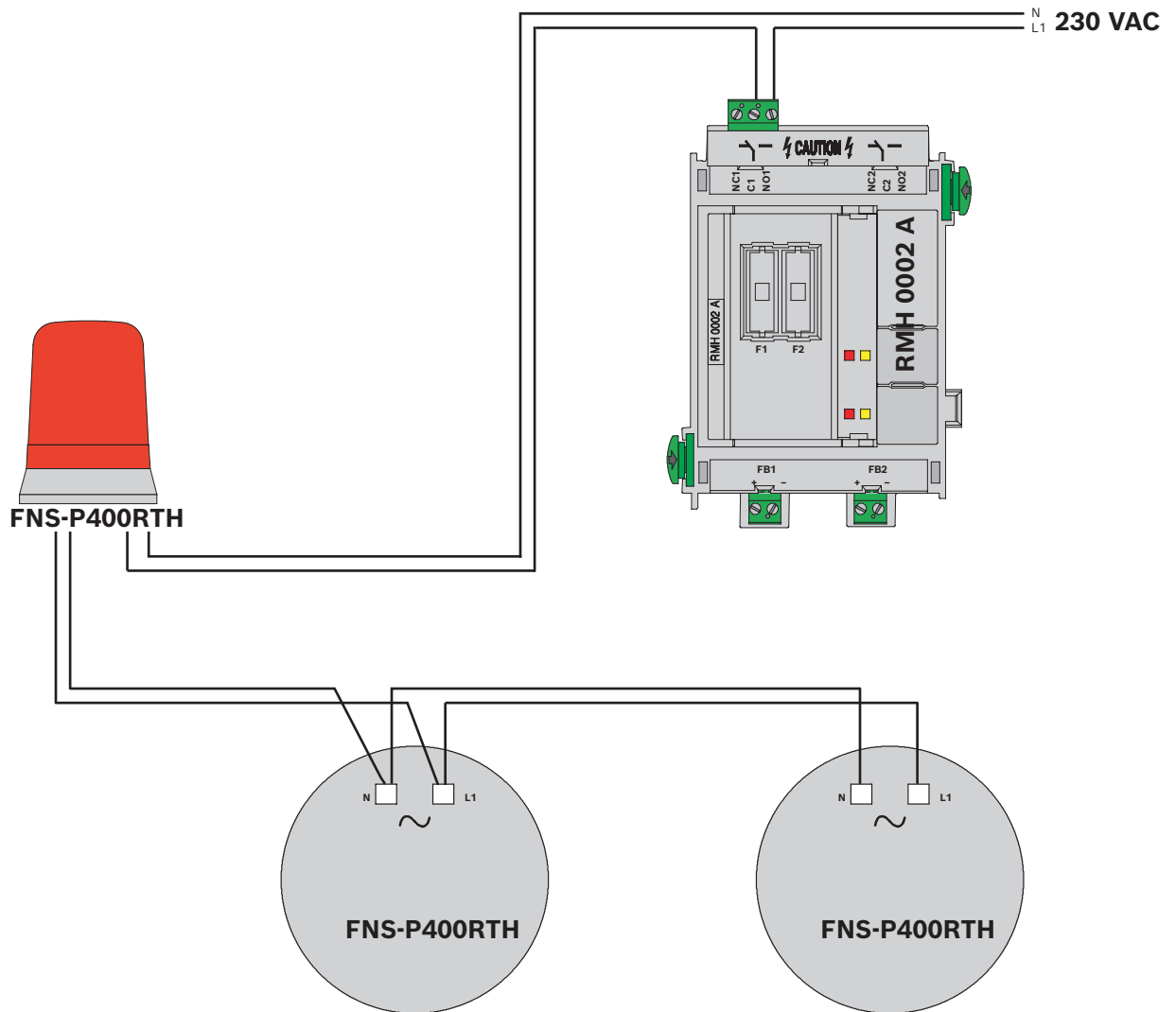
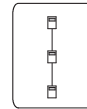


2.4.6

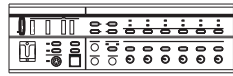
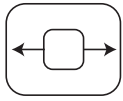
RMH 0002 A



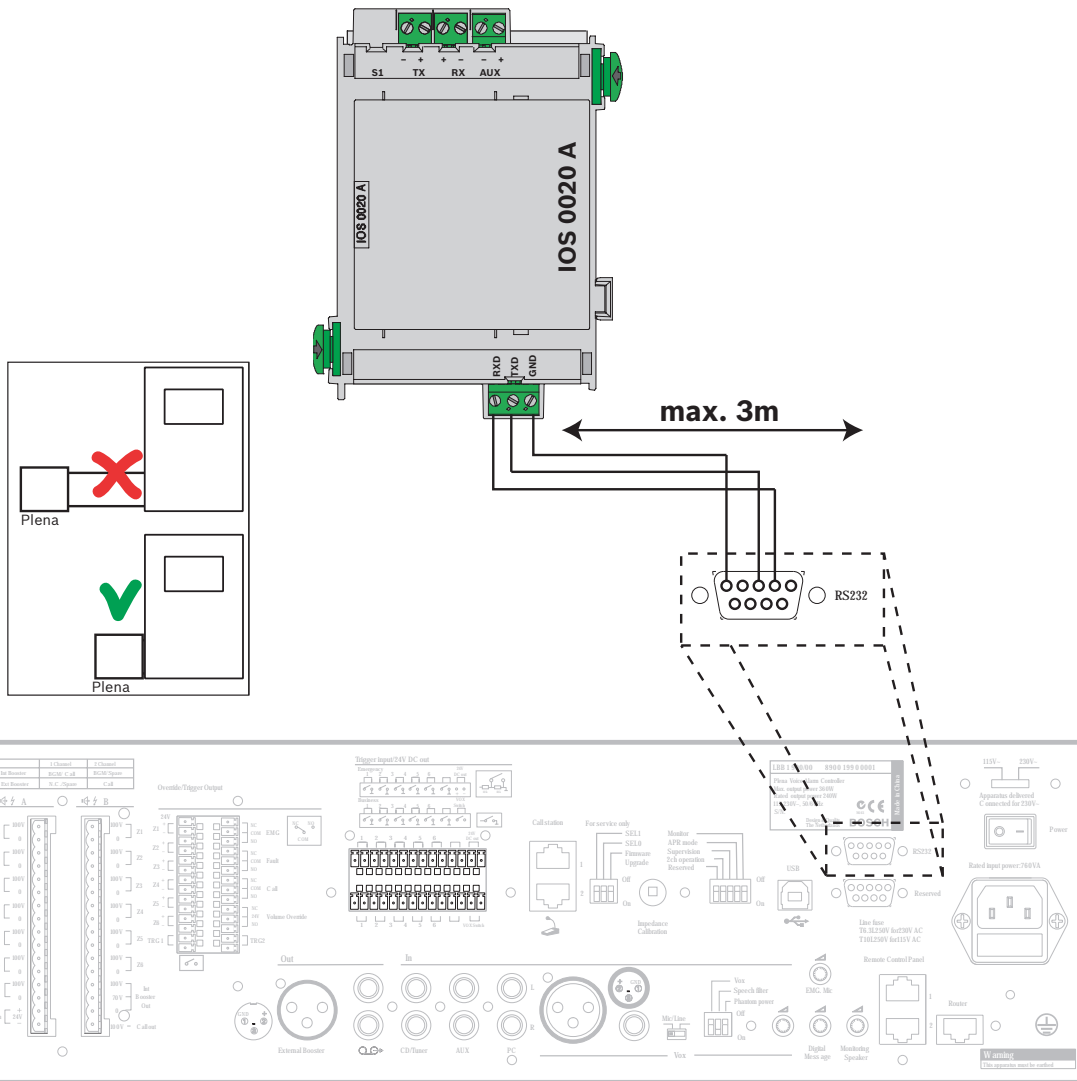
FNS-P400RTH



2.4.7 IOS 0020 A



Plena

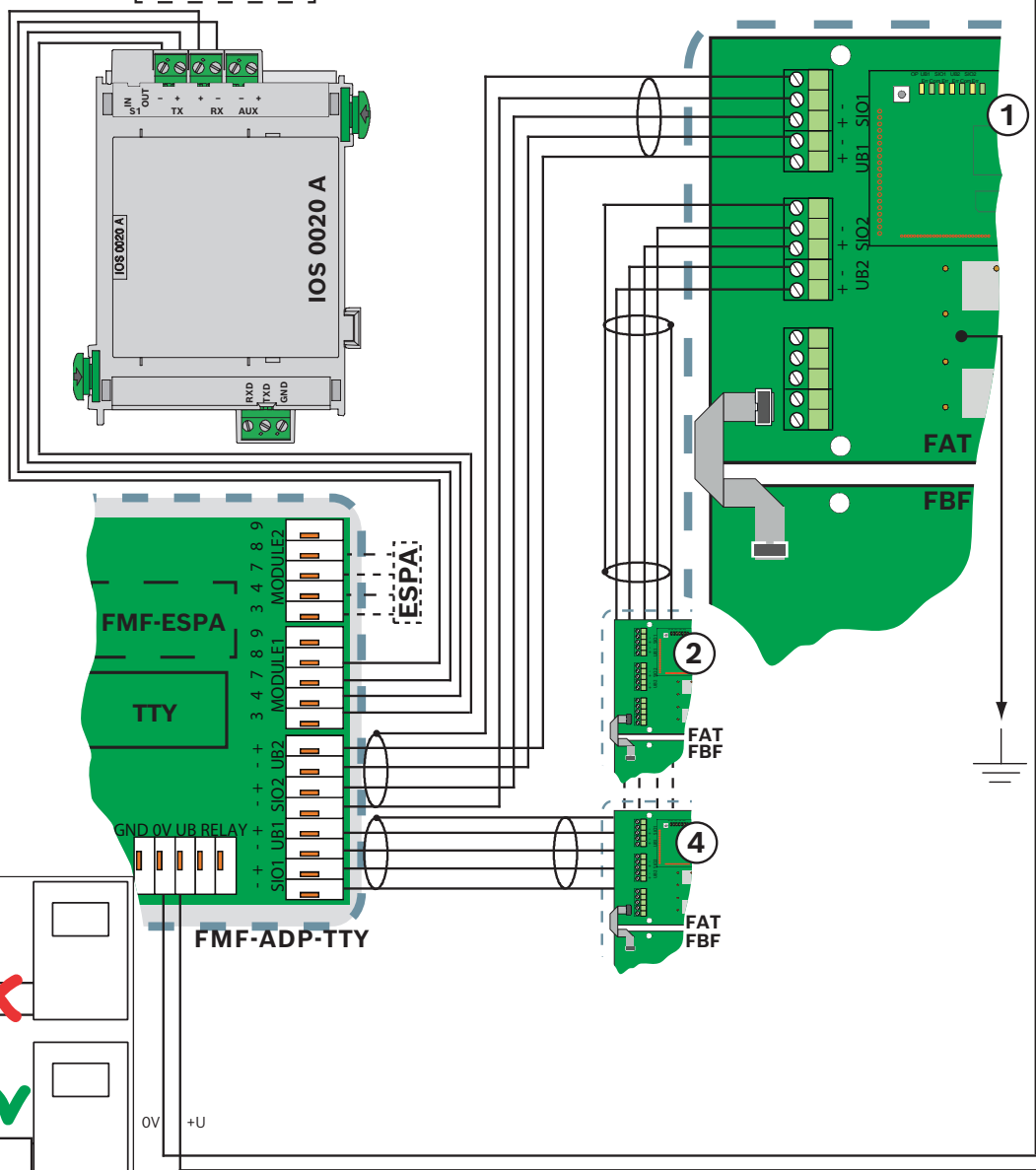
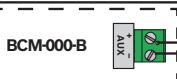




FAT4000 FBF4000 ADP4000

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

ELS

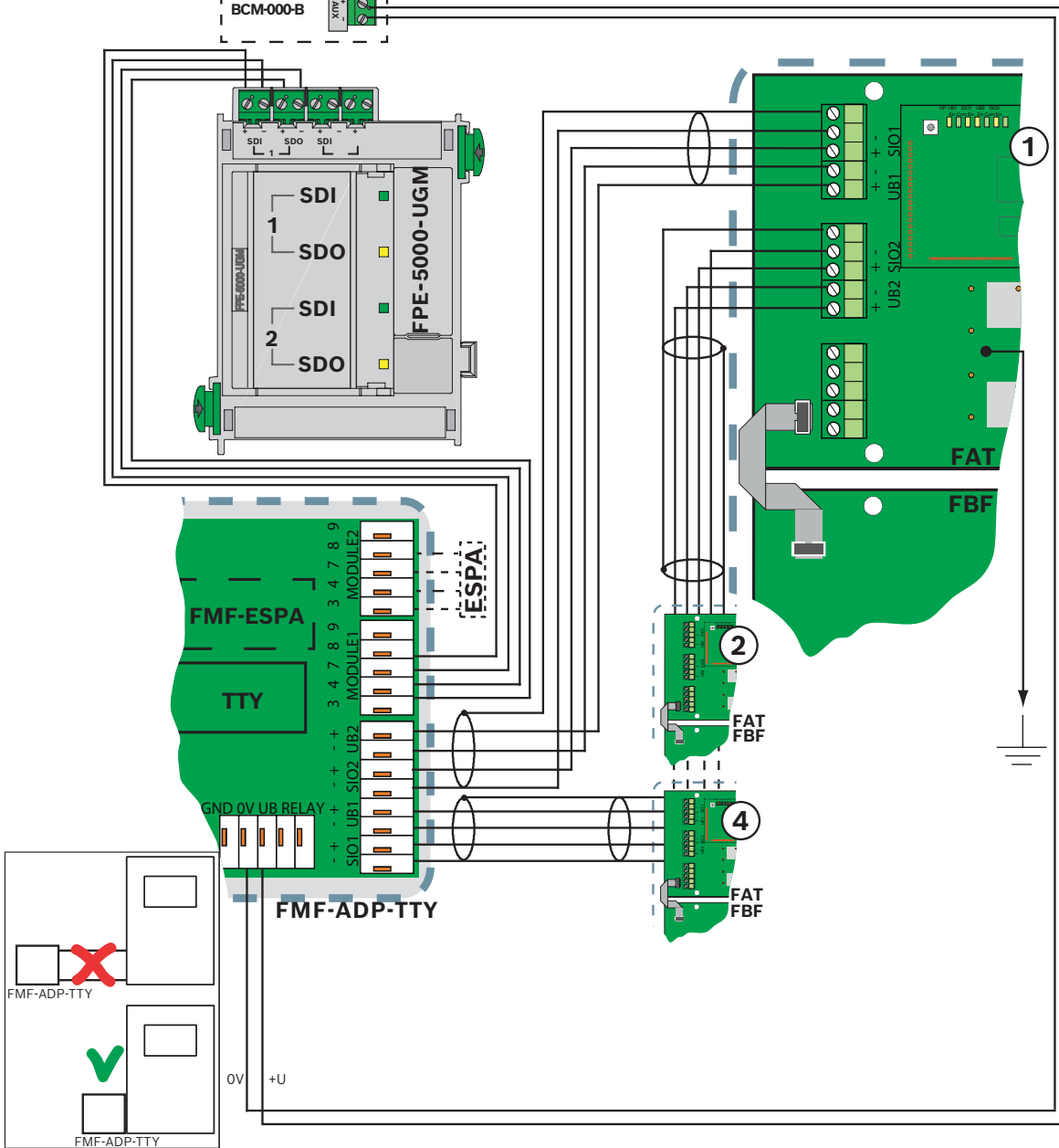


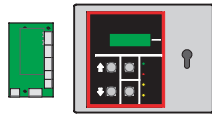
2.4.8 FPE-5000-UGM



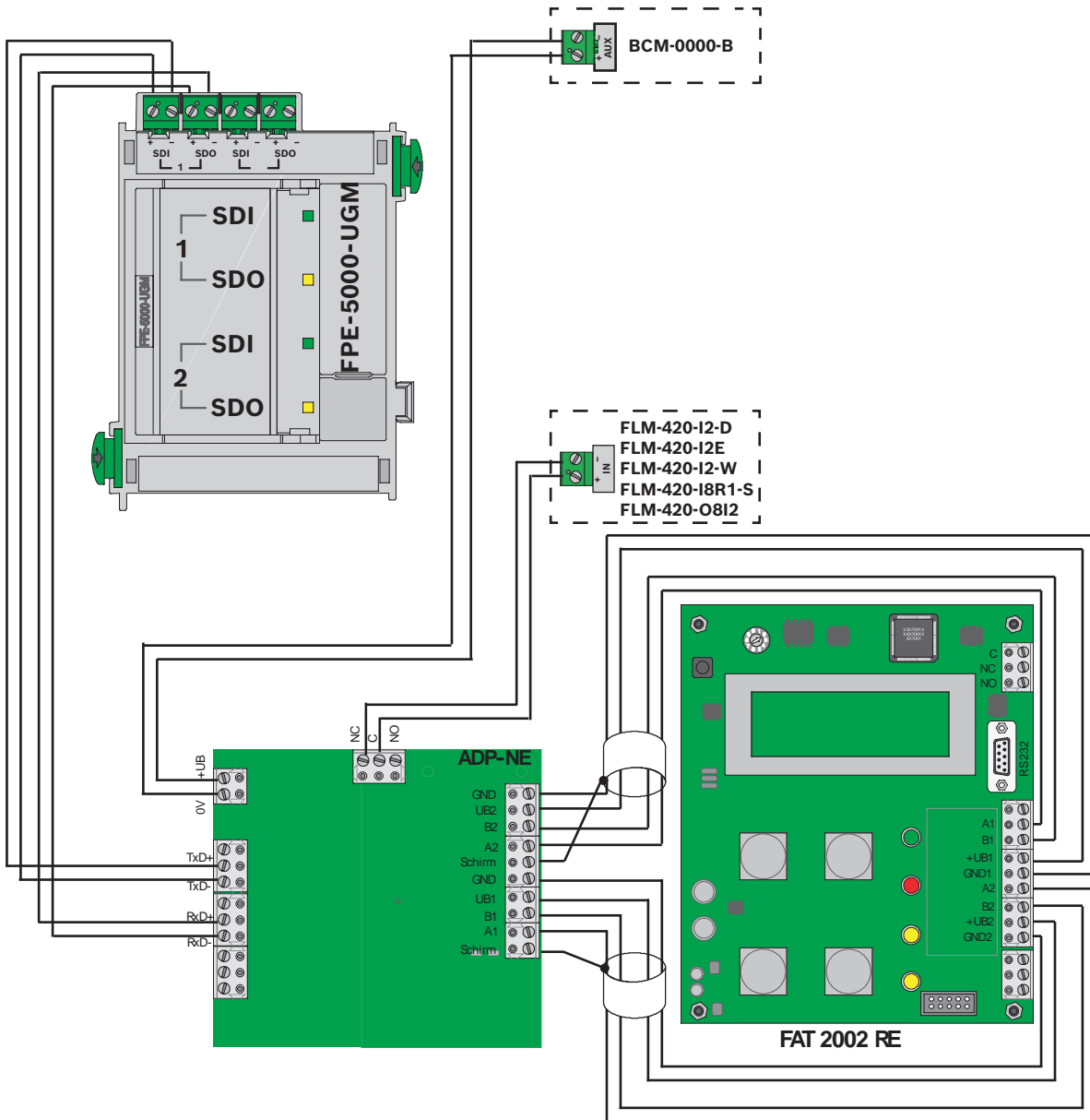
FAT4000 FBF4000 ADP4000
 FMF-FAT FMF-FBF-FAT
 FMF-FIBS-A4/-A3
 FMF-ADP

ELS





FAT2002RE
ADP-NE



2.5

Interface Modules



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

FLM-420-I8R1-S, sayfa 158

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

FLM-420-RHV, sayfa 172

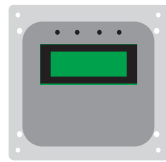
FLM-420-RLE-S, sayfa 184

FLM-420-RLV1-E, sayfa 185

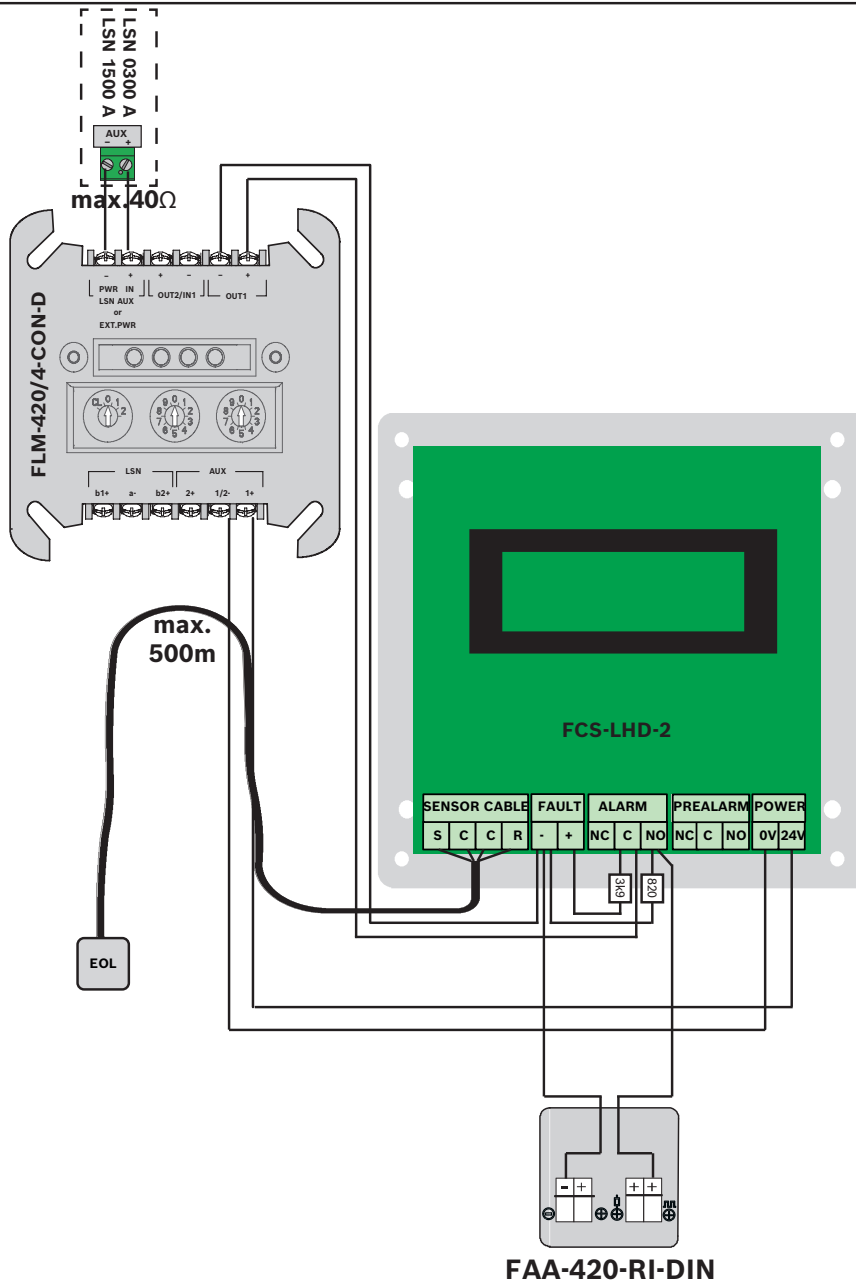
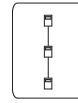
FLM-420-RLV8-S, sayfa 186

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

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

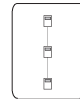


ALARMLINE II



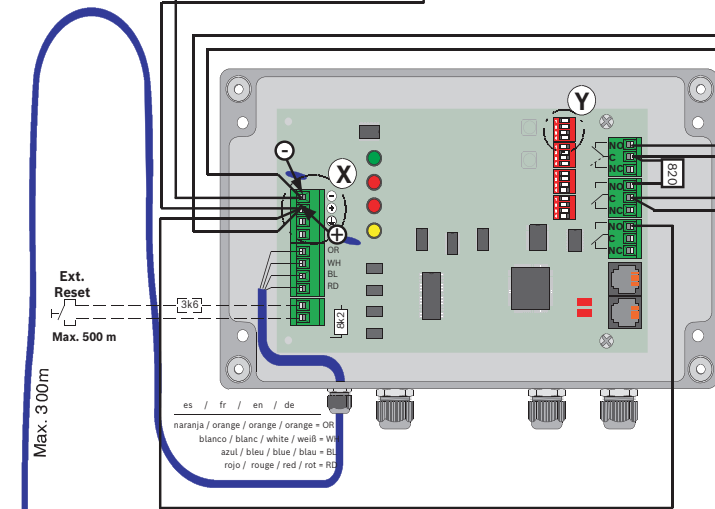
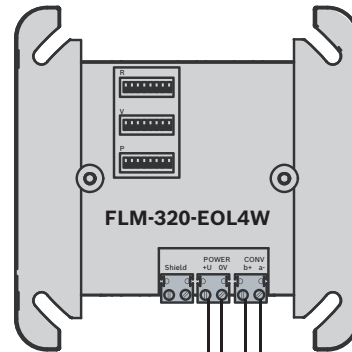
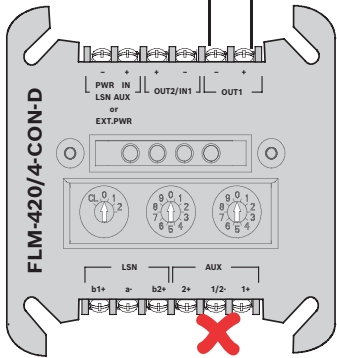


FCS-LWM-1



ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A

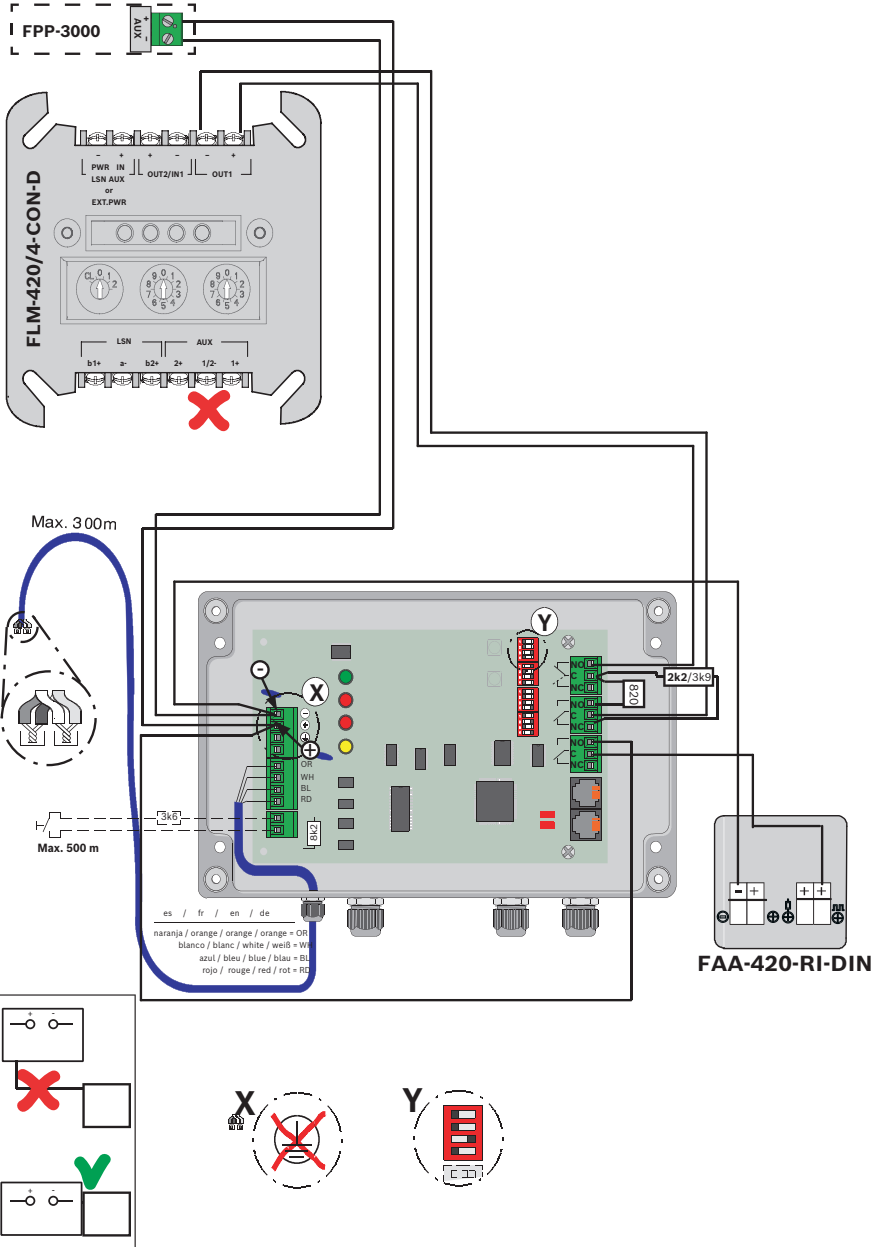


es / fr / en / de
naranja / orange / orange / orange = OR
blanco / blanc / white / weiß = WH
azul / bleu / blue / blau = BL
rojo / rouge / red / rot = RE



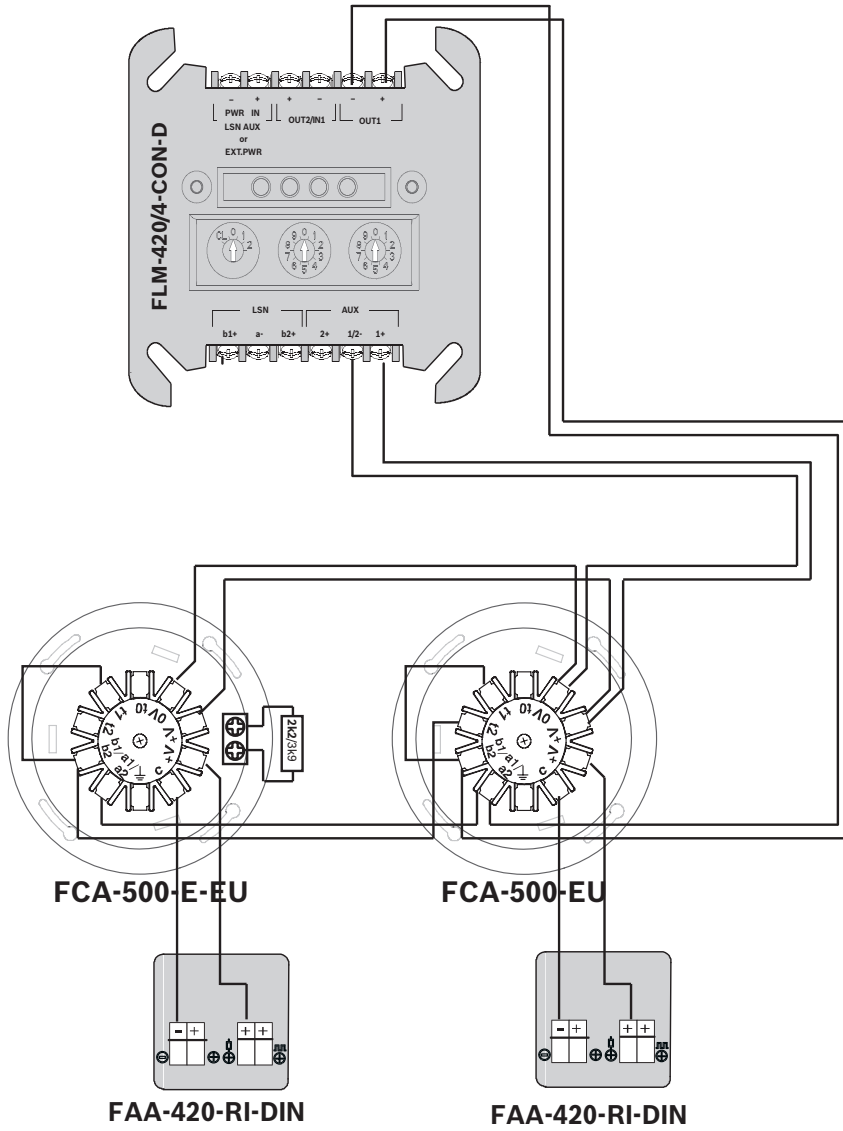


FCS-LWM-1



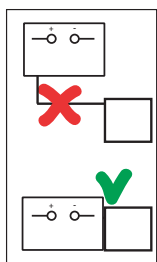
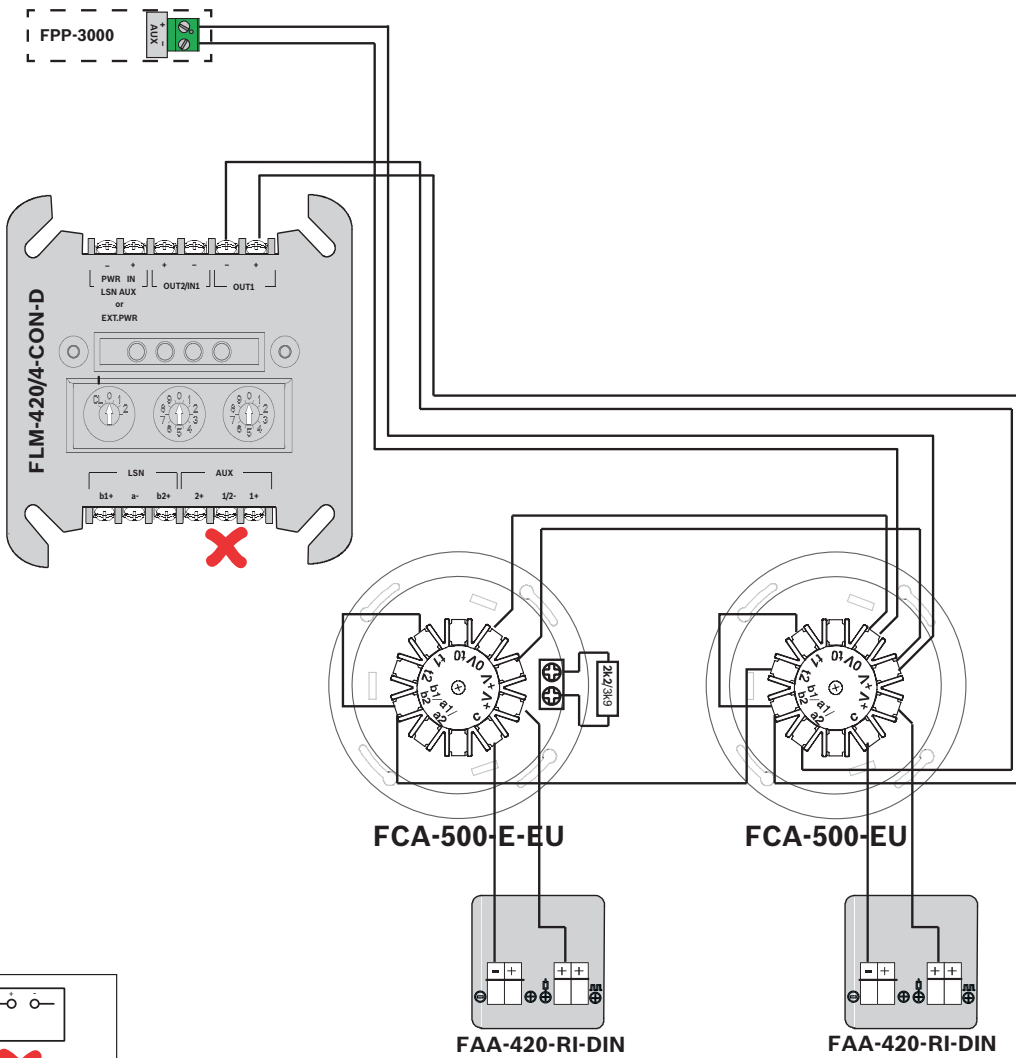


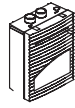
FCP-500



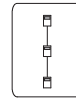


FCA-500-EU
 FCP-O 500
 FCP-O 500-P
 FCP-OC 500
 FCP-OC 500-P

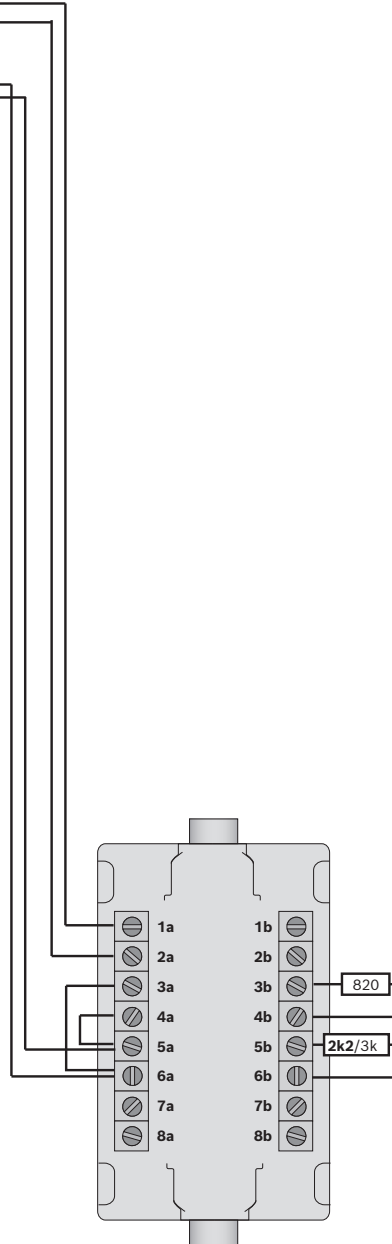
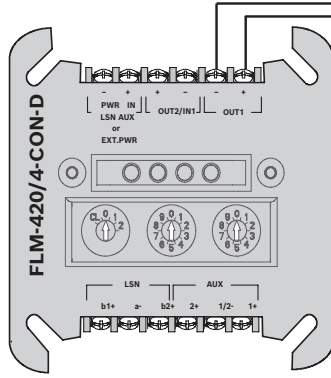


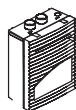


FCS-320-TM Series

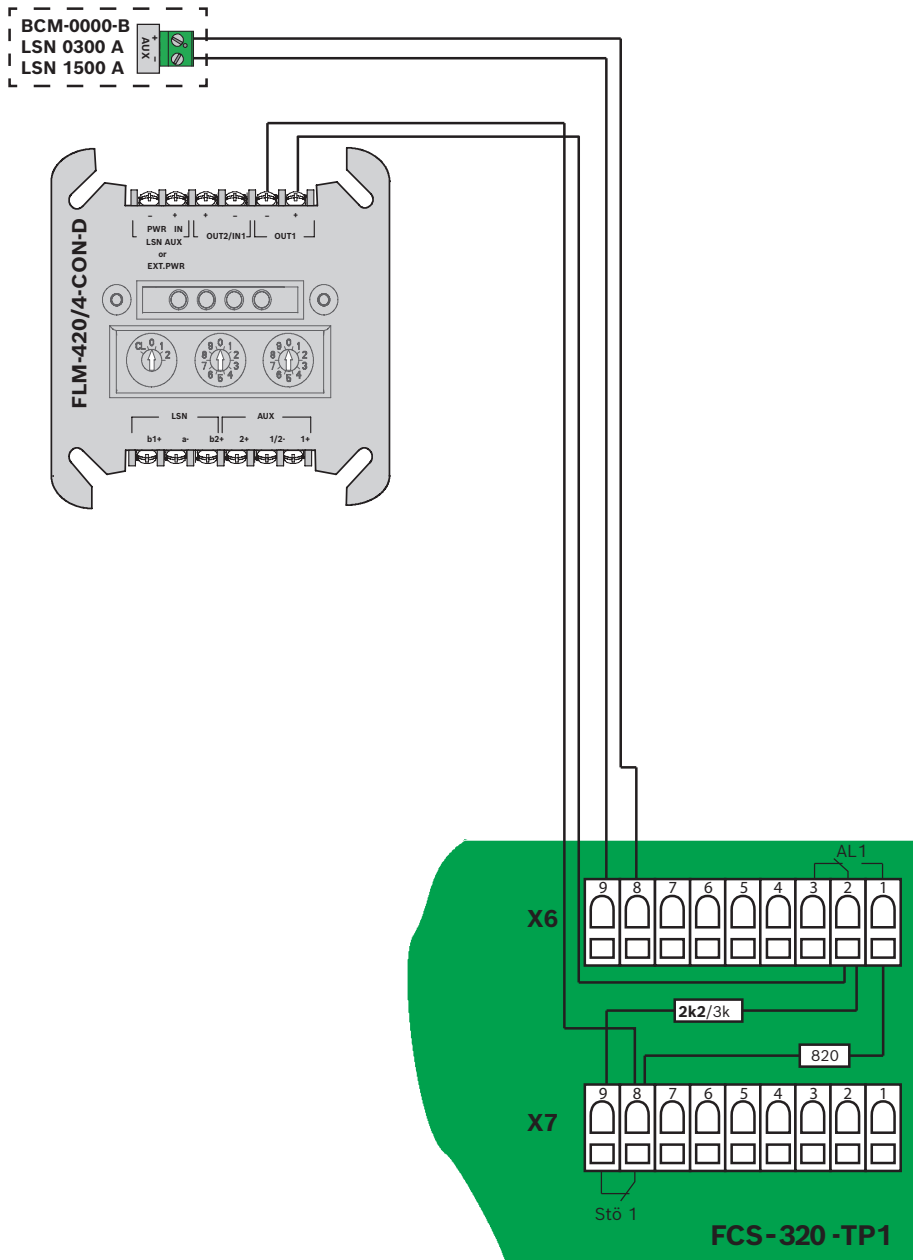


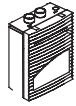
BCM-0000-B
LSN 0300 A
LSN 1500 A



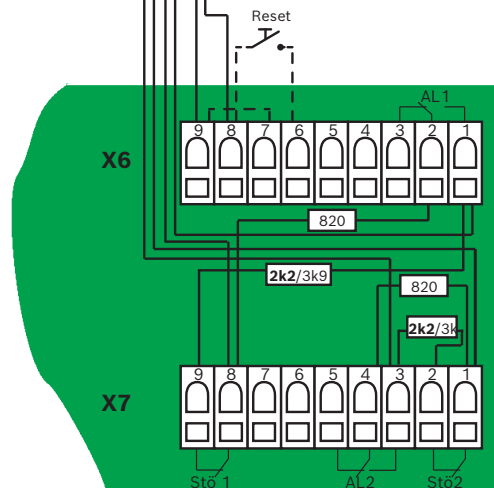
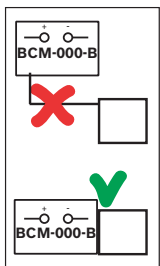
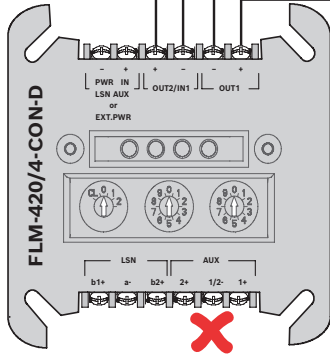
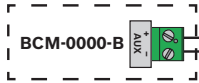


FCS-320-TP Series

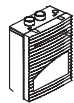




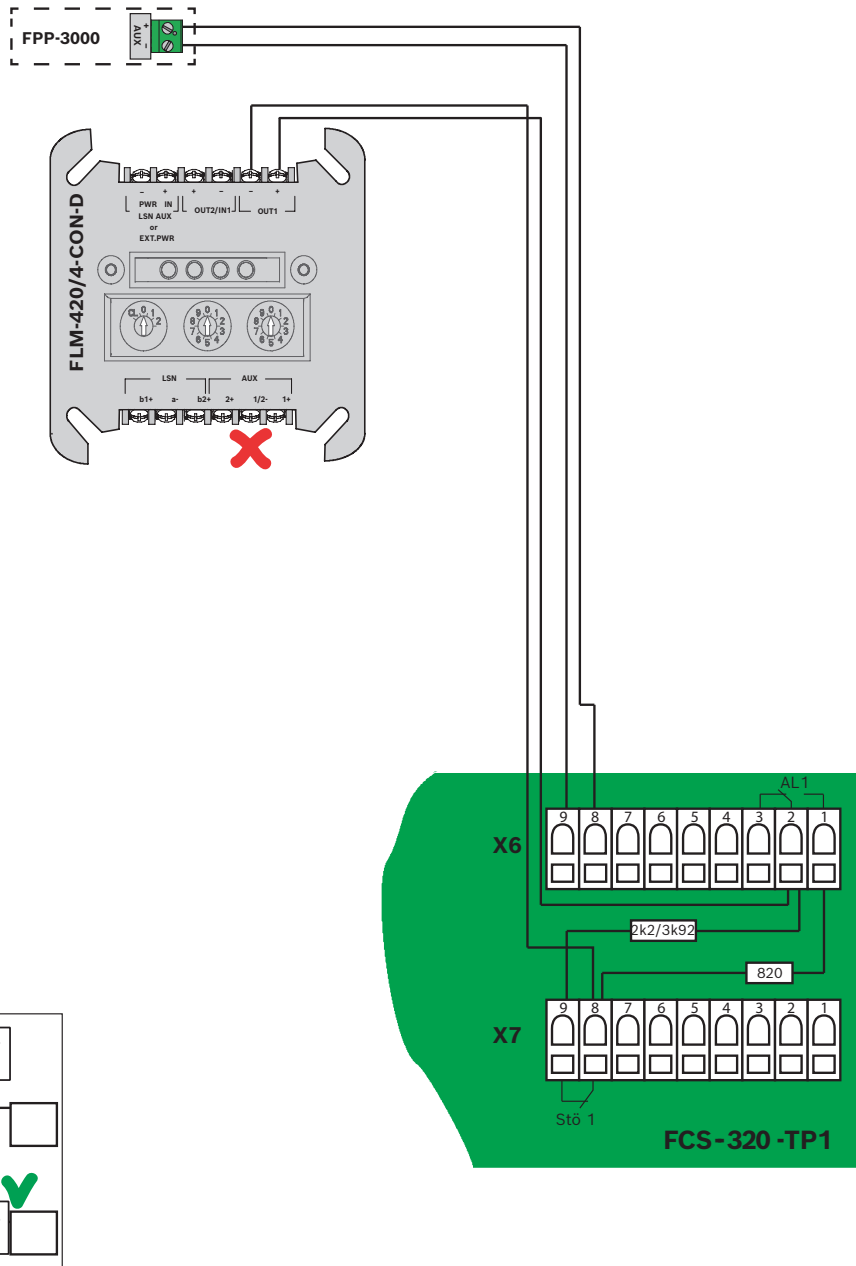
FCS-320-TP Series

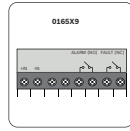


FCS-320-TP2

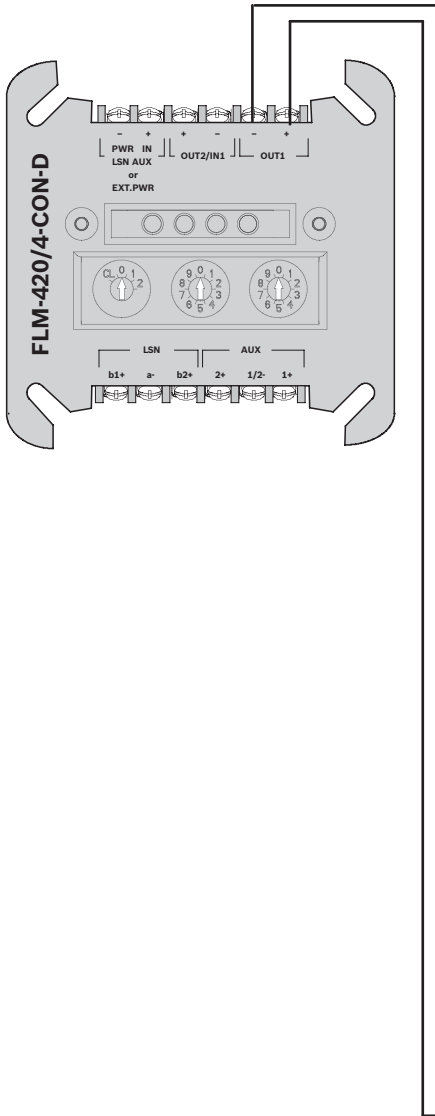
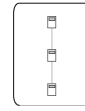


FCS-320-TP1

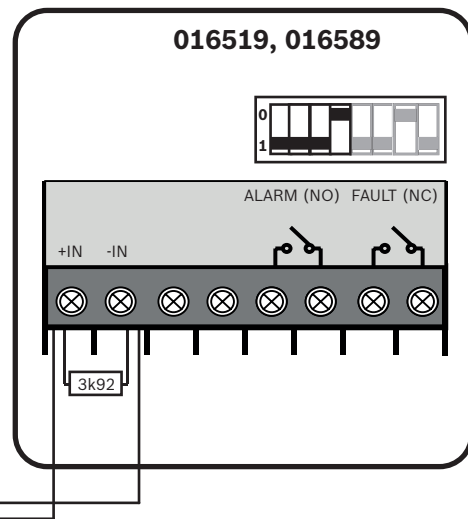


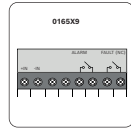


**016519, 016589
IR3 Flame Detector**

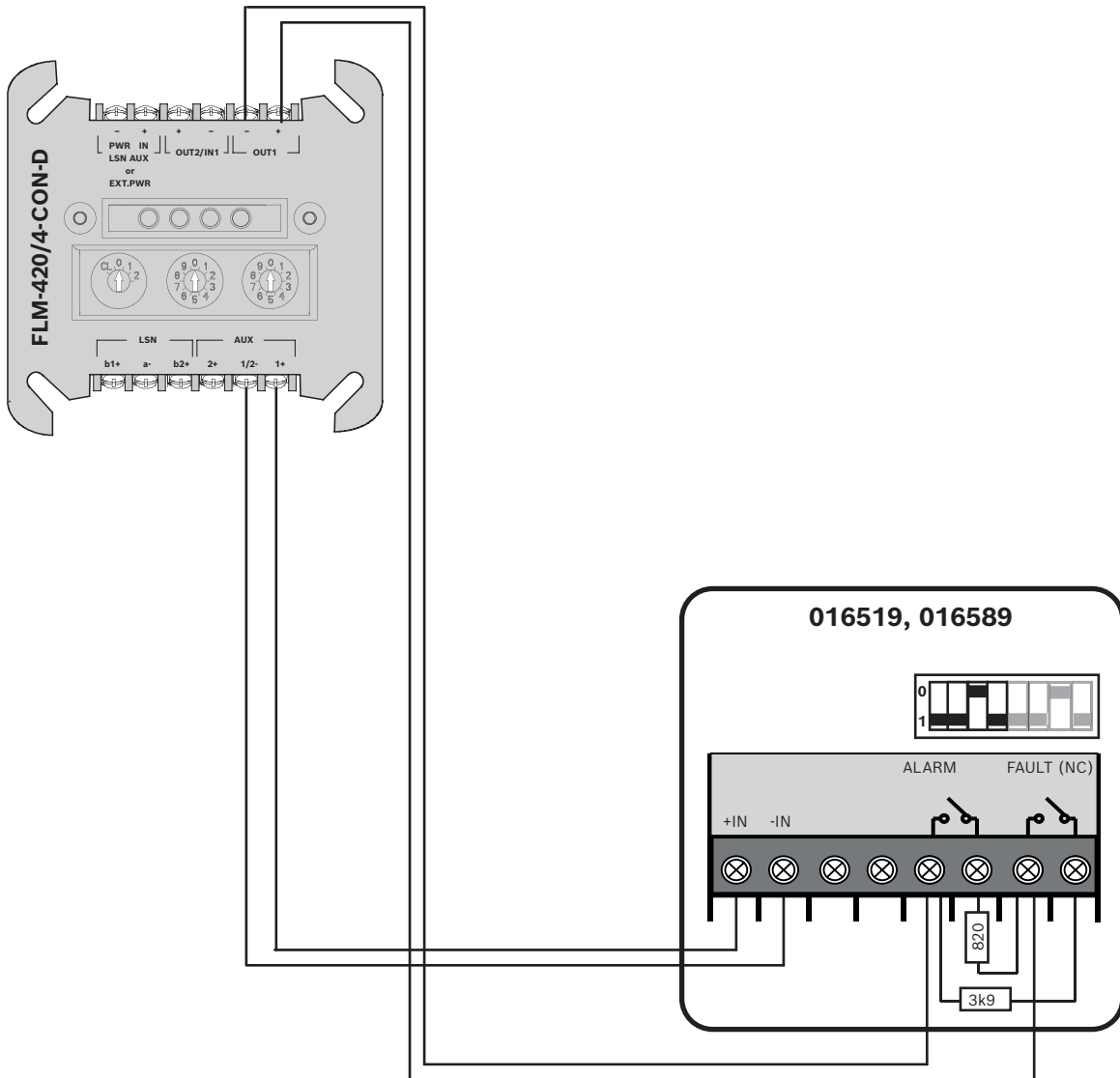
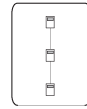


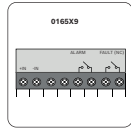
max. 1 x 0165X9



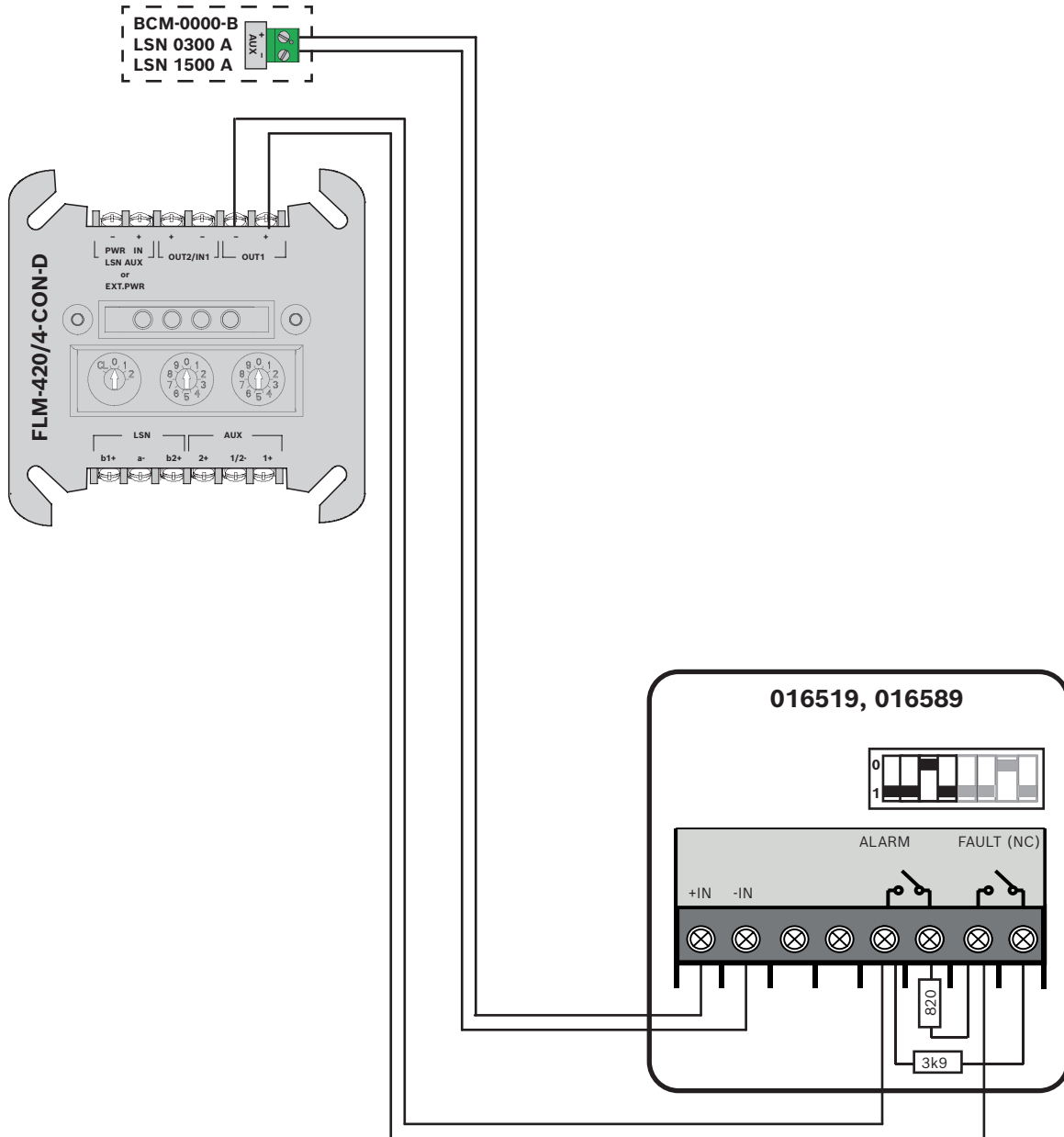
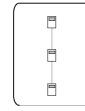


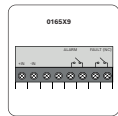
**016519, 016589
IR3 Flame Detector**



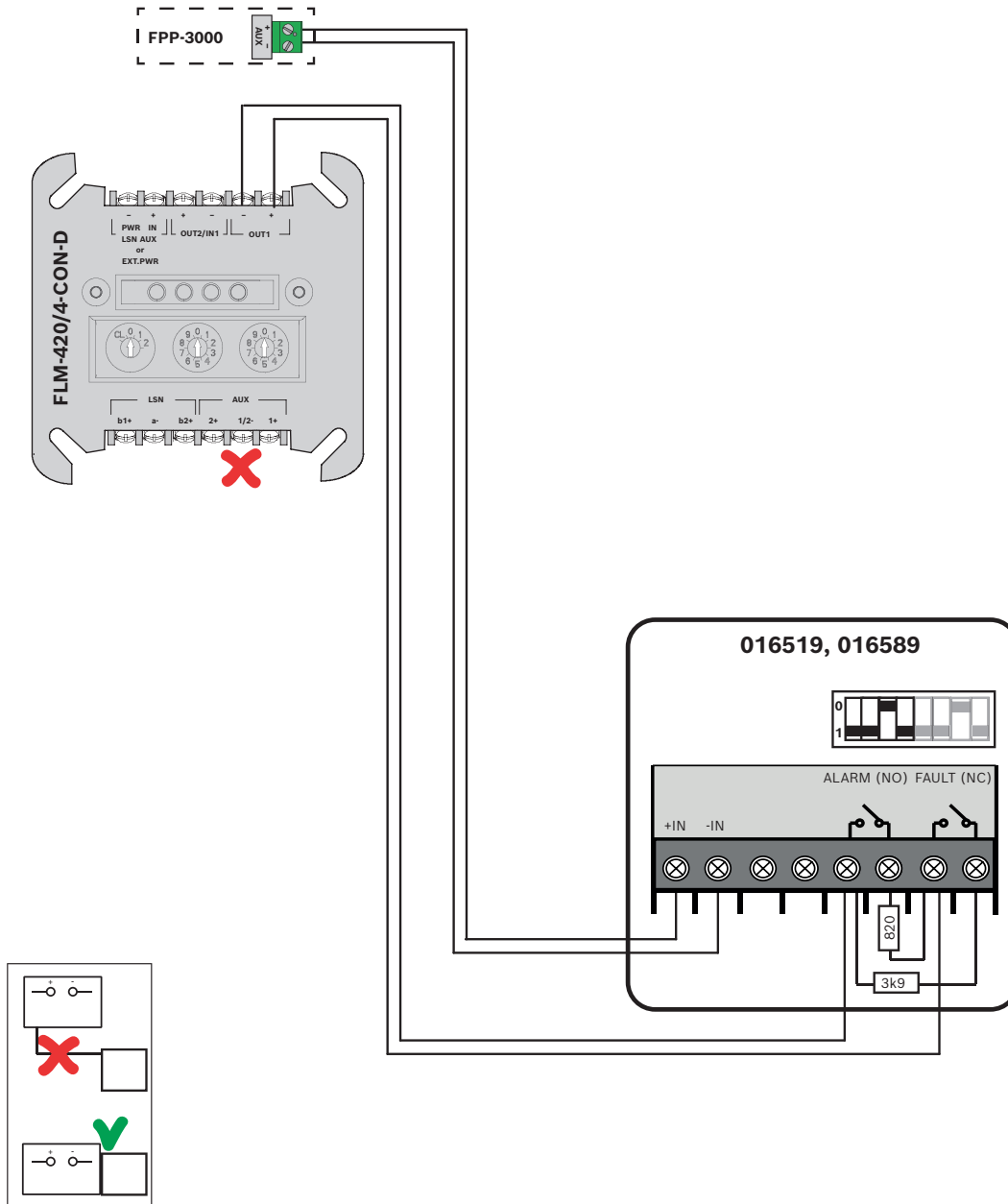


016519, 016589 IR3 Flame Detector



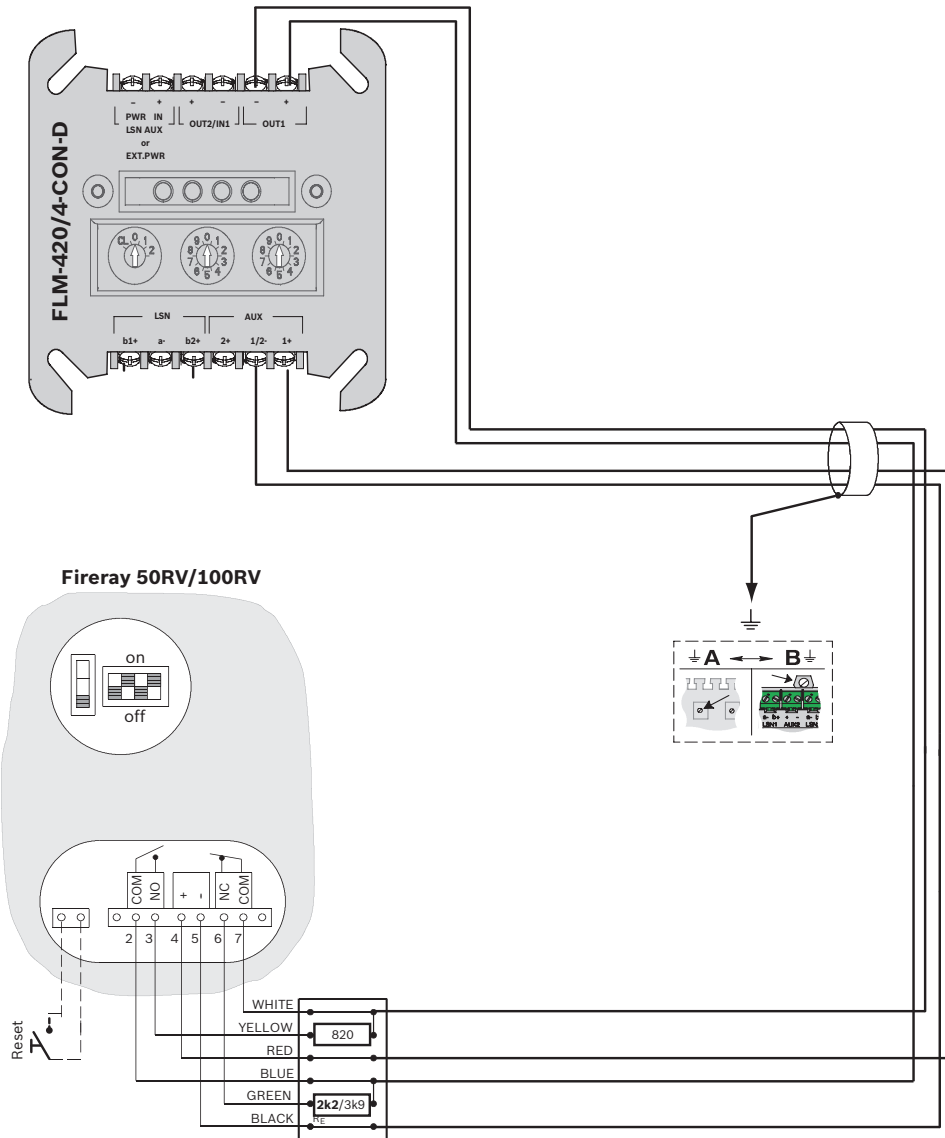


**016519, 016589
IR3 Flame Detector**





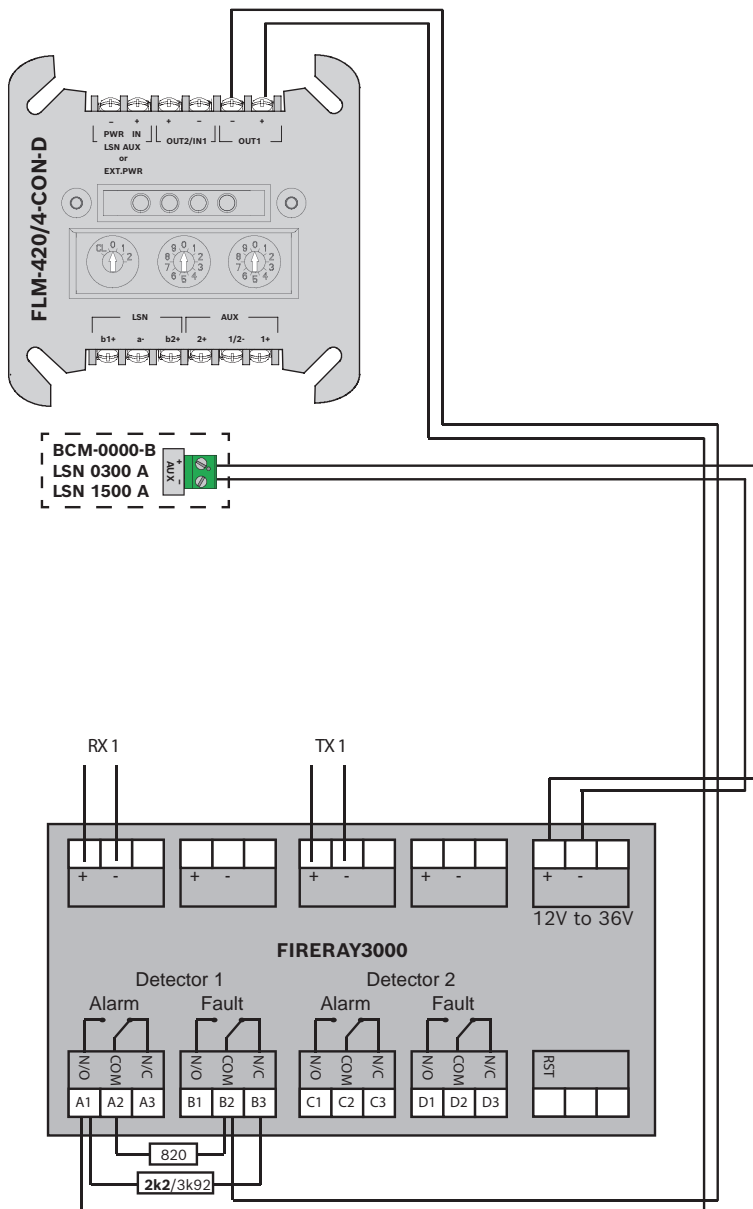
**Fireray 50RV
Fireray 100RV**





FIRERAY3000

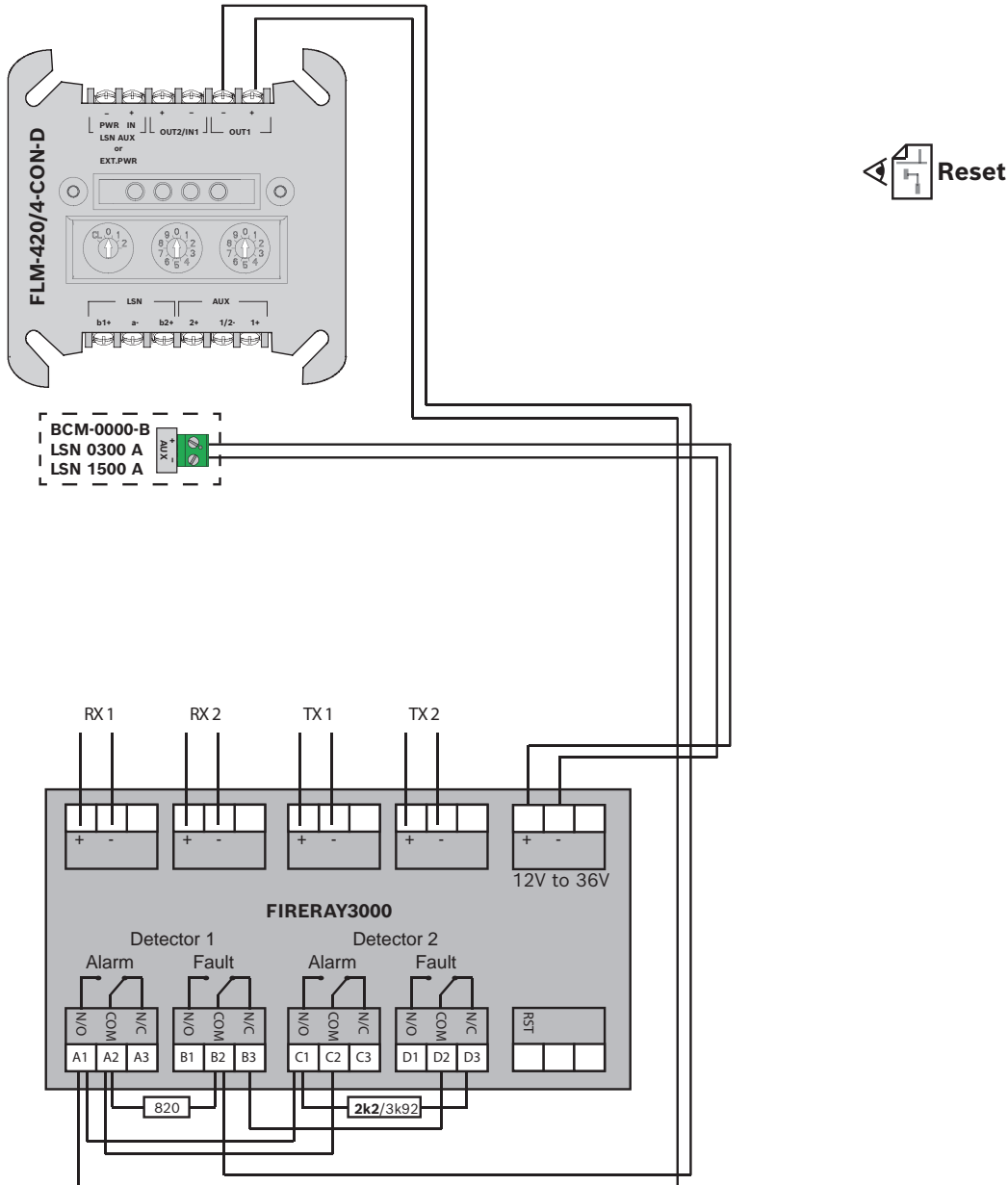
1 x





FIRERAY3000

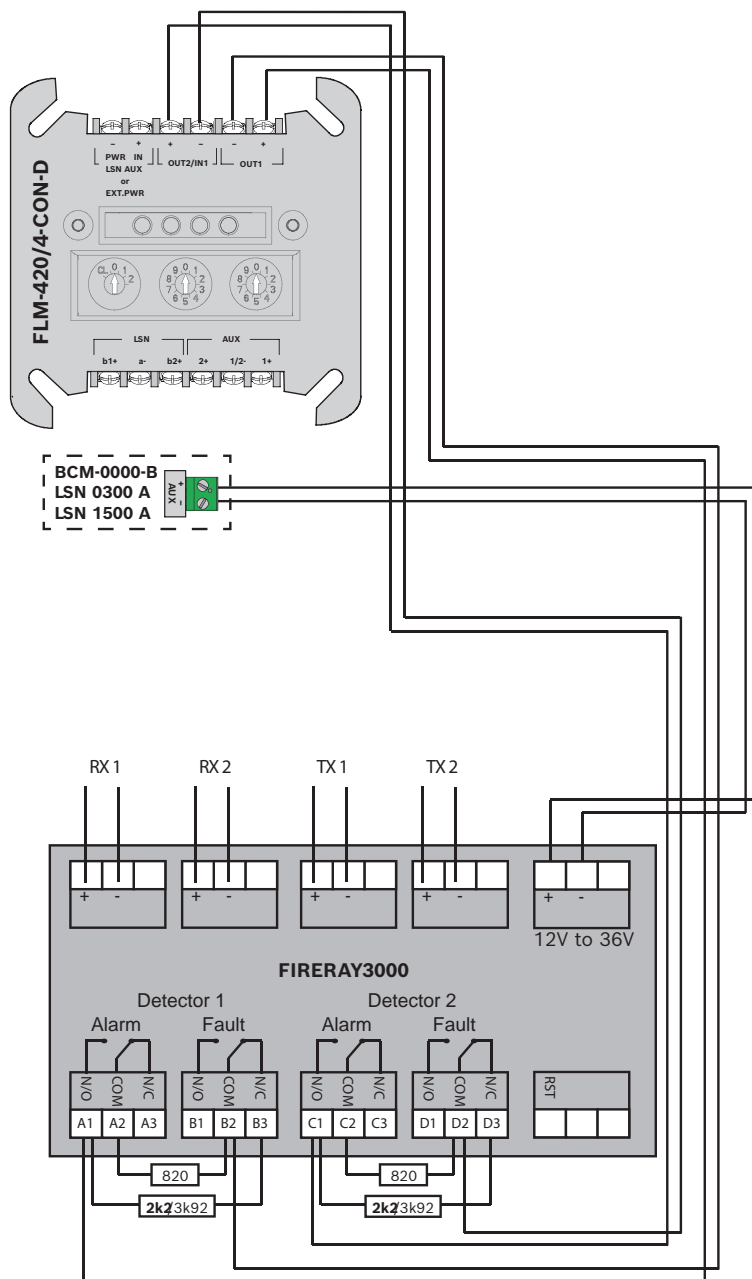
2 x **OUT1**





FIRERAY3000

2 x **OUT1+2**

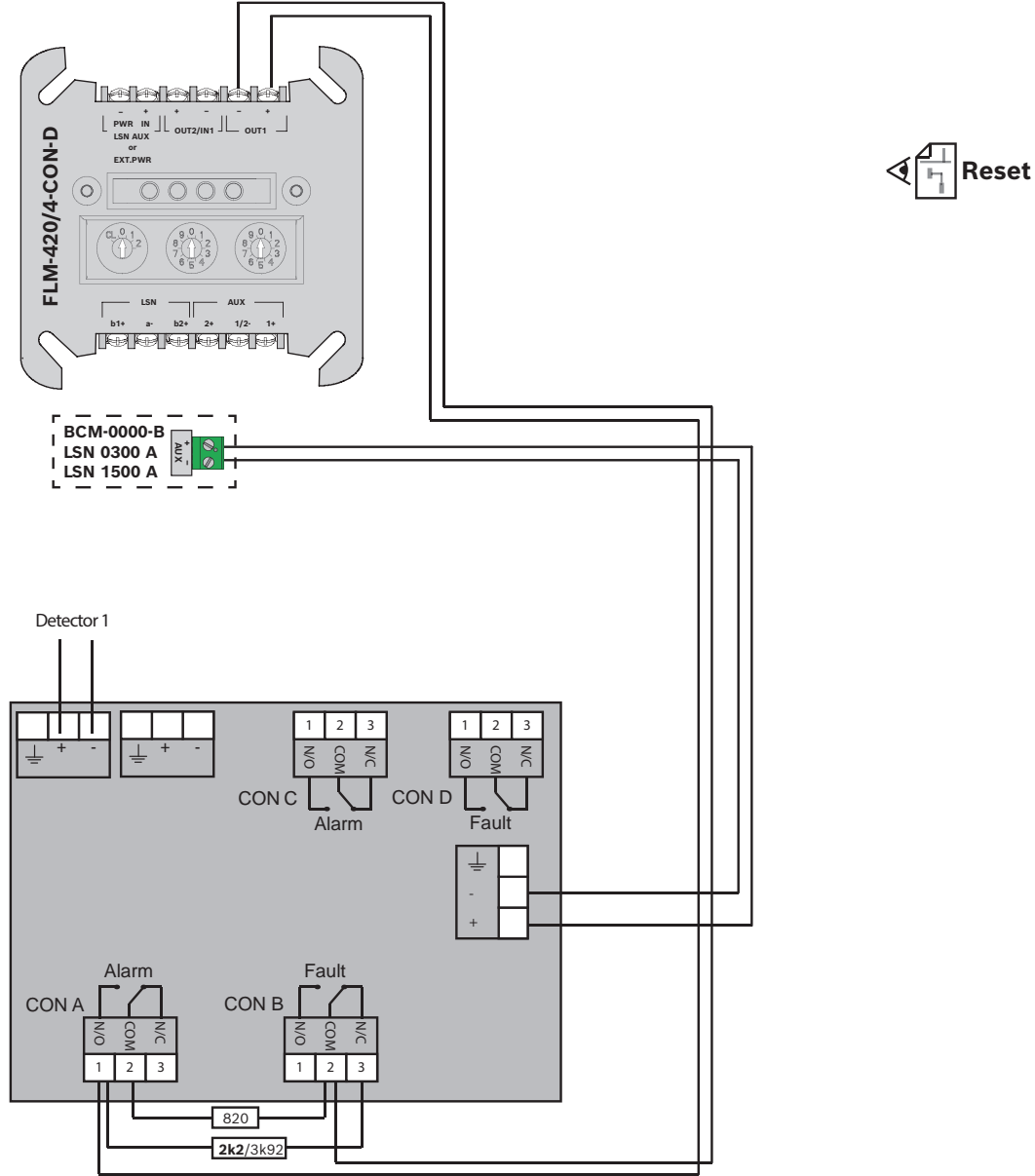
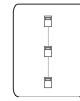


Reset action



FIRERAY5000

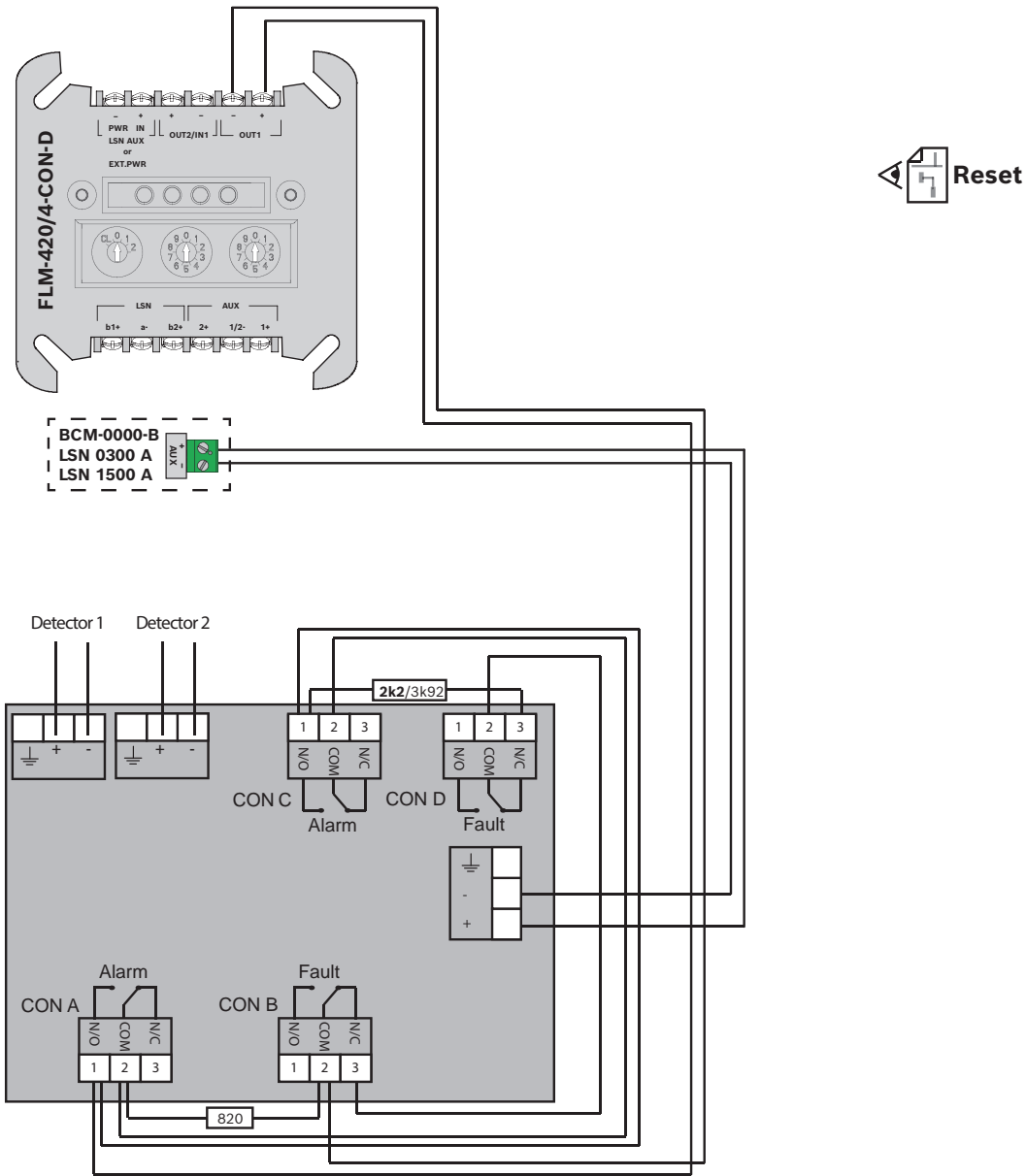
1 x 





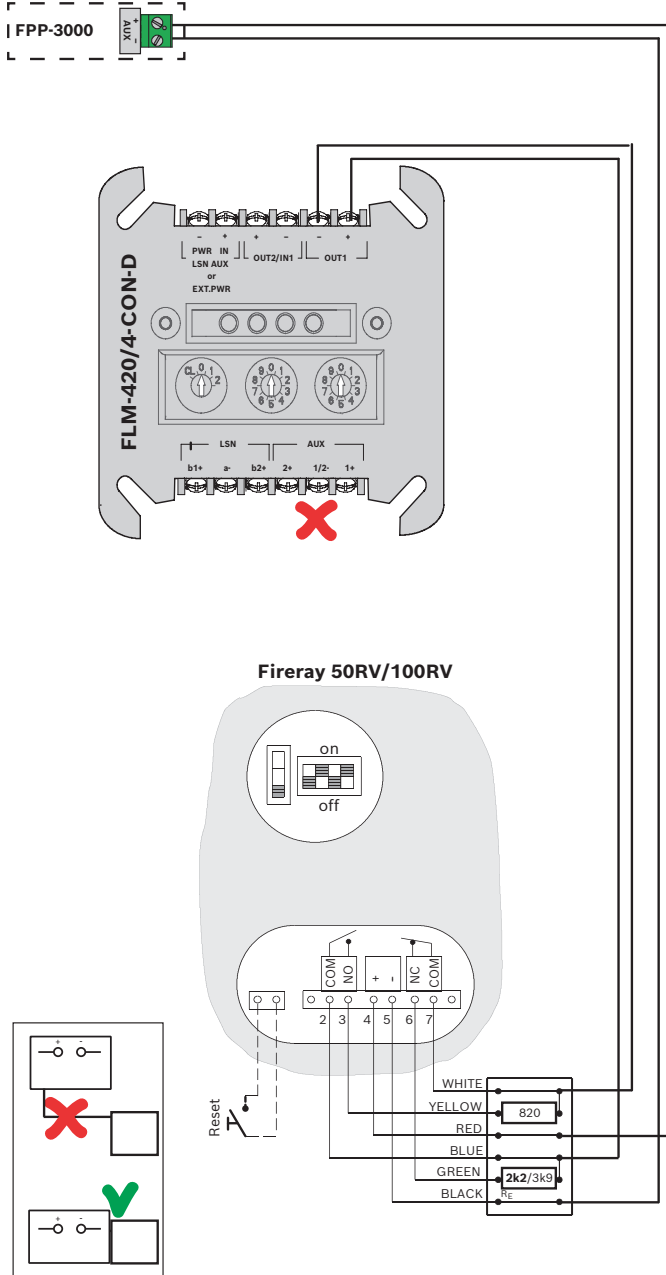
FIRERAY5000

2 x OUT1





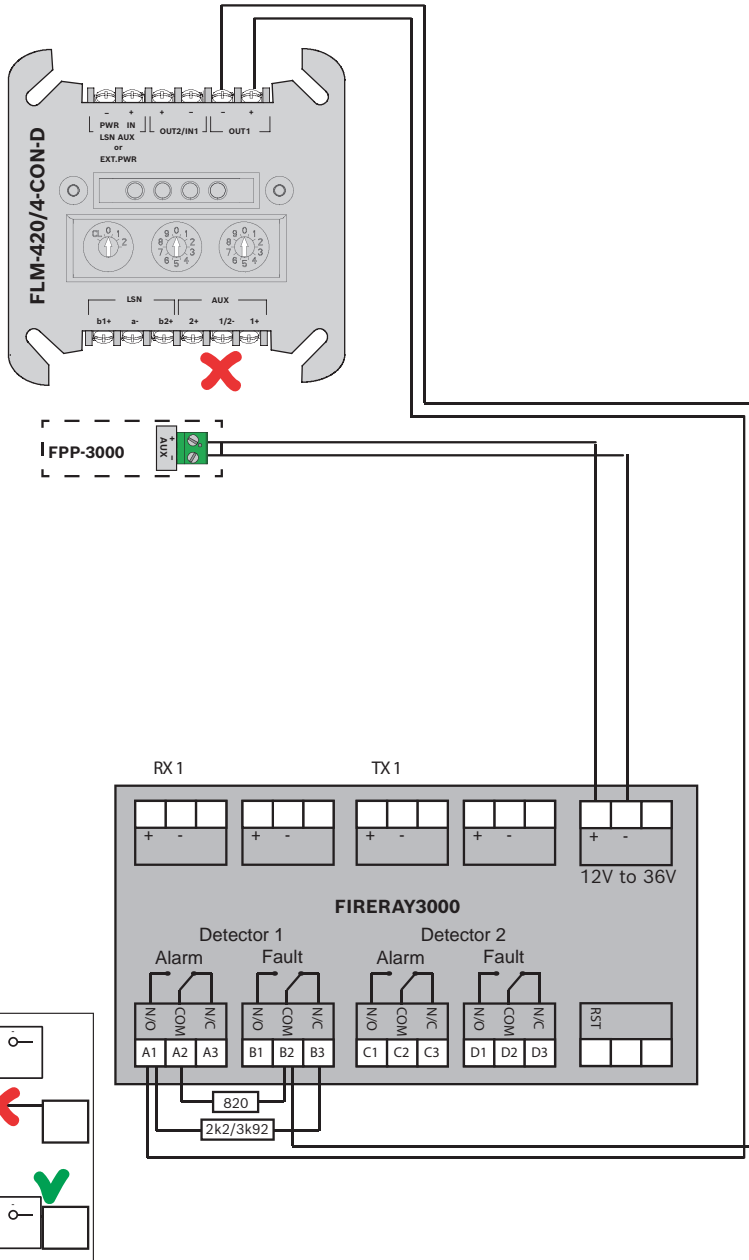
Fireray 50RV
Fireray 100RV



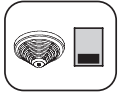


FIRERAY3000

1 x

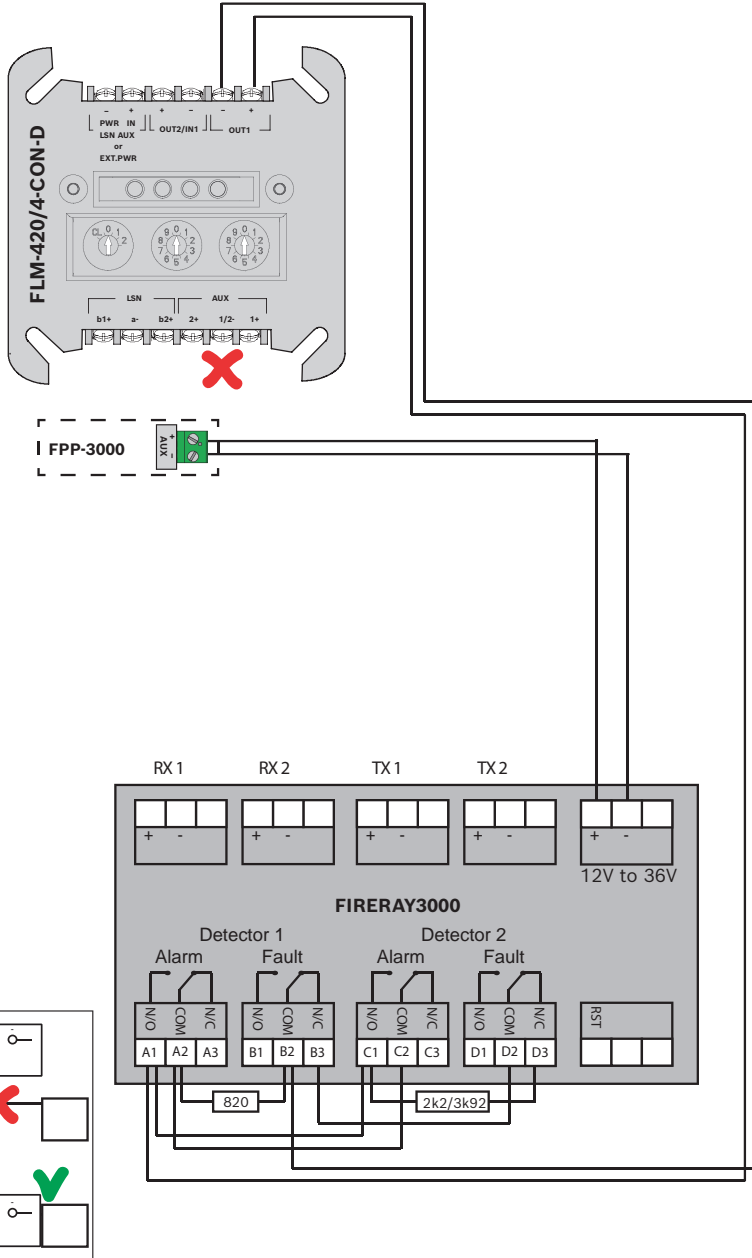


Reset action



FIRERAY3000

2 x  **OUT1**

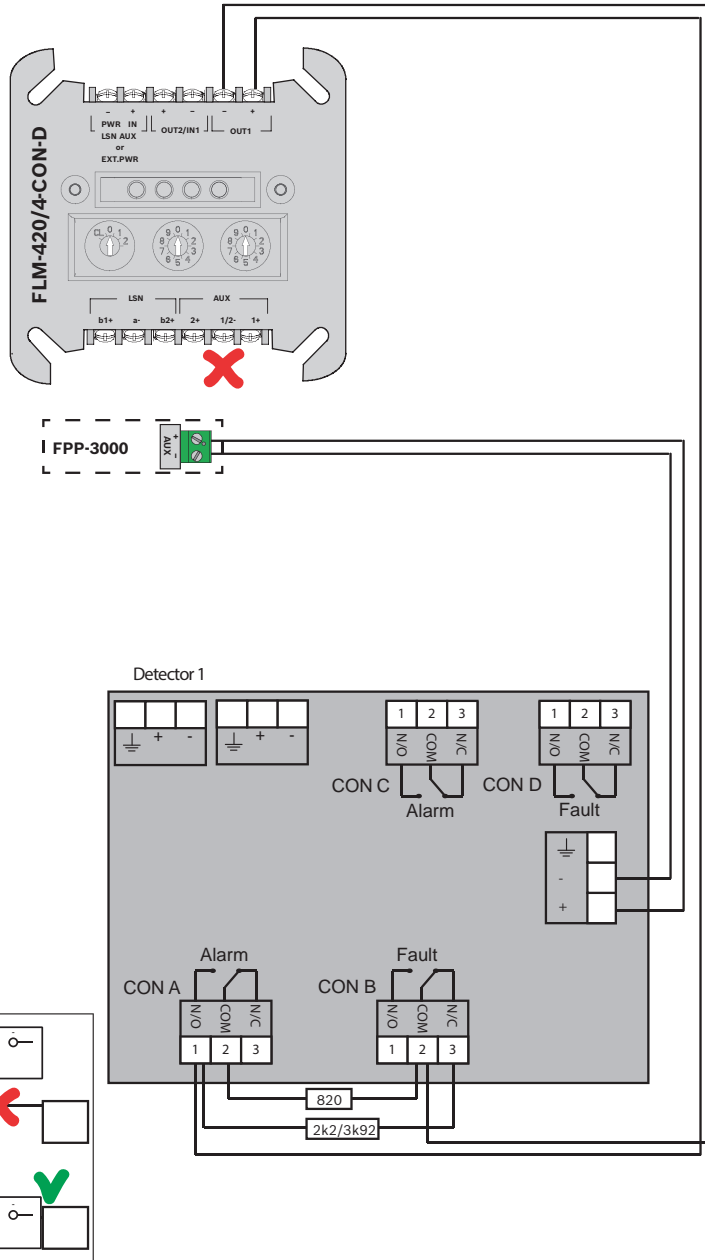


 **Reset action**



FIRERAY5000

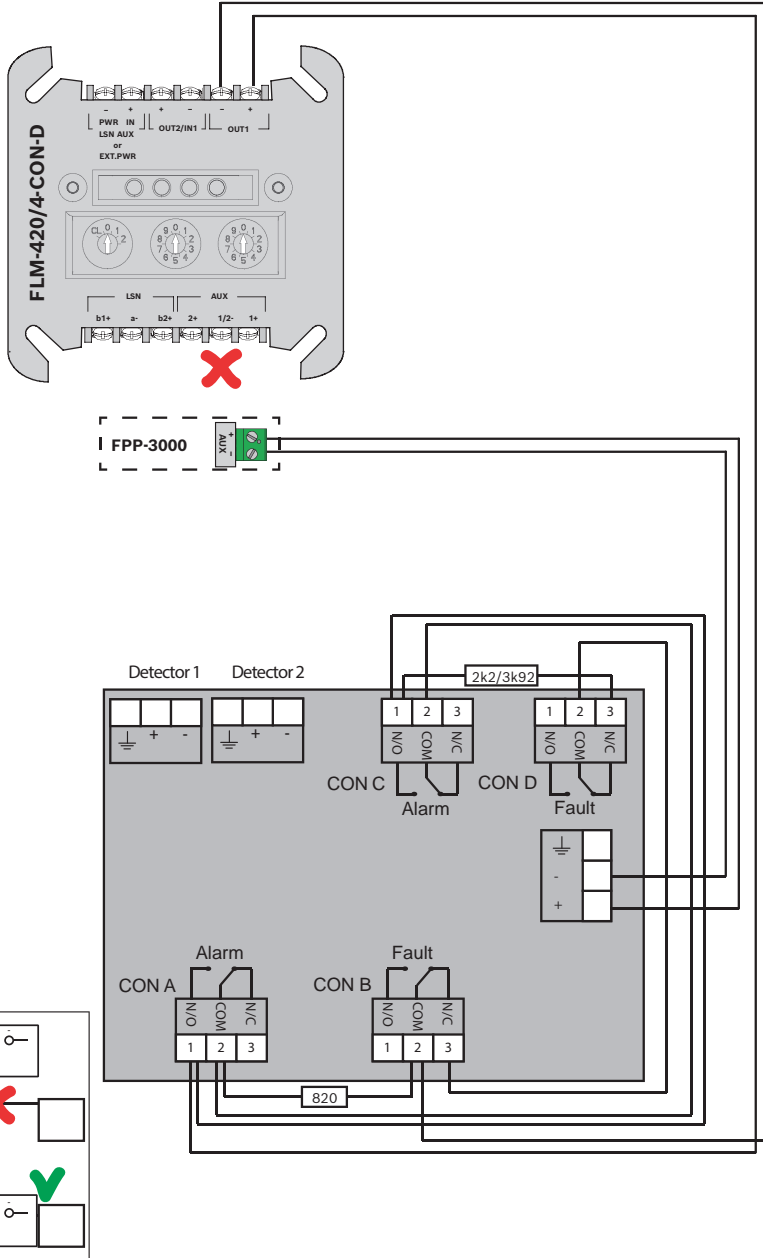
1 x



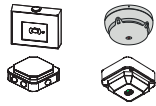


FIRERAY5000

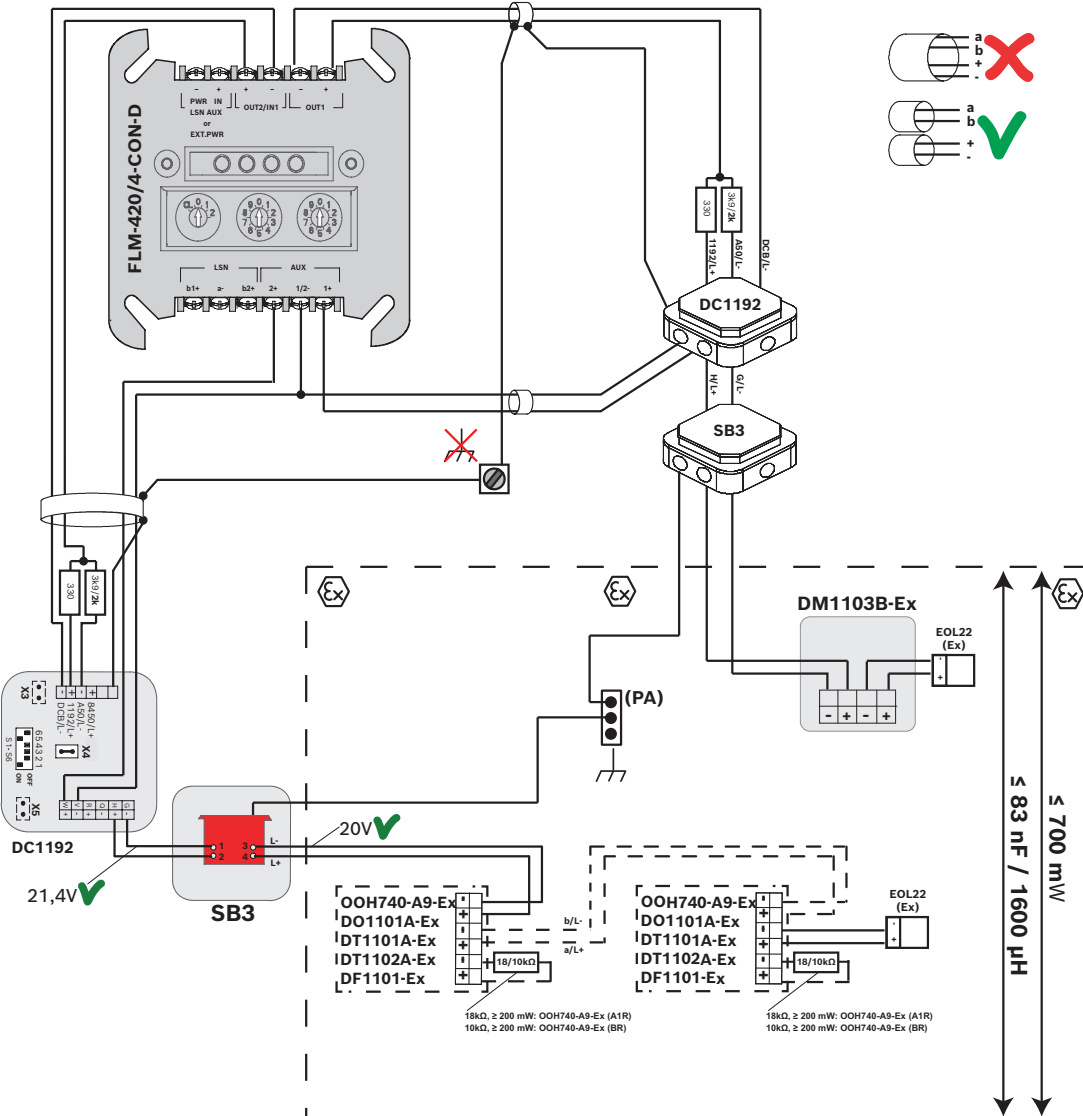
2 x OUT1



Reset action

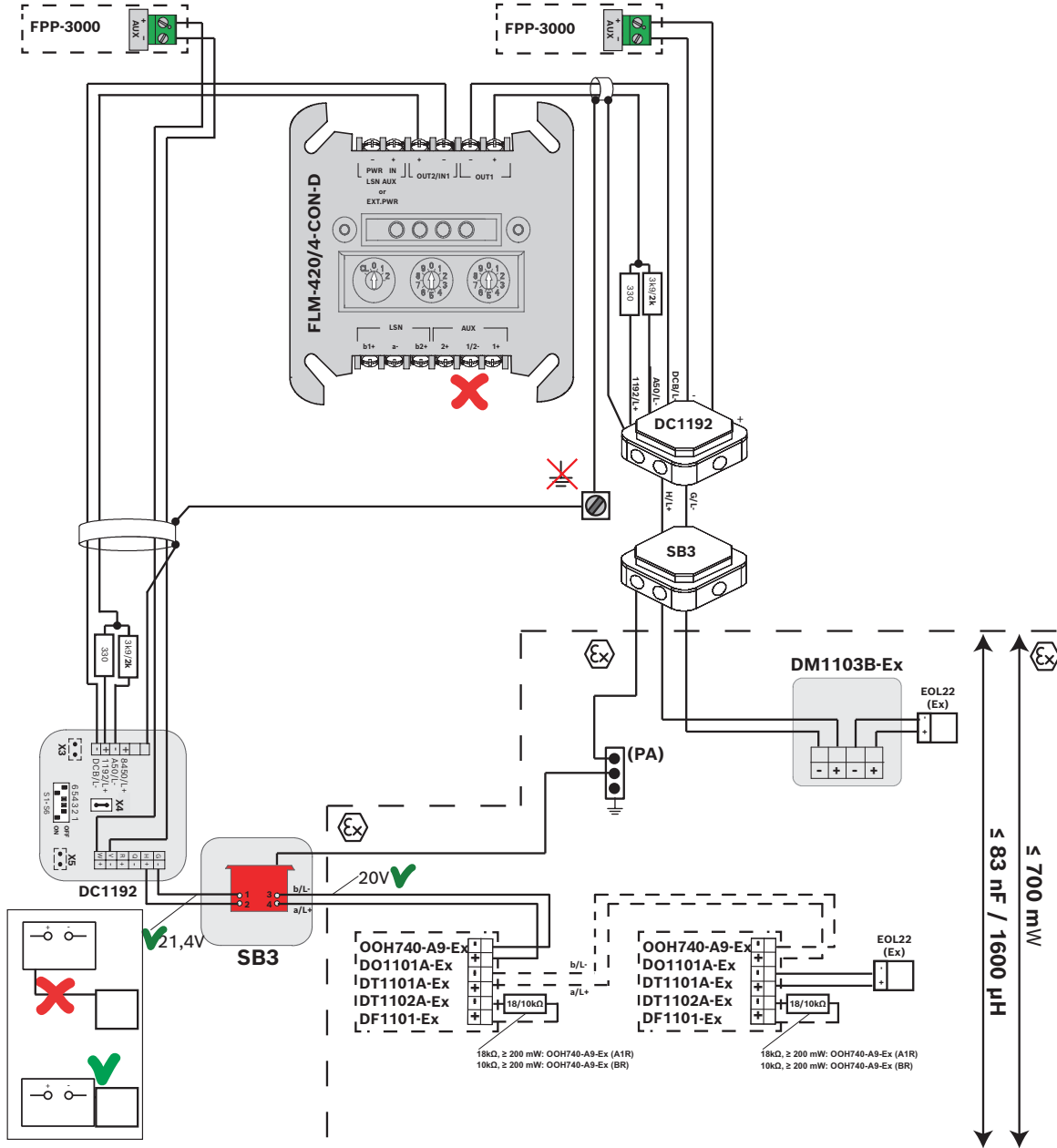


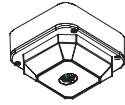
DC1192, SB3
OOH740-A9-Ex
DO1101A-Ex
DT1101A-Ex-
/DT1102A-Ex
DF1101-Ex



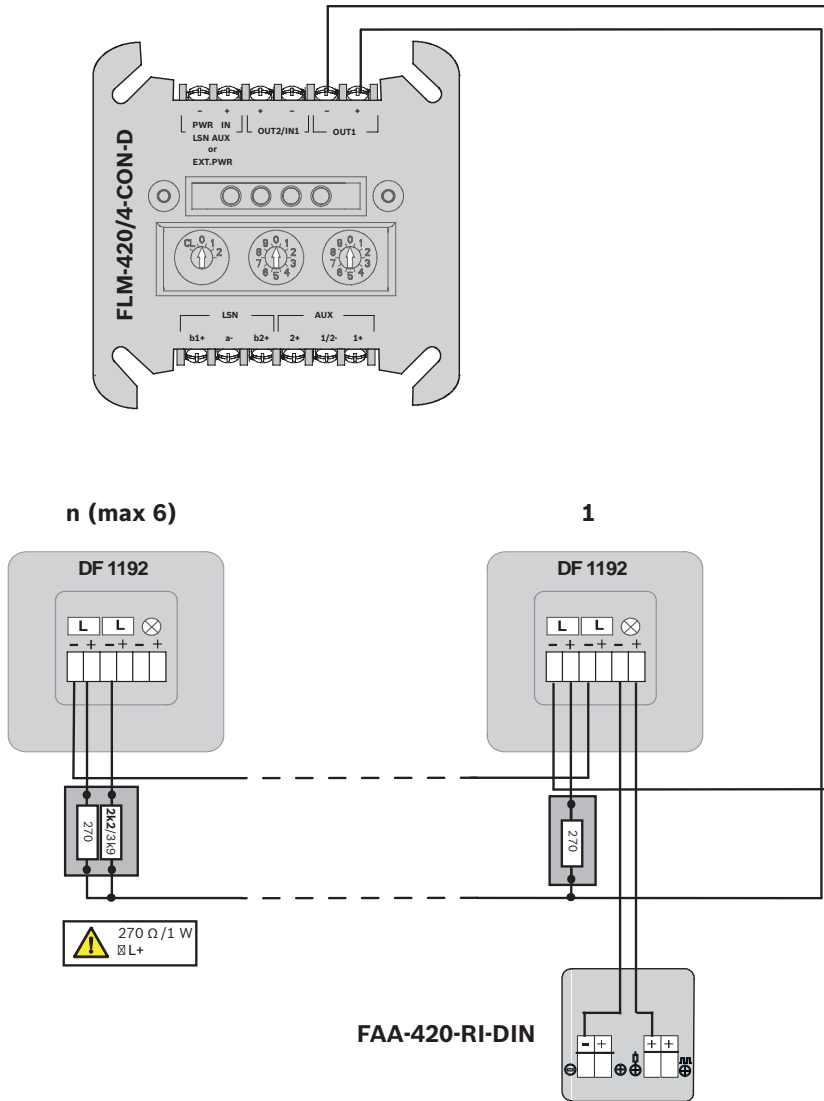


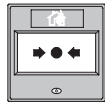
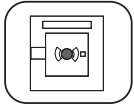
DC1192, SB3
 OOH740-A9-Ex
 DO1101A-Ex
 DT1101A-Ex/DT1102A-Ex
 DF1101-Ex
 DM1103B-Ex



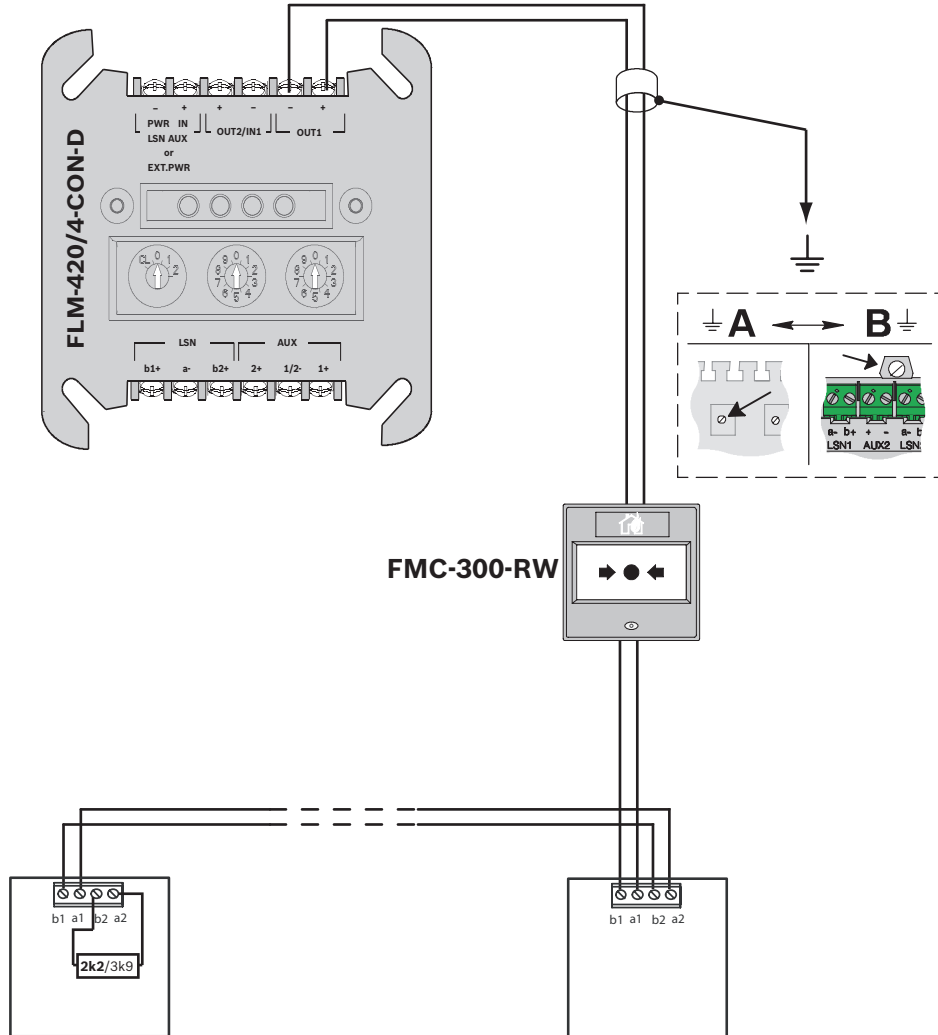
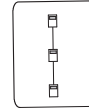


DF 1192



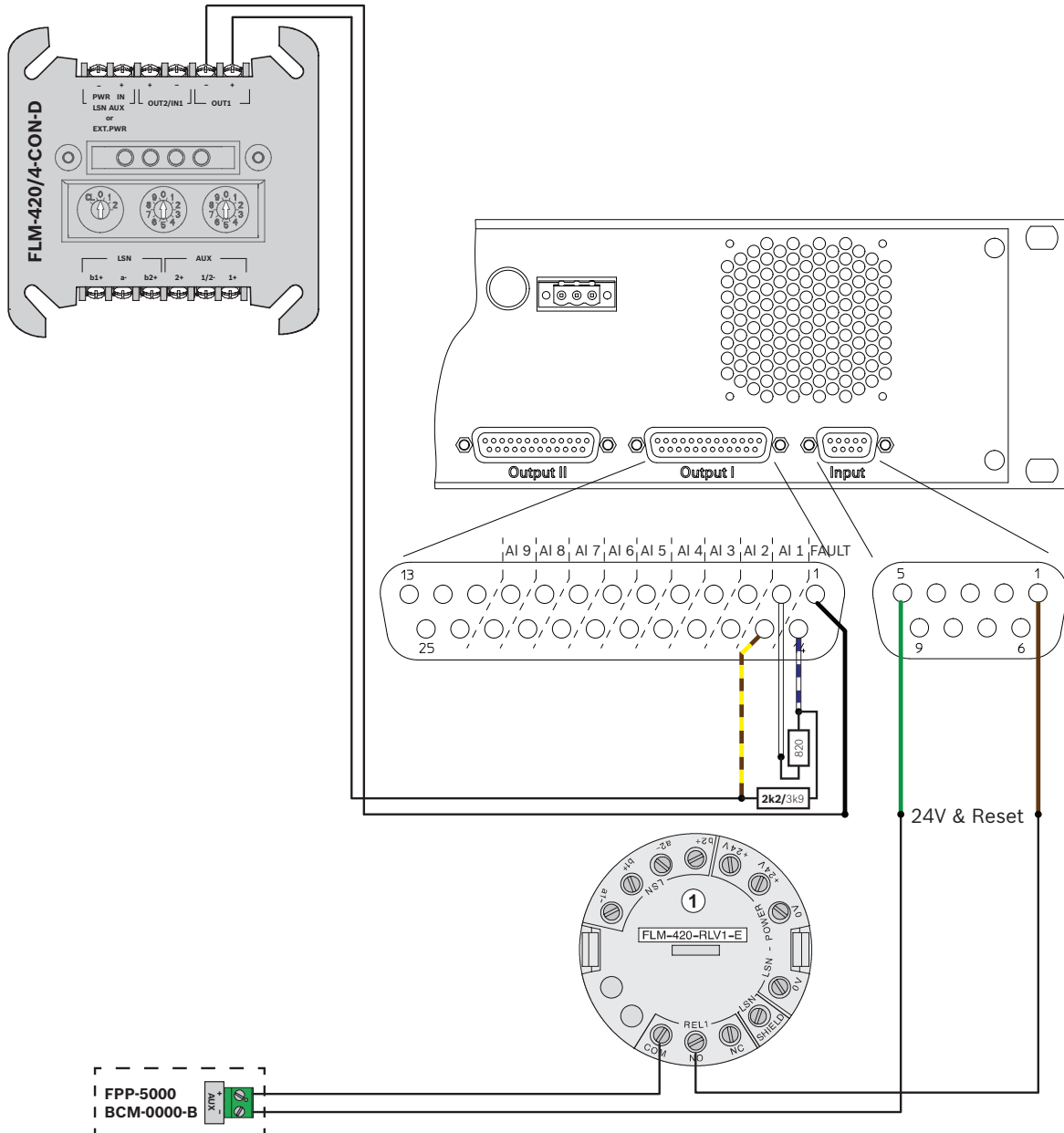


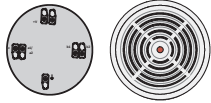
FMC-300-RW



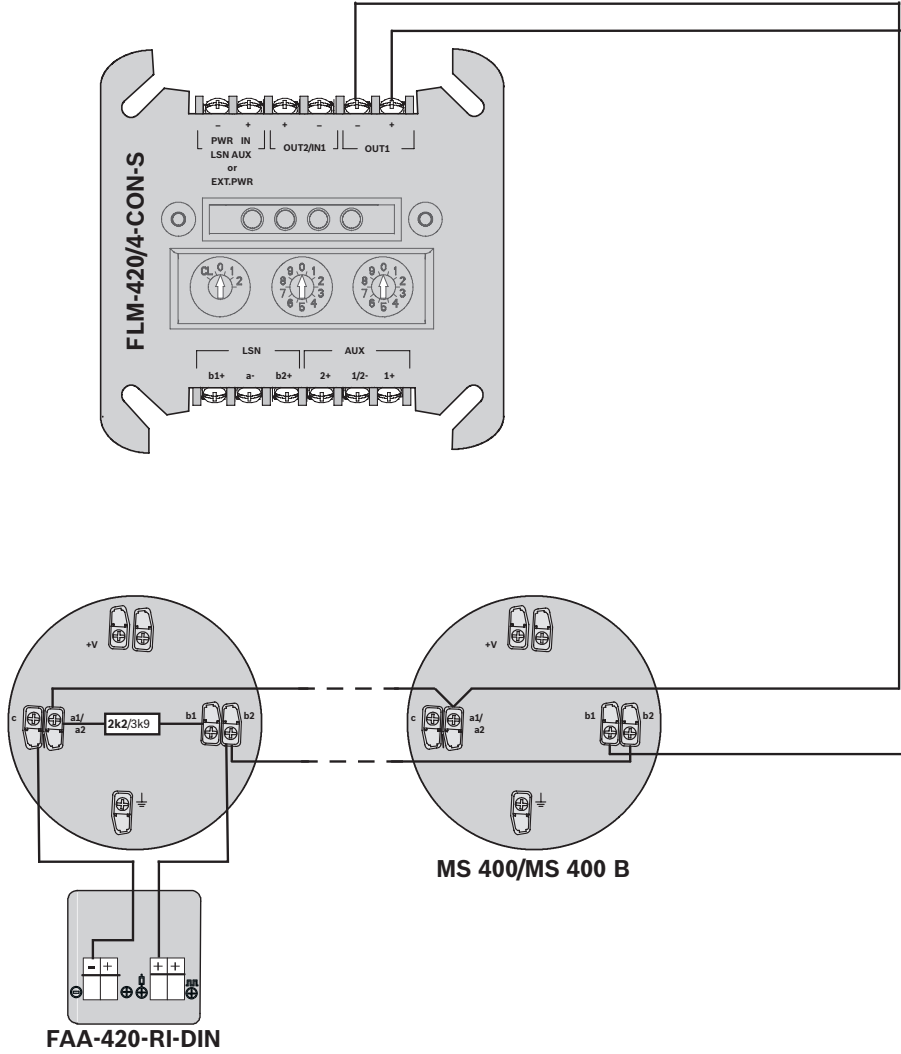


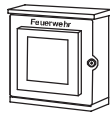
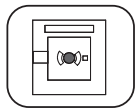
N4387A



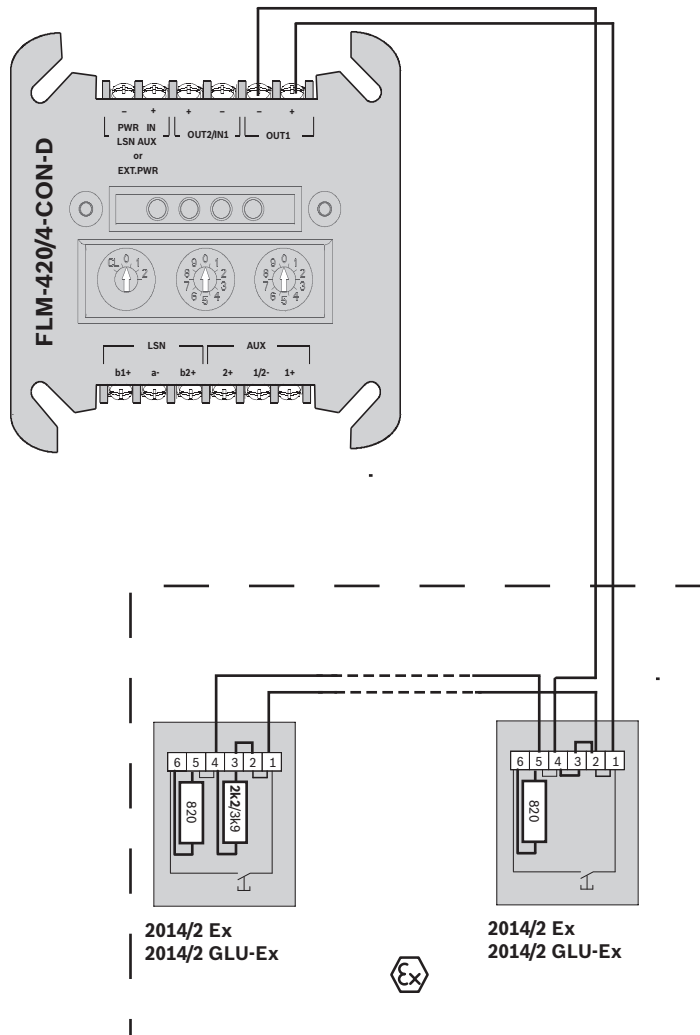
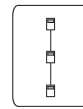


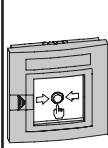
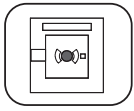
MSS 400, MSS 400 B
 FCH-320-T320
 FCH-T320-R470, FCH-T320-FSA
 FCP-O320, FCP-O320-R470
 FCP-OC320, FCP-OC320-R470
 FCP-OT320, FCP-OT320-R470



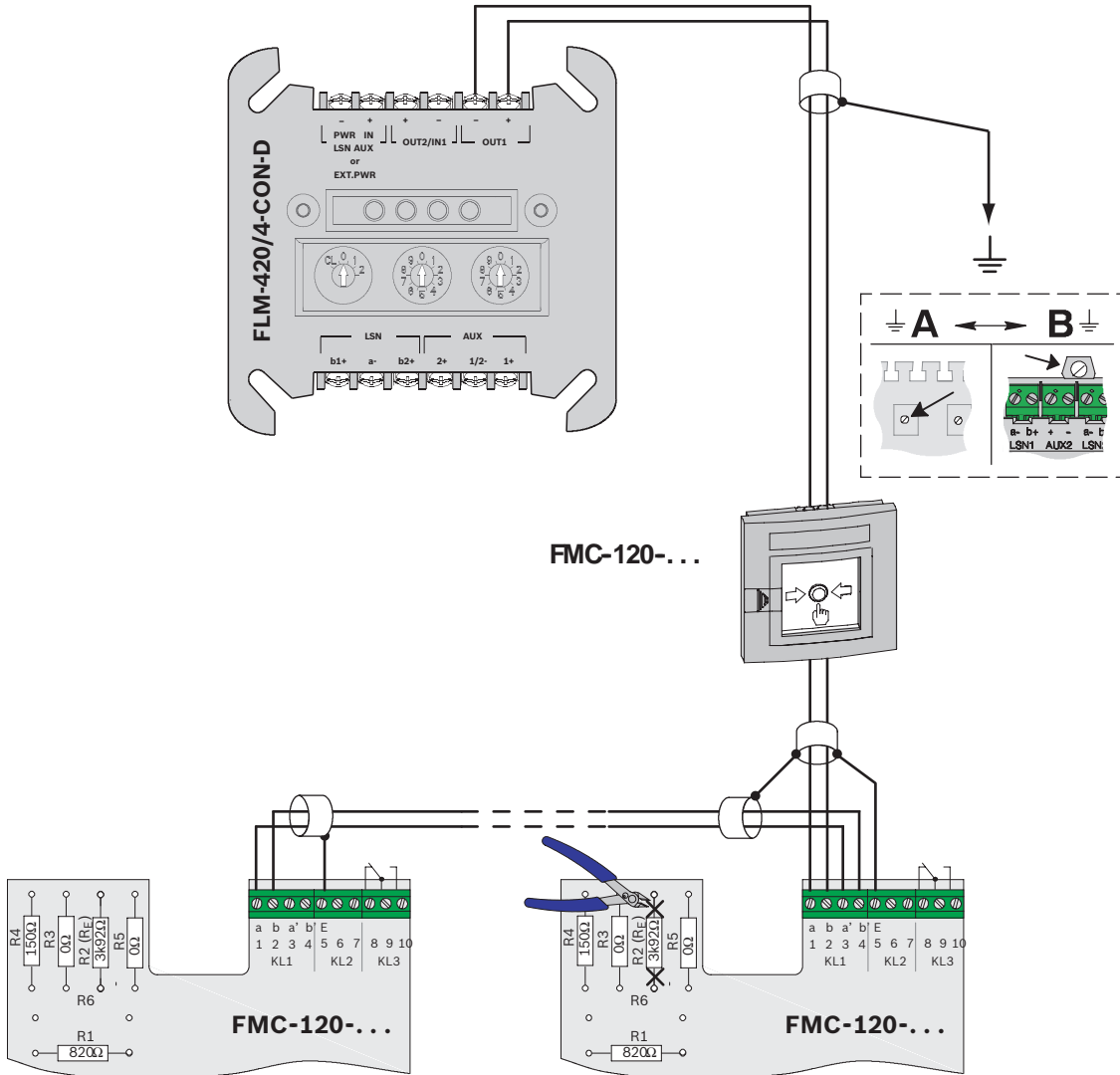
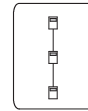


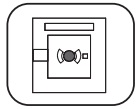
2014/2 Ex
2014/2 GLU-Ex



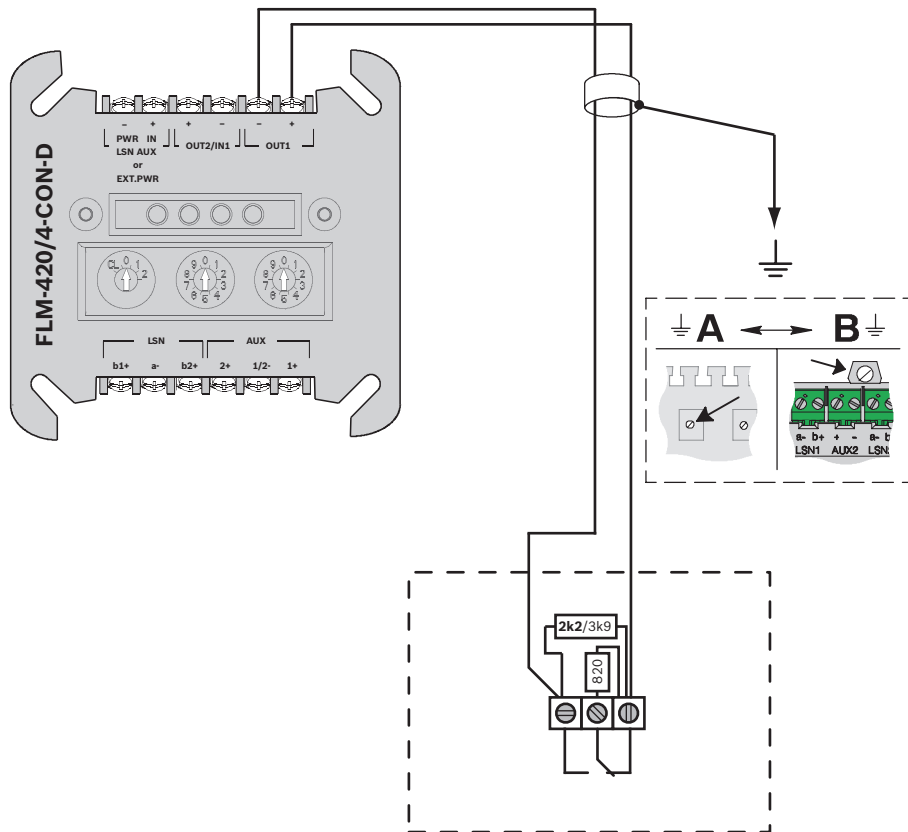
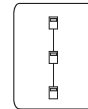


FMC-120-DKM-G-R FMC-120-DKM-G-Y
FMC-120-DKM-H-R FMC-120-EST-G-B
FMC-120-DKM-G-B
FMC-120-DKM-H-B



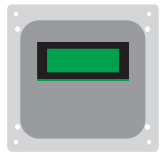


NO



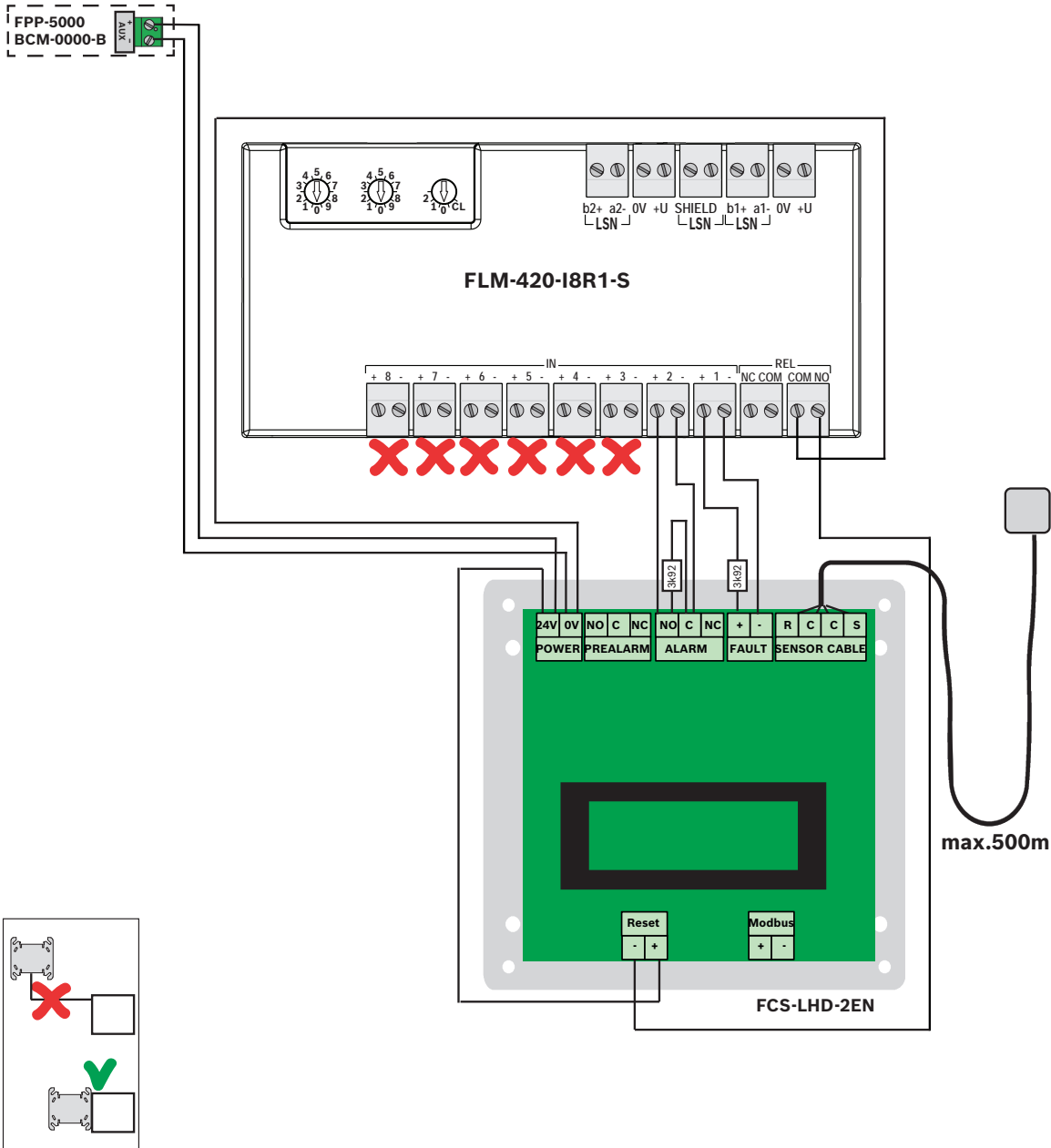
2.5.2

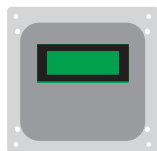
FLM-420-I8R1-S



ProReact EN Analogue

FCS-LHD-2EN





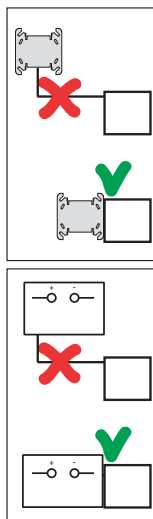
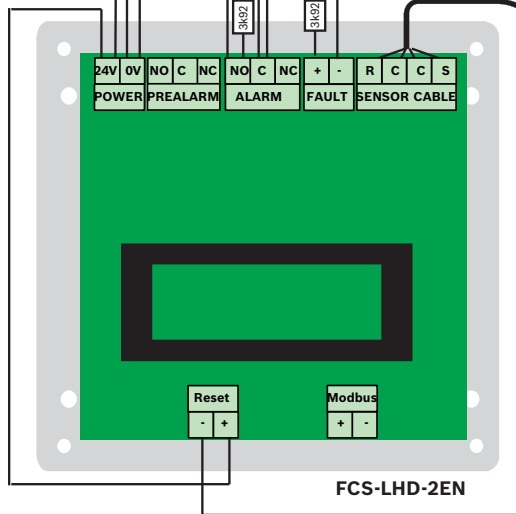
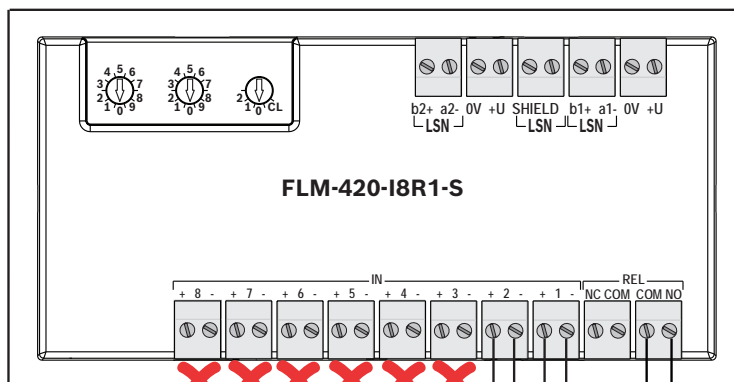
ProReact EN Analogue

FCS-LHD-2EN

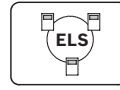


ELS

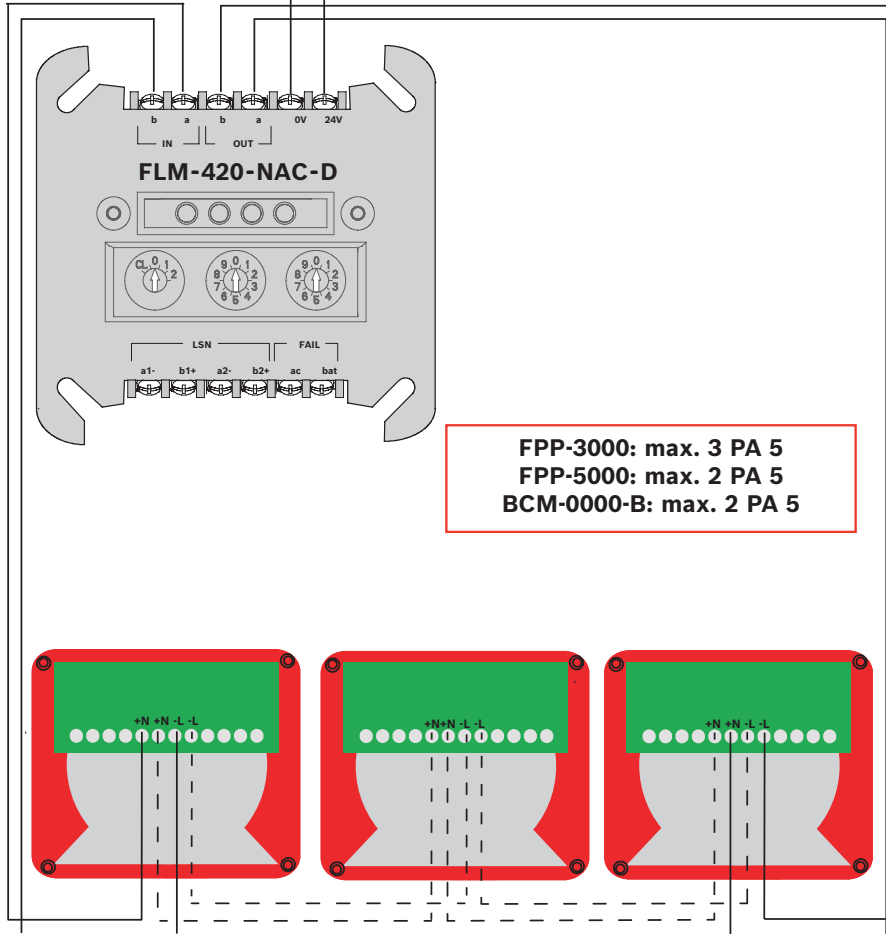
FPP-3000(ZSP135-DR)
FPP-5000
BCM-0000-B



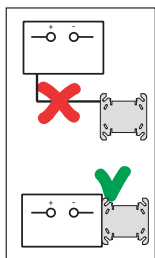
2.5.3 FLM-420-NAC-D/S



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

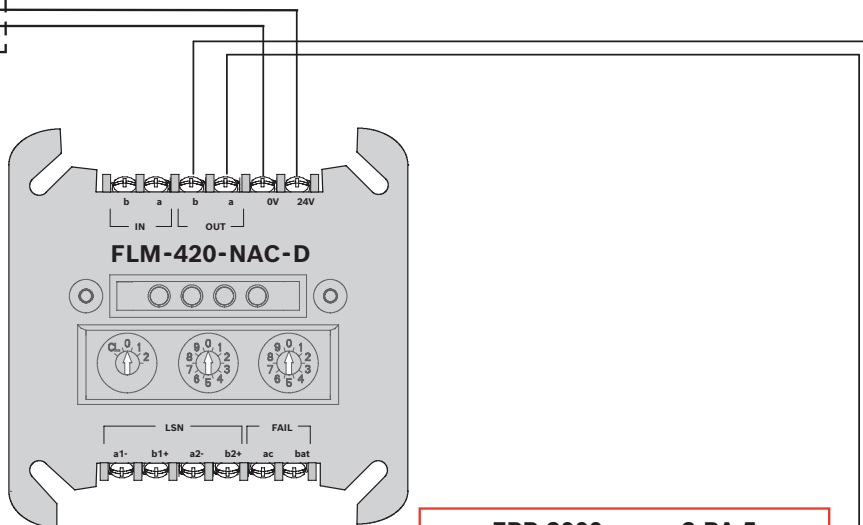


FPP-3000: max. 3 PA 5
FPP-5000: max. 2 PA 5
BCM-0000-B: max. 2 PA 5

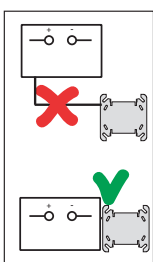
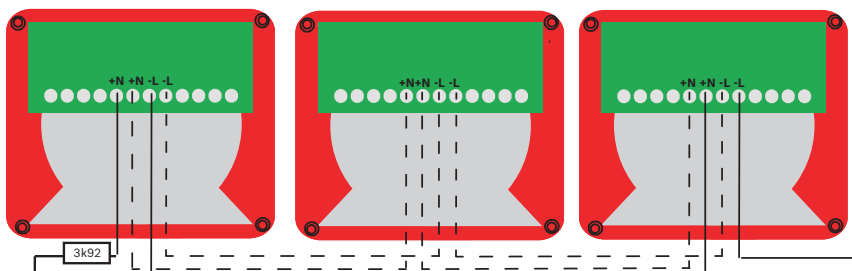


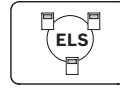


FPP-3000
FPP-5000
BCM-0000-B

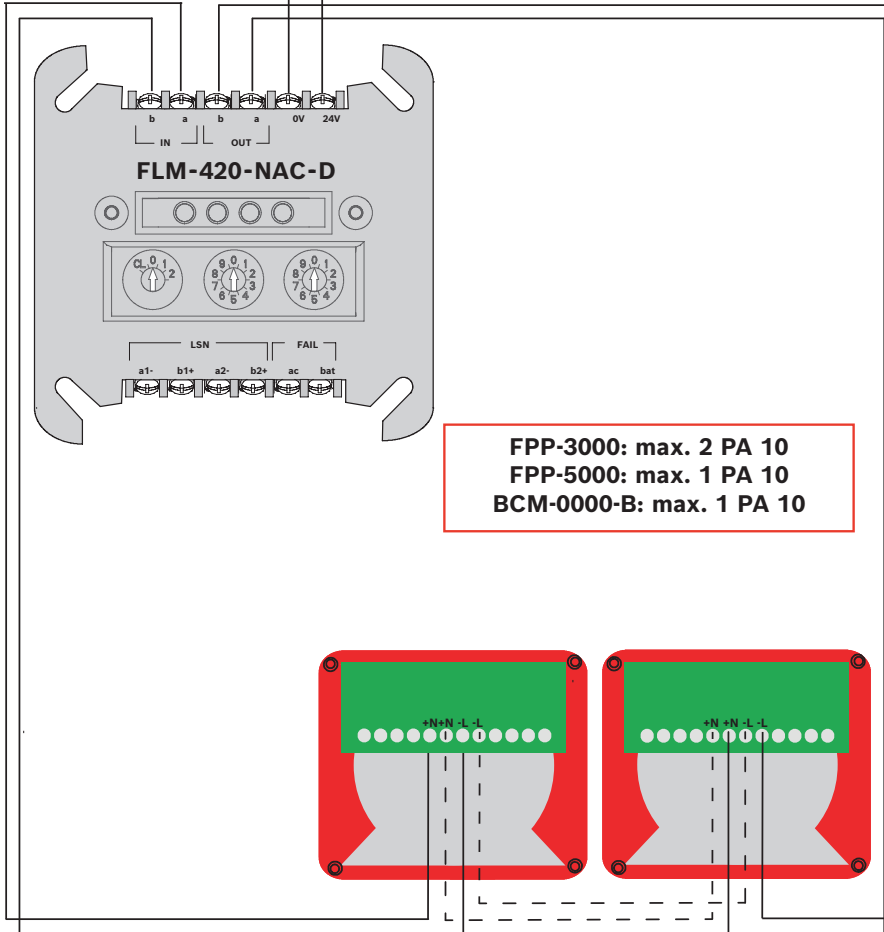


FPP-3000: max. 3 PA 5
FPP-5000: max. 2 PA 5
BCM-0000-B: max. 2 PA 5

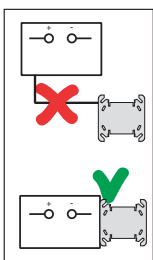




FPP-3000(ZSP135-DR)
FPP-5000
BCM-0000-B

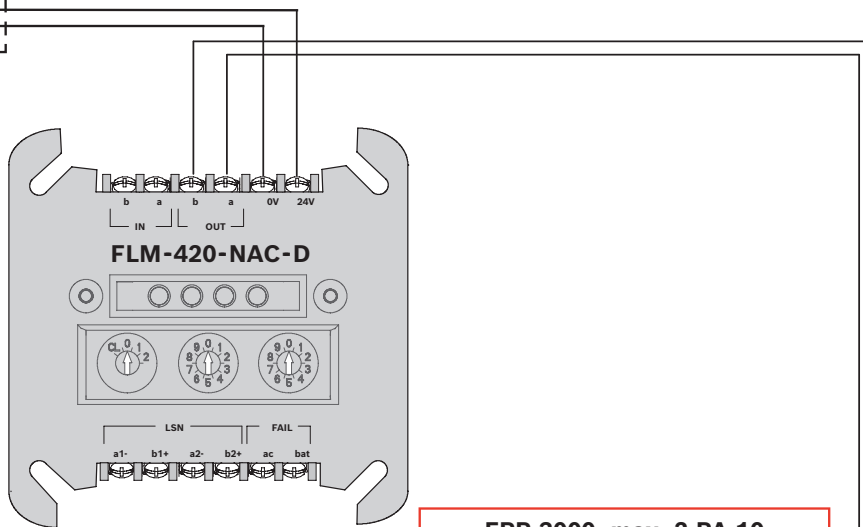


FPP-3000: max. 2 PA 10
FPP-5000: max. 1 PA 10
BCM-0000-B: max. 1 PA 10

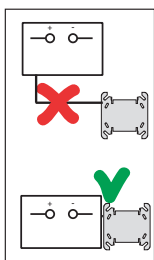
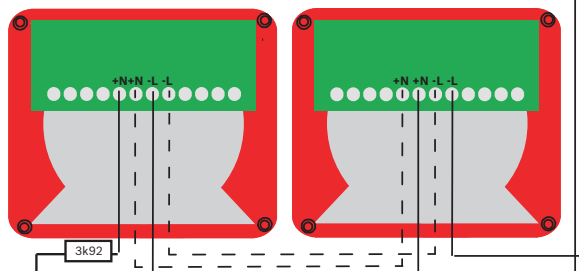


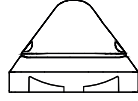


FPP-3000
FPP-5000
BCM-0000-B

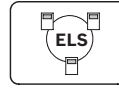


FPP-3000: max. 2 PA 10
FPP-5000: max. 1 PA 10
BCM-0000-B: max. 1 PA 10

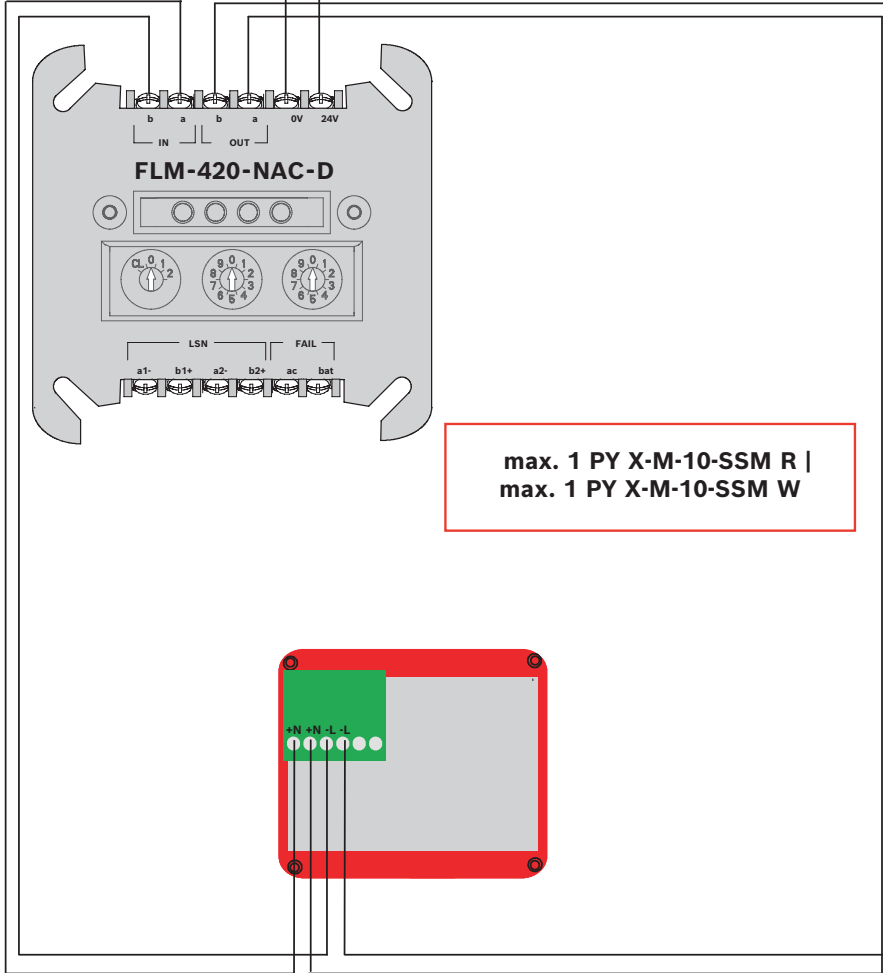




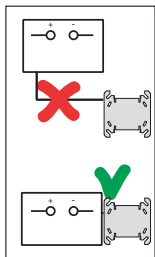
PY X-M-10-SSM R
PY X-M-10-SSM W

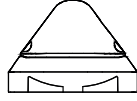


FPP-3000(ZSP-135-DR)
FPP-5000
BCM-0000-B



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

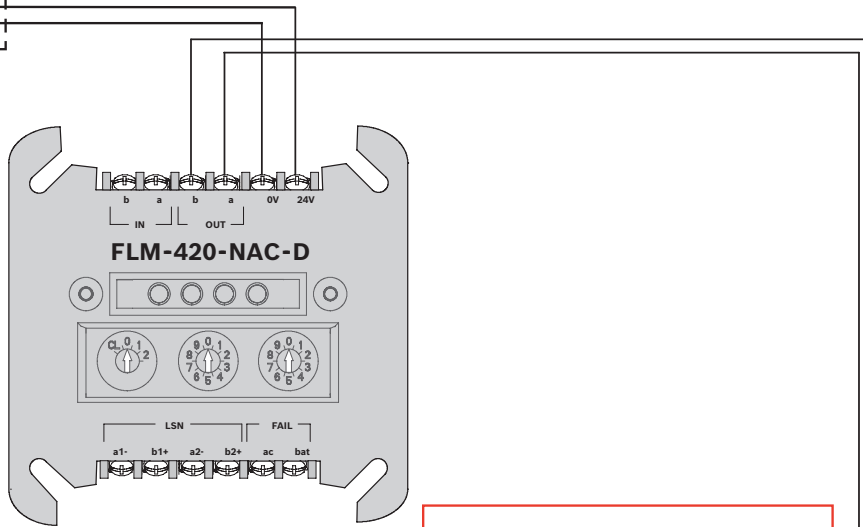




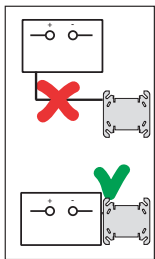
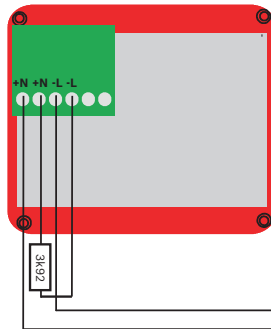
PY X-M-10-SSM R
PY X-M-10-SSM W



FPP-3000
FPP-5000
BCM-0000-B

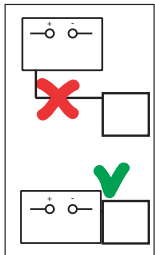
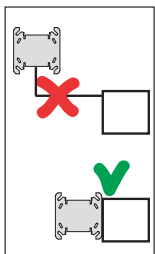
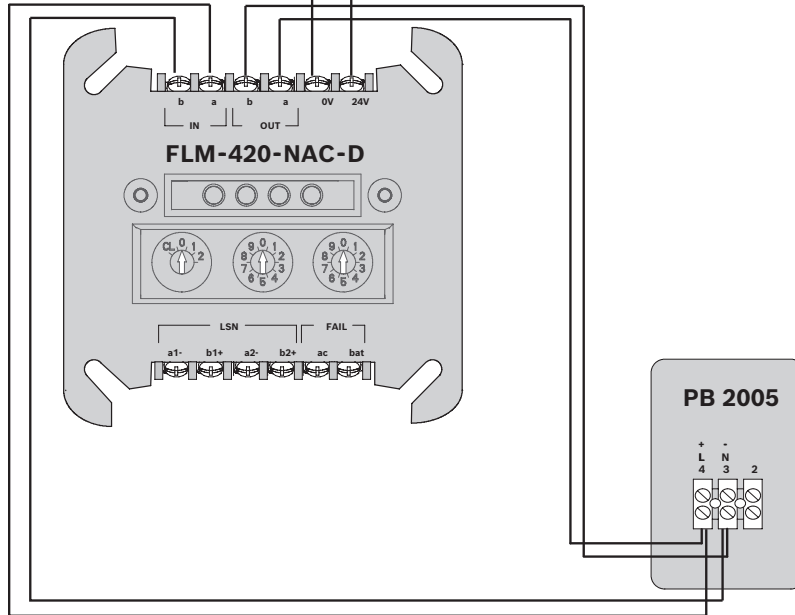
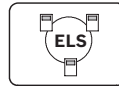


max. 1 PY X-M-10-SSM R |
max. 1 PY X-M-10-SSM W



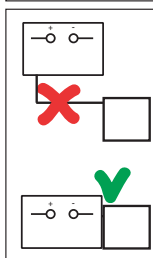
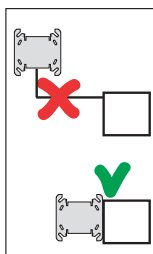
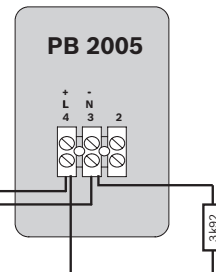
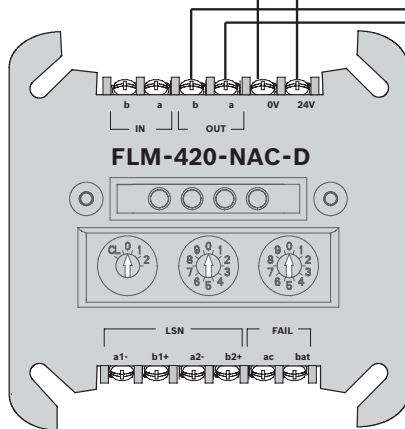


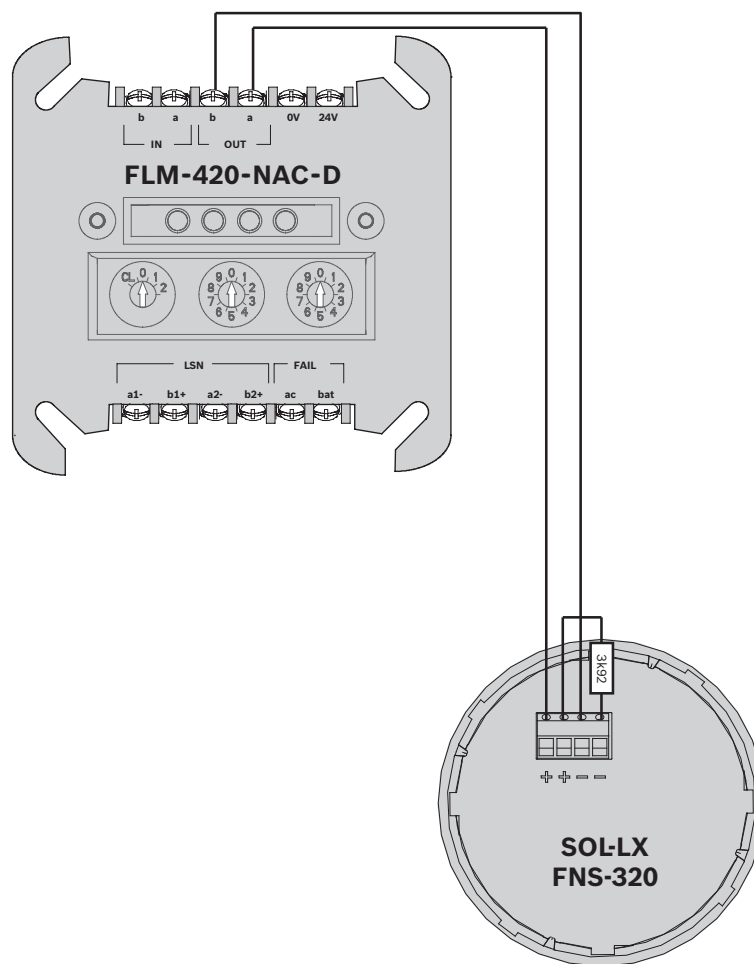
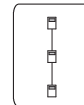
PB 2005

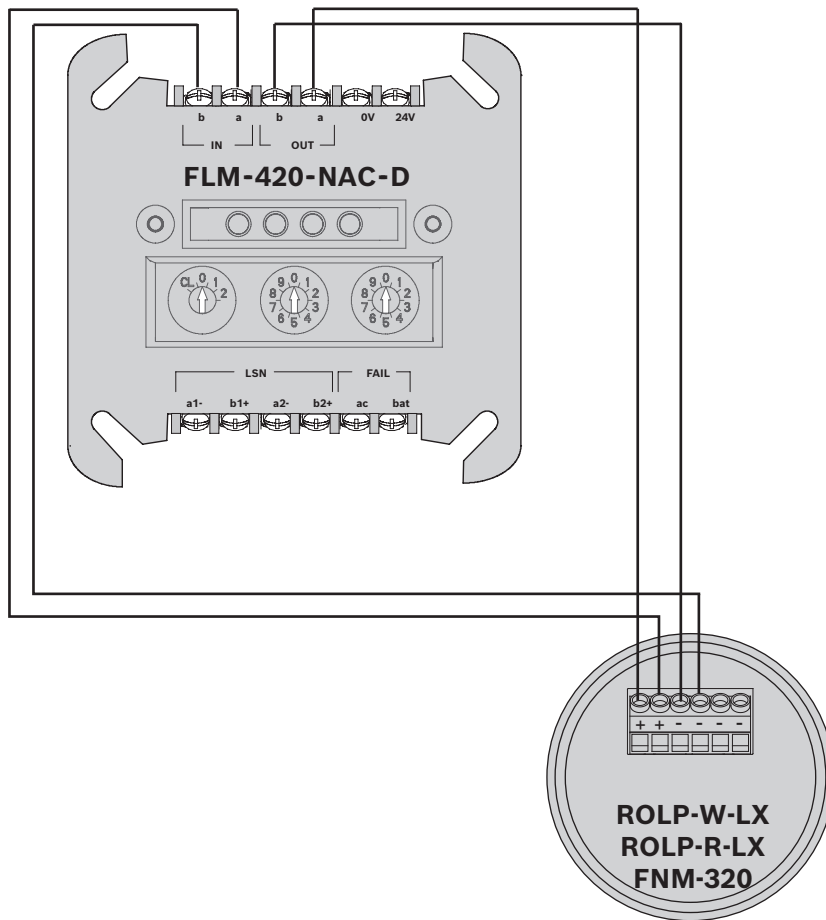
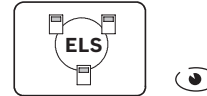


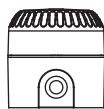


PB 2005

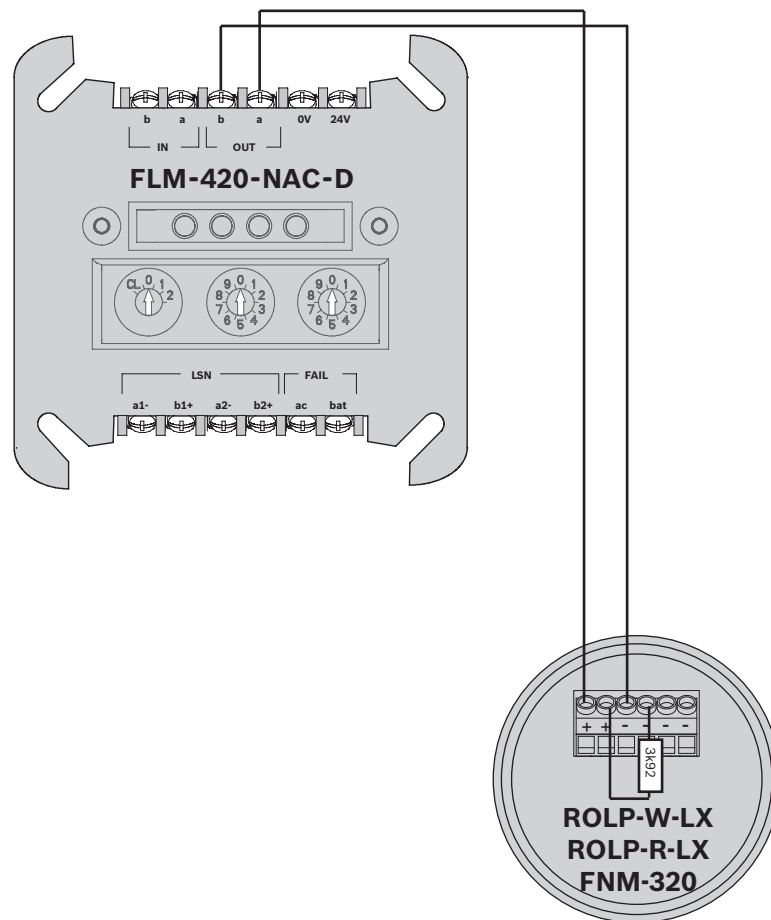
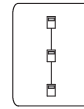




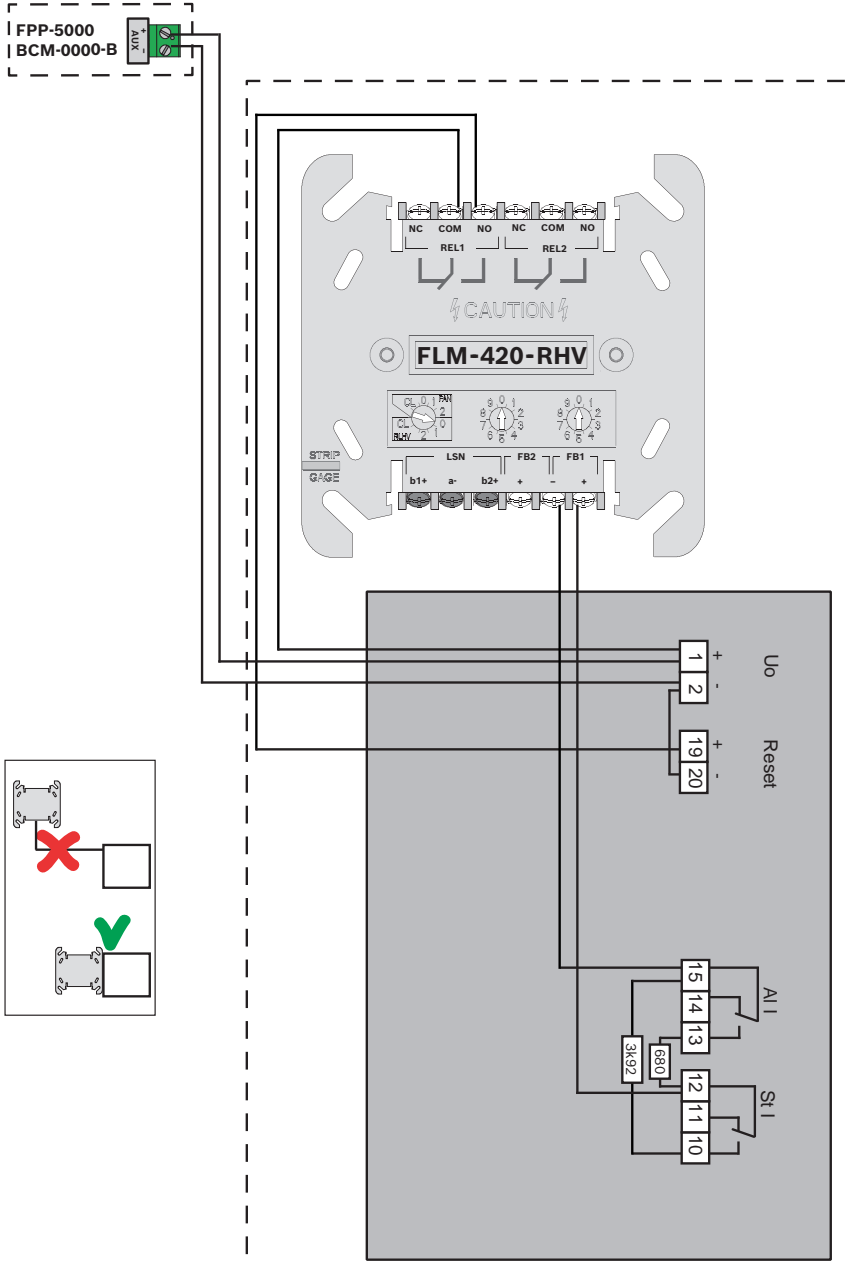




ROLP-W-LX
ROLP-R-LX
FNM-320

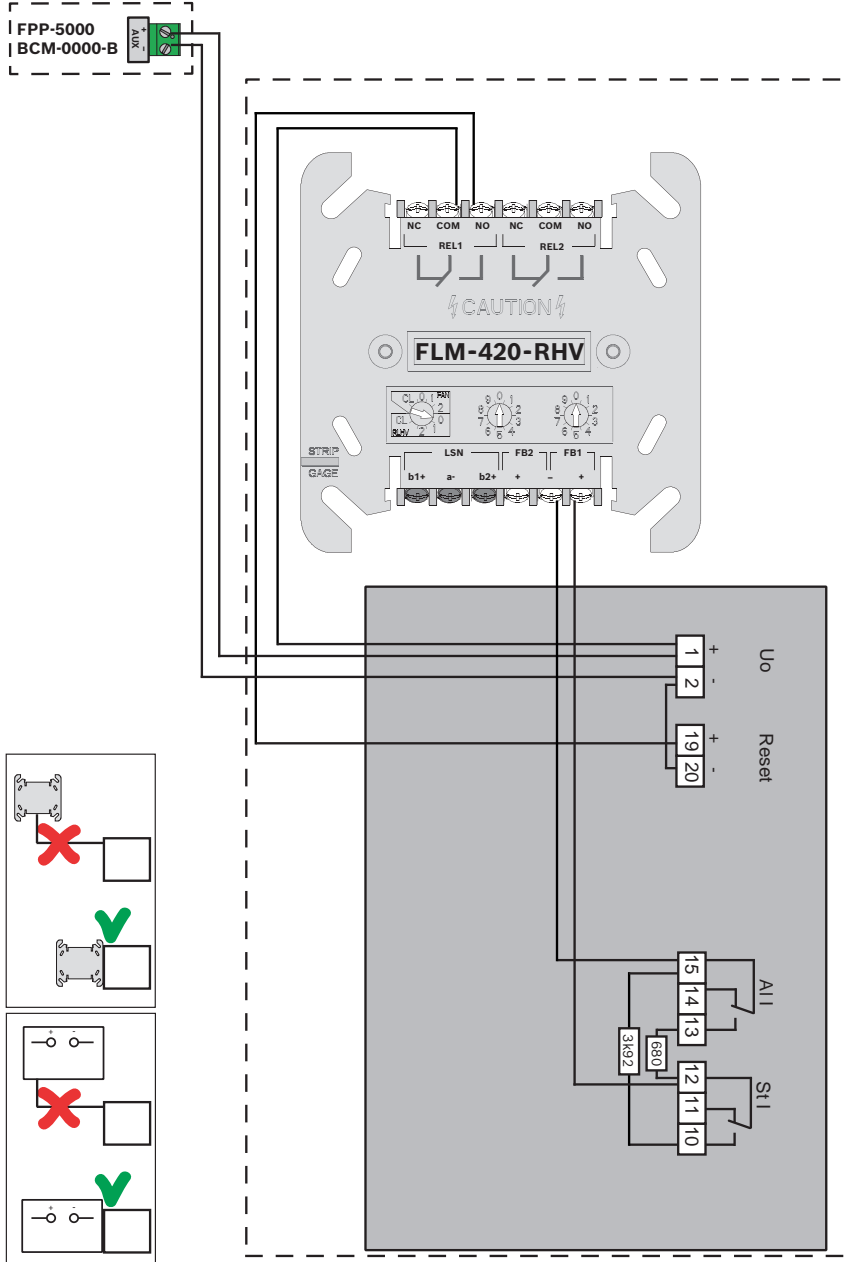


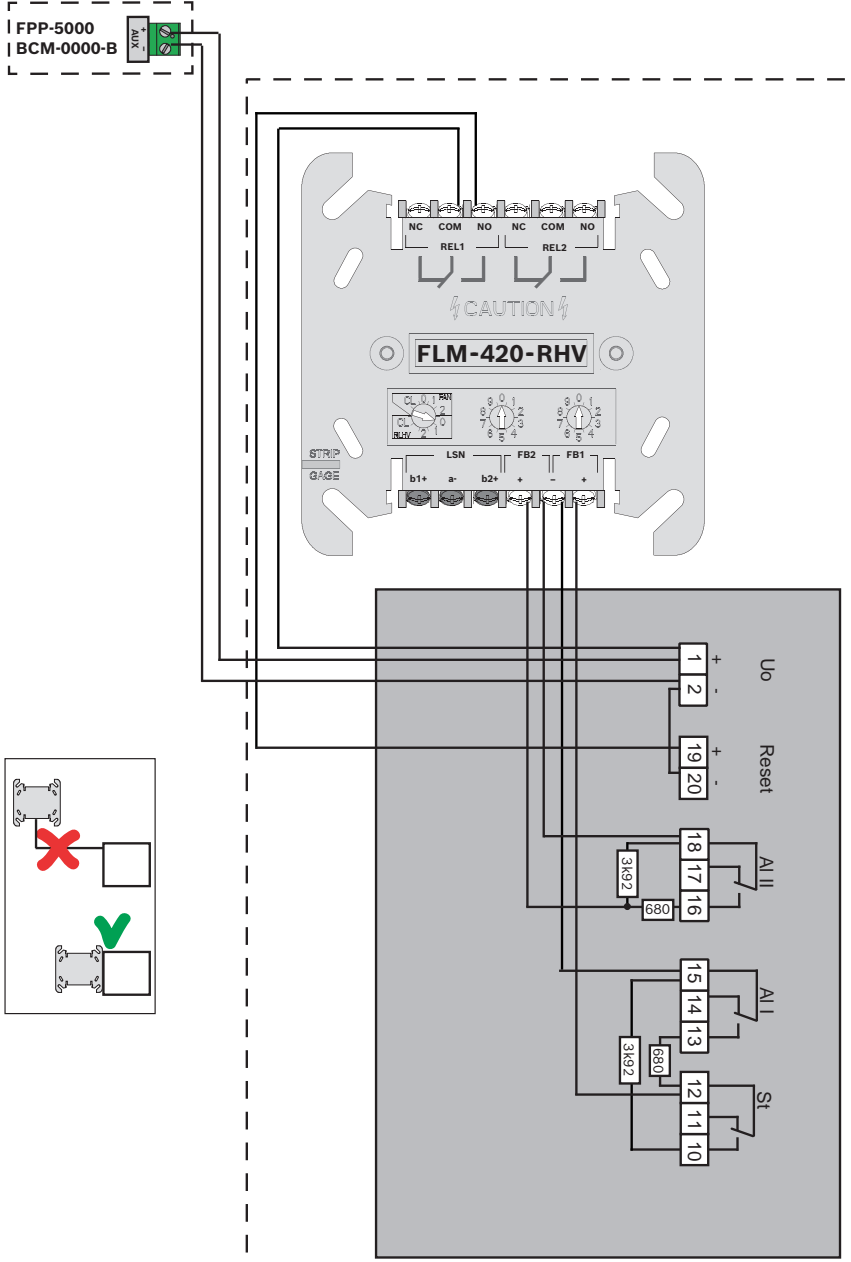
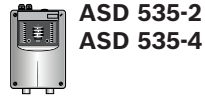
2.5.4 FLM-420-RHV





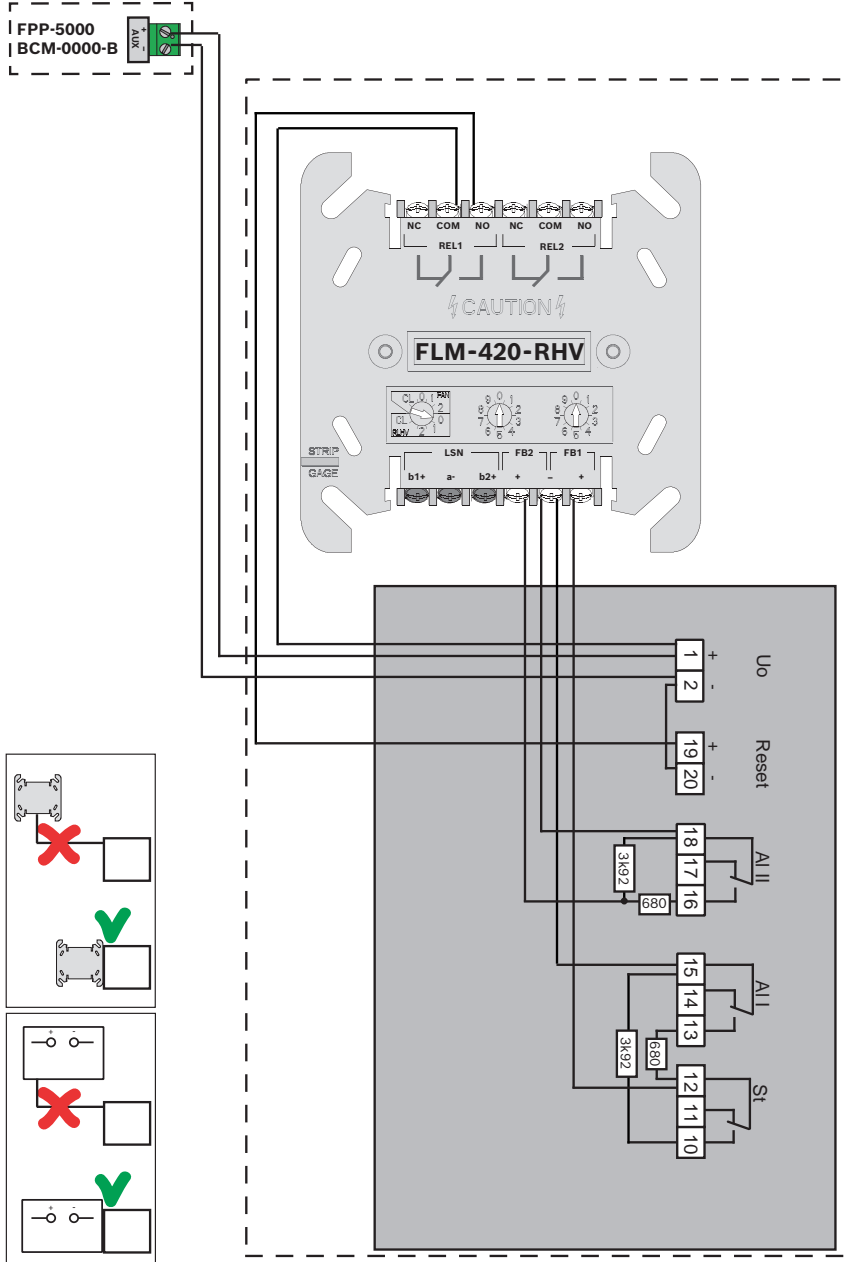
ELS

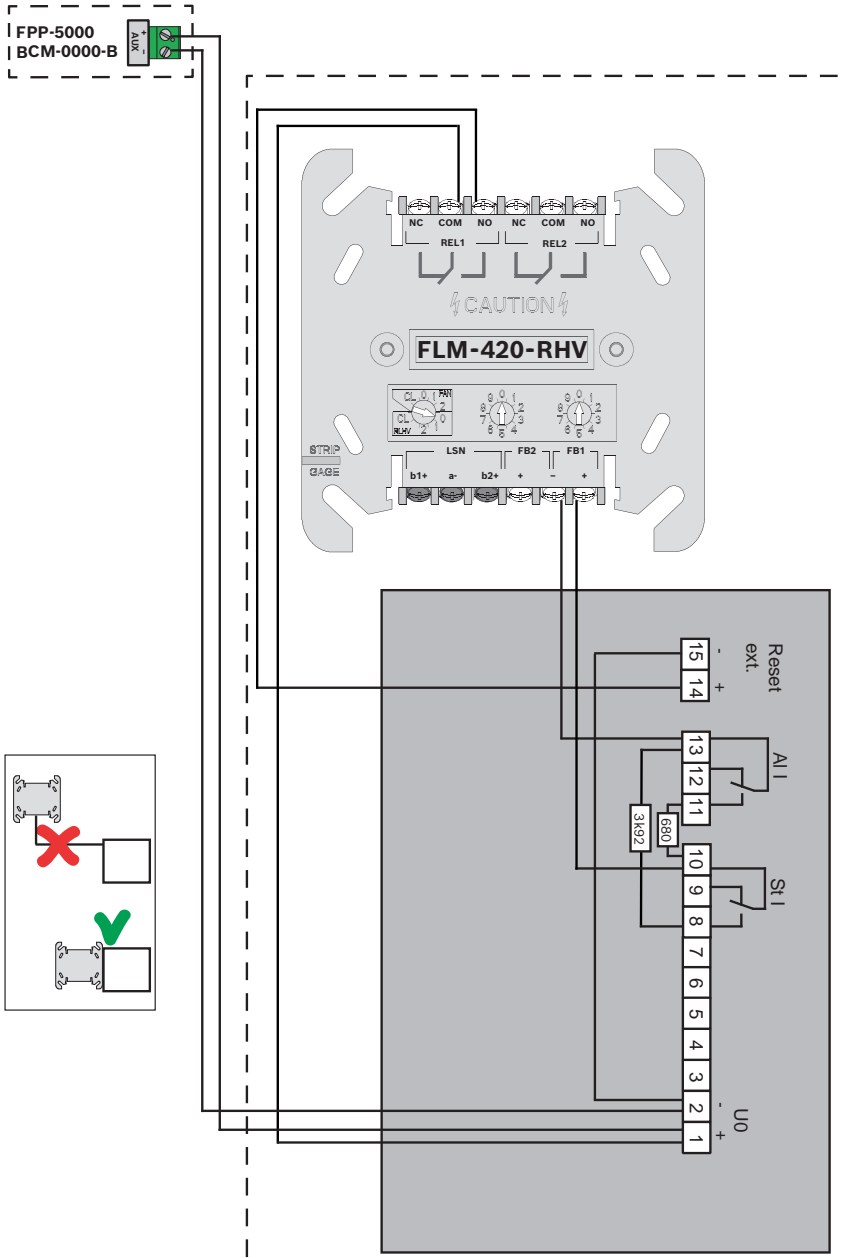






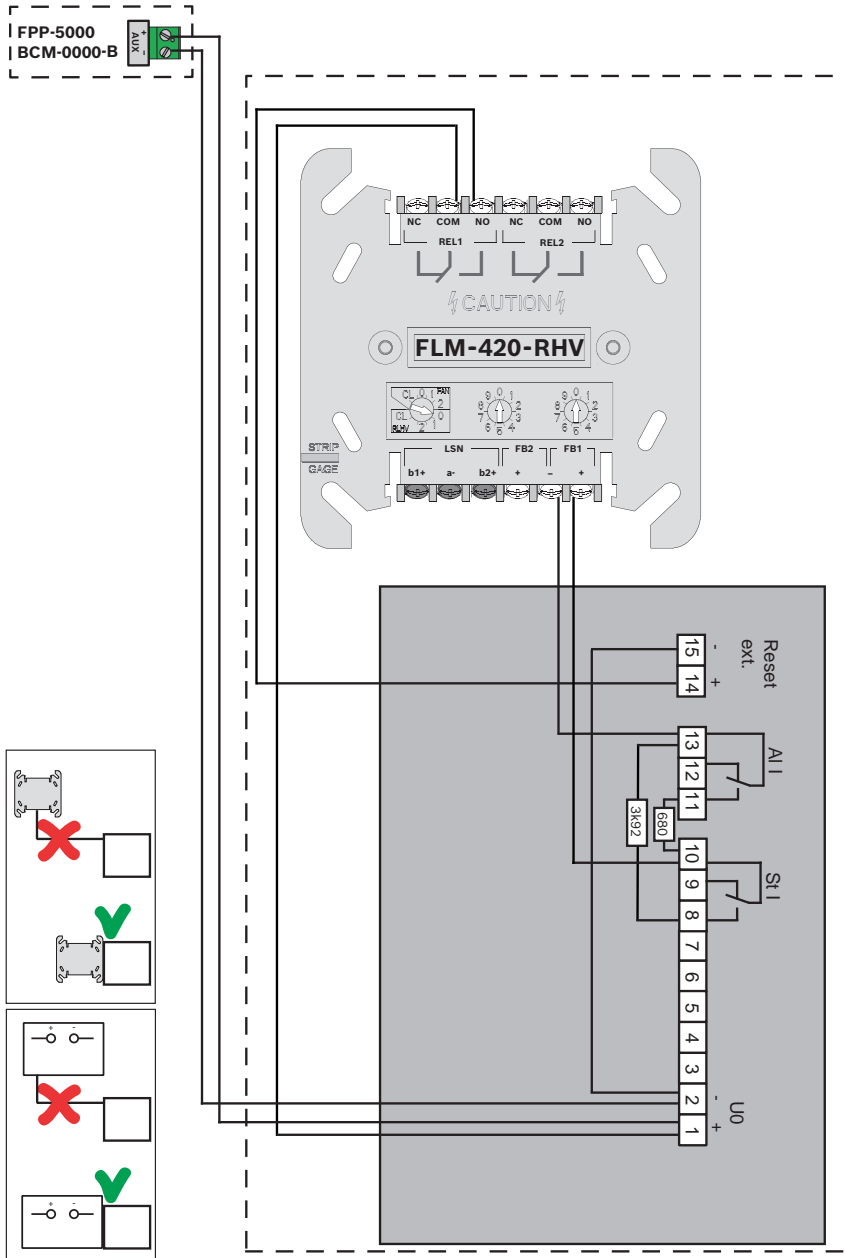
ELS





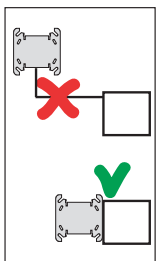
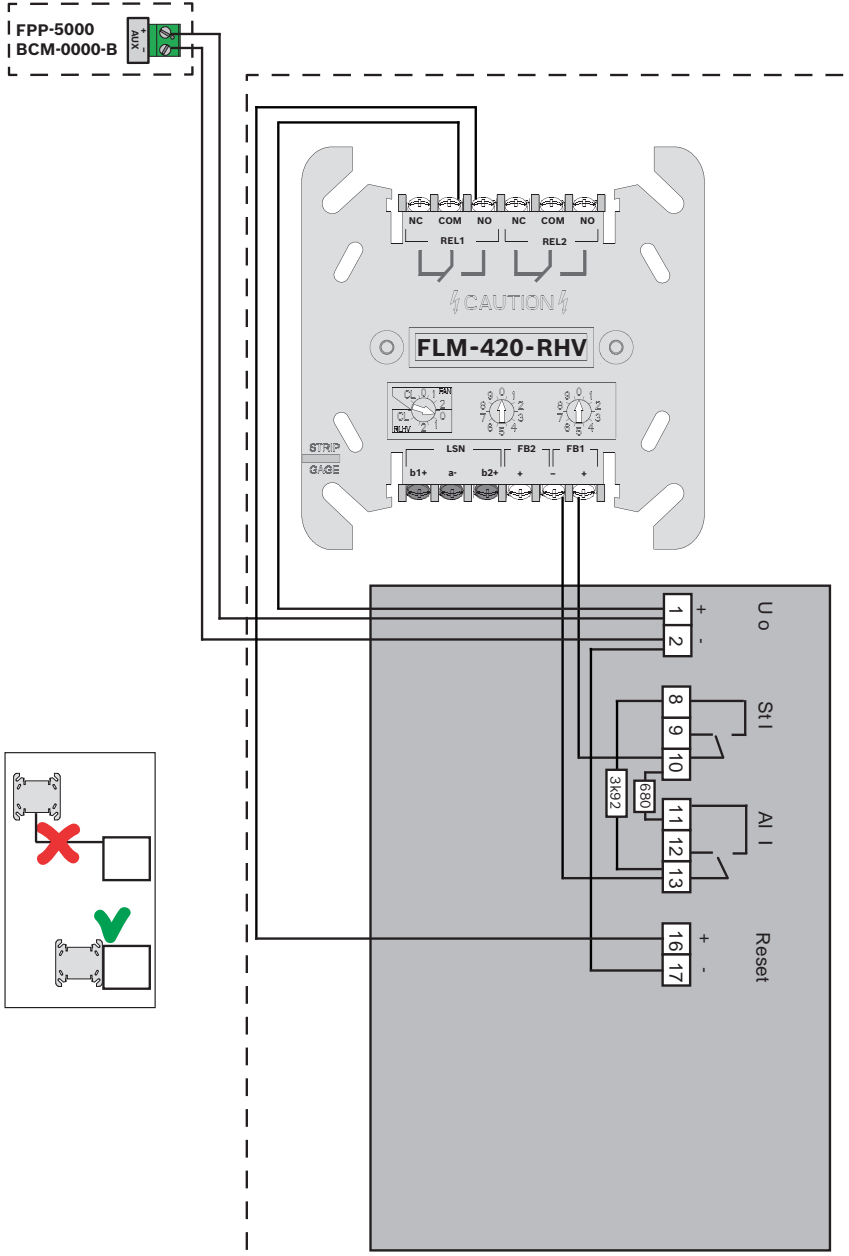


ELS





ADW 535-1

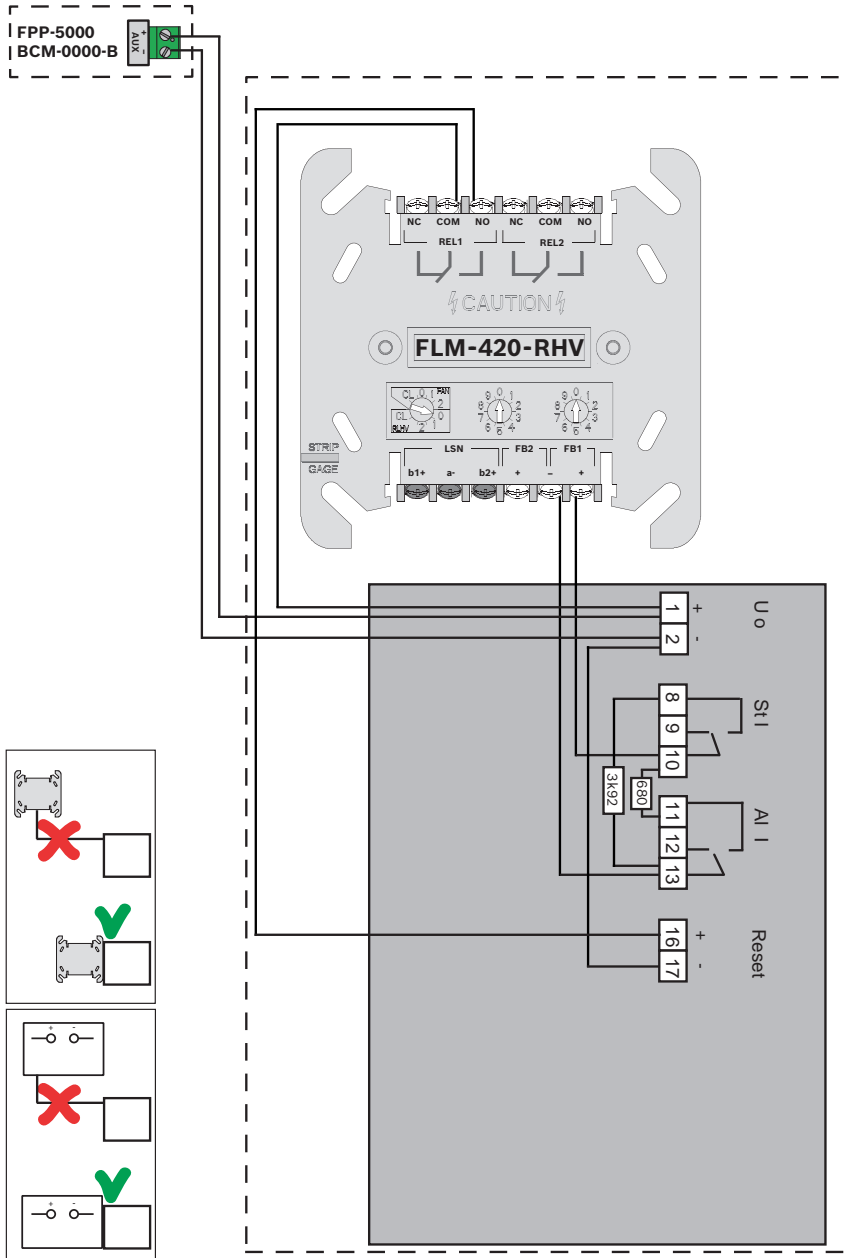




ADW 535-1

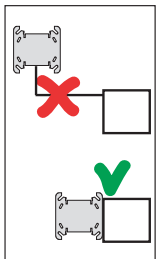
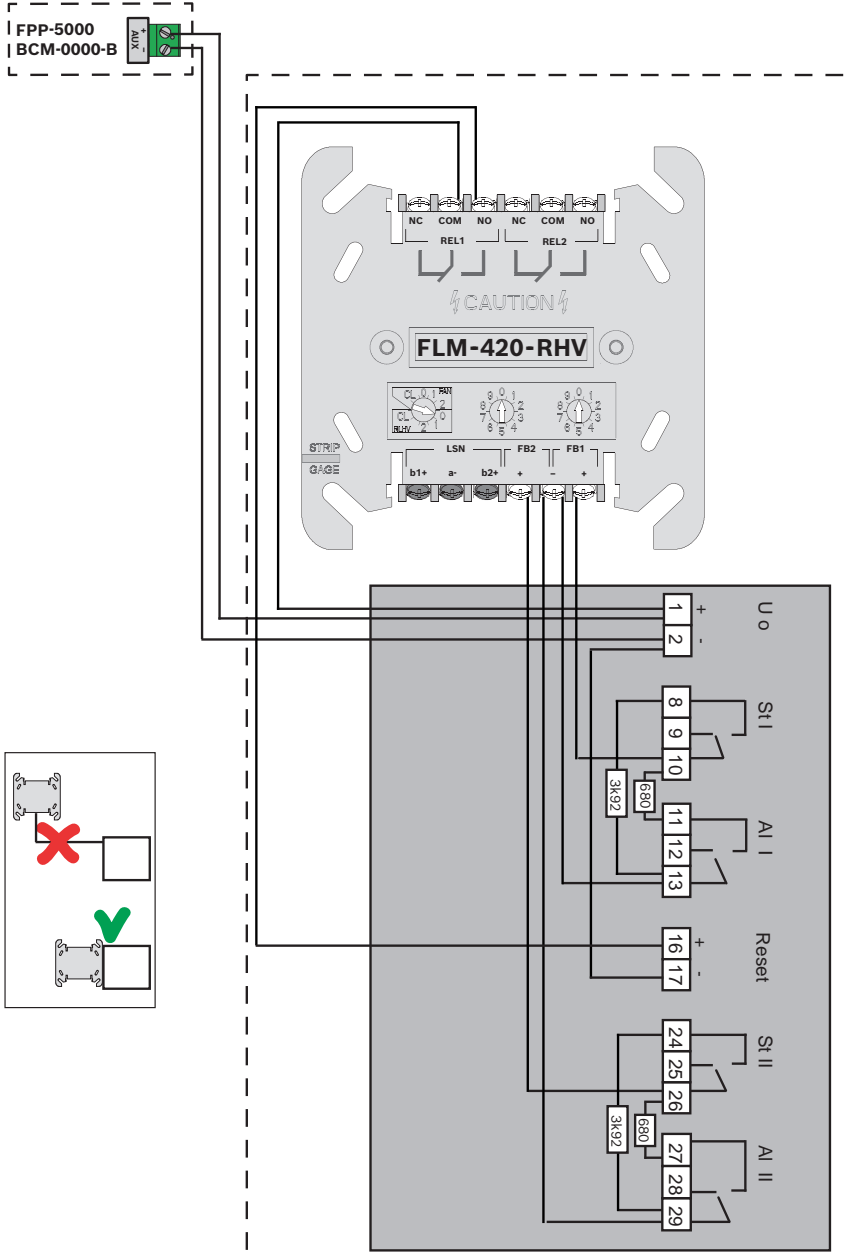


ELS





ADW 535-2

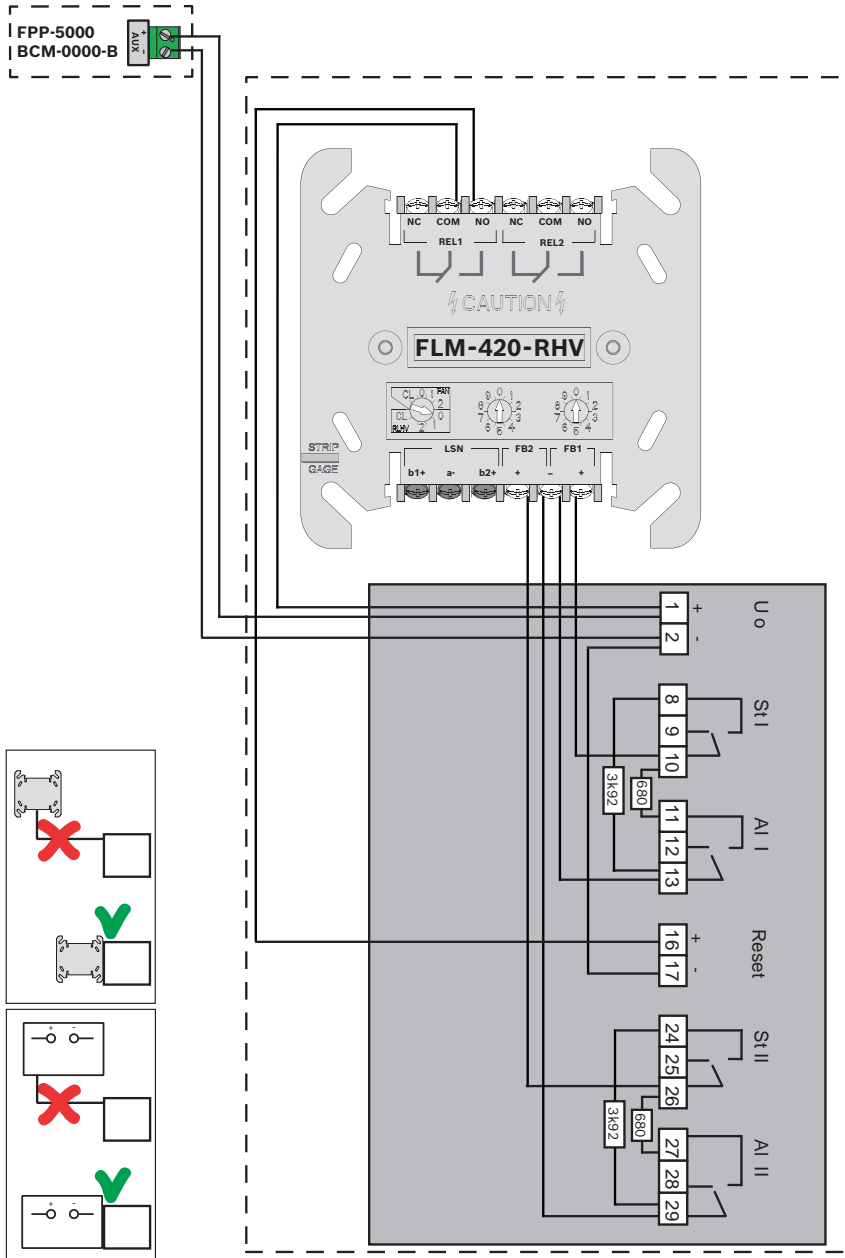




ADW 535-2

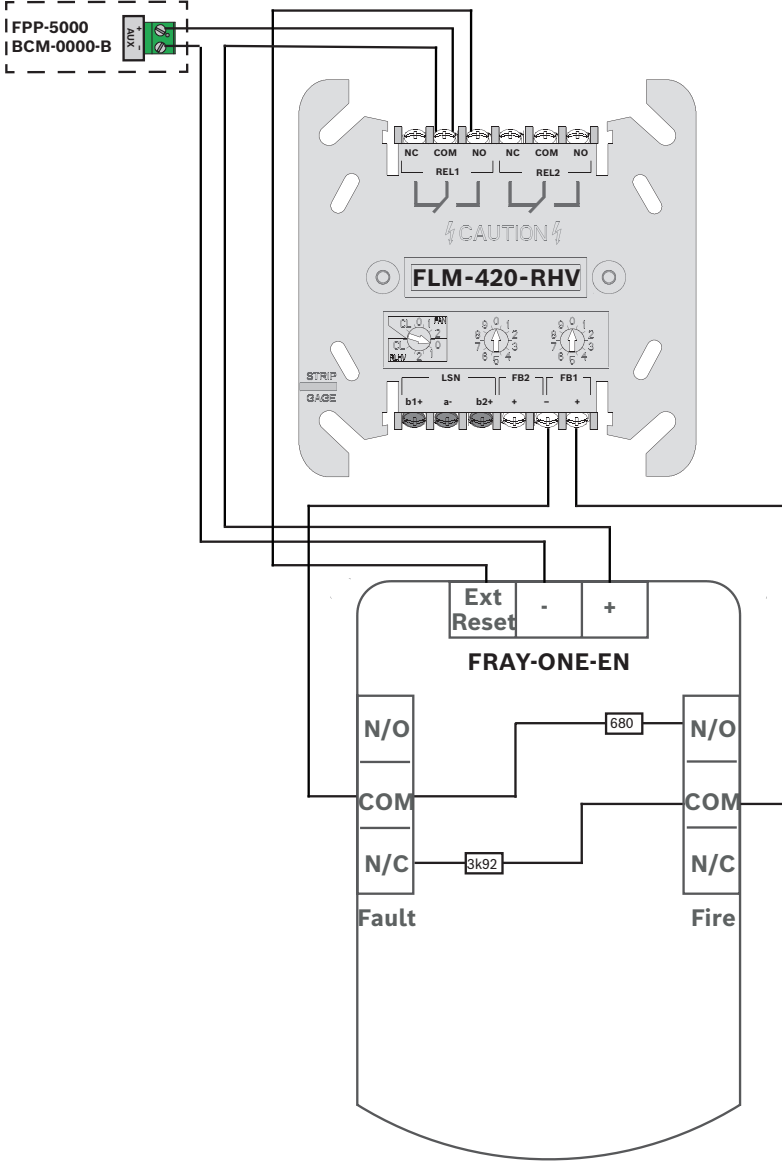


ELS





Fireray One

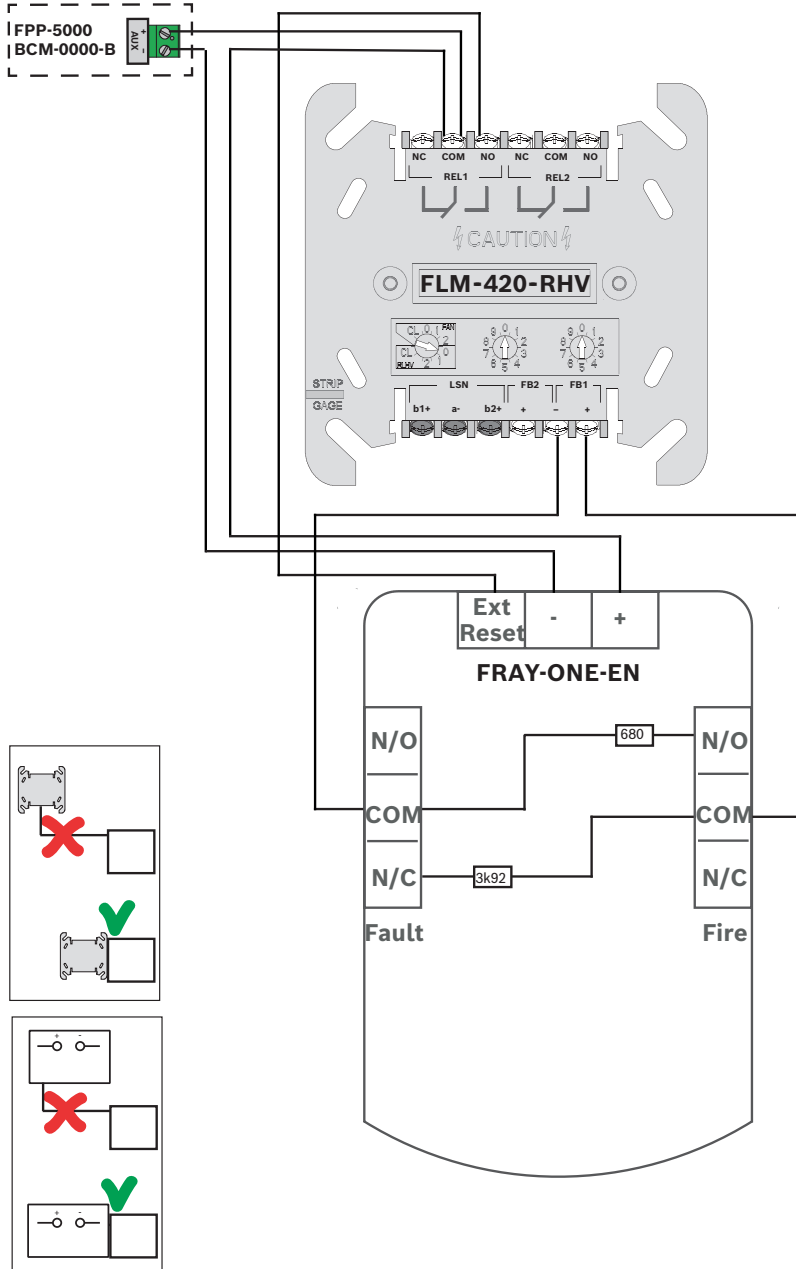




Fireray One



ELS

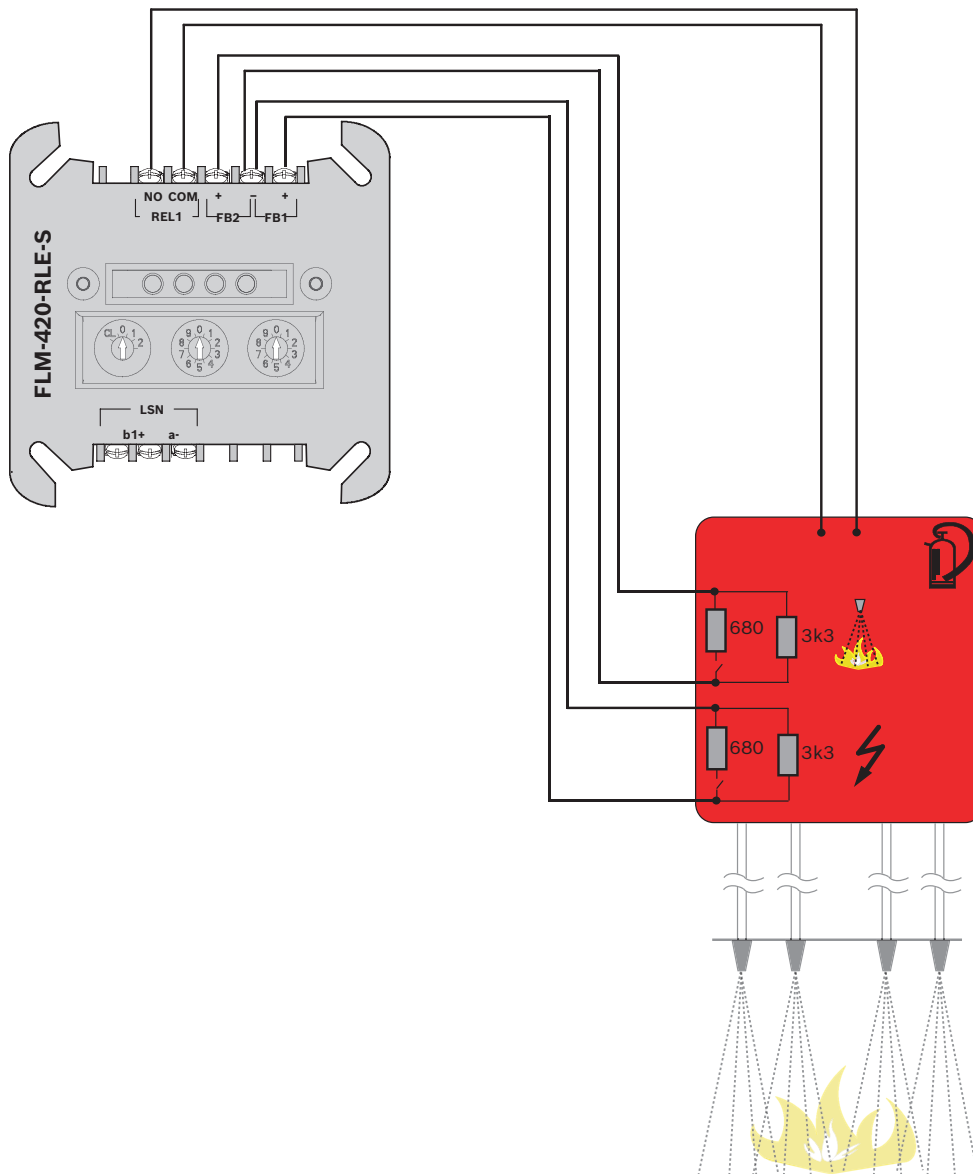


2.5.5

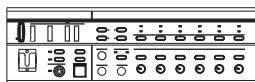
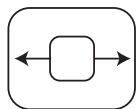
FLM-420-RLE-S



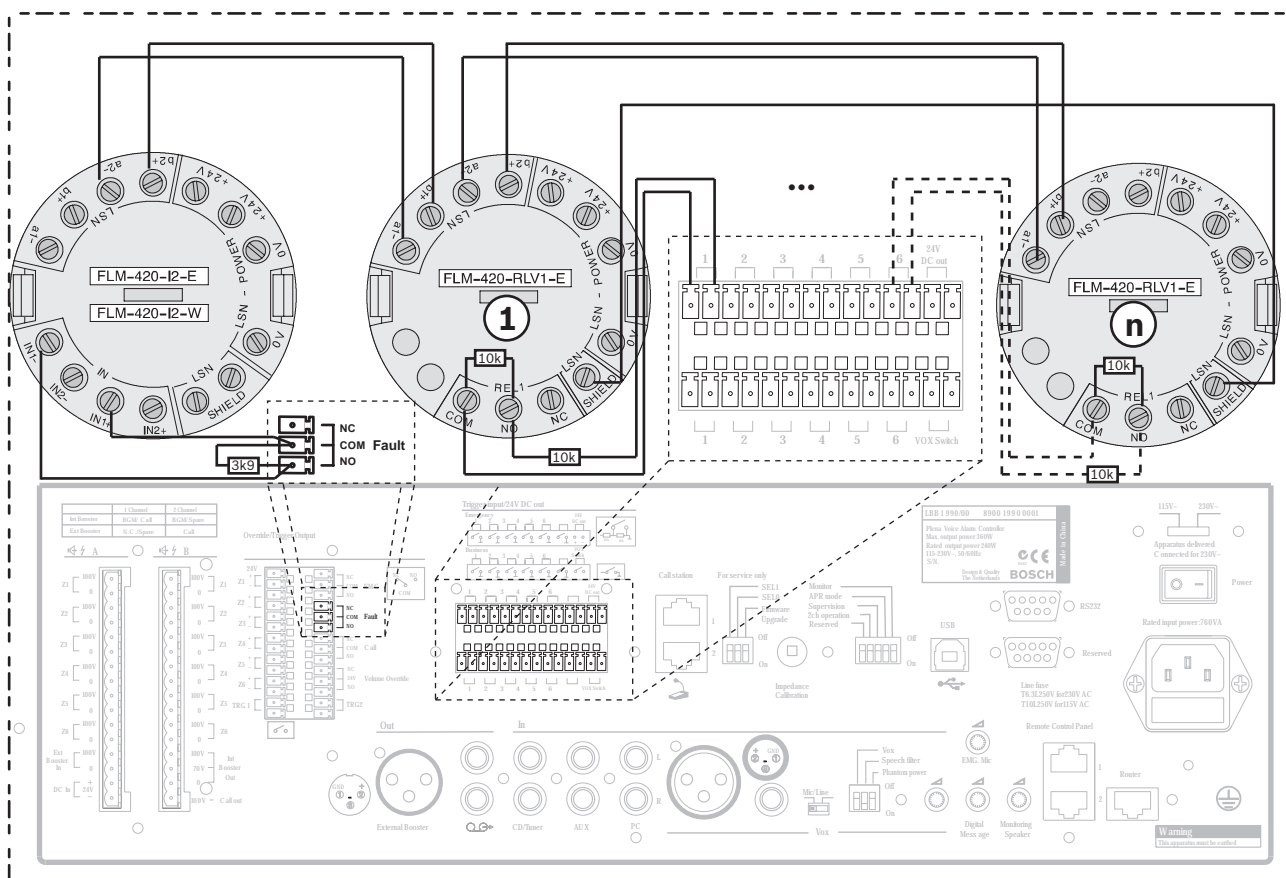
VdS 2496



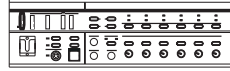
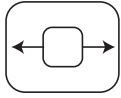
2.5.6 FLM-420-RLV1-E



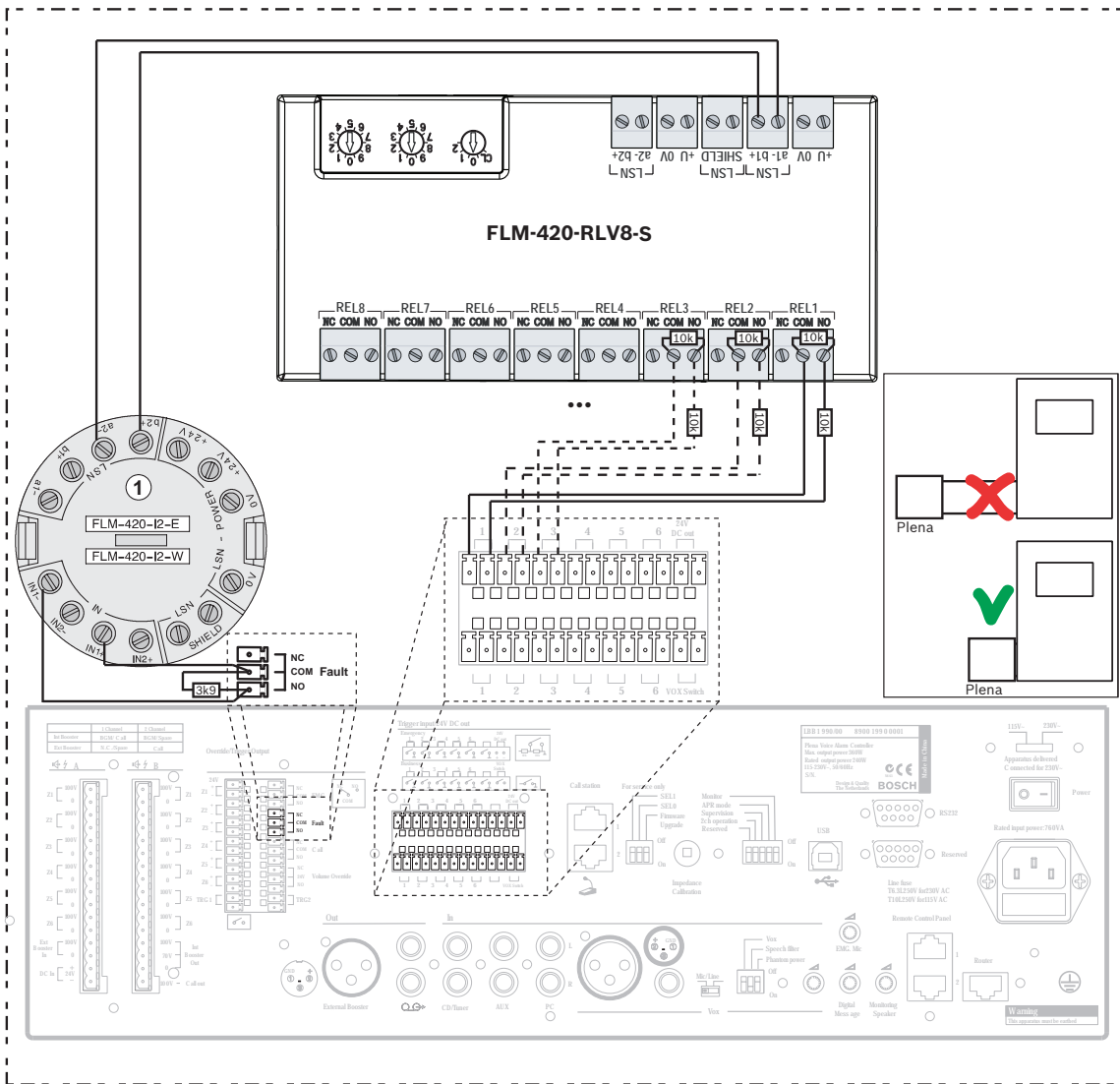
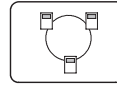
Plena



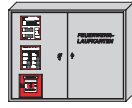
2.5.7 FLM-420-RLV8-S



Plena

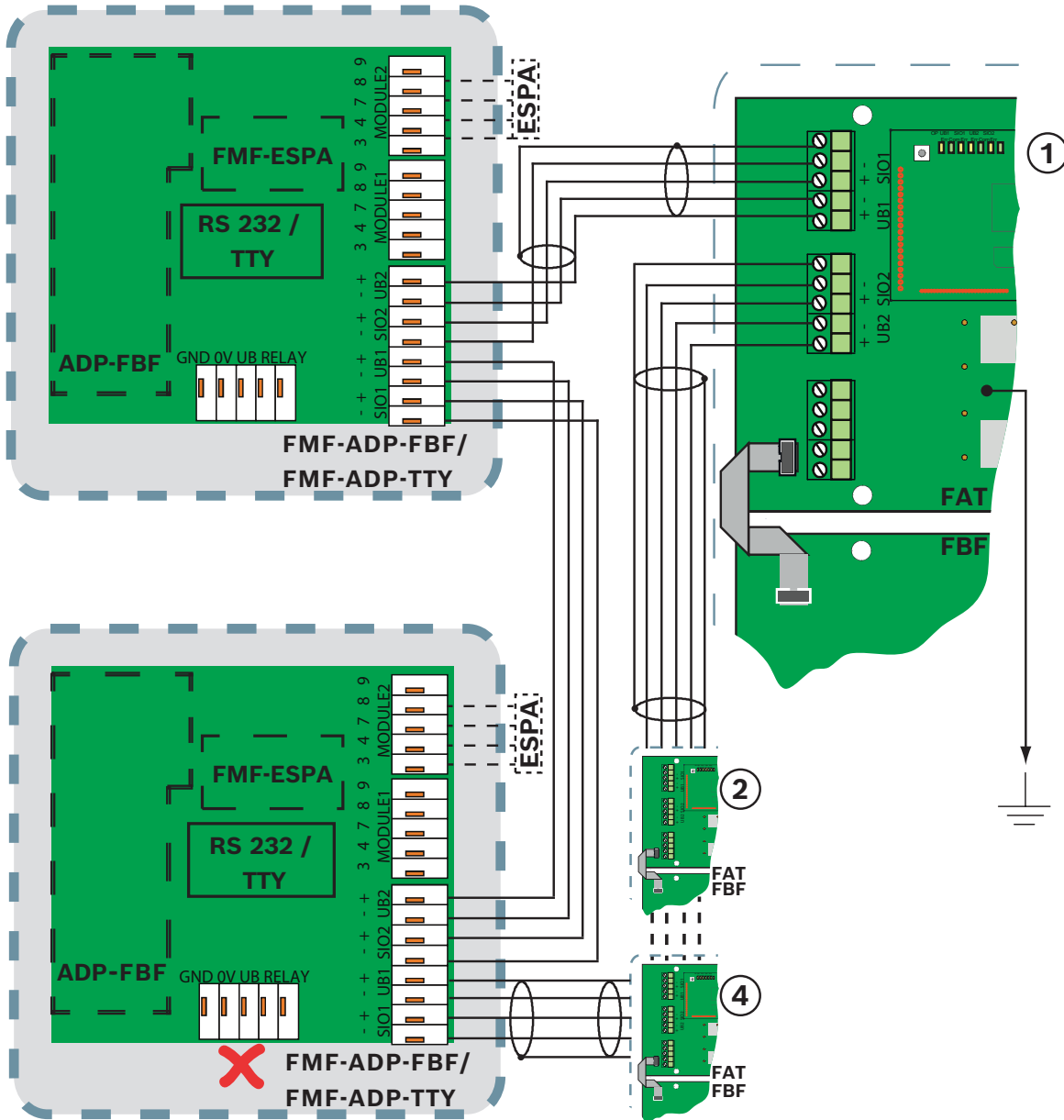


2.5.8 FMF-ADP-FBF/FMF-ADP-TTY



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

ELS



2.6

EOL



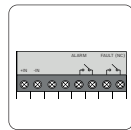
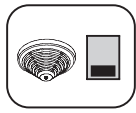
CZM 0004 A, sayfa 189

LSN 0300 A, sayfa 201

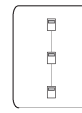
FLM-420/4-CON-S/D, sayfa 246

2.6.1

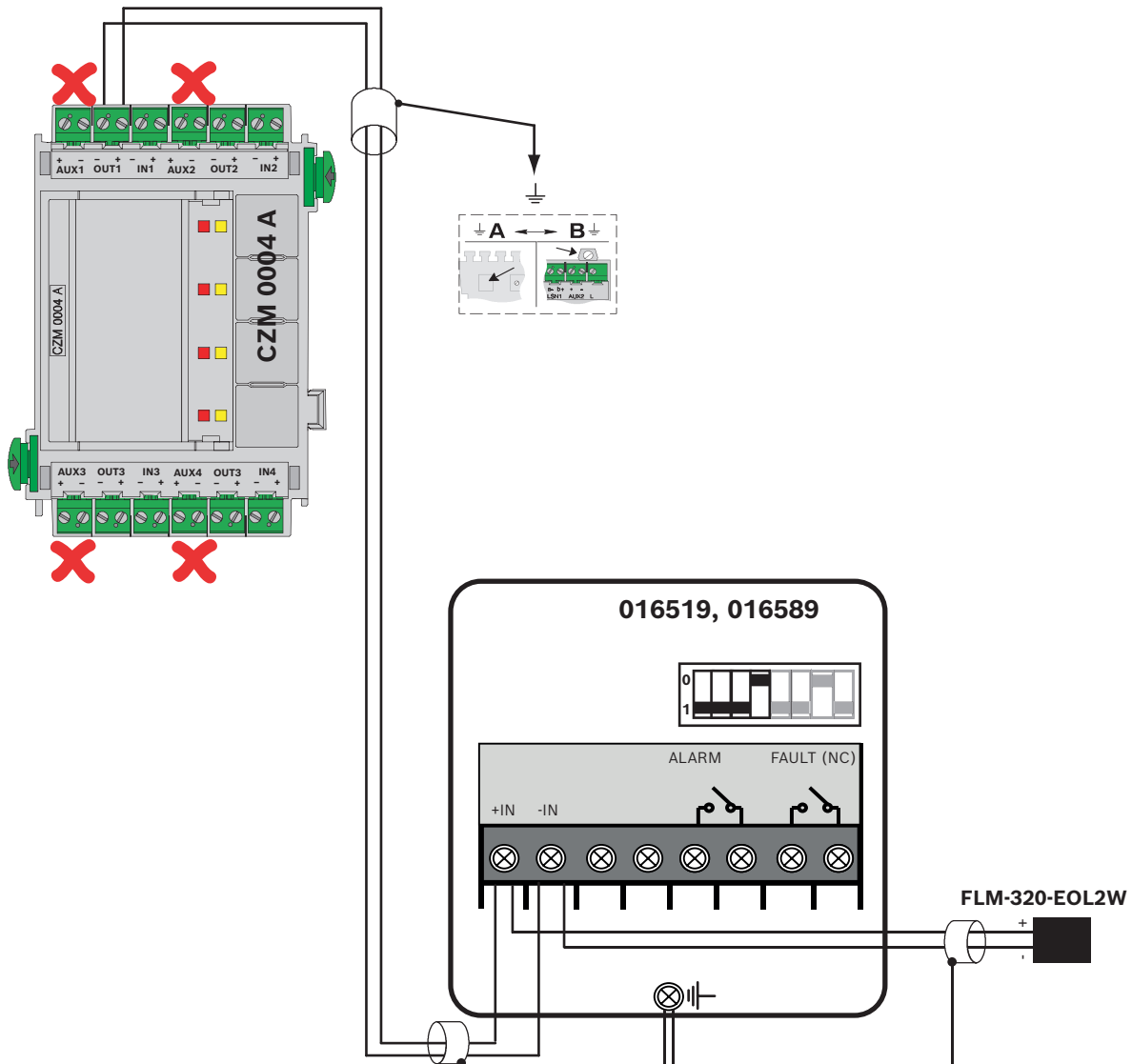
CZM 0004 A

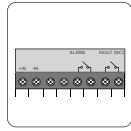


016519, 016589
IR3 Flame Detector

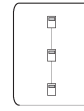


ELS

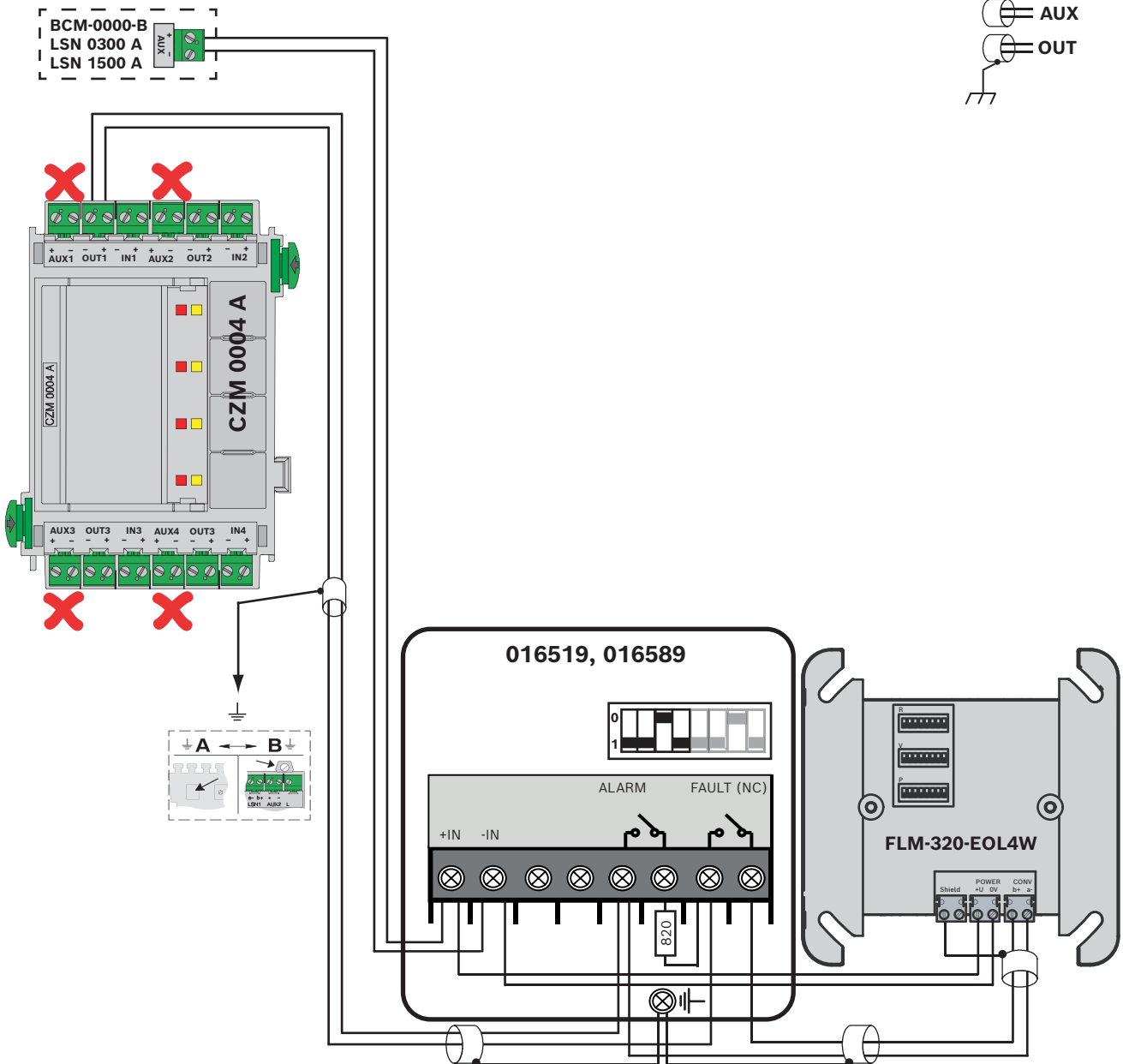




016519, 016589
IR3 Flame Detector



ELS

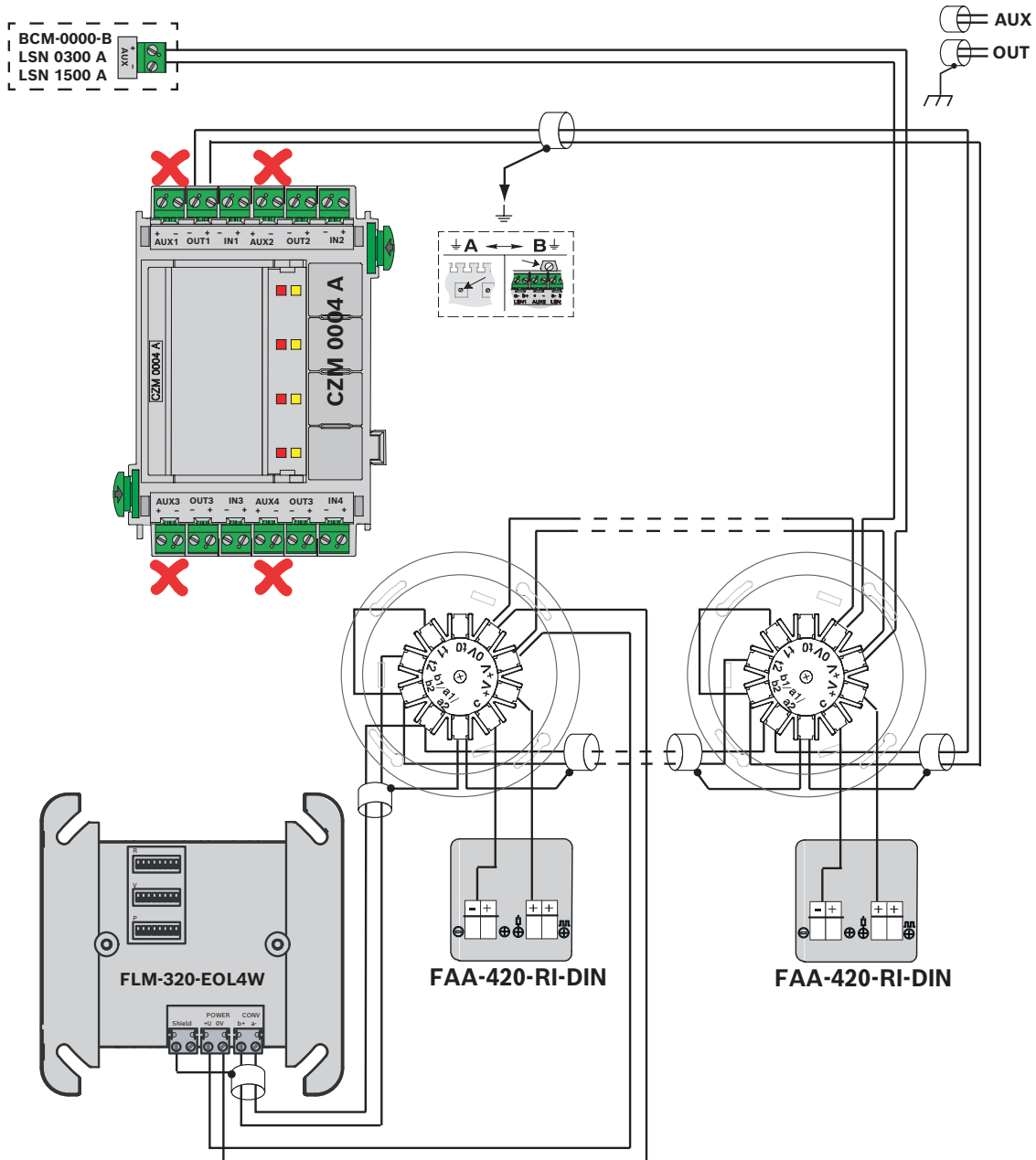


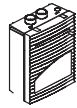


FCA-500-EU
FCP-O 500
FCP-O 500-P
FCP-OC 500
FCP-OC 500-P

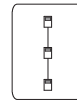


ELS



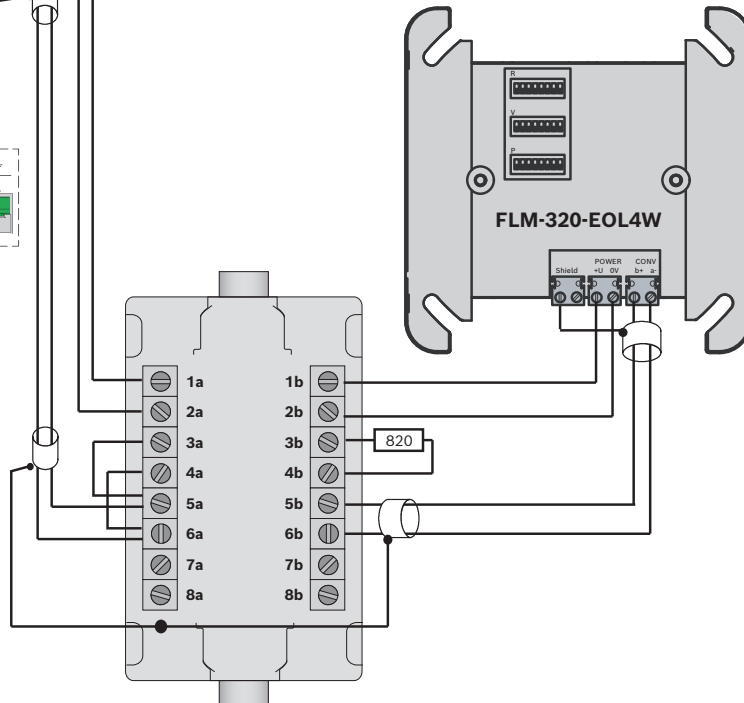
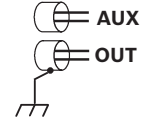
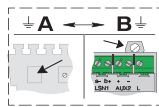
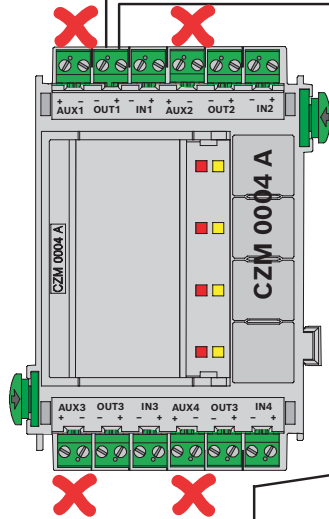


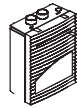
FCS-320-TM Series



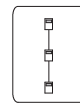
ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A

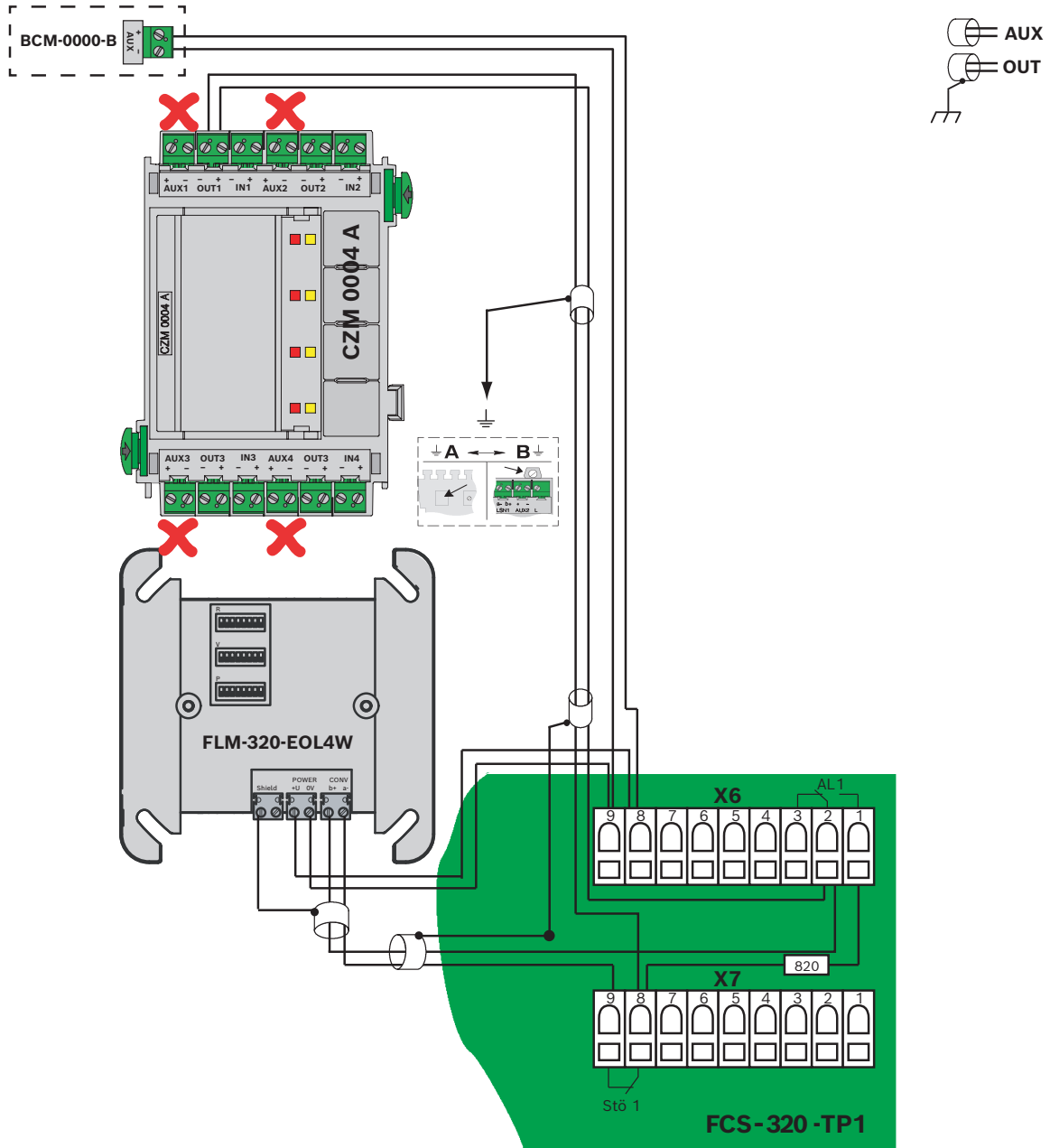


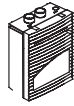


FCS-320-TP1



ELS

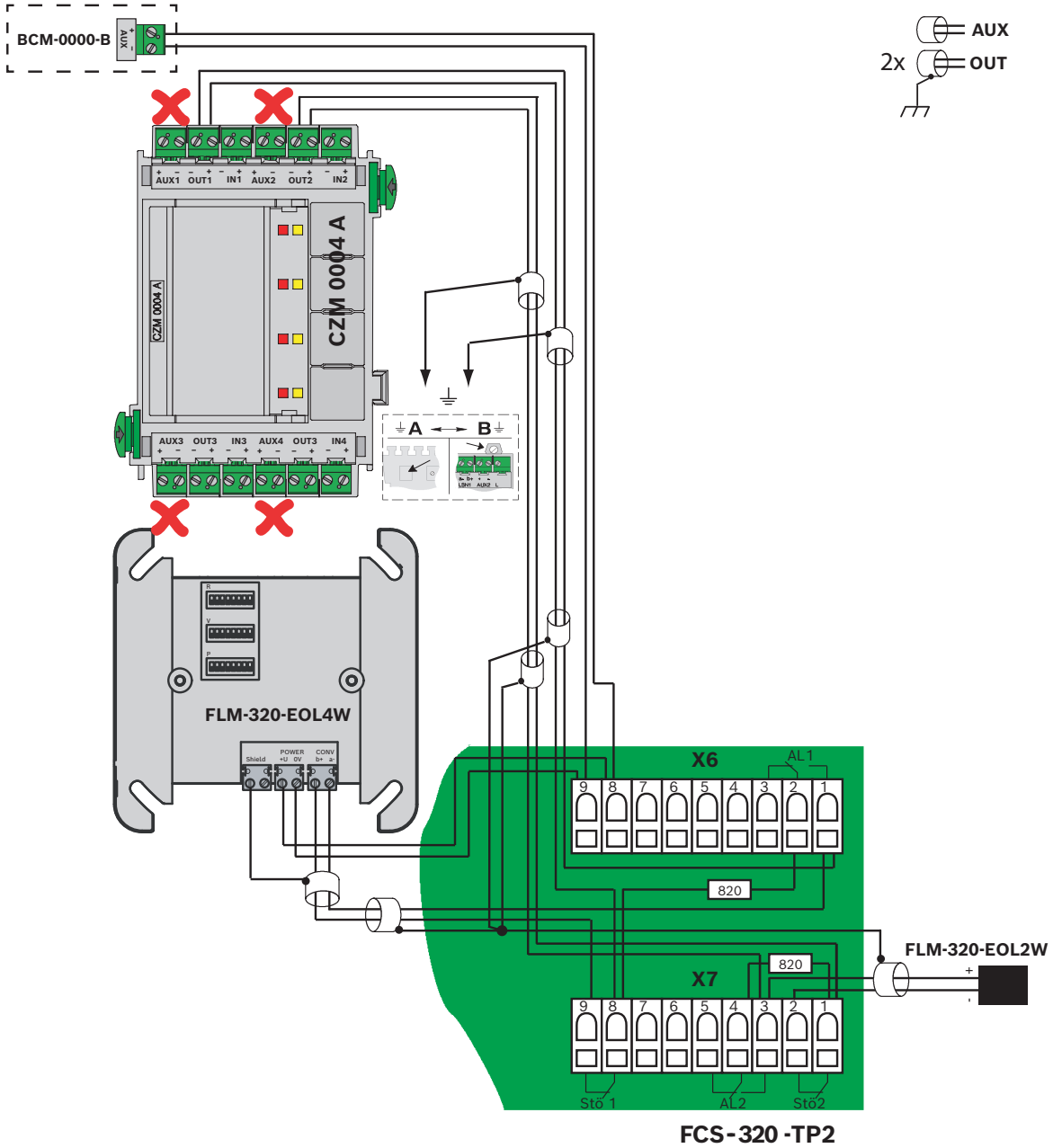




FCS-320-TP2



ELS





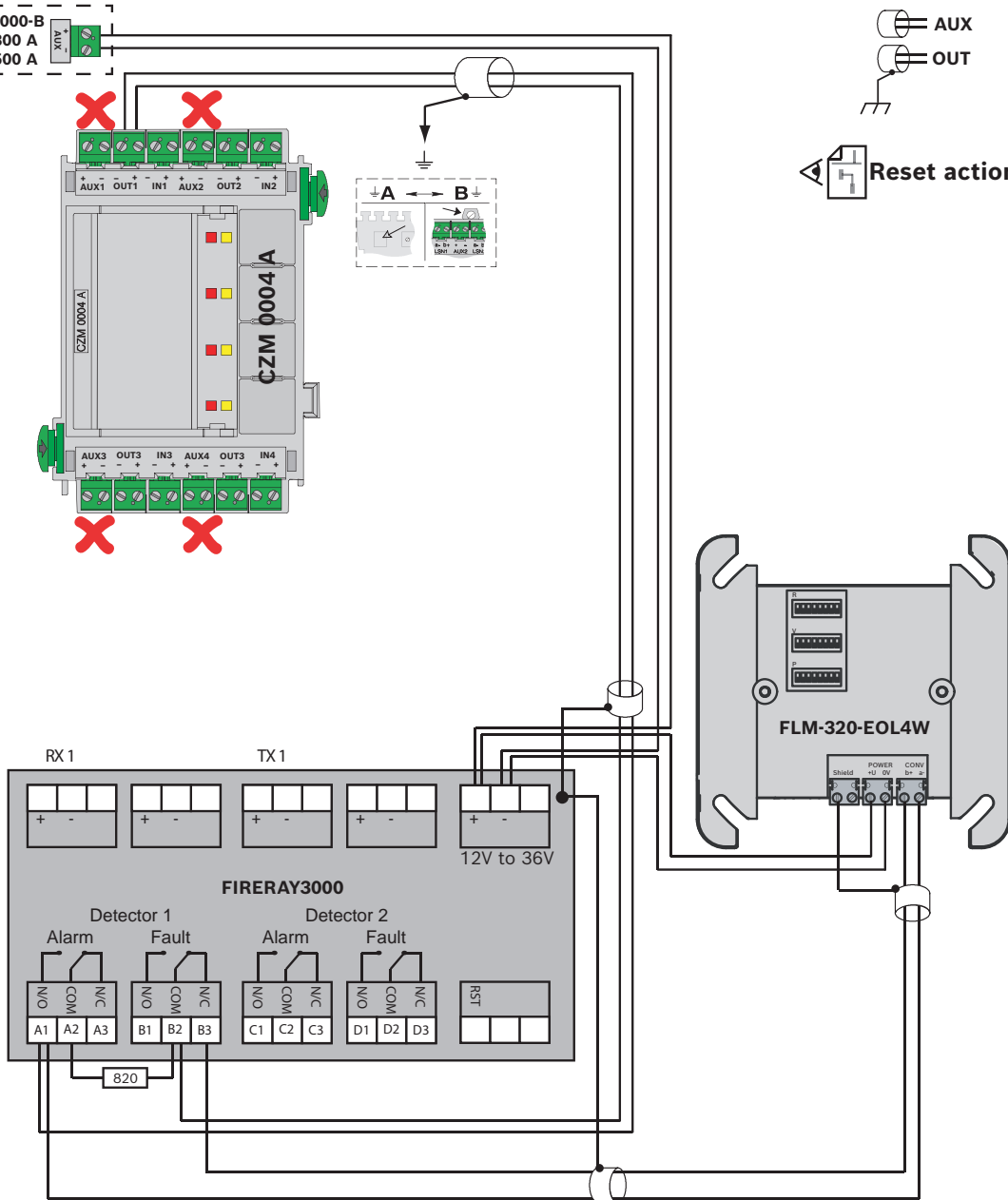
FIRERAY3000

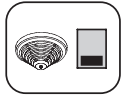
1 x



ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A



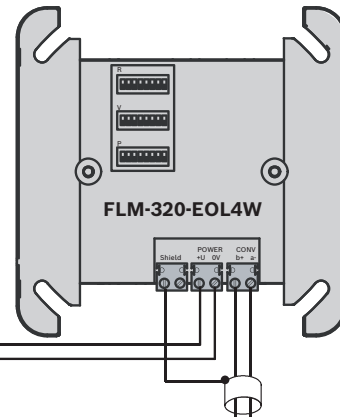
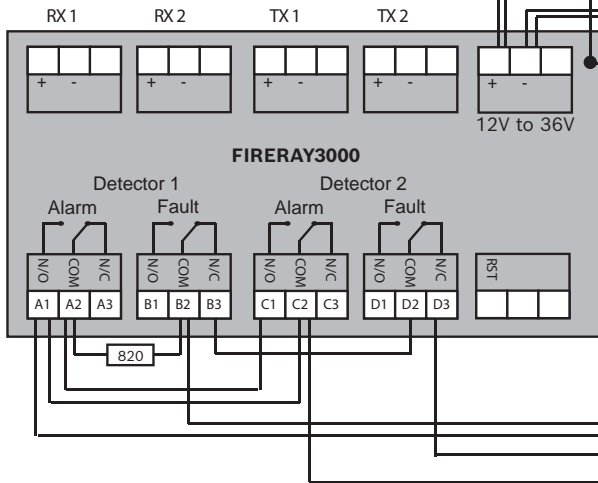
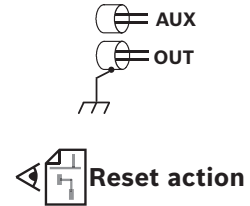
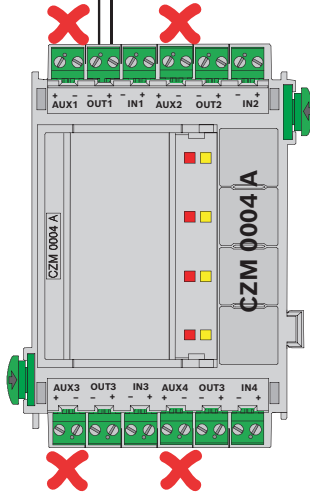


FIRERAY3000
2 x **OUT1**



ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A



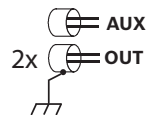
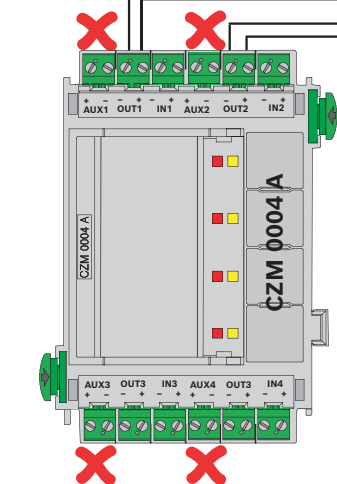


FIRERAY3000
2 x **OUT1+2**

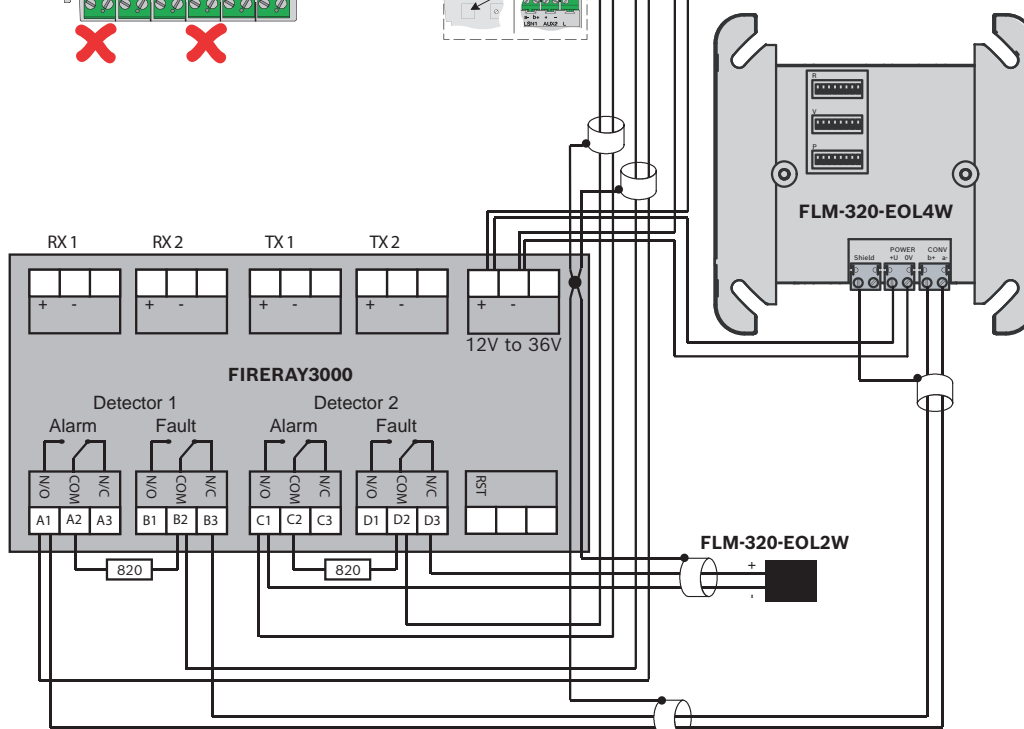
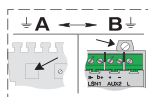


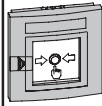
ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A

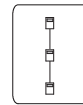


Reset action

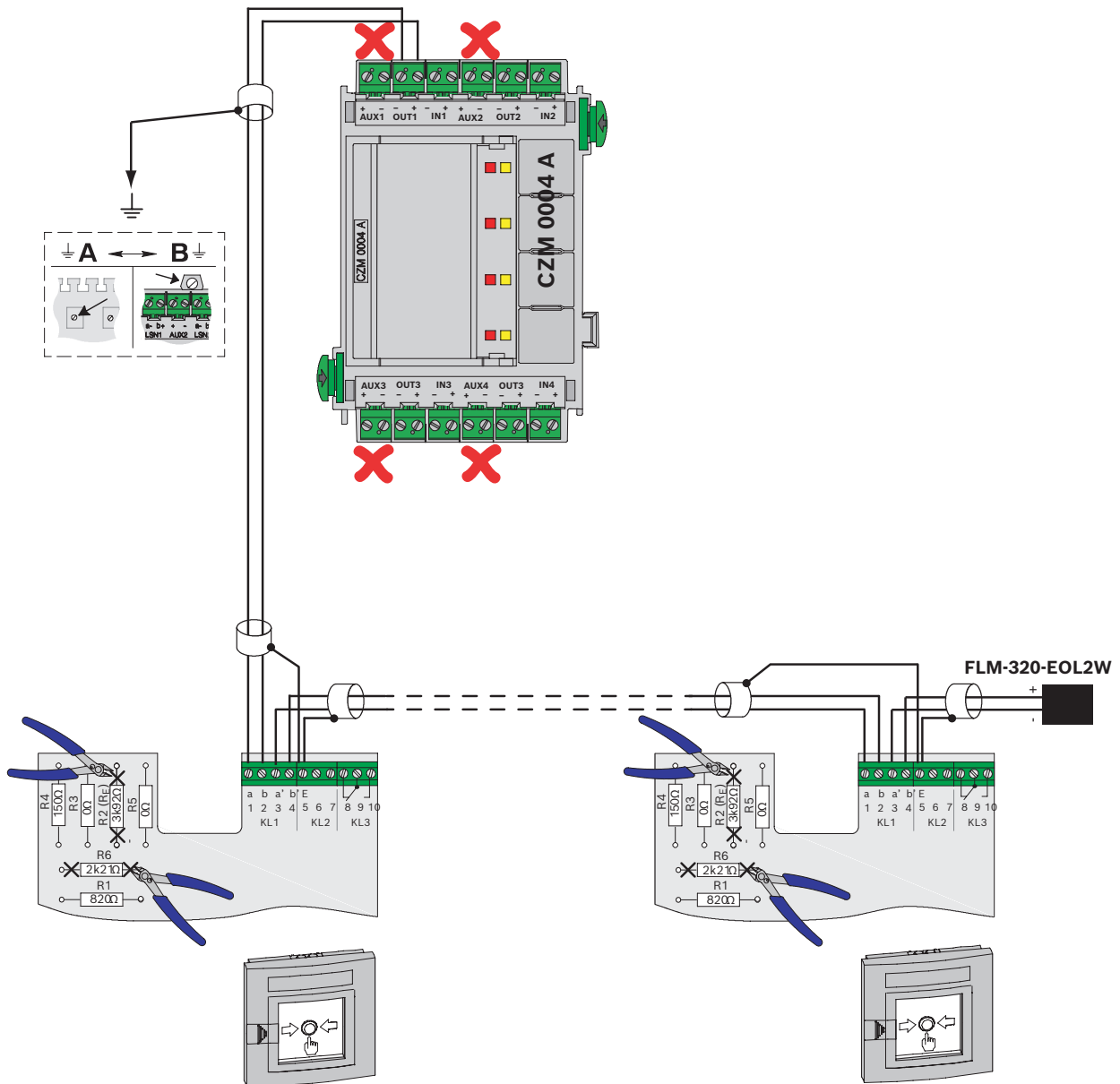


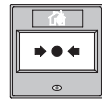
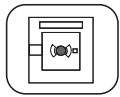


FMC-120-DKM-G-R
 FMC-120-DKM-H-R
 FMC-120-DKM-G-B
 FMC-120-DKM-H-B
 FMC-120-DKM-G-Y



ELS

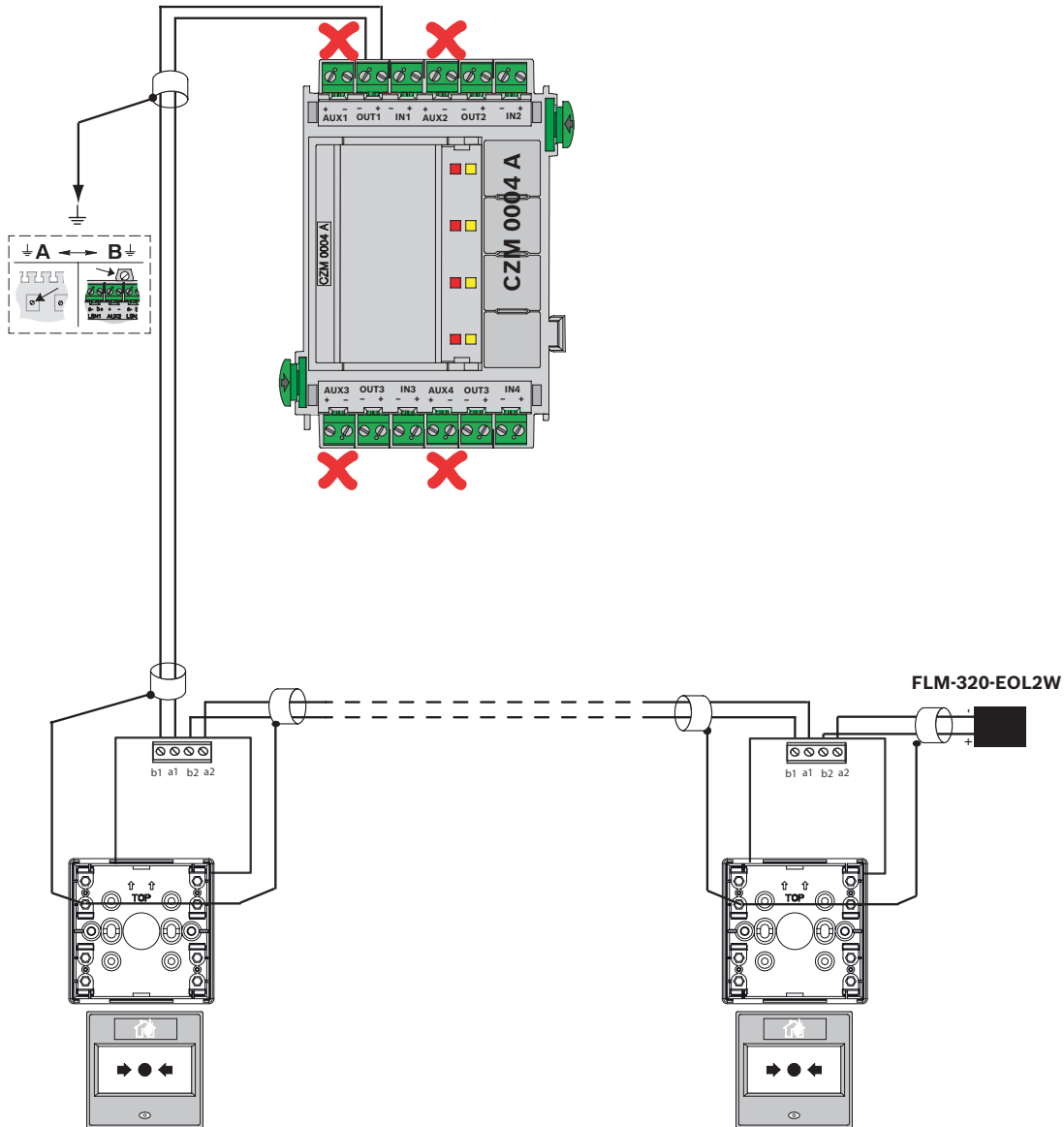




FMC-300RW-GSGBU
 FMC-300RW-GSRBU
 FMC-300RW-GSGRD
 FMC-300RW-GSRRD
 FMC-300RW-GSGYE
 FMC-300RW-GSRYE

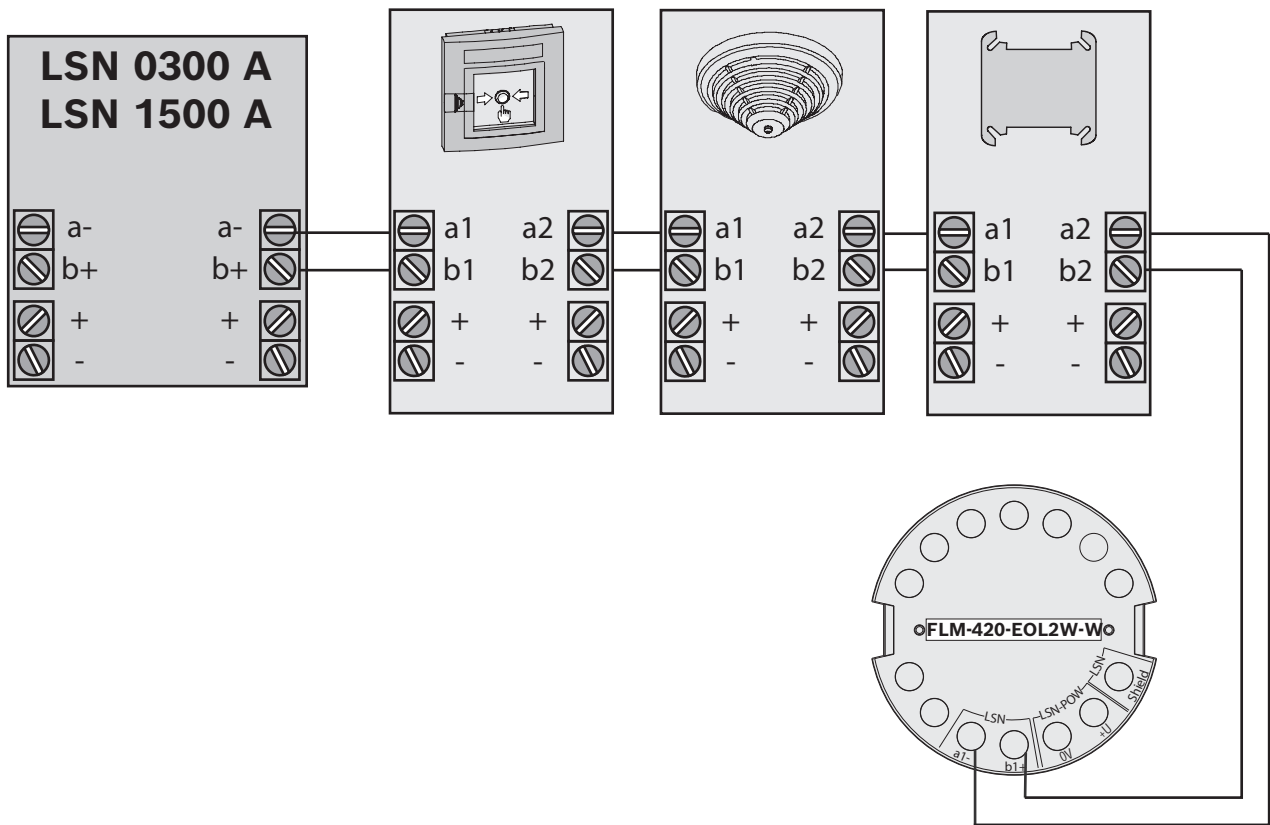
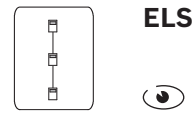


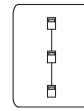
ELS



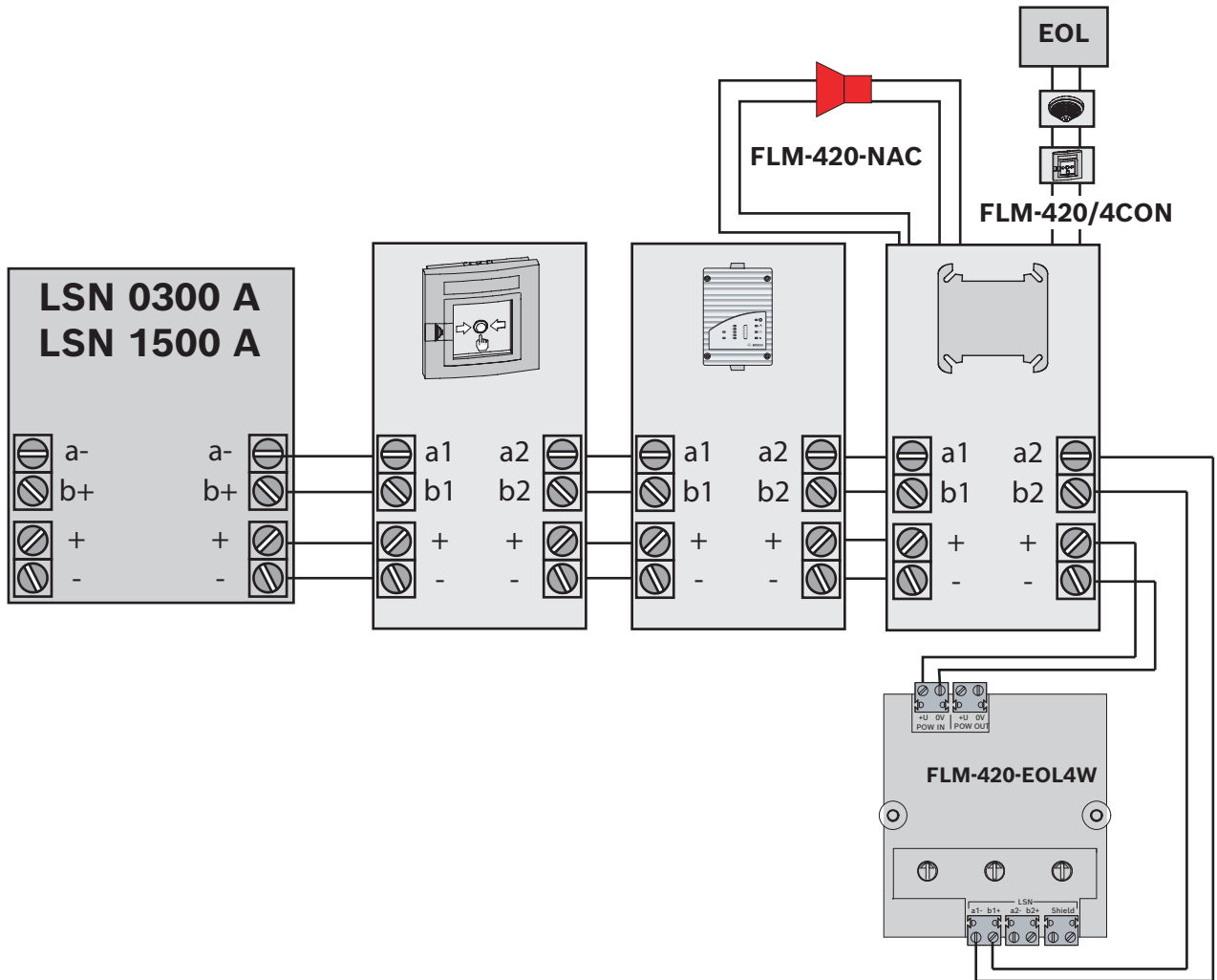
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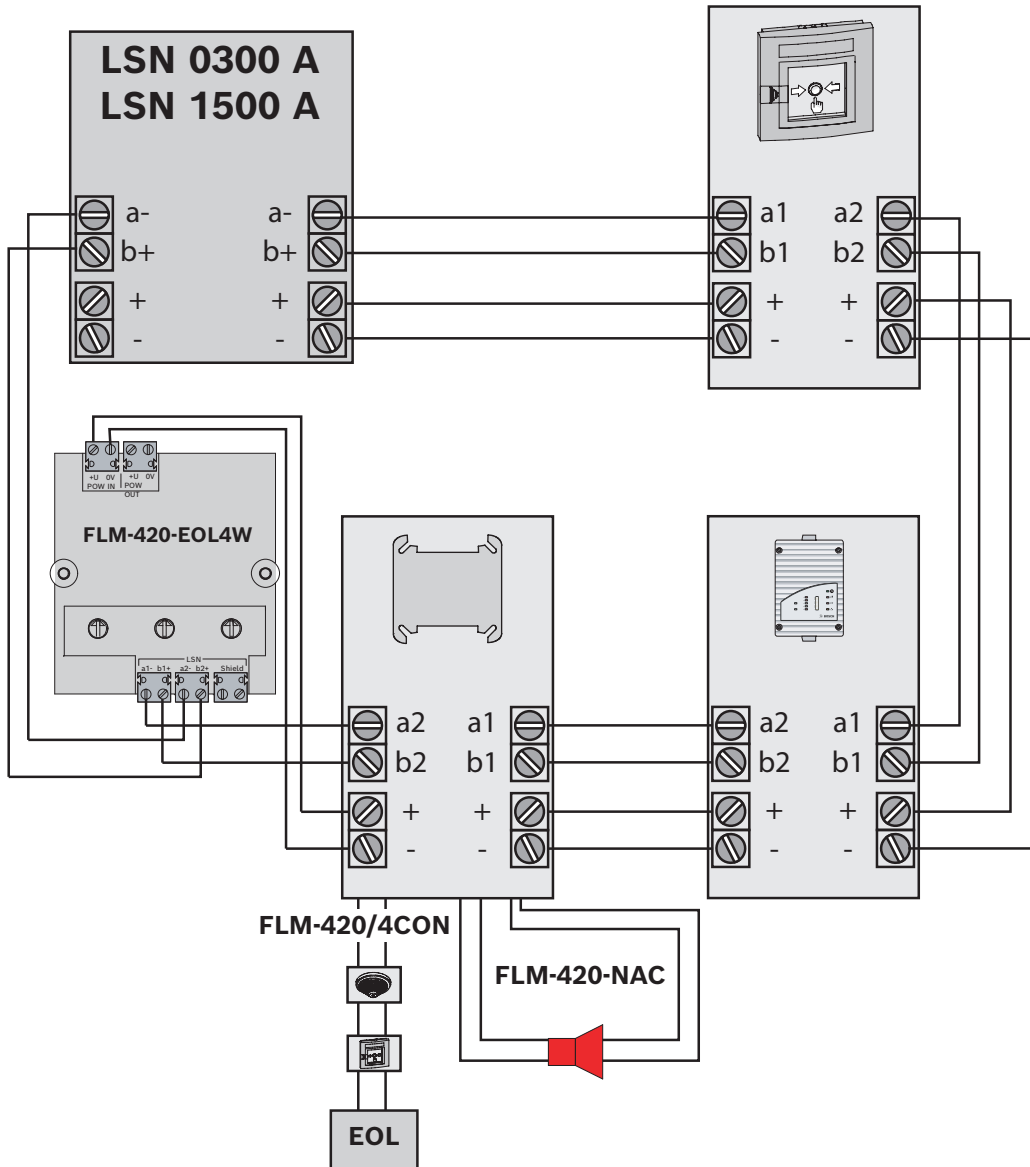
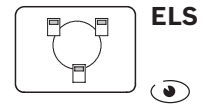
LSN 0300 A





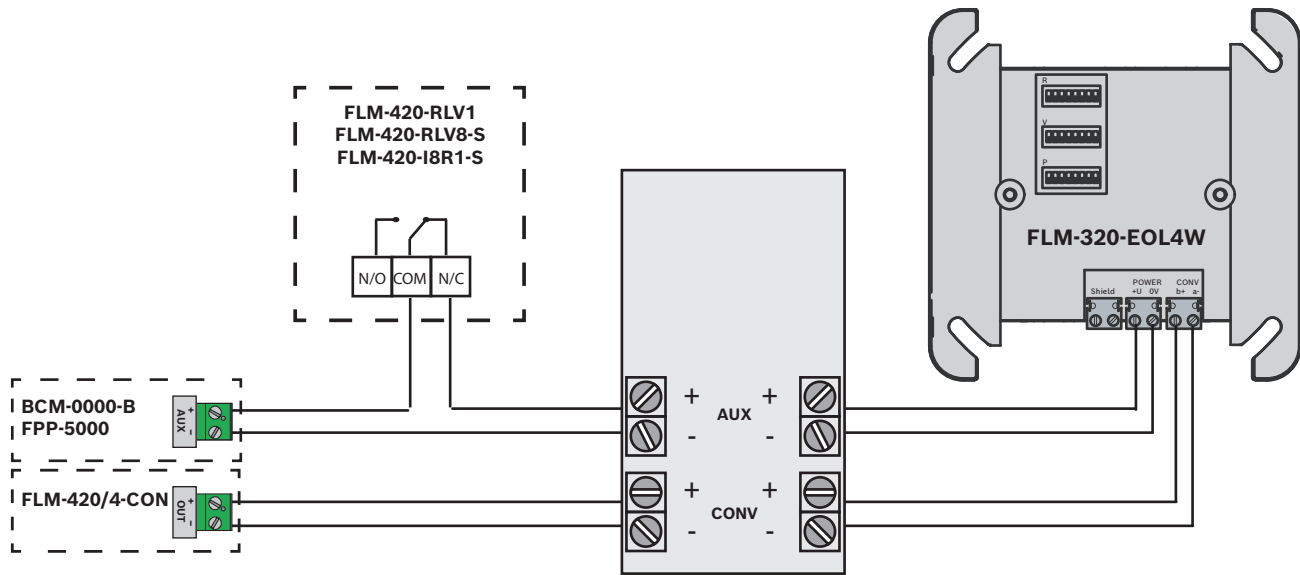
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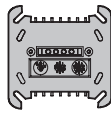
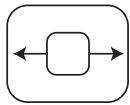




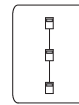
Reset action

ELS

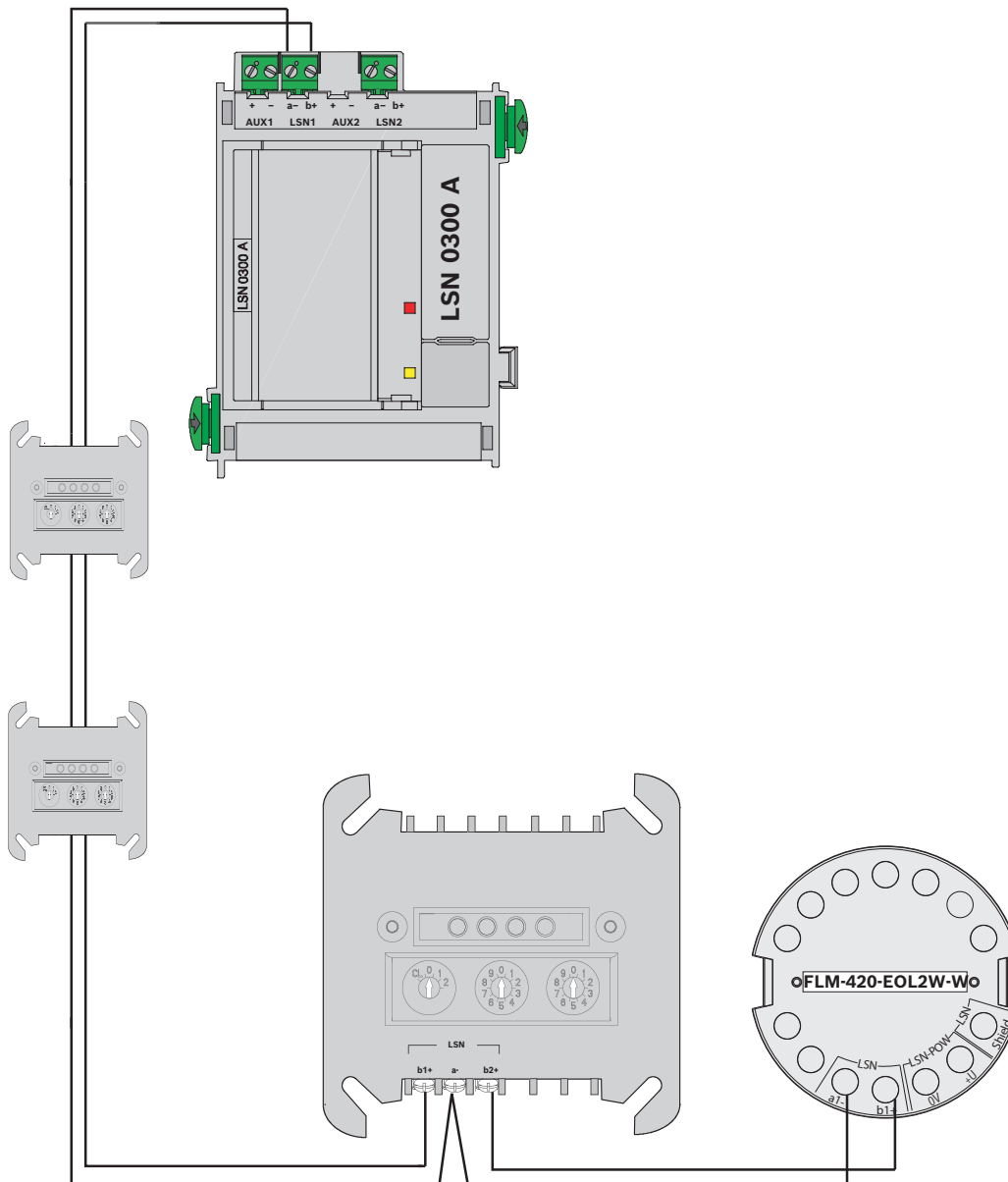


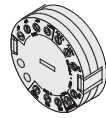
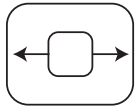


FLM-420-I2-D
 FLM-420-O111-D
 FLM-420-RHV-D/S
 FLM-420-RLV1-D

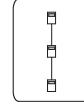


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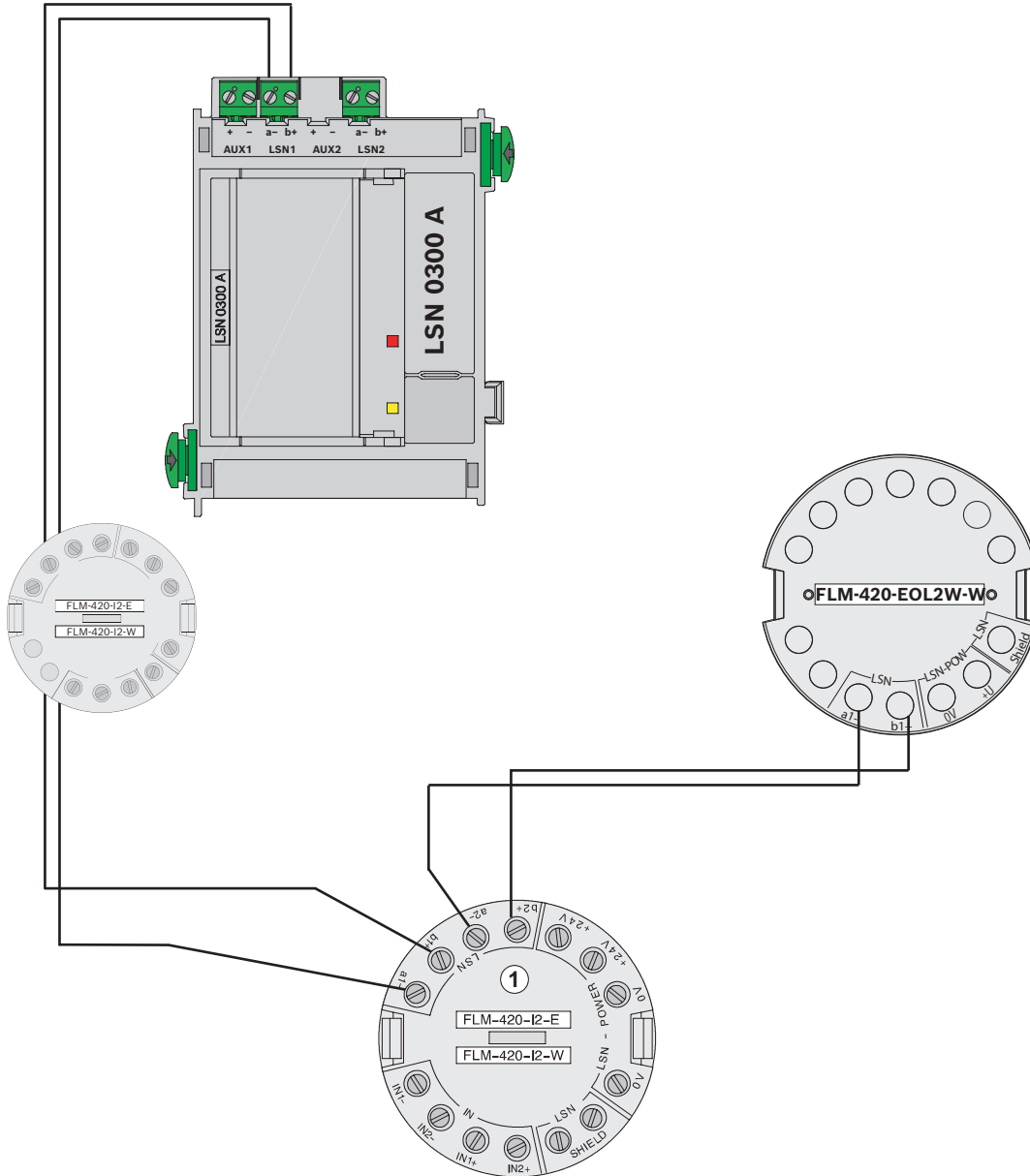


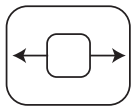


FLM-420-12-E/W

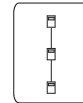


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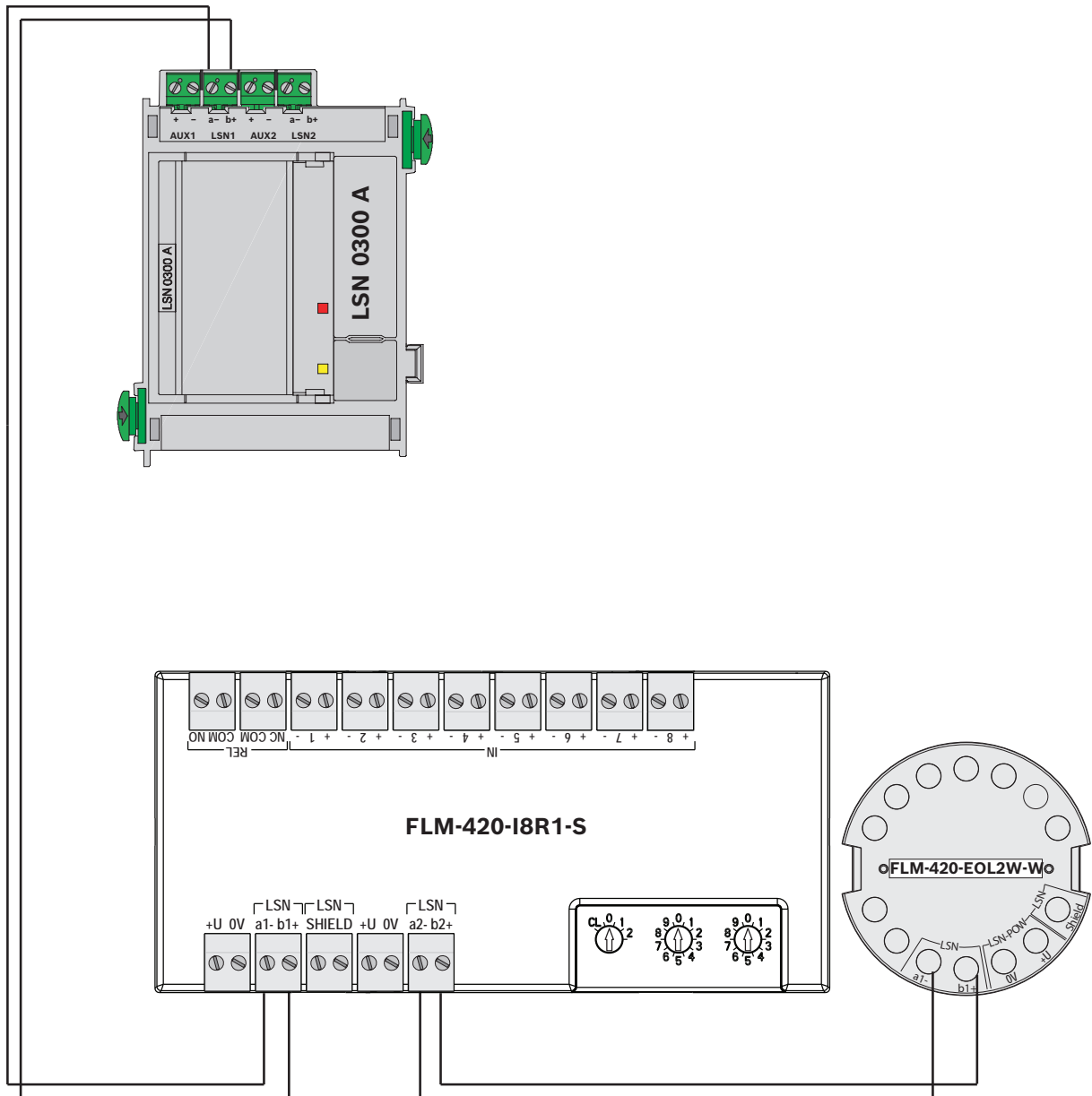


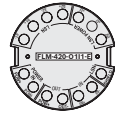
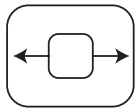


FLM-420-18R1-S

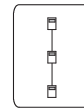


ELS

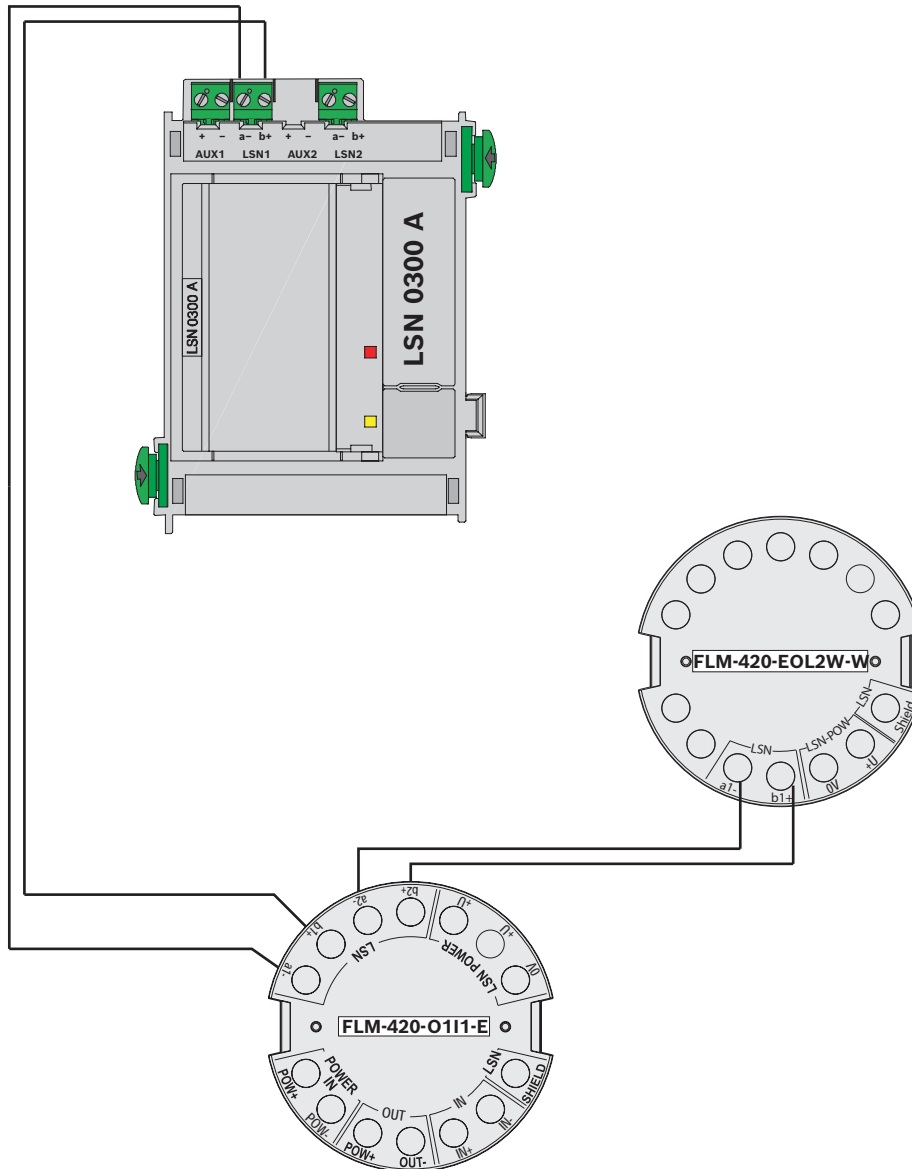


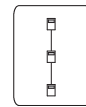
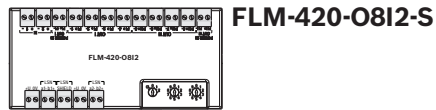
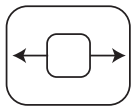


FLM-420-O1I1-E

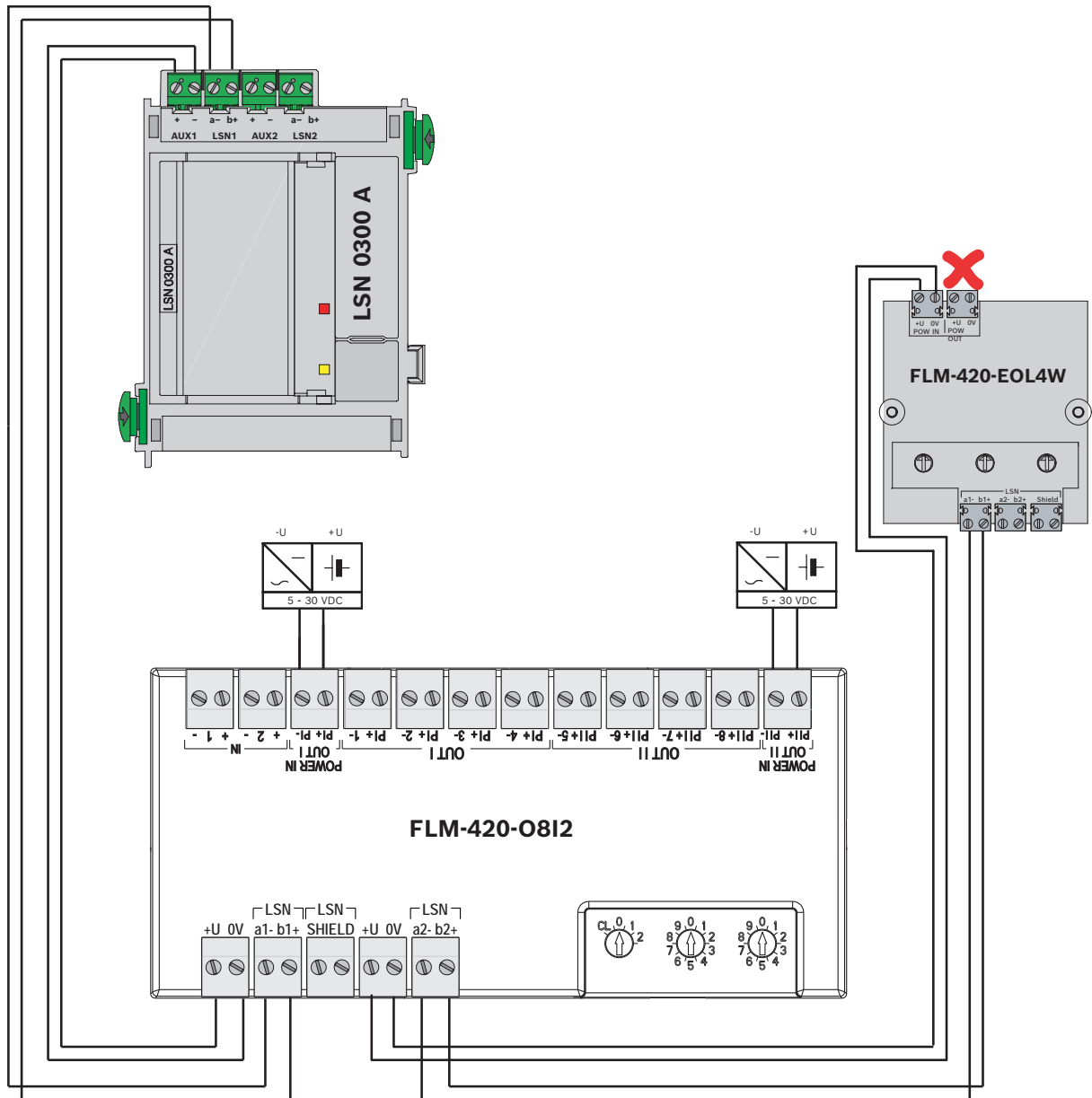


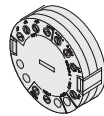
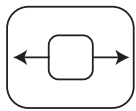
ELS



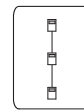


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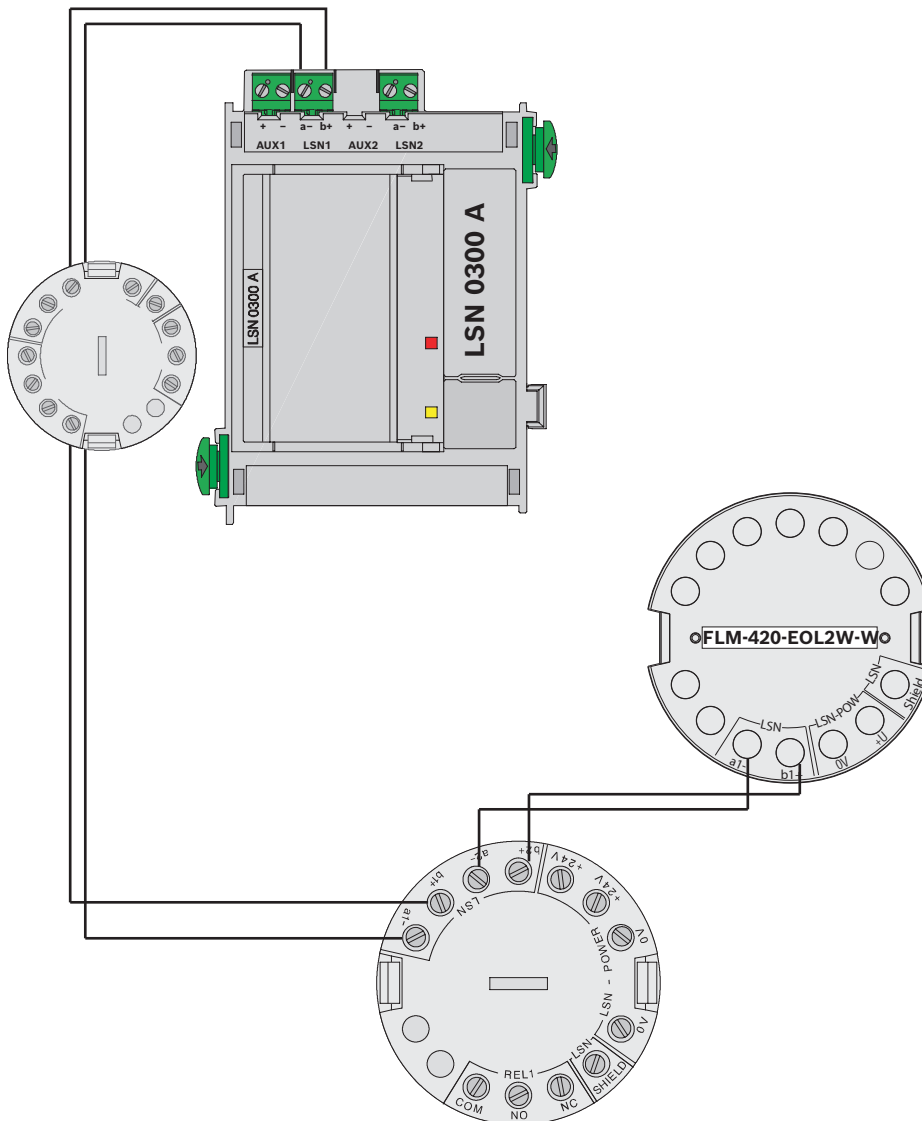


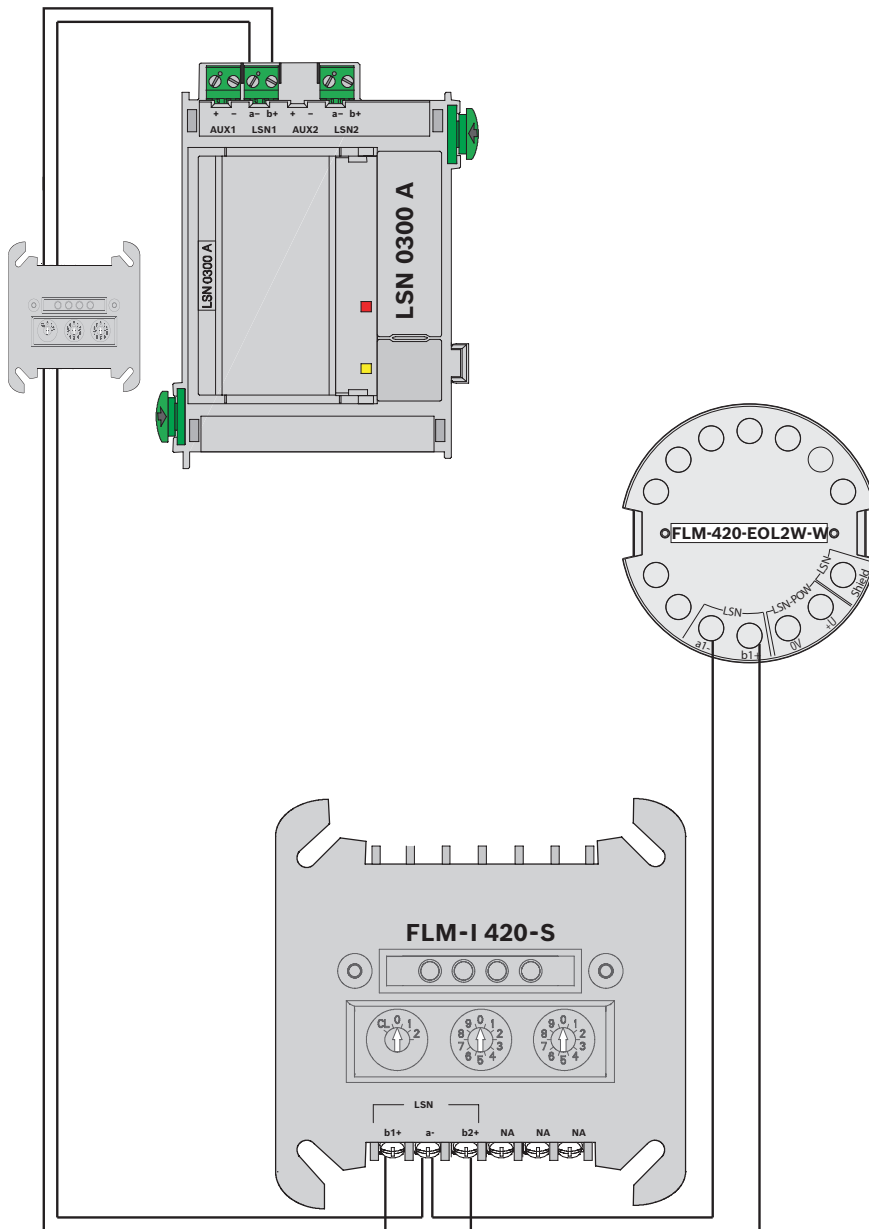
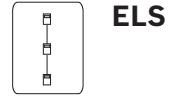
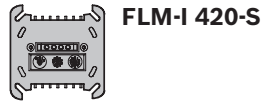
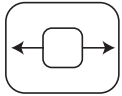


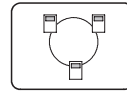
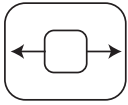
FLM-420-I2-E/-W
FLM-420-RLV1-E



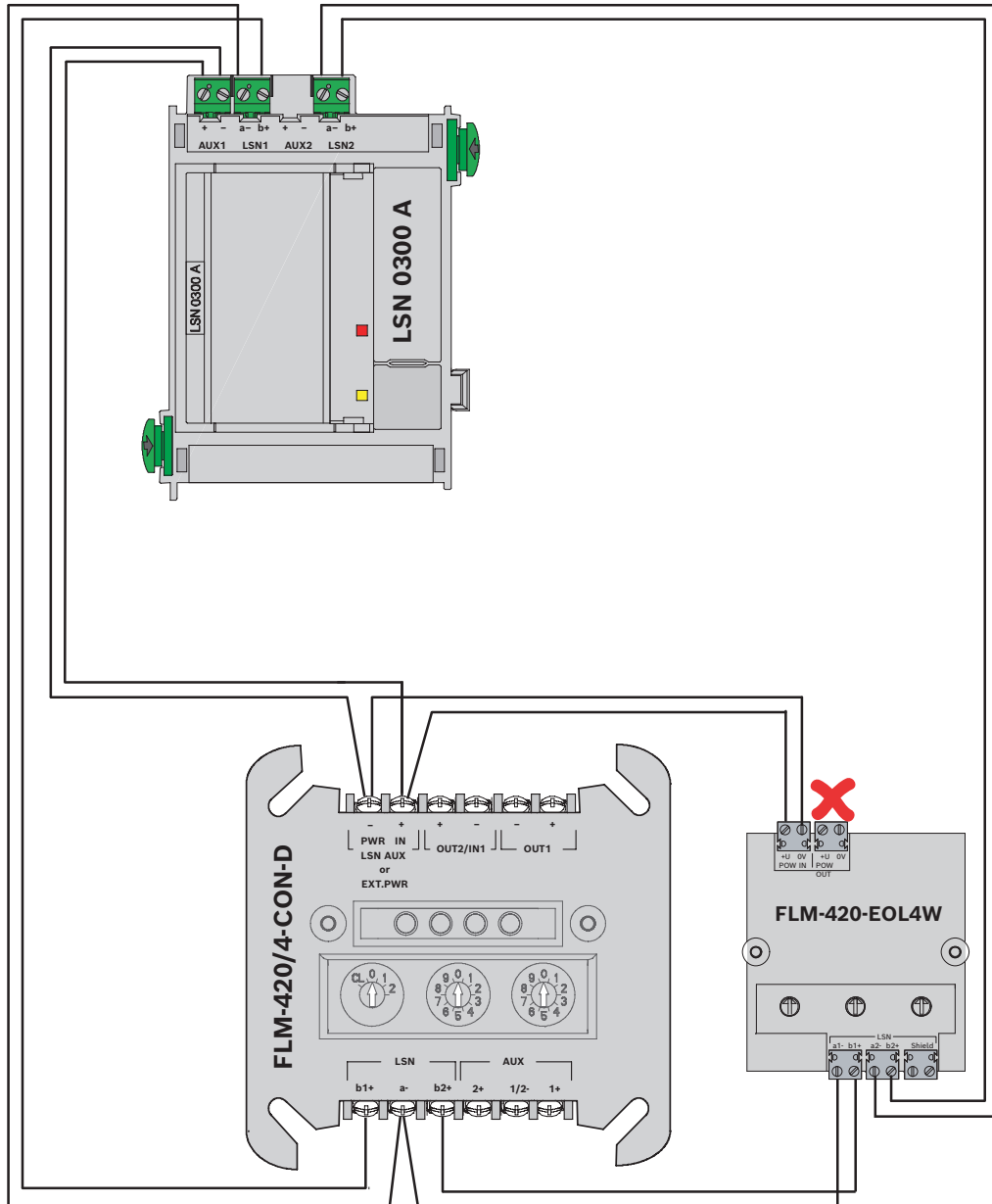
ELS

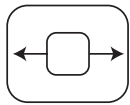




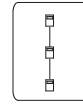


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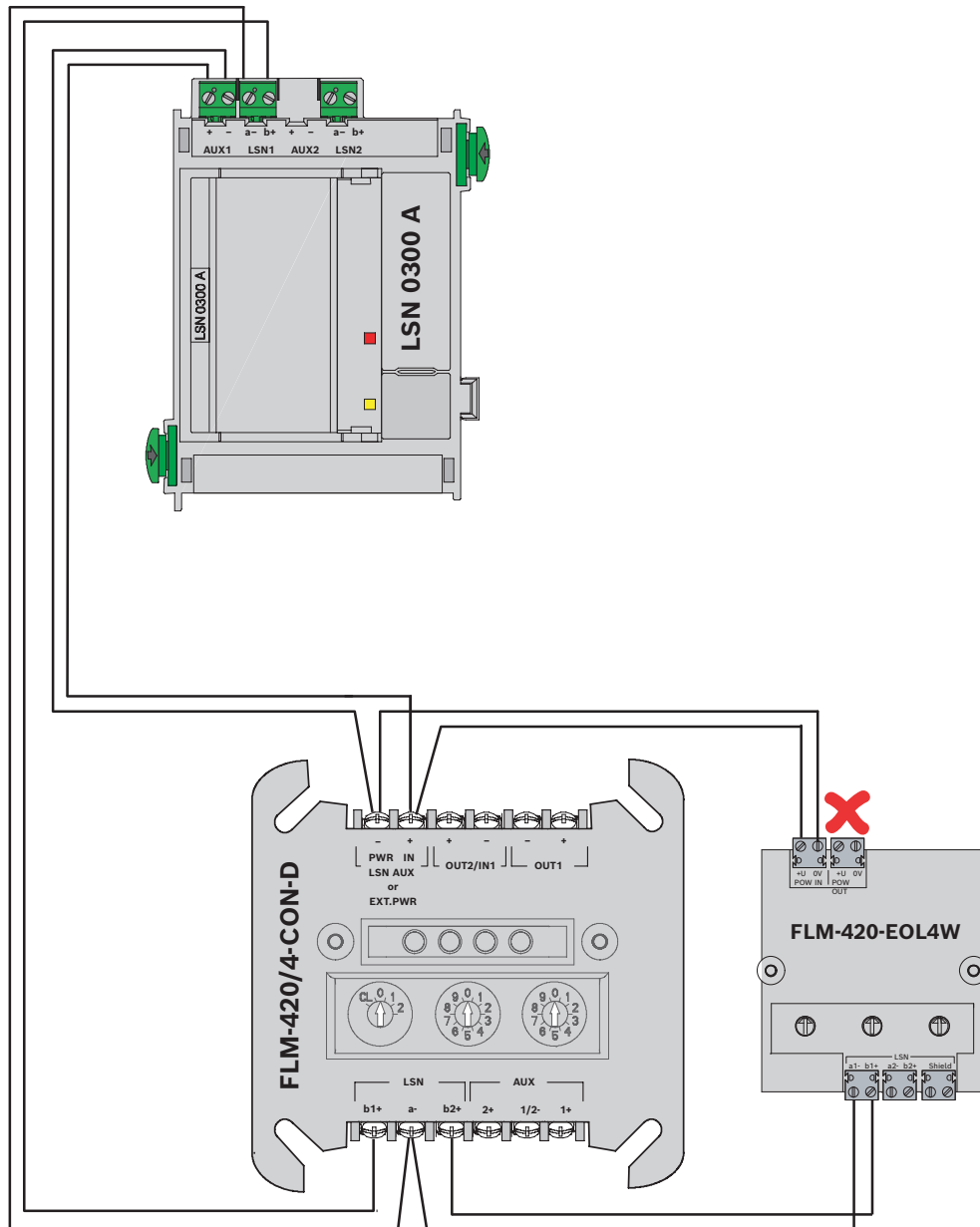


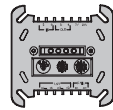
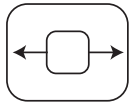


**FLM-420/
4-CON-D**

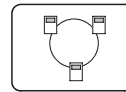


ELS

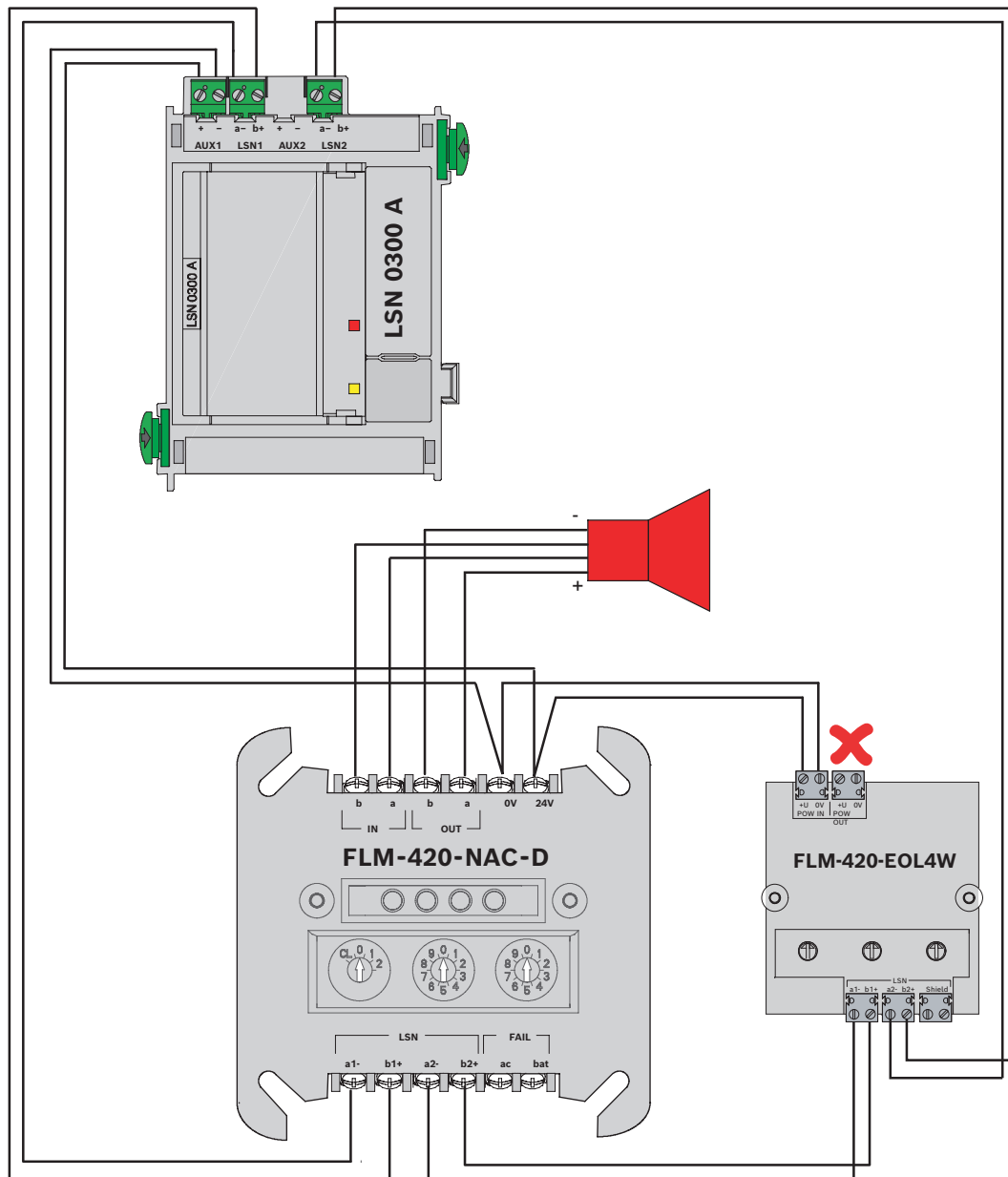


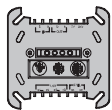
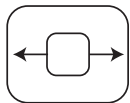


FLM-420-NAC-D/S

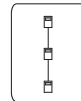


ELS
EN 54-2

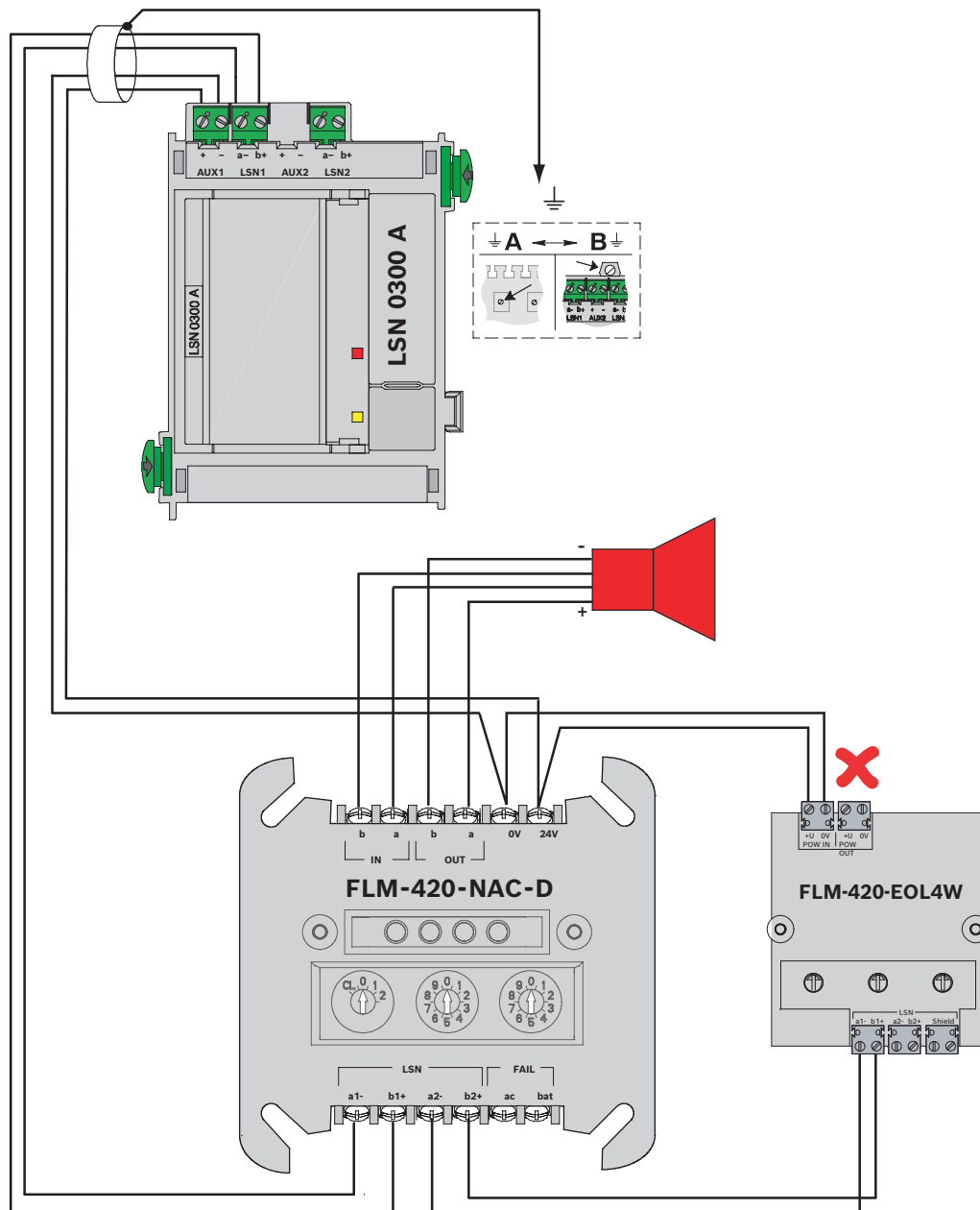


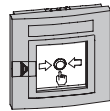
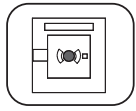


FLM-420-NAC-D/S

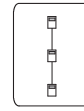


ELS

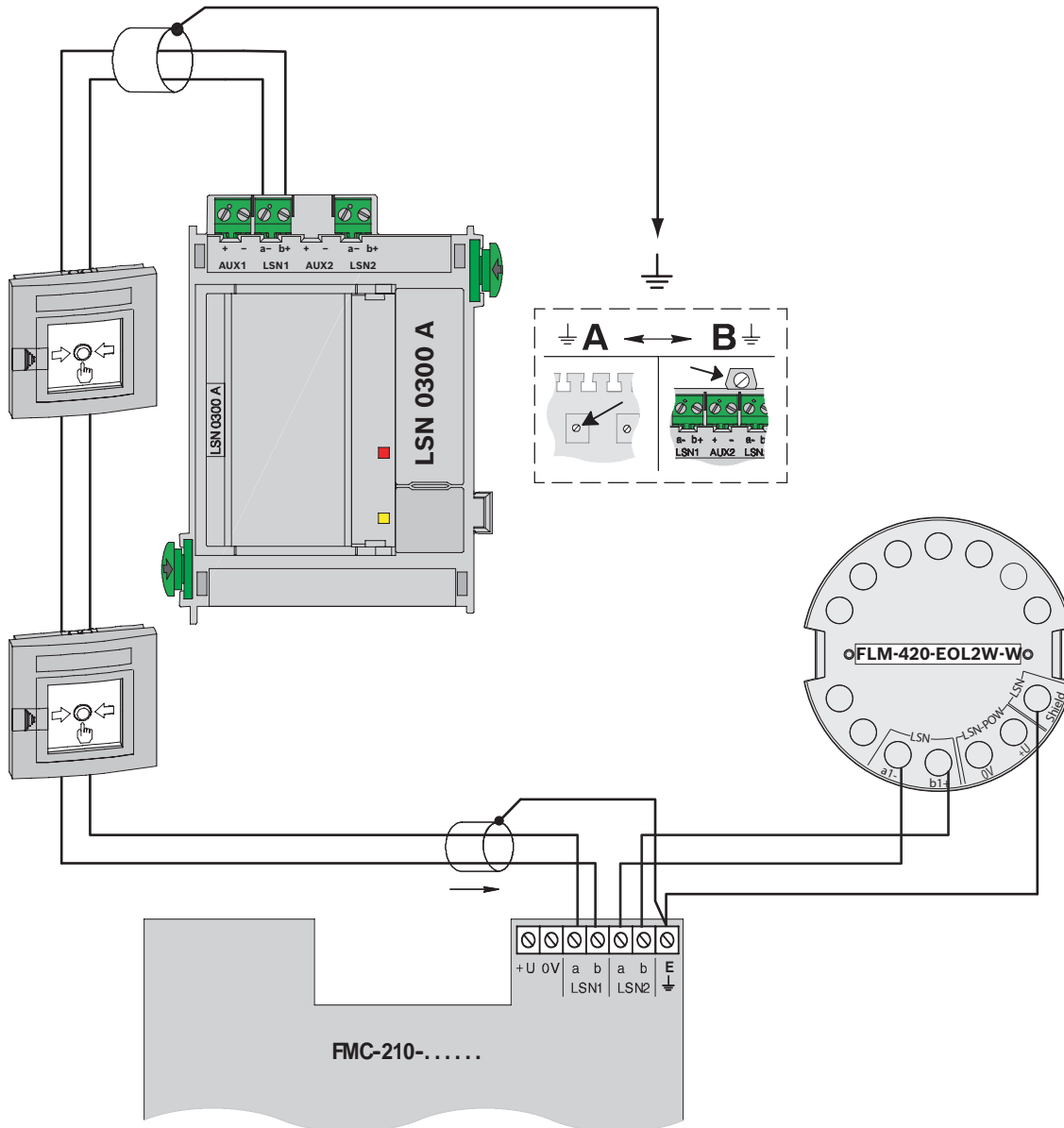


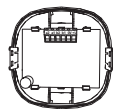


FMC-210...

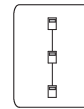


ELS

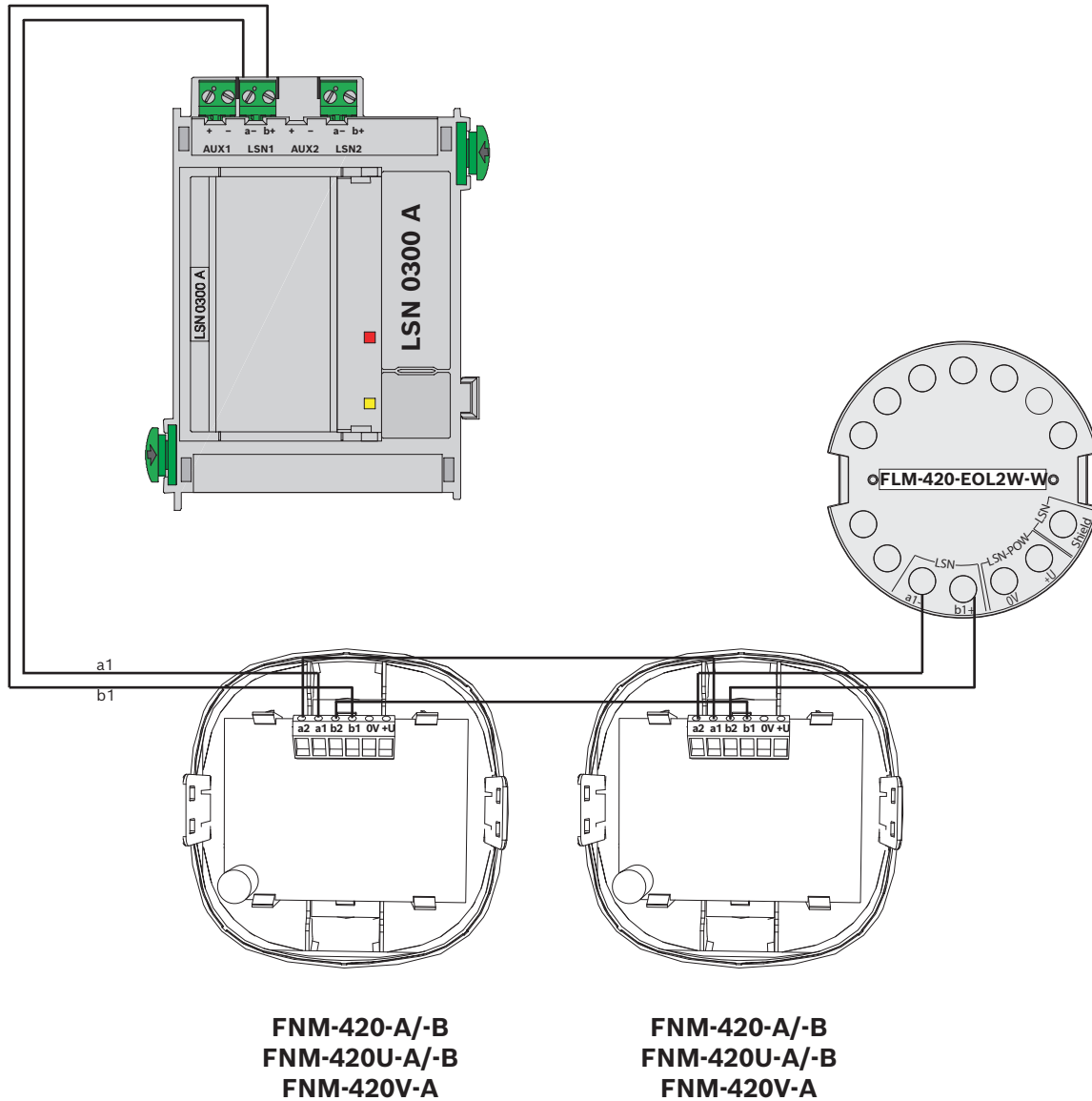




FNM-420-A /-B
FNM-420U-A /-B
FNM-420V-A

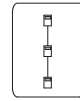


ELS

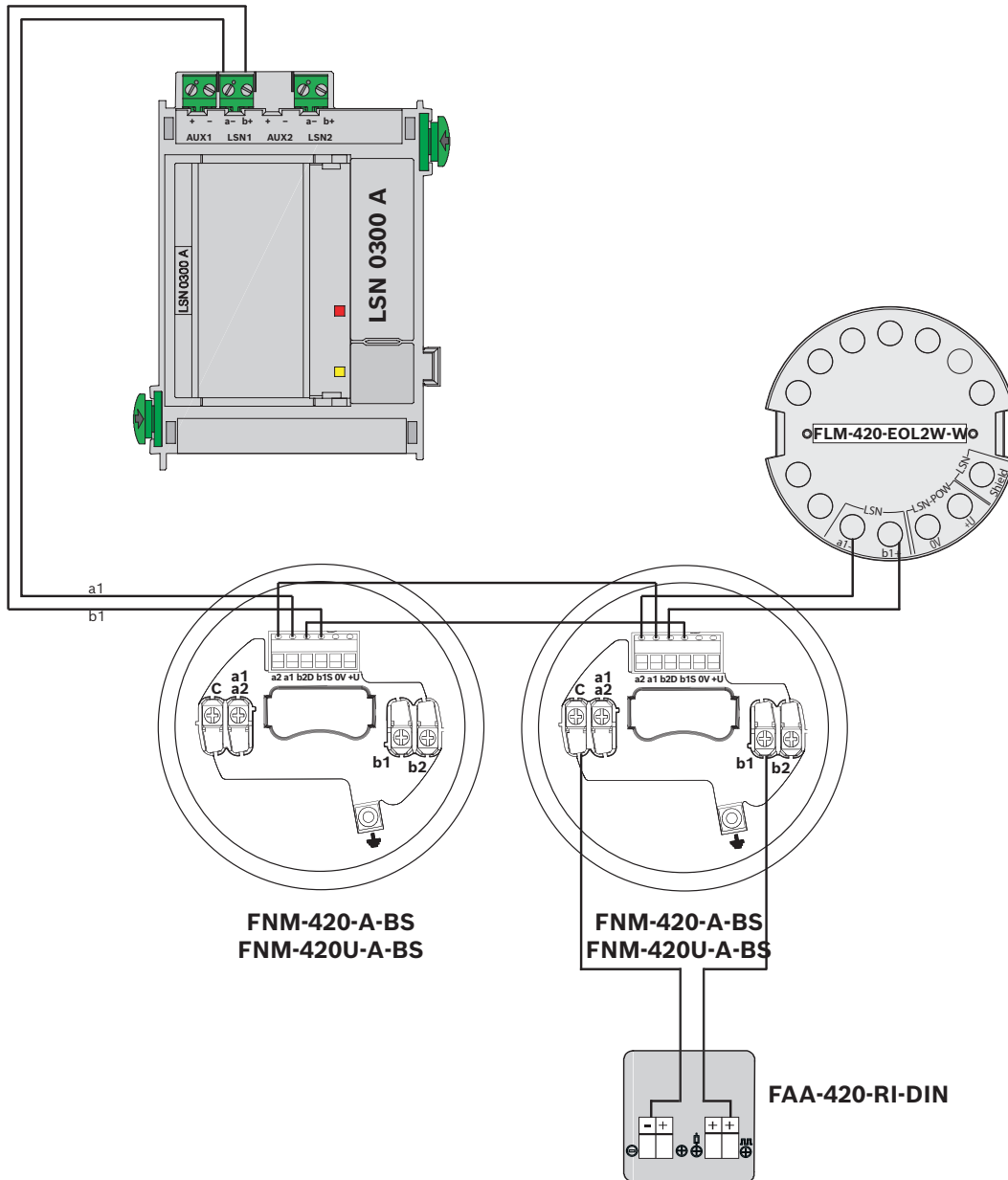




FNM-420-A-BS
FNM-420U-A-BS



ELS

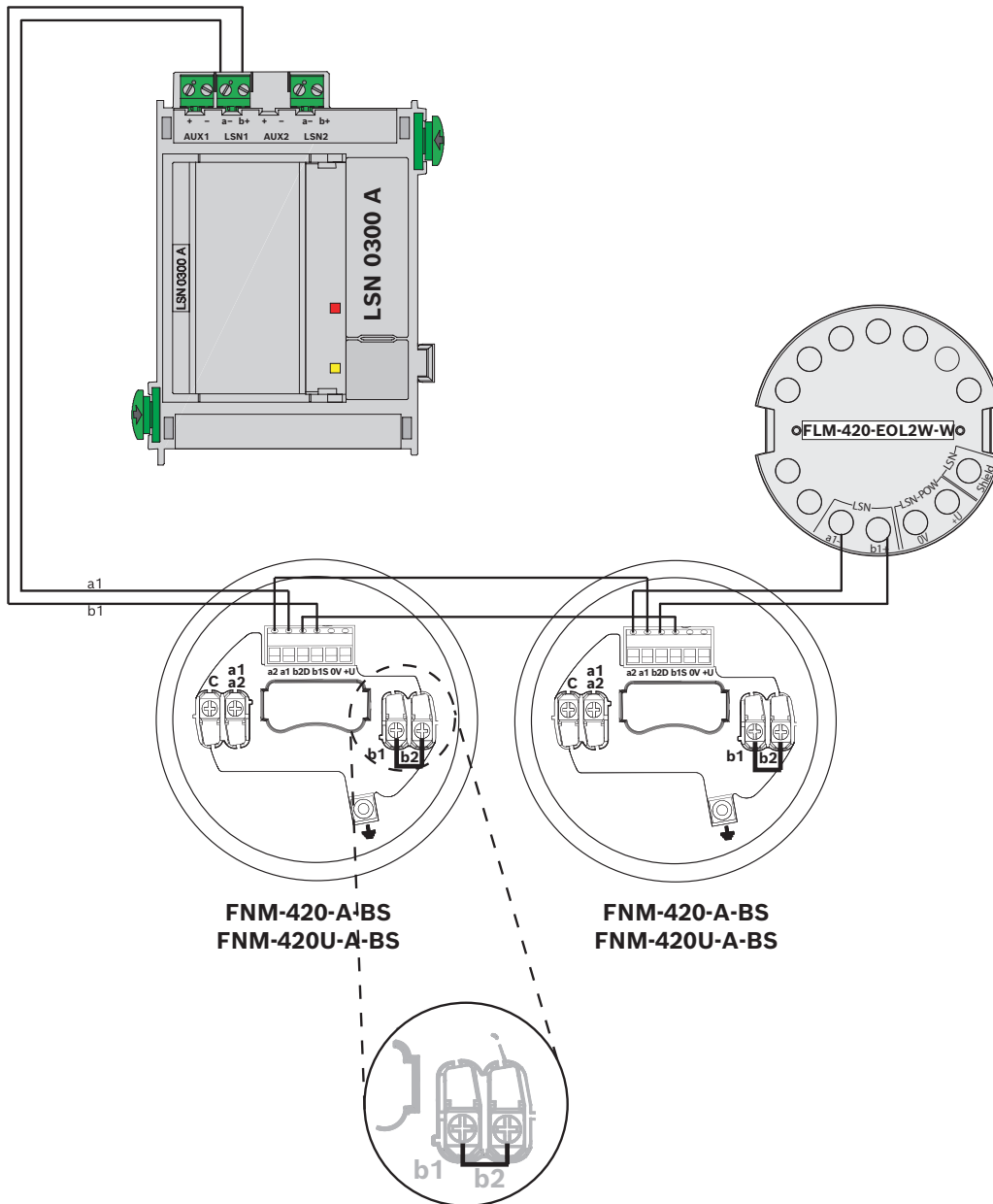




FNM-420-A-BS
FNM-420U-A-BS



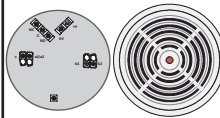
ELC



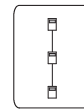
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FNM-420U-A-BS

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

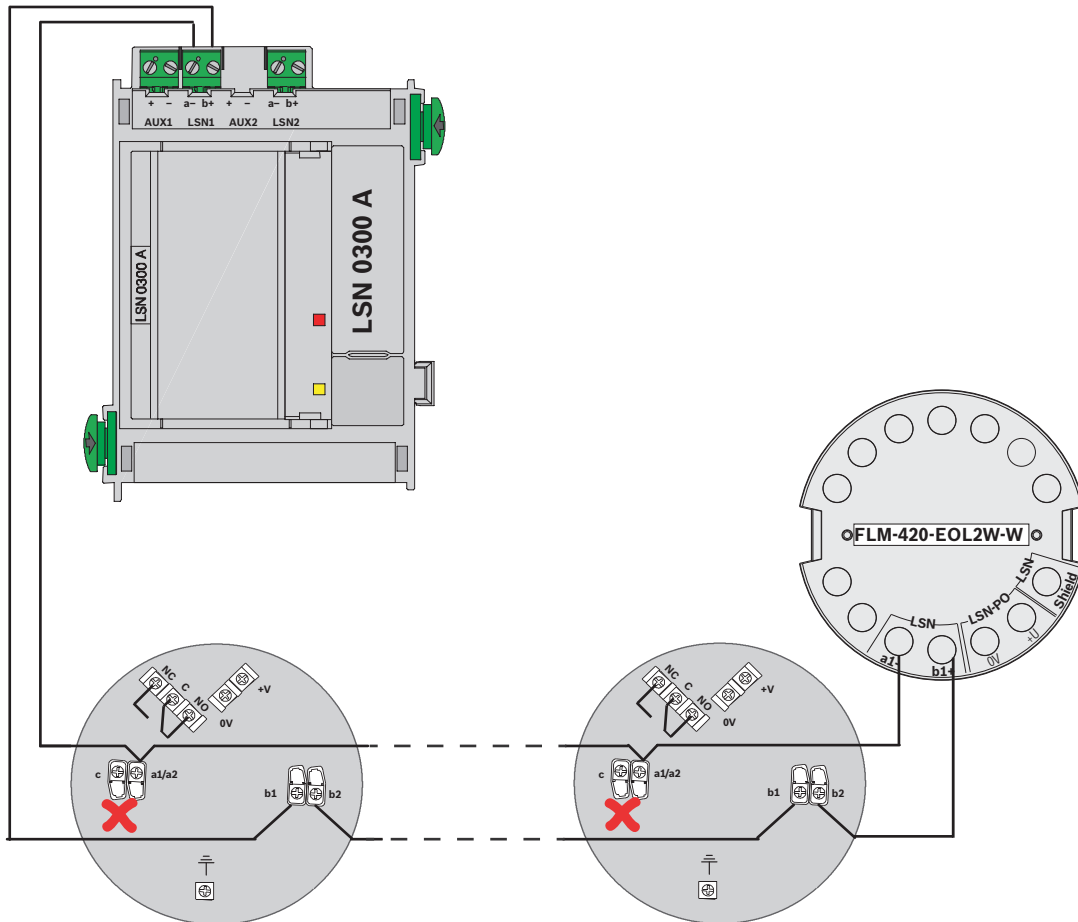
b1 b2

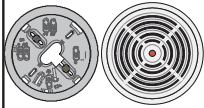


FAA-MSR-420
FAP-425-O, FAP-425-O-R
FAP-425-OT, FAP-425-OT-R
FAP-425-T-R
FAP-425-DO-R, FAP-425-DOT-R
FAP-425-DOTC-R, FAP-425-DOTCO-R



ELS

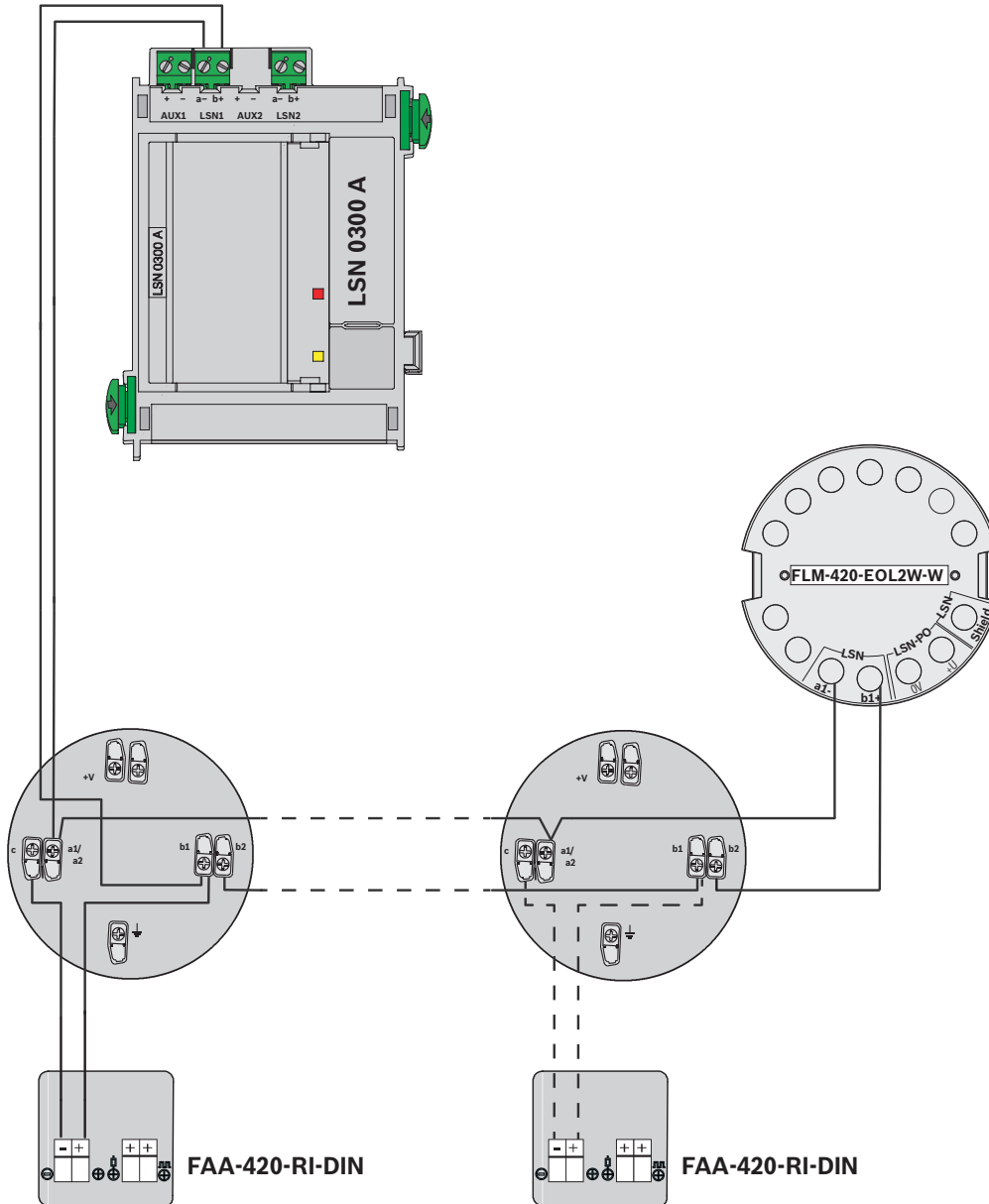


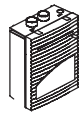


MS 400, MS 400 B
 FAP-425-O, FAP-425-O-R
 FAP-425-OT, FAP-425-OT-R
 FAP-425-T-R
 FAP-425-DO-R, FAP-425-DOT-R
 FAP-425-DOTC-R, FAP-425-DOTCO-R

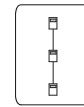


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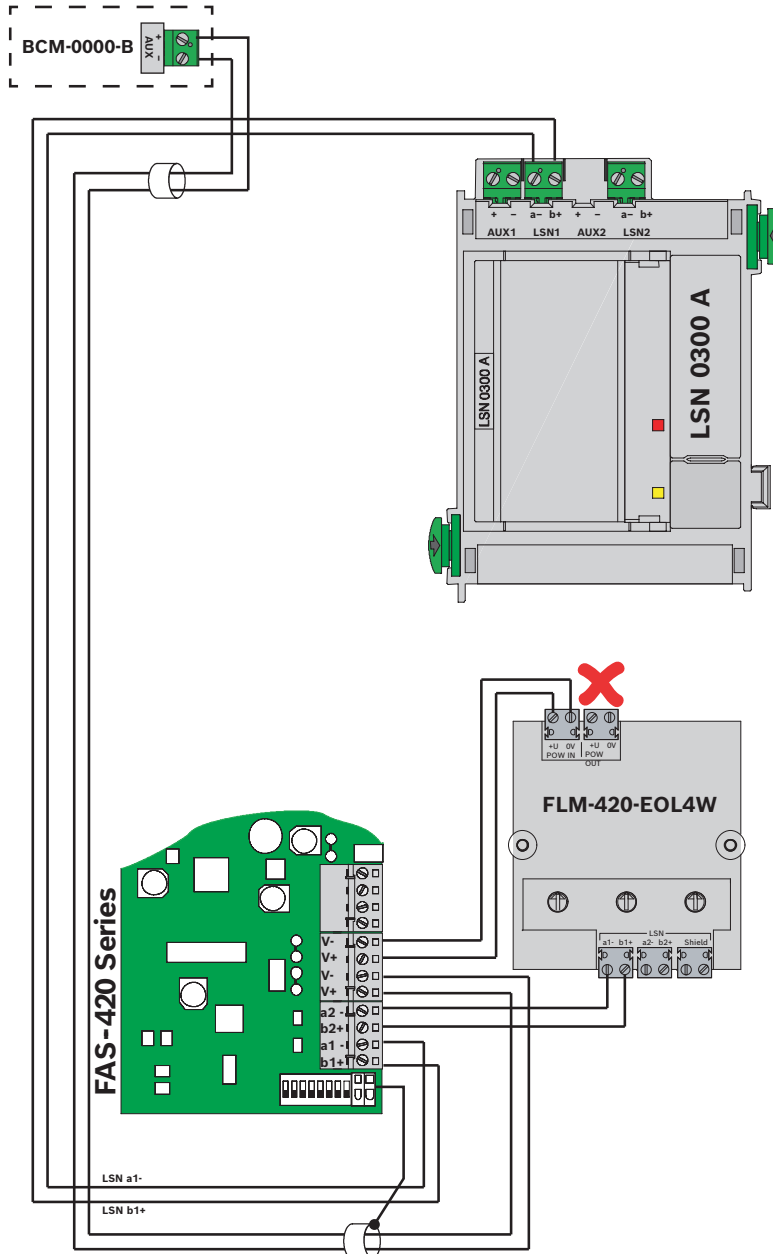


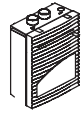


FAS-420 Series

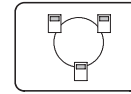


ELS

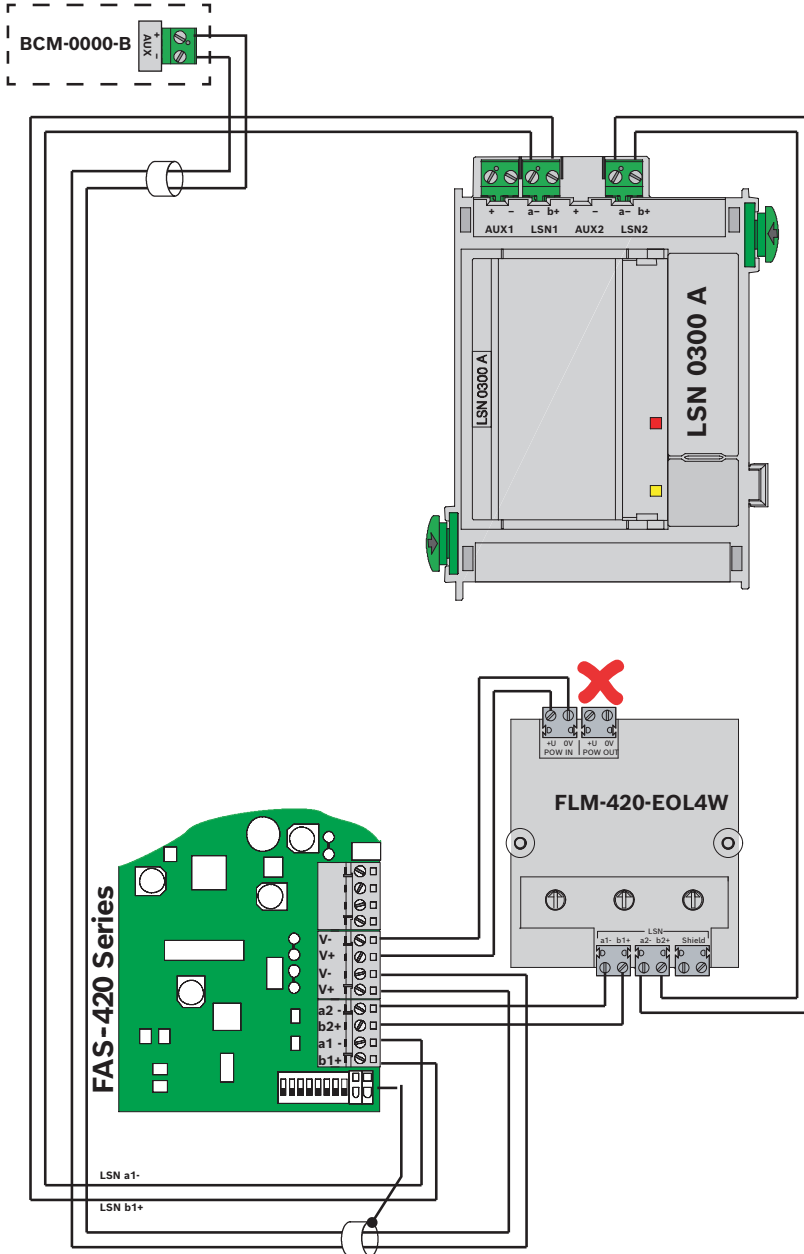


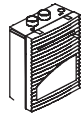


FAS-420 Series

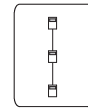


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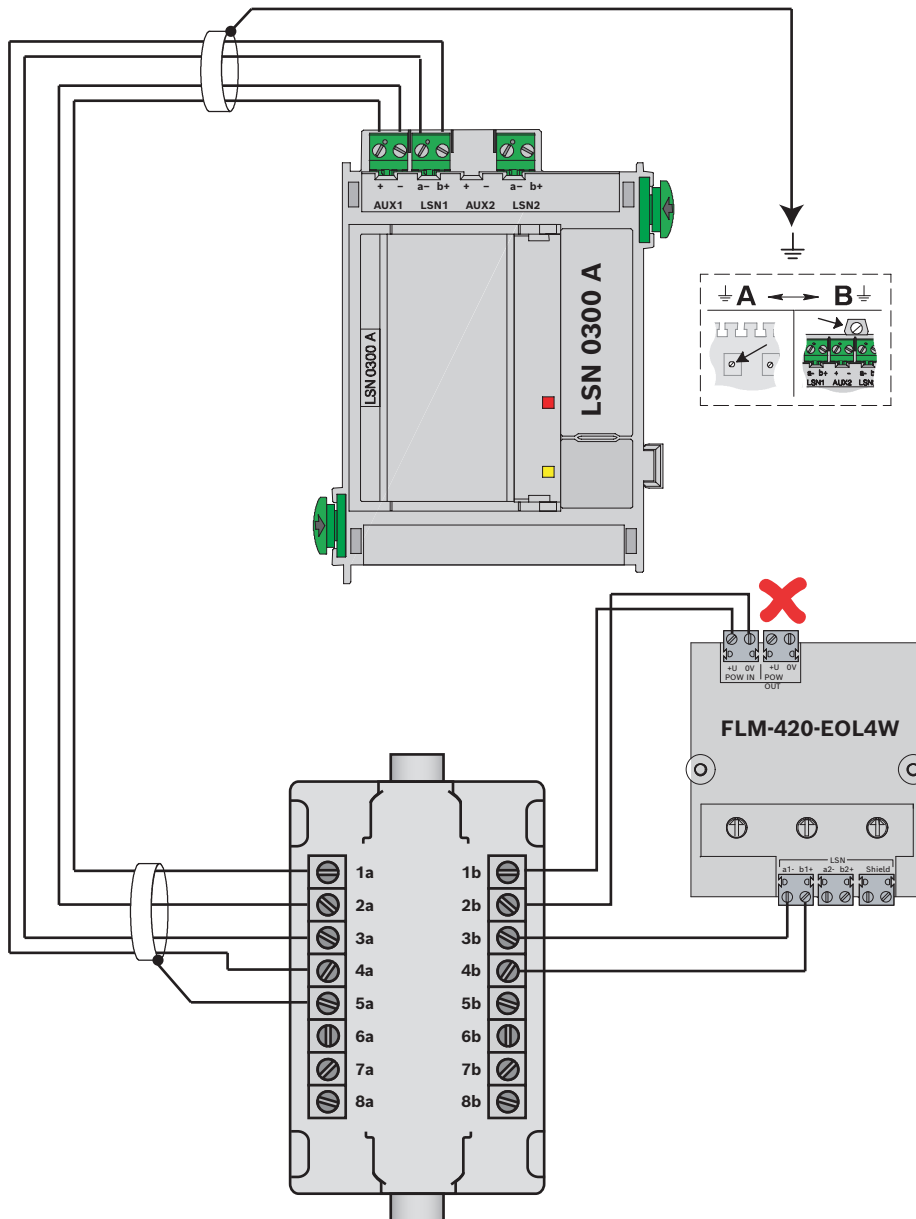


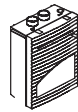


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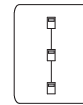


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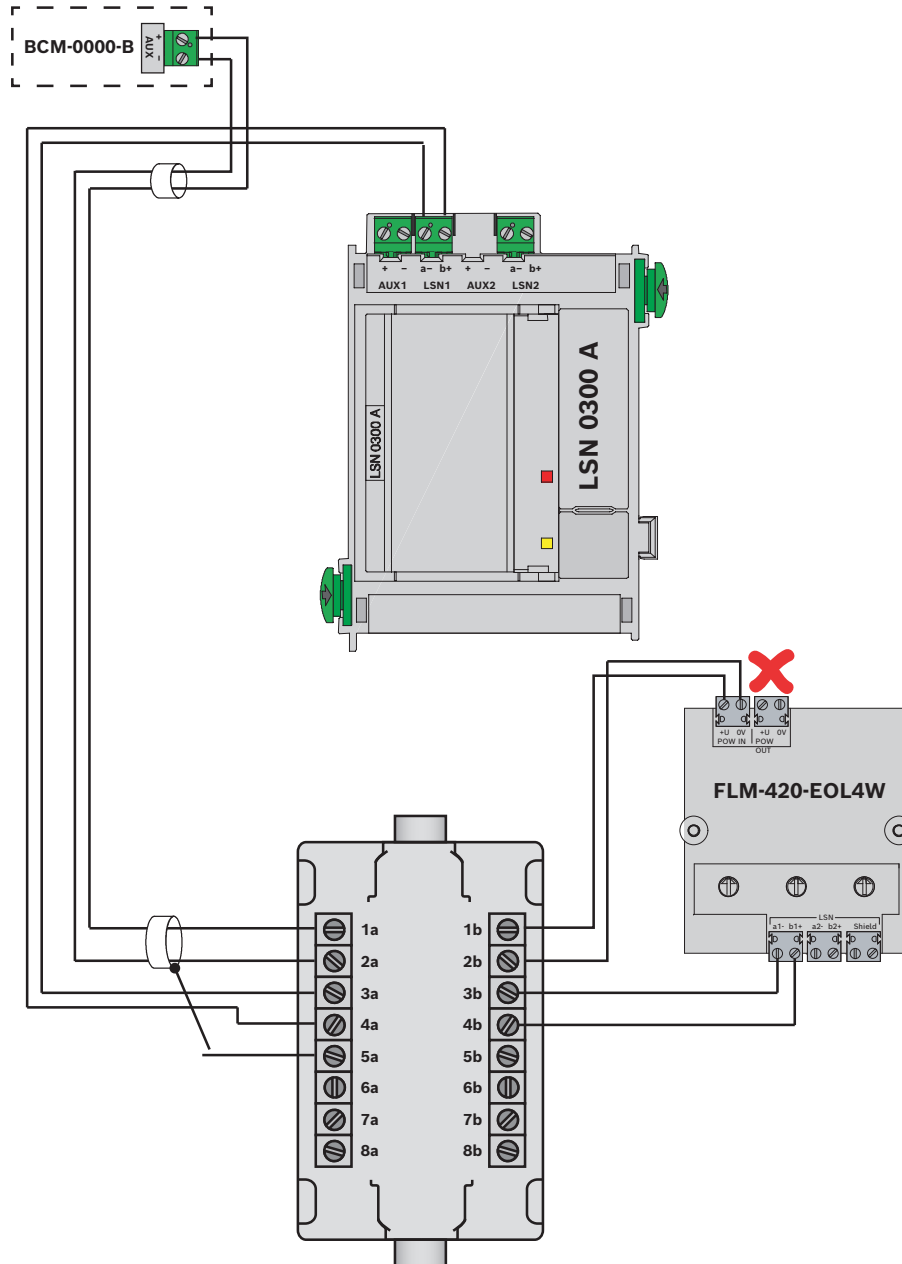


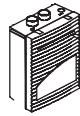


FAS-420-TM Series

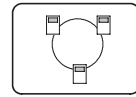


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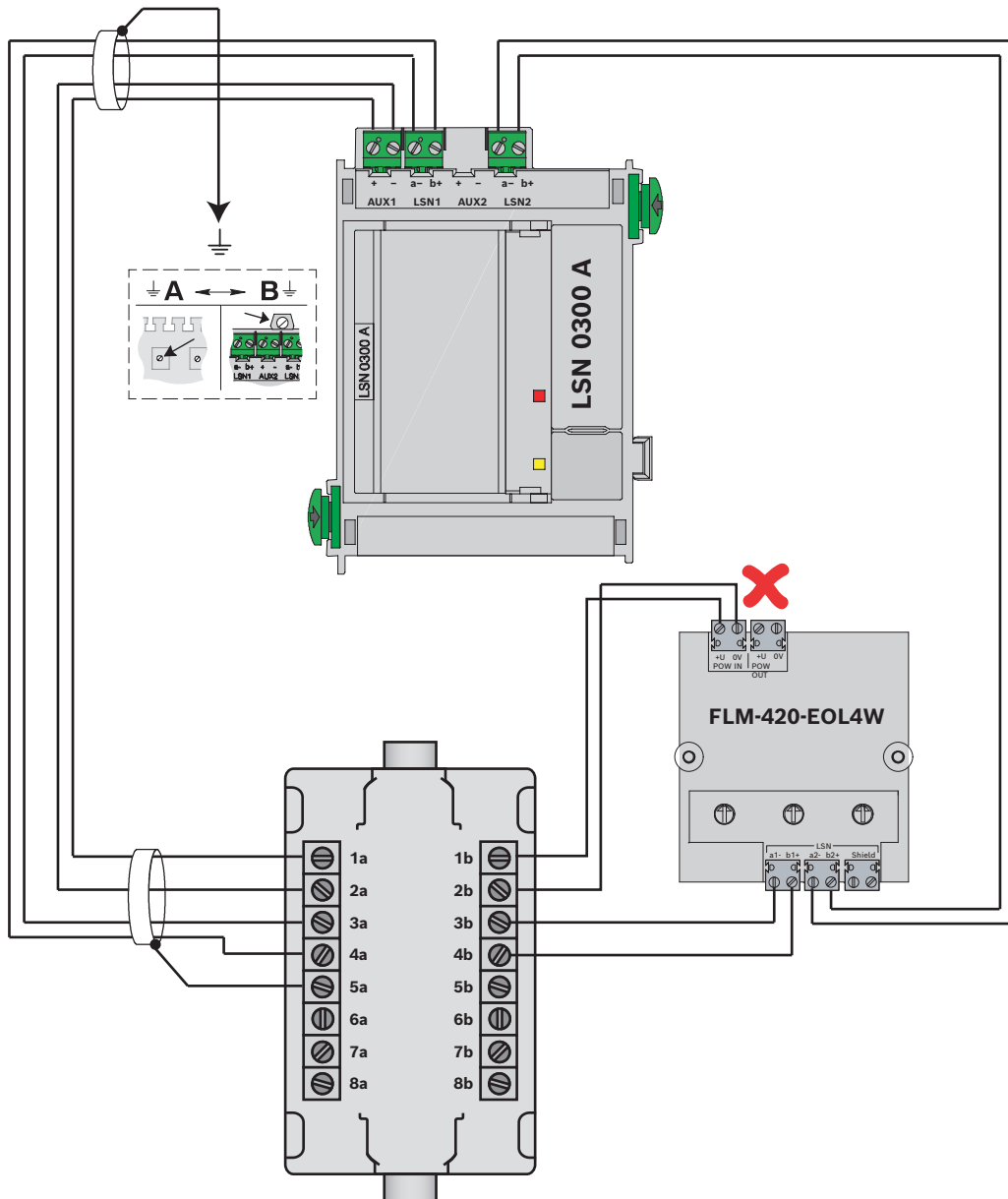


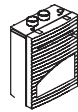


FAS-420-TM Series

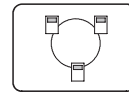


ELS

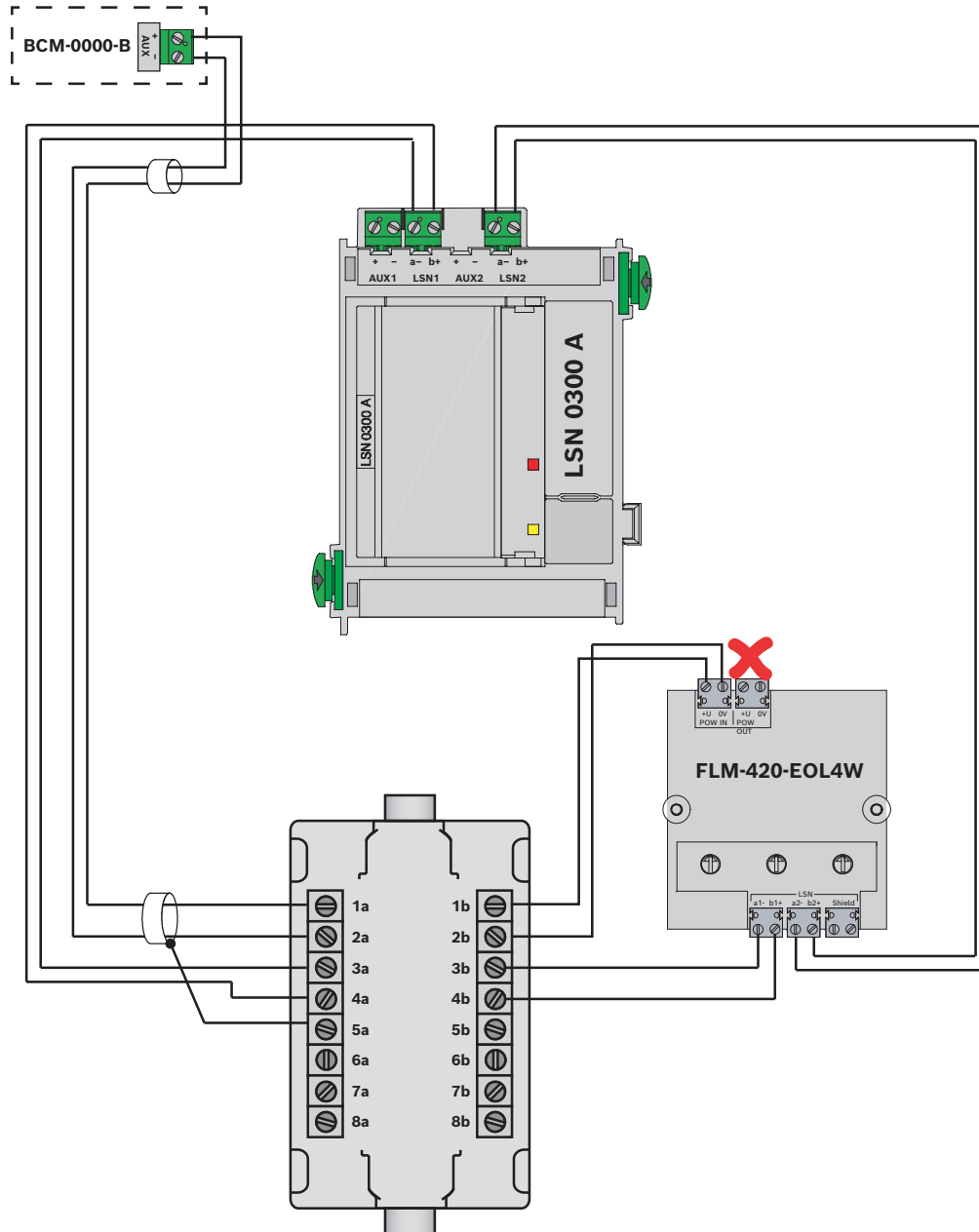




FAS-420-TM Series

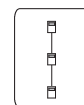


ELS

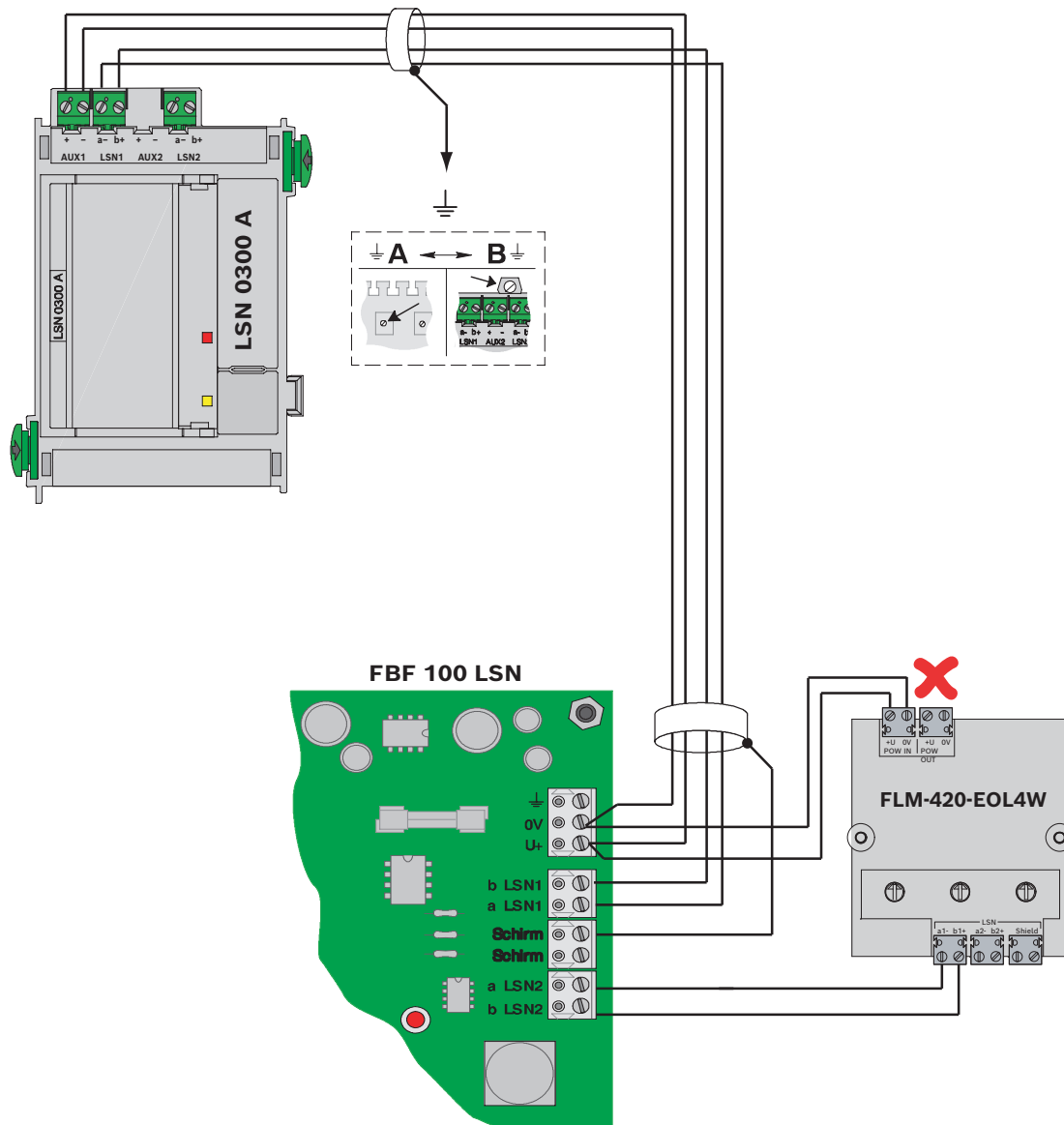


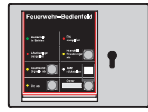


FBFB 100 LSN

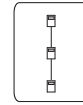


ELS

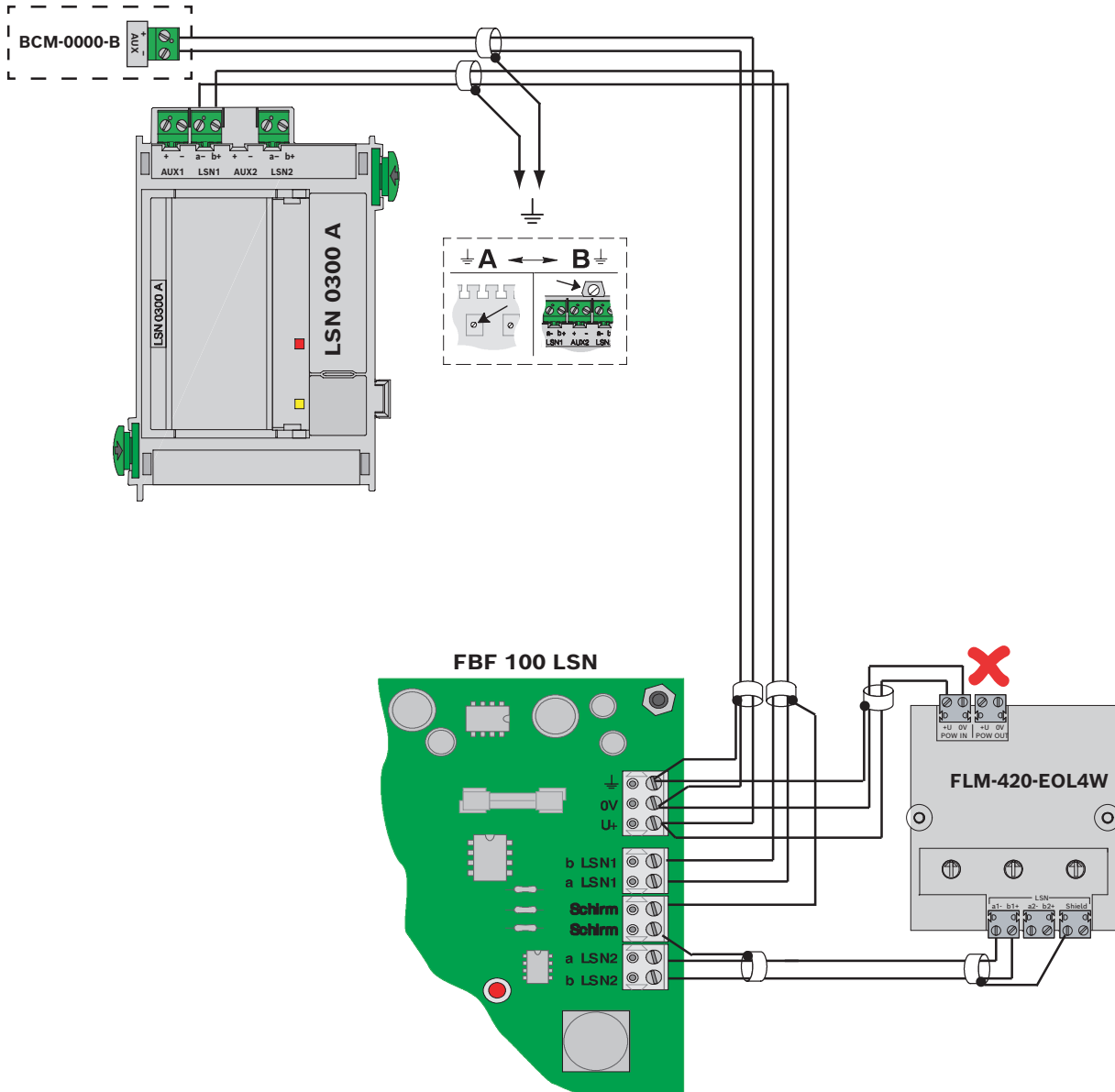




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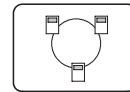


ELS

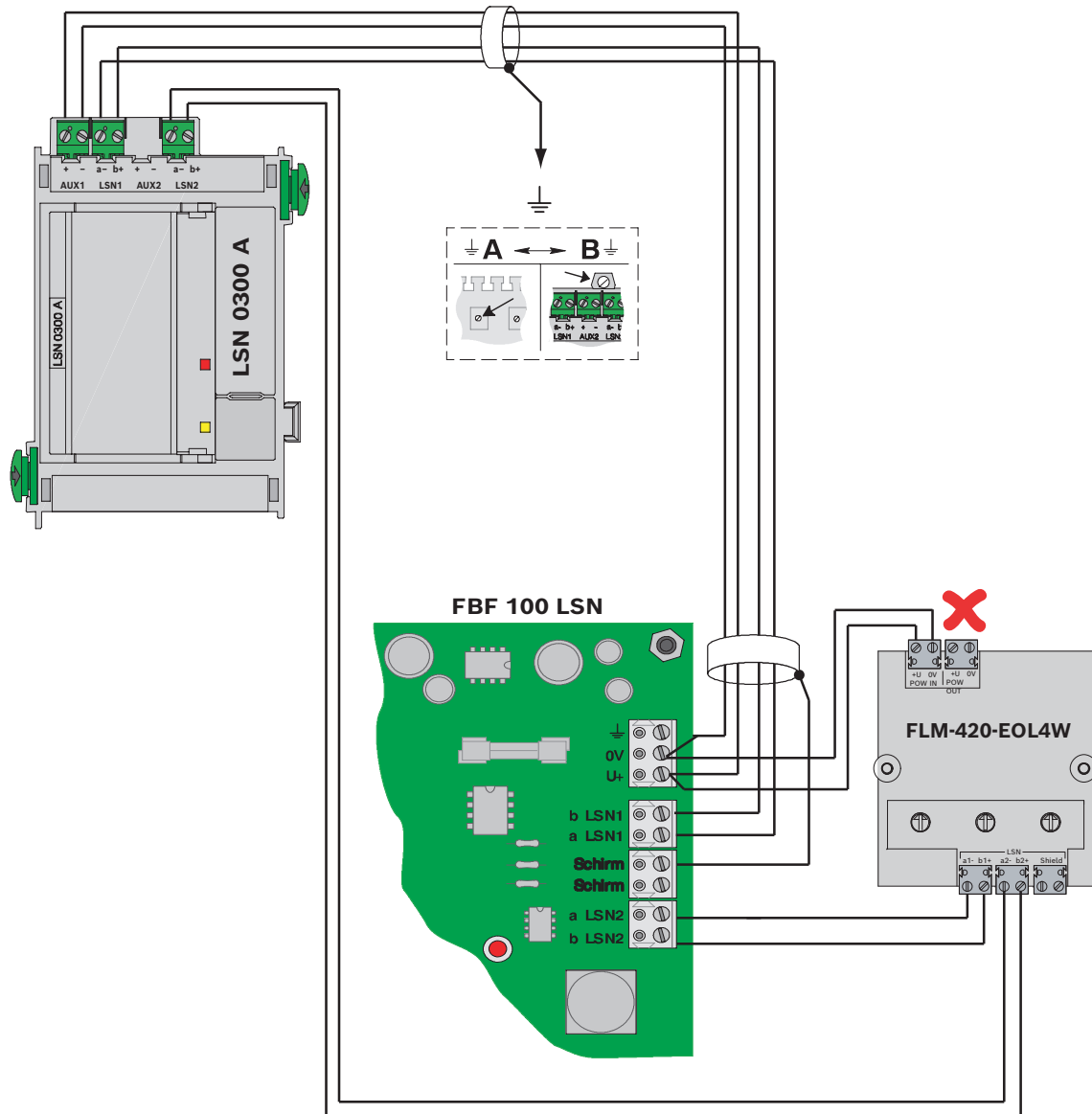




FBF 100 LSN

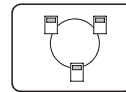


ELS

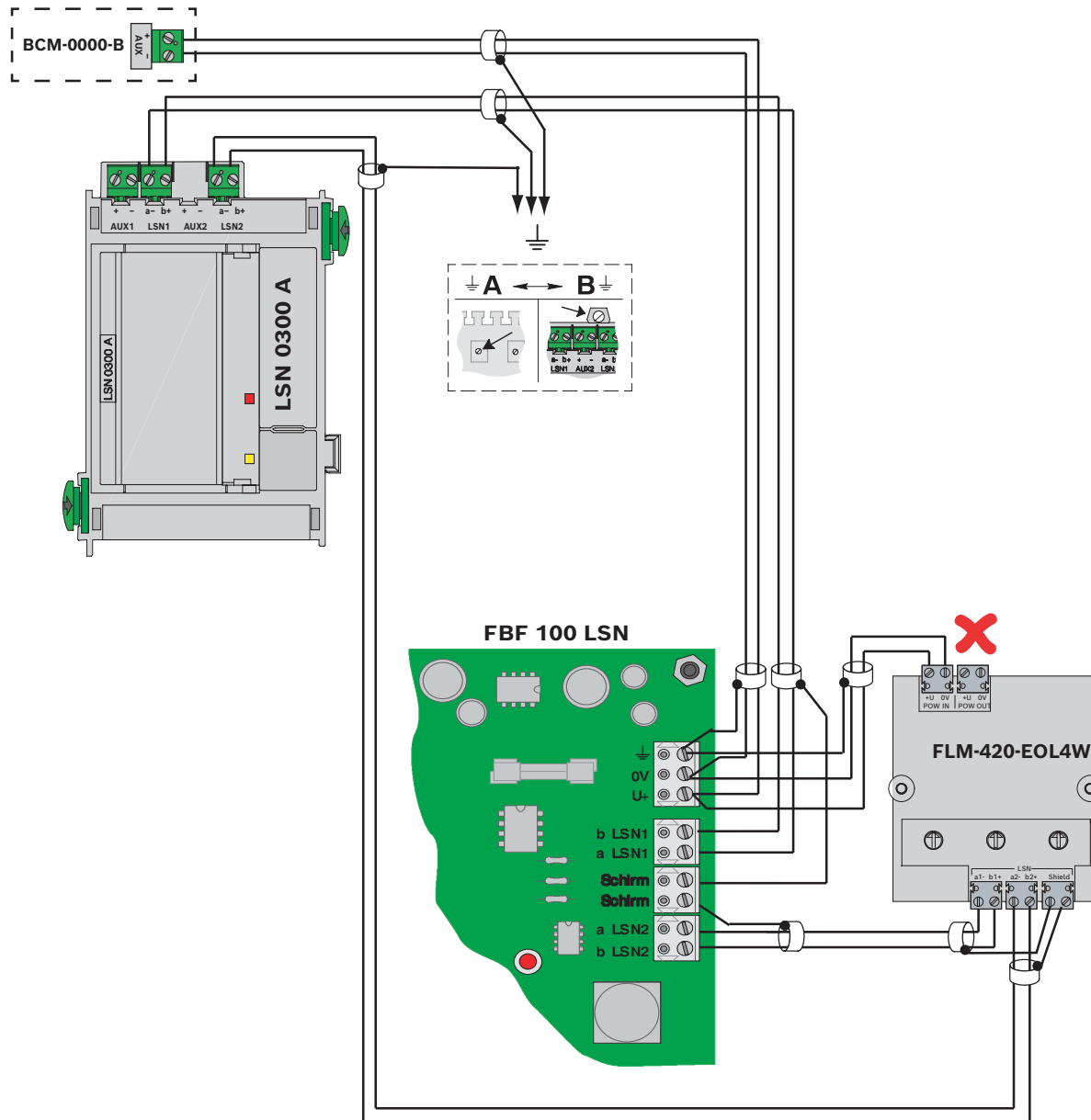


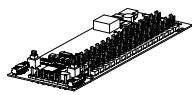


FBF 100 LSN

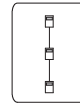


ELS

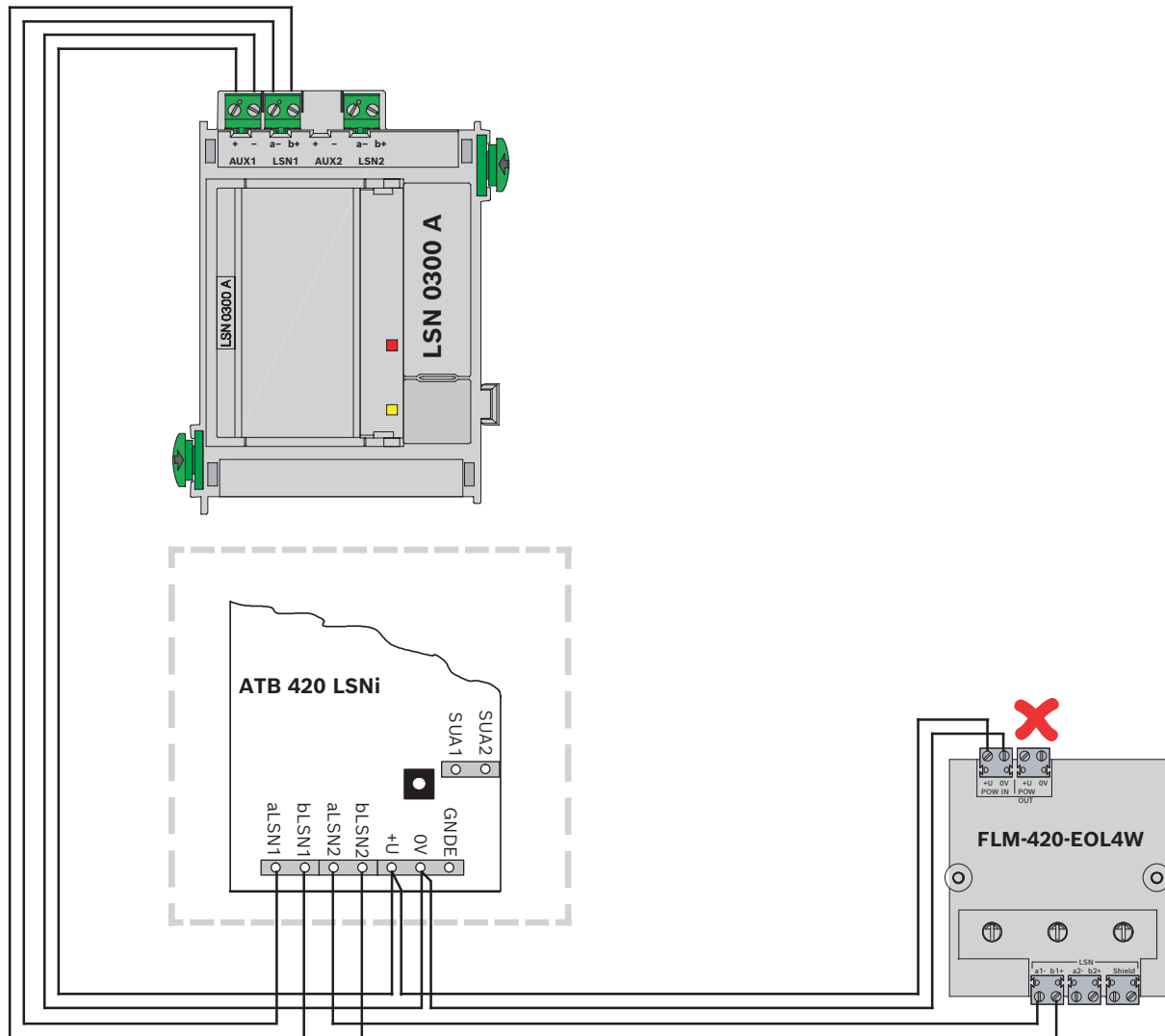


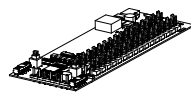
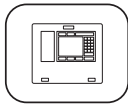


ATB 420 LSNi

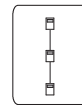


ELS

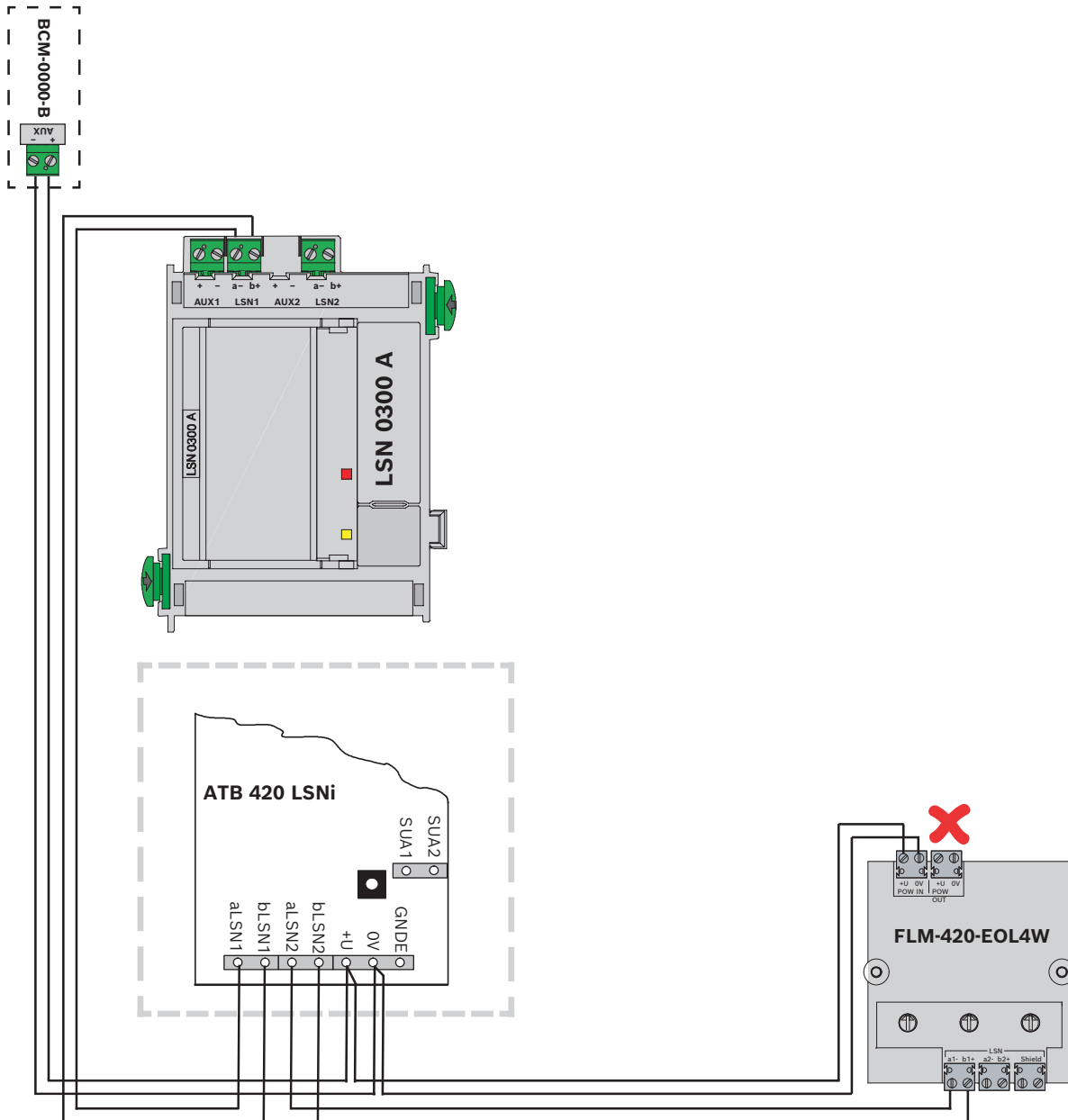


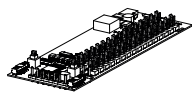


ATB 420 LSNi

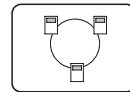


ELS

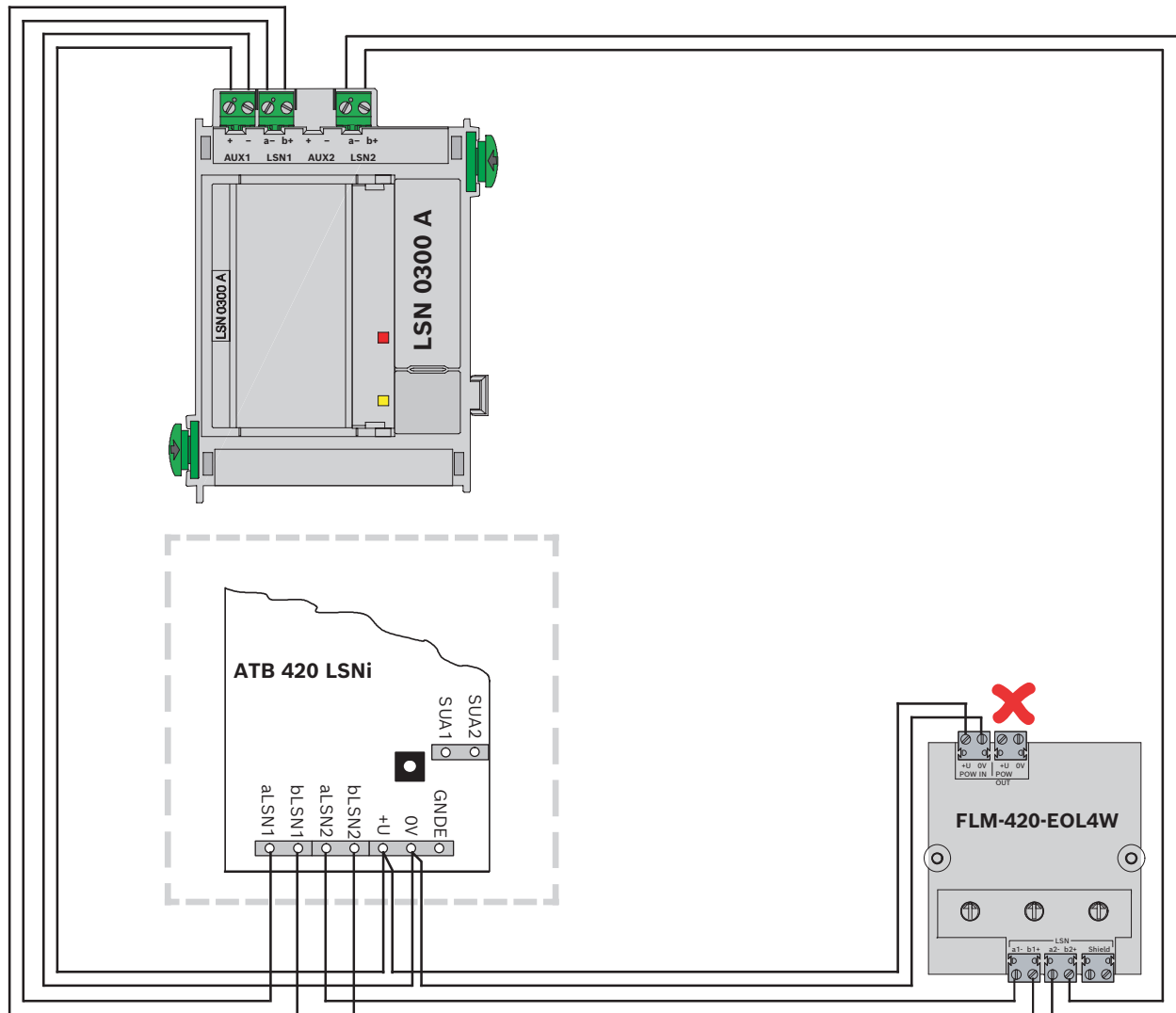


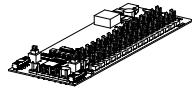


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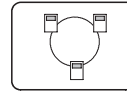


ELS

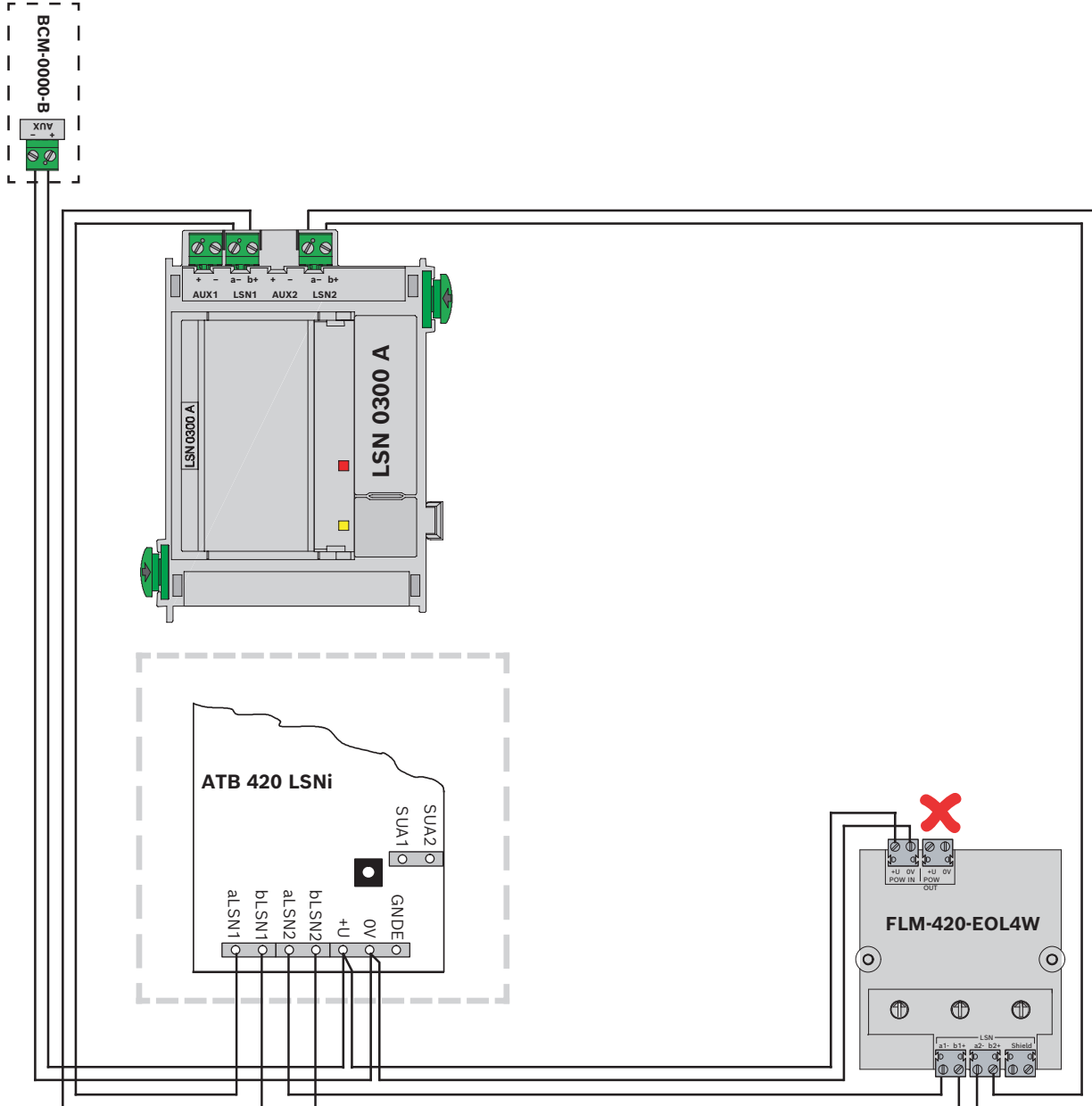




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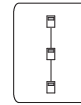


ELS

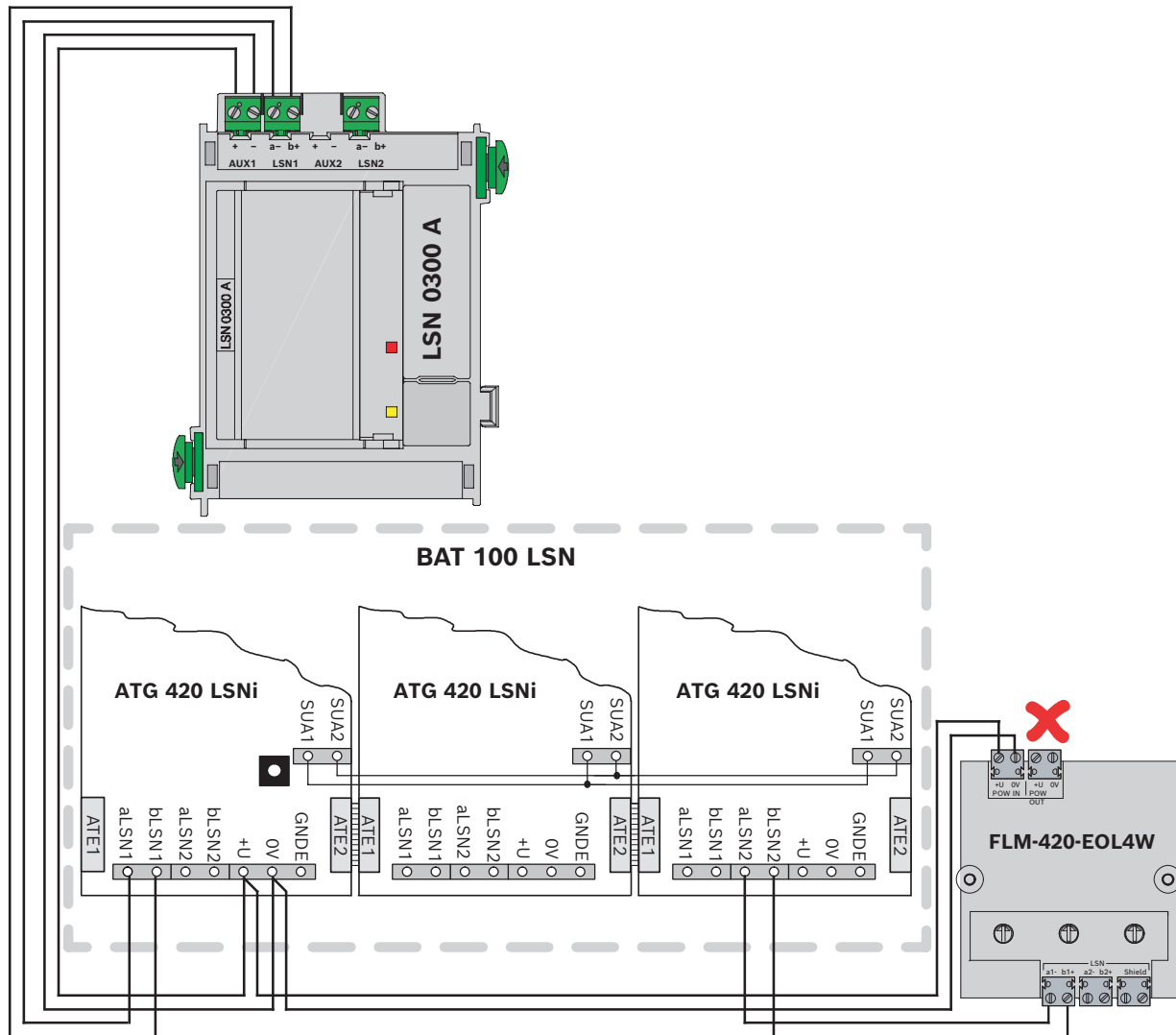




BAT 100 LSN
ATG 420 LSNi

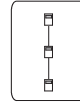


ELS

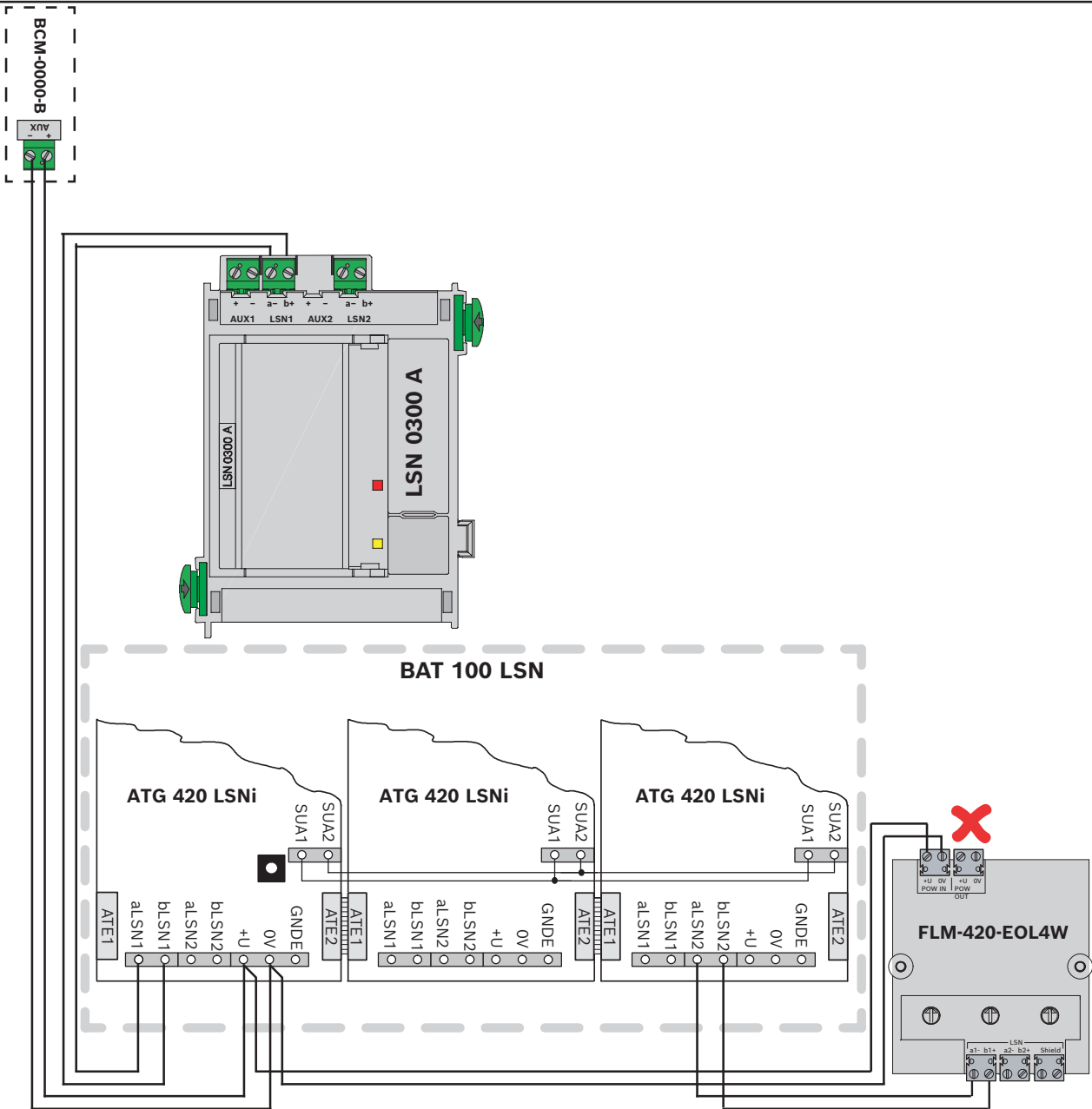




BAT 100 LSN
ATG 420 LSNi

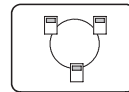


ELS

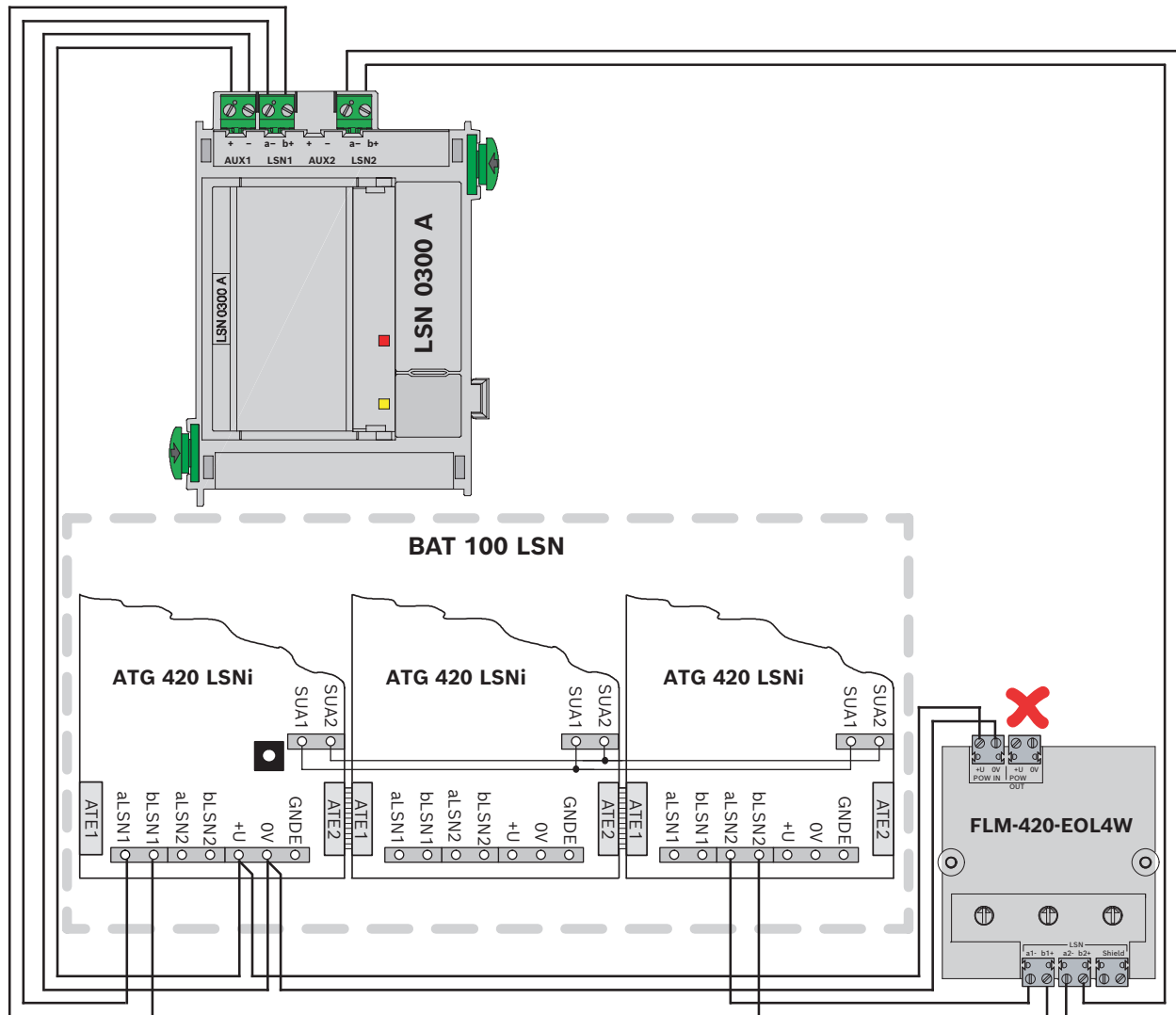




**BAT 100 LSN
ATG 420 LSNi**

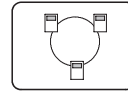


ELS

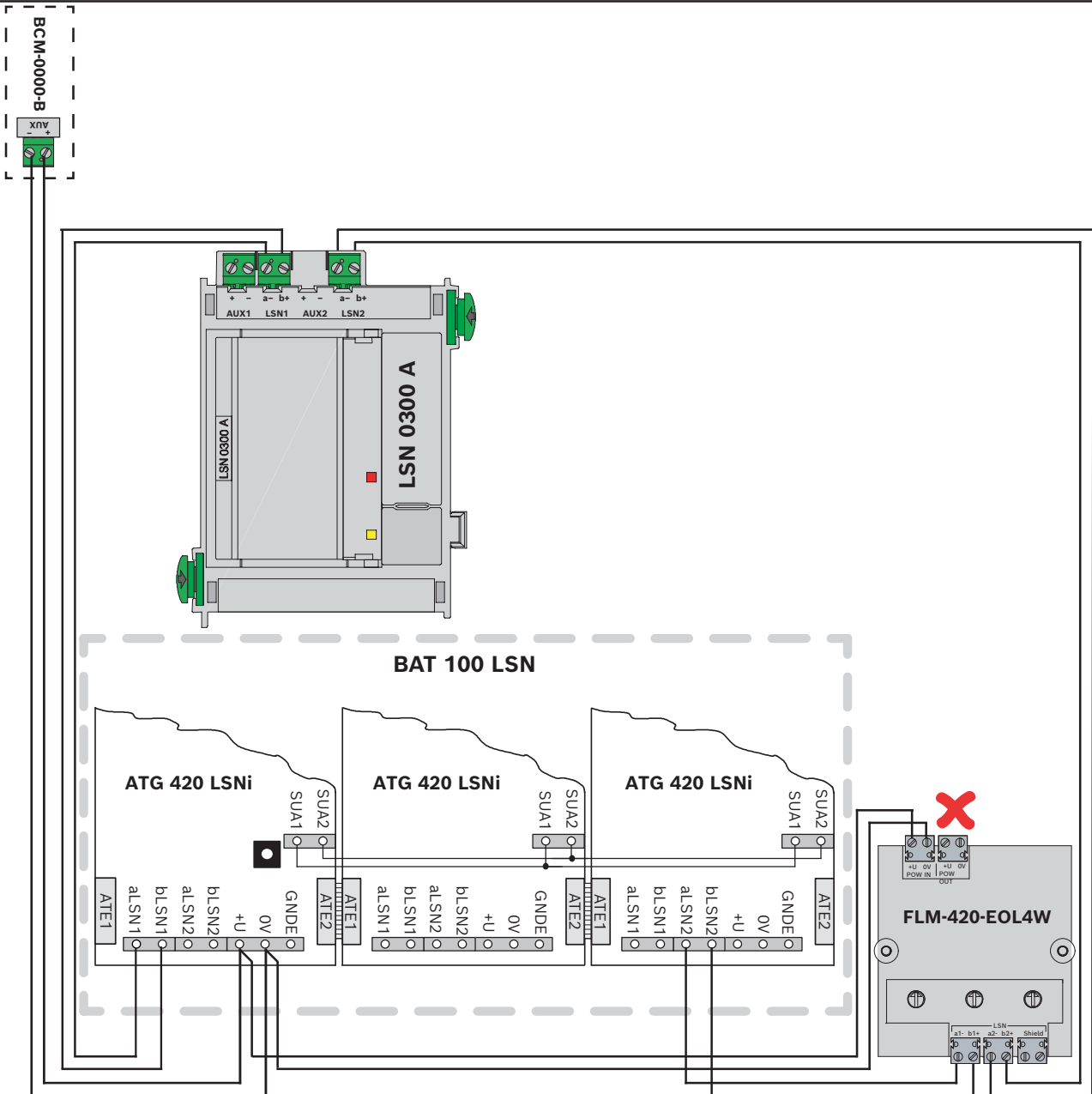


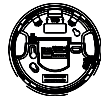


BAT 100 LSN
ATG 420 LSNi



ELS

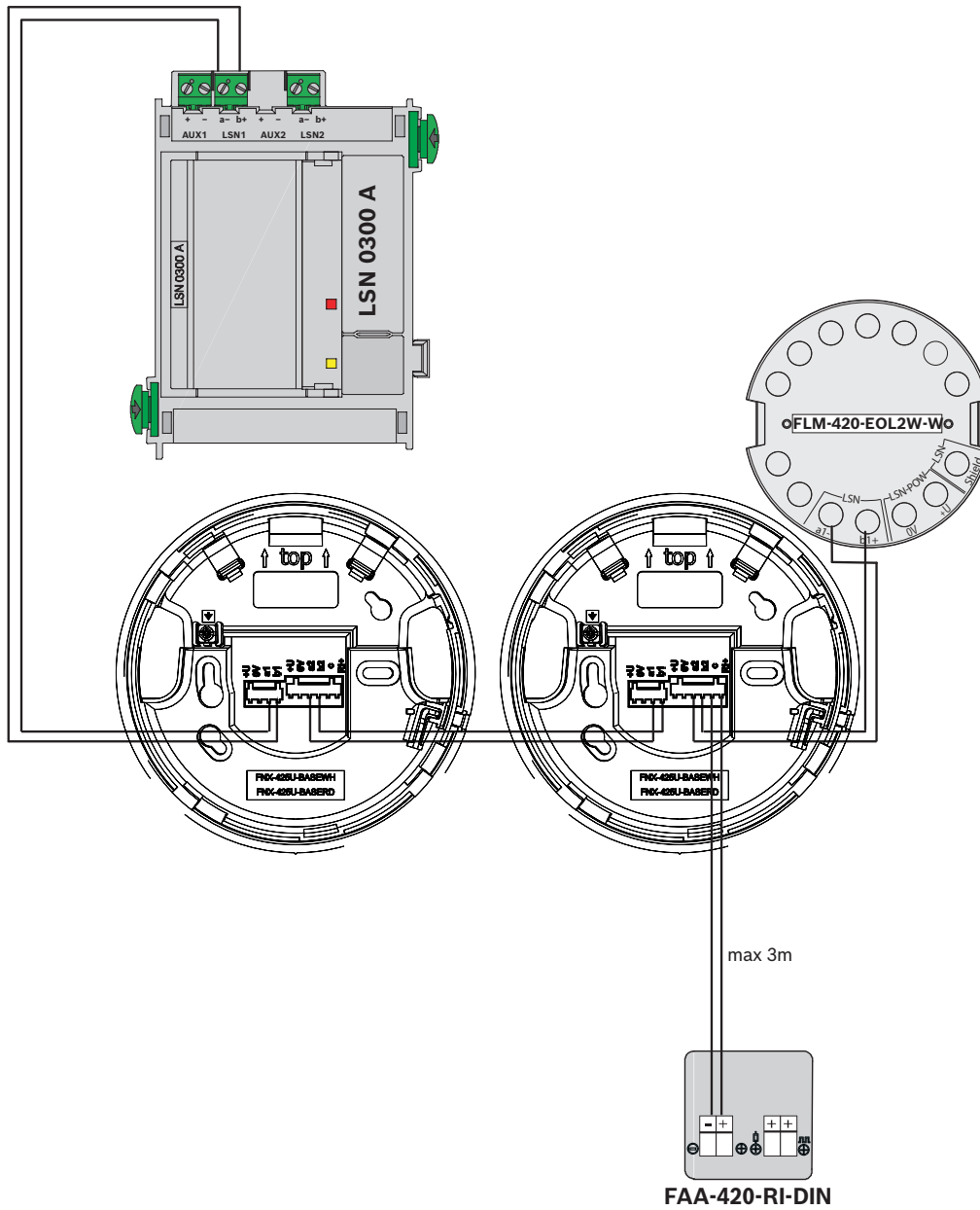




FNX-425U-WFWH
FNX-425U-RFWH
FNX-425U-WFRD
FNX-425U-RFRD



ELS



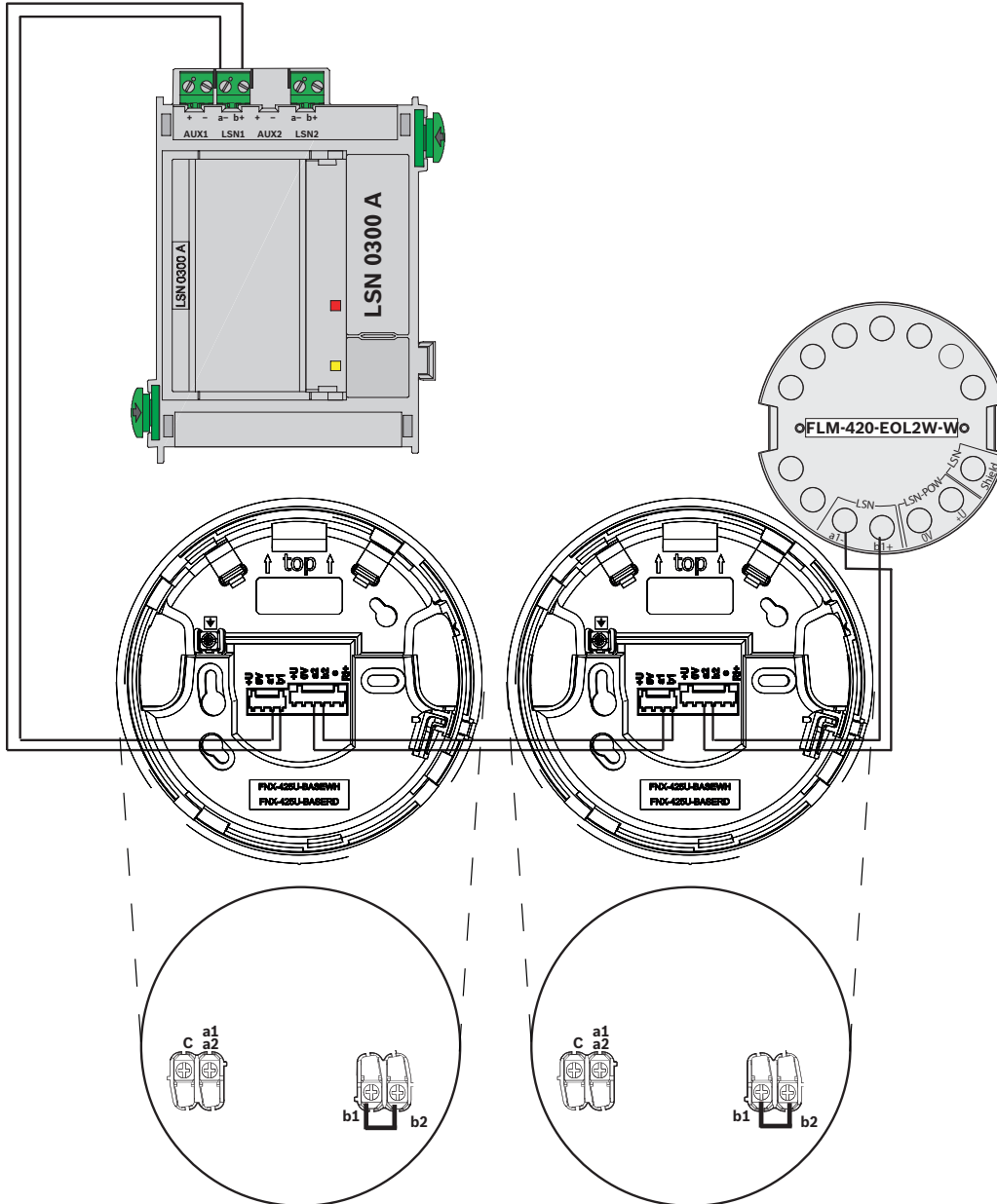


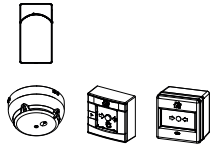
FNX-425U-WFWH
FNX-425U-RFWH
FNX-425U-WFRD
FNX-425U-RFRD

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



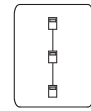
ELS



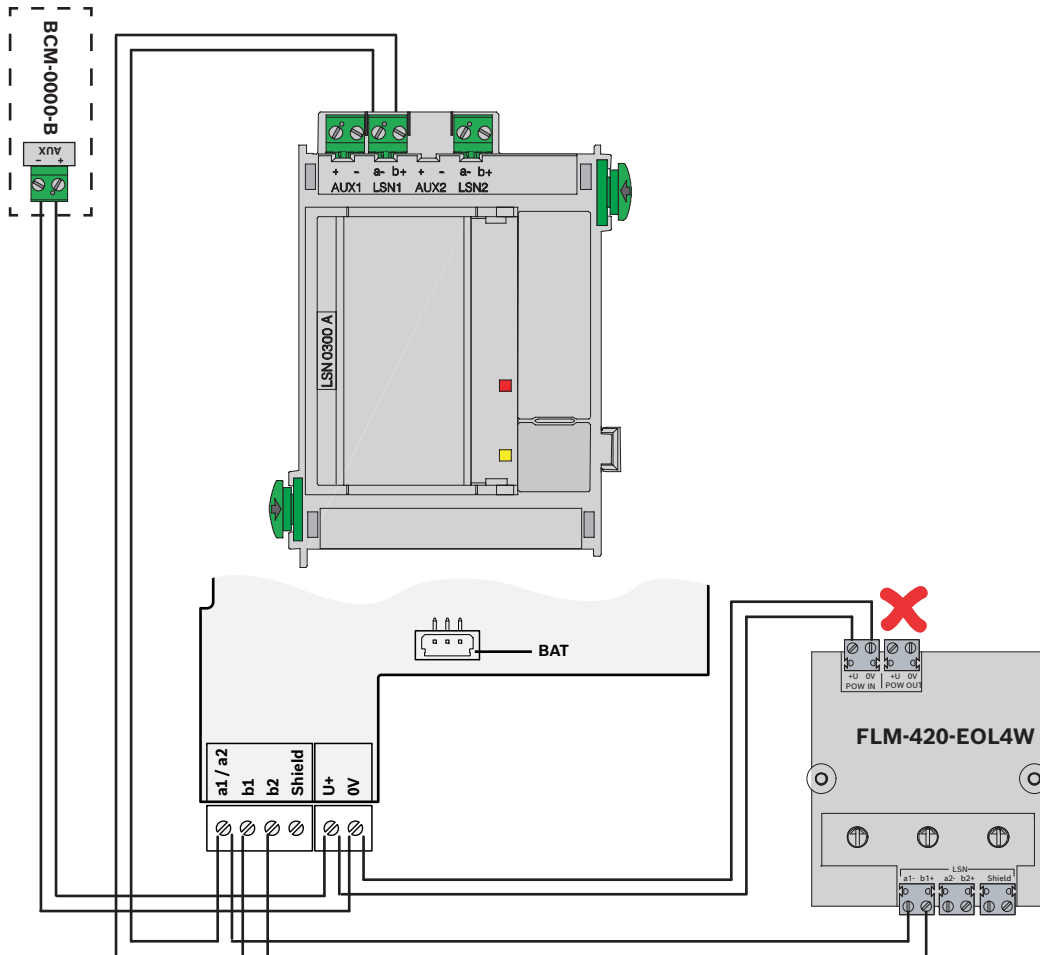


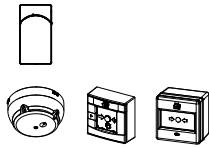
FWI-270

FDOOT271-O
FDM275-O
FDM273-O



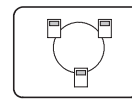
ELS



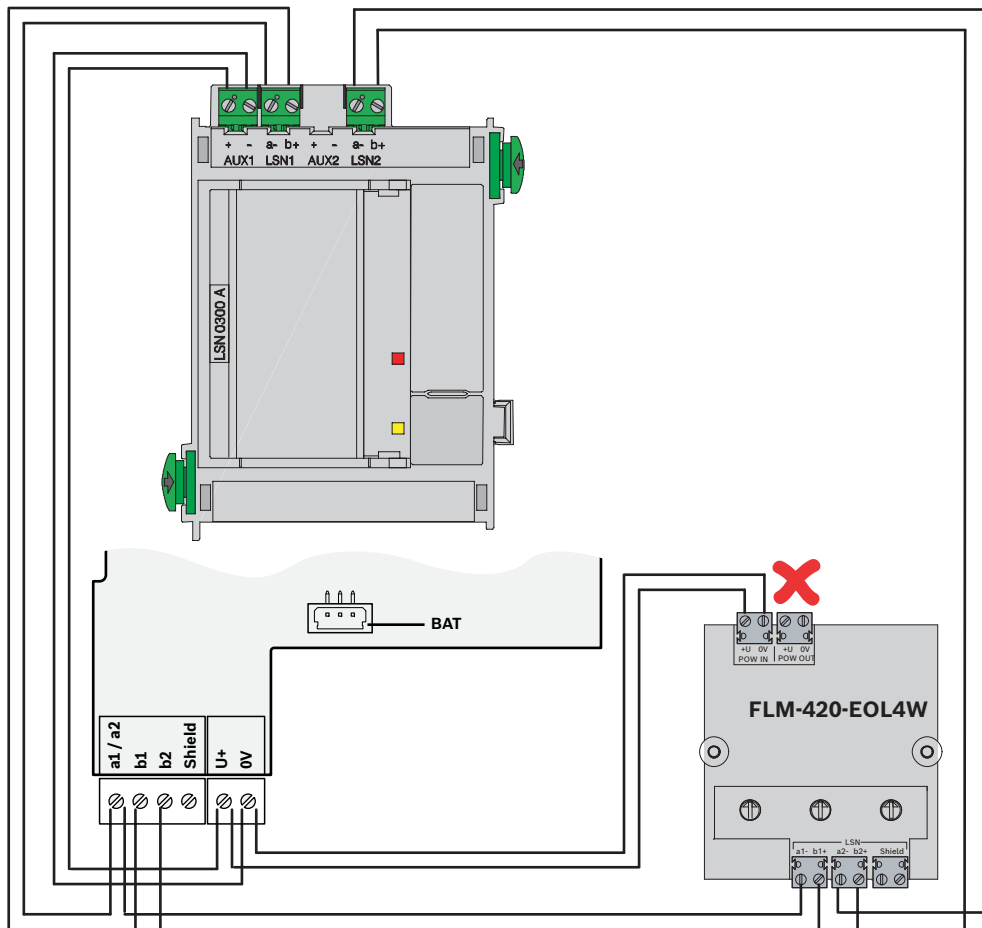


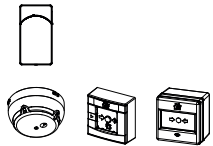
FWI-270

FDOOT271-O
FDM275-O
FDM273-O



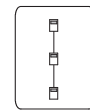
ELS



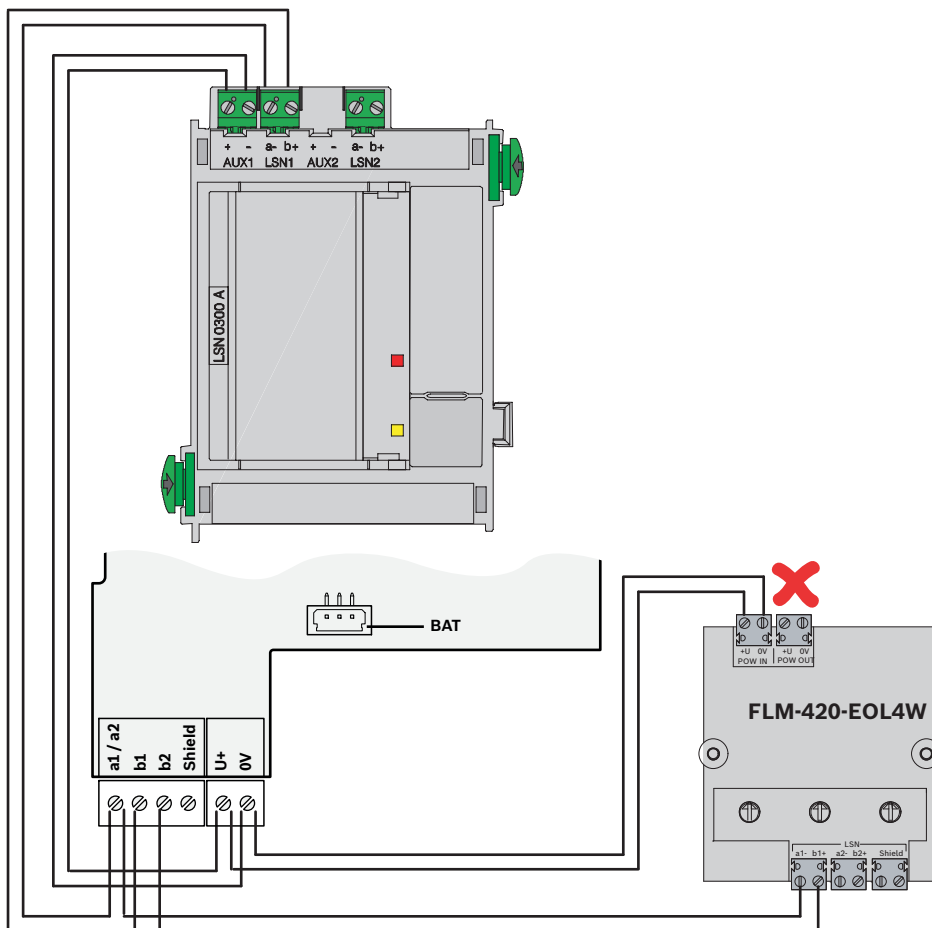


FWI-270

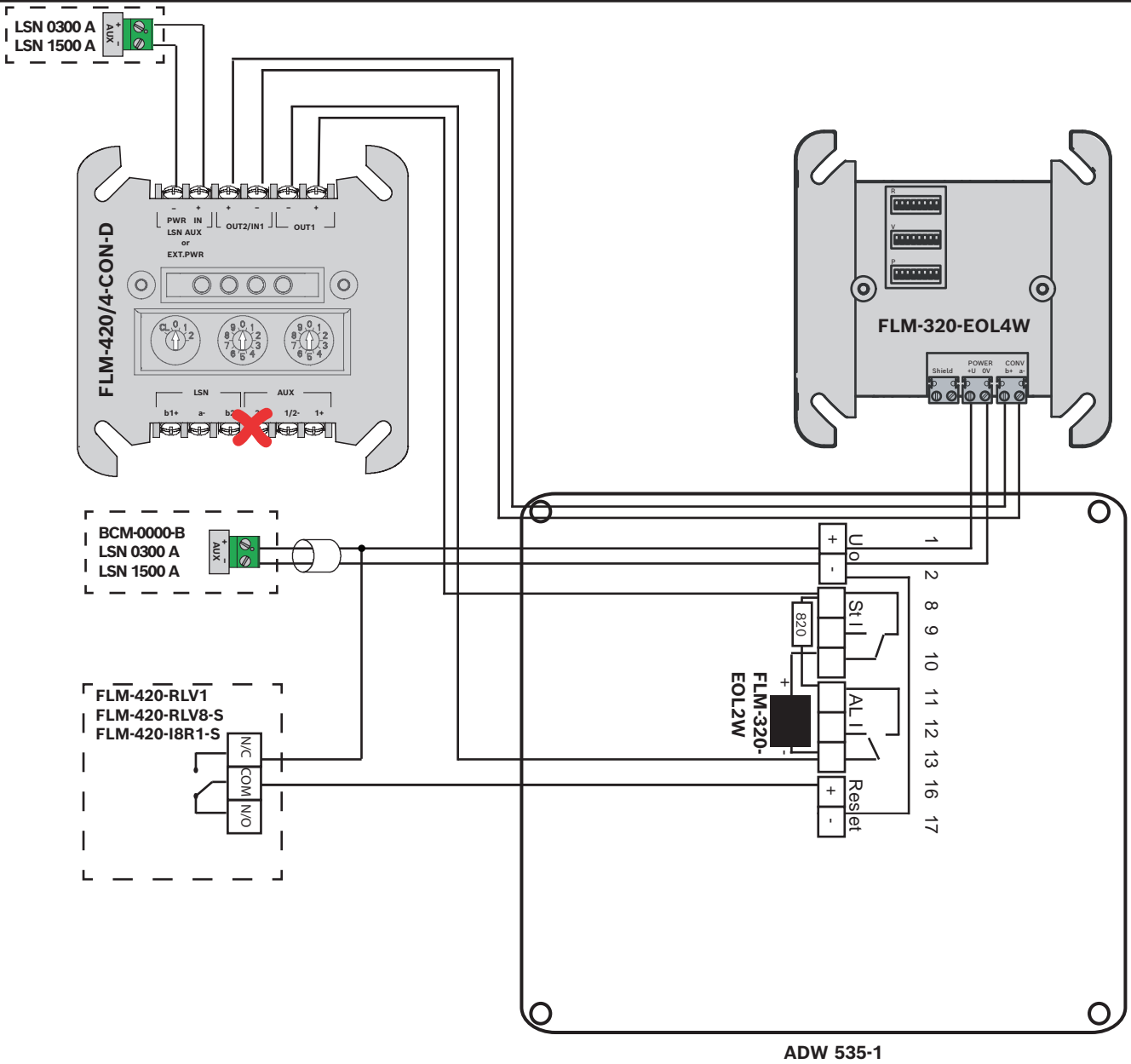
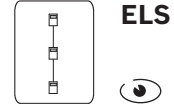
FDOOT271-O
FDM275-O
FDM273-O

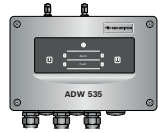


ELS

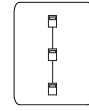


2.6.3 FLM-420/4-CON-S/D

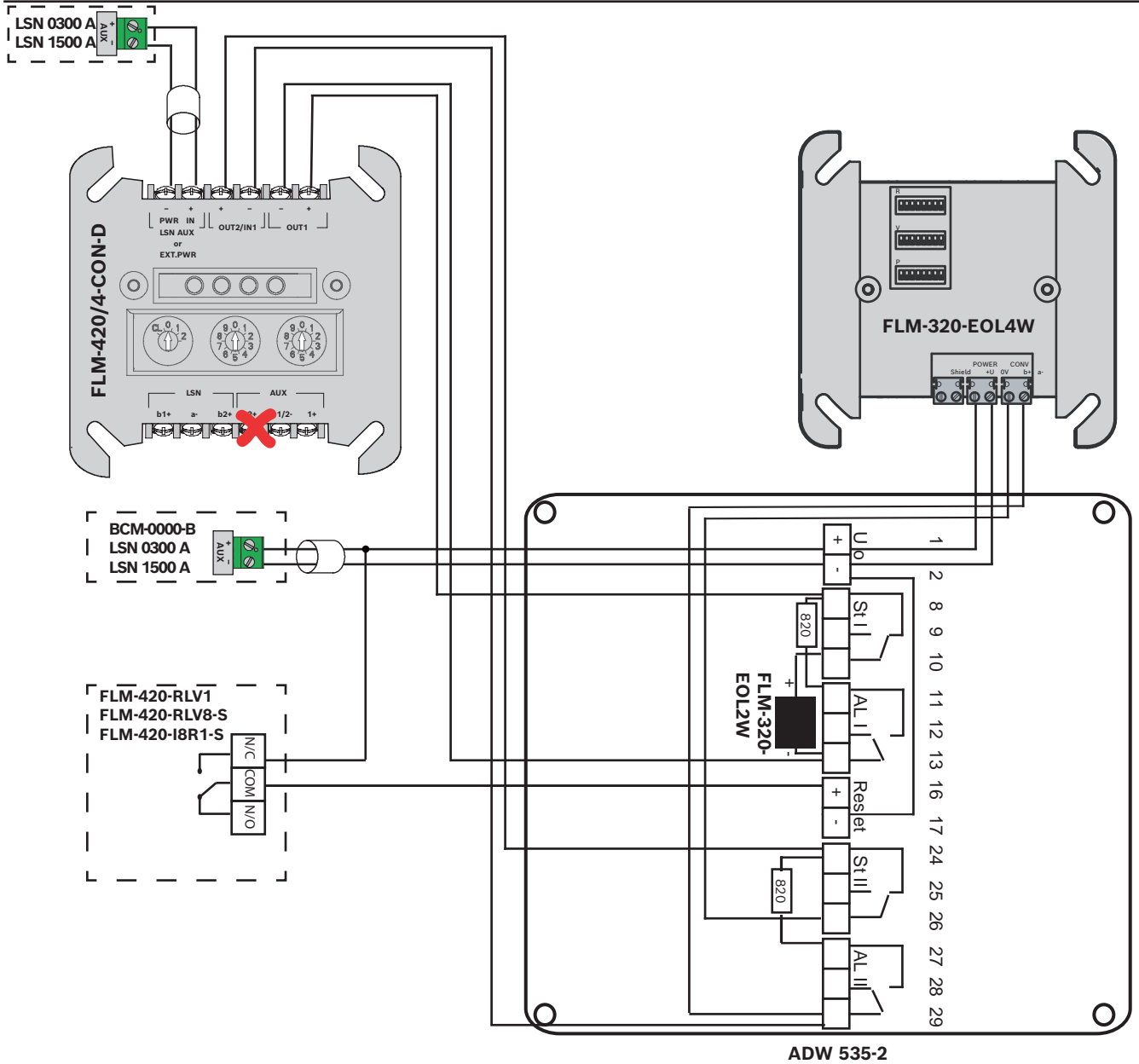


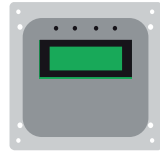


ADW 535-2



ELS

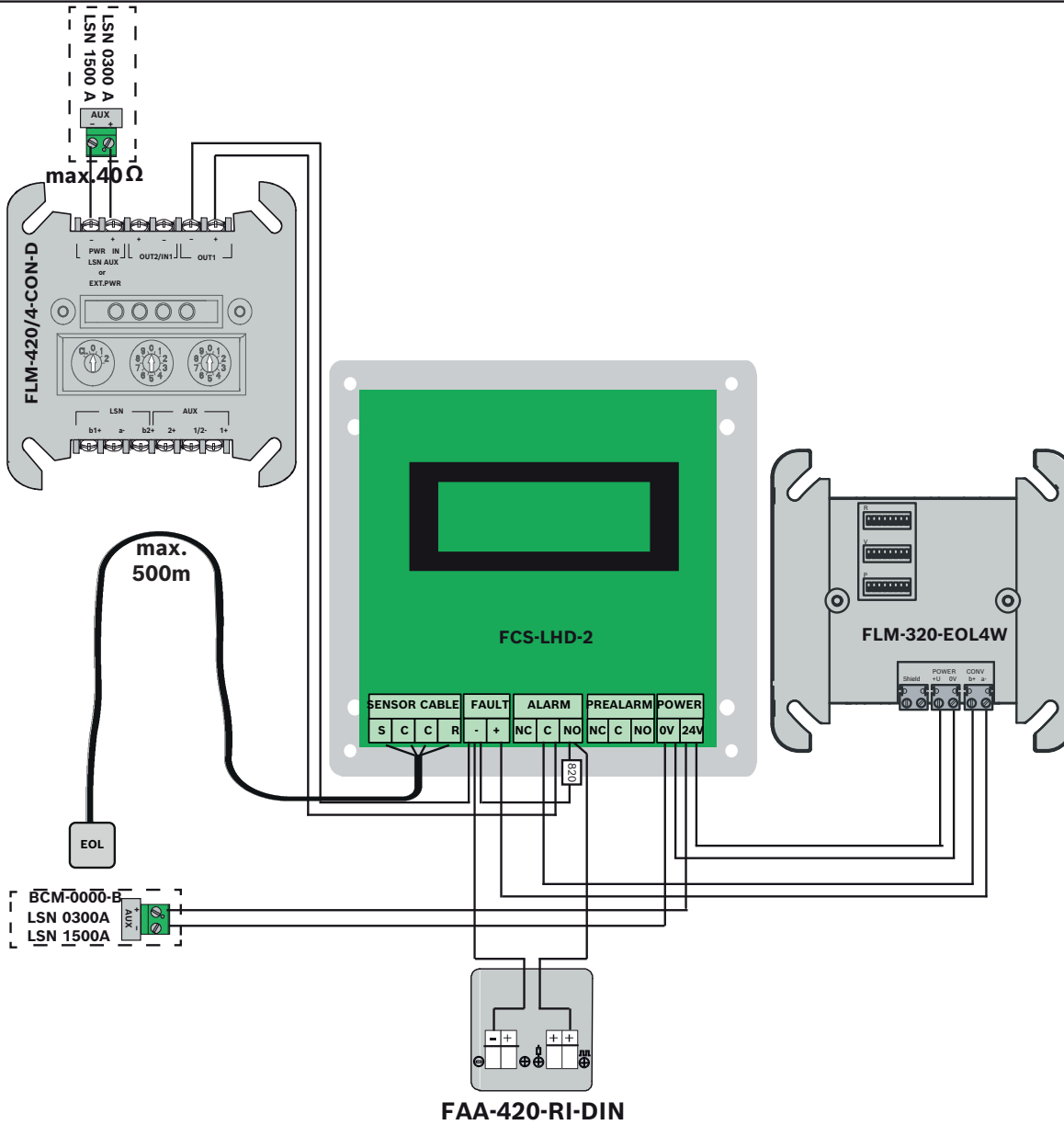




ALARMLINE II

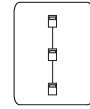


ELS

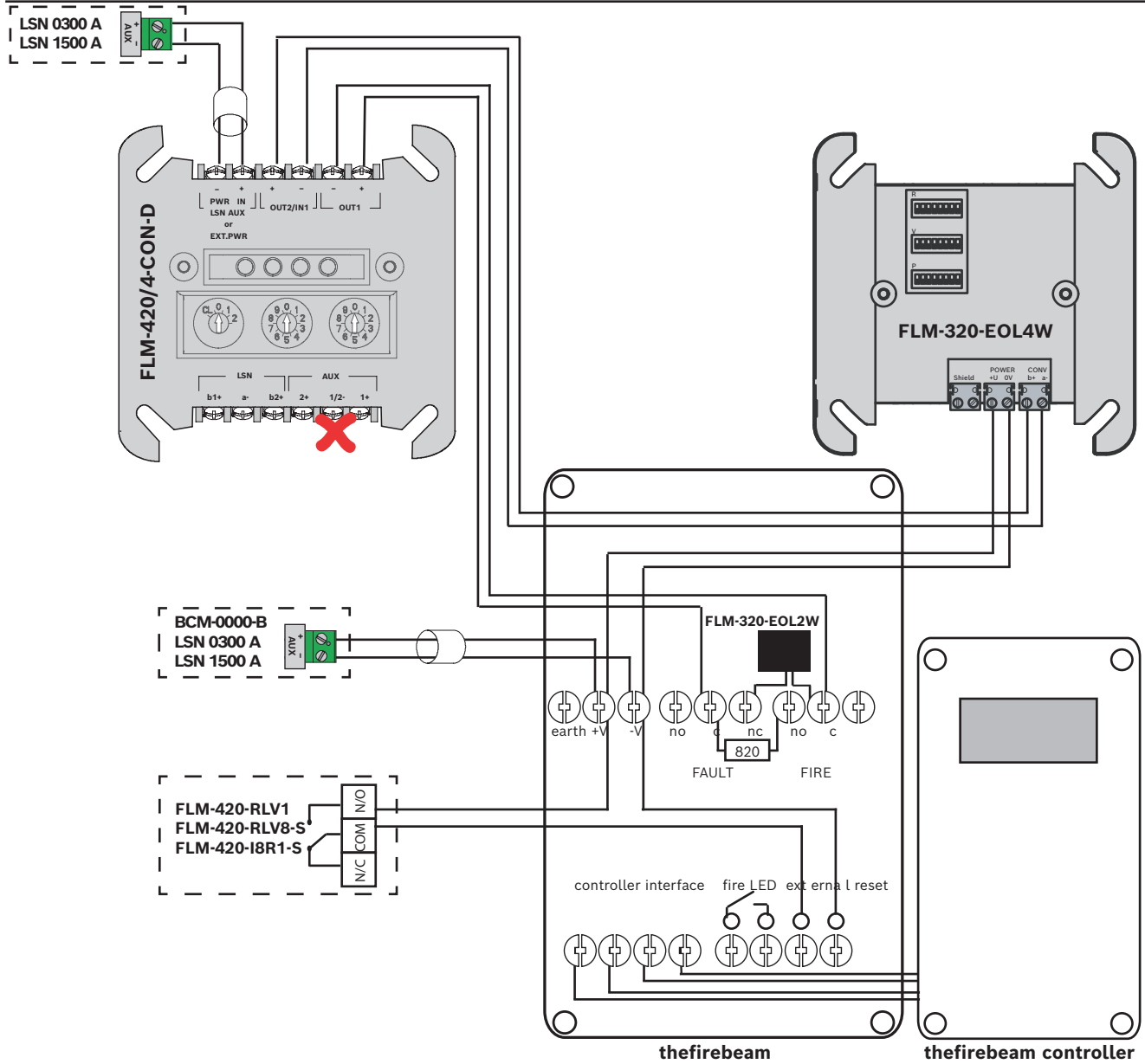


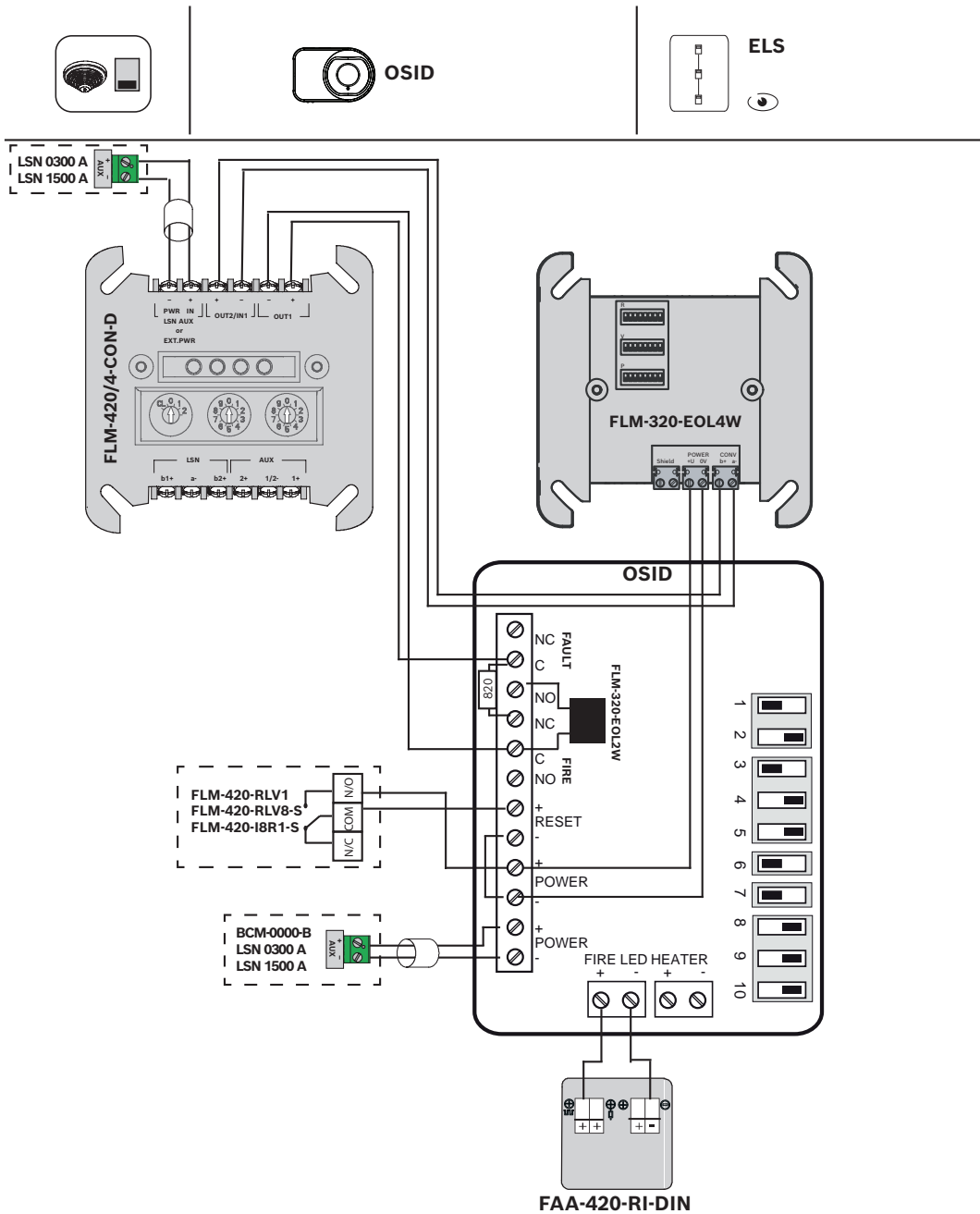


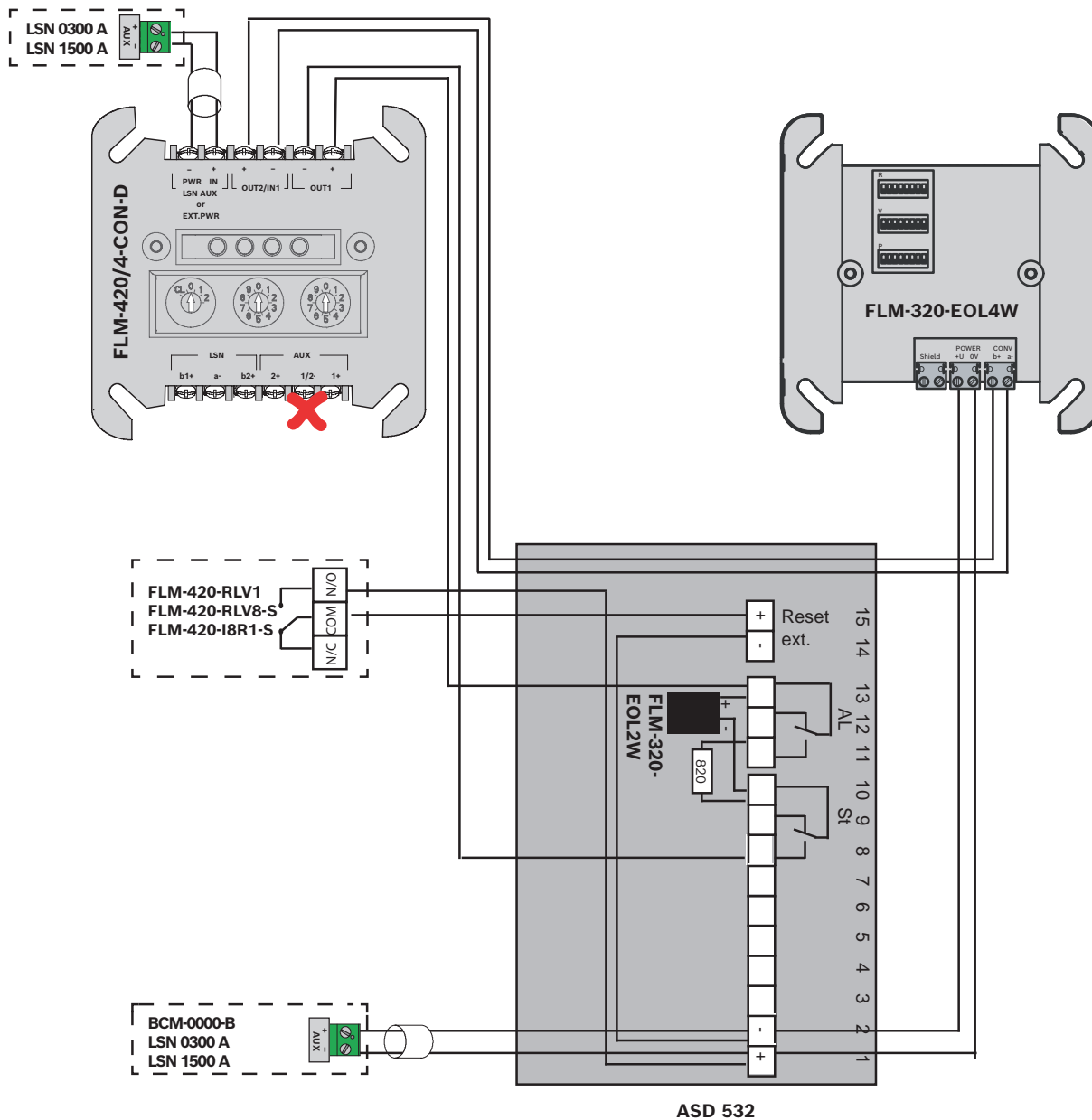
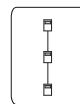
thefirebeam nano
thefirebeam standard
thefirebeam foveo

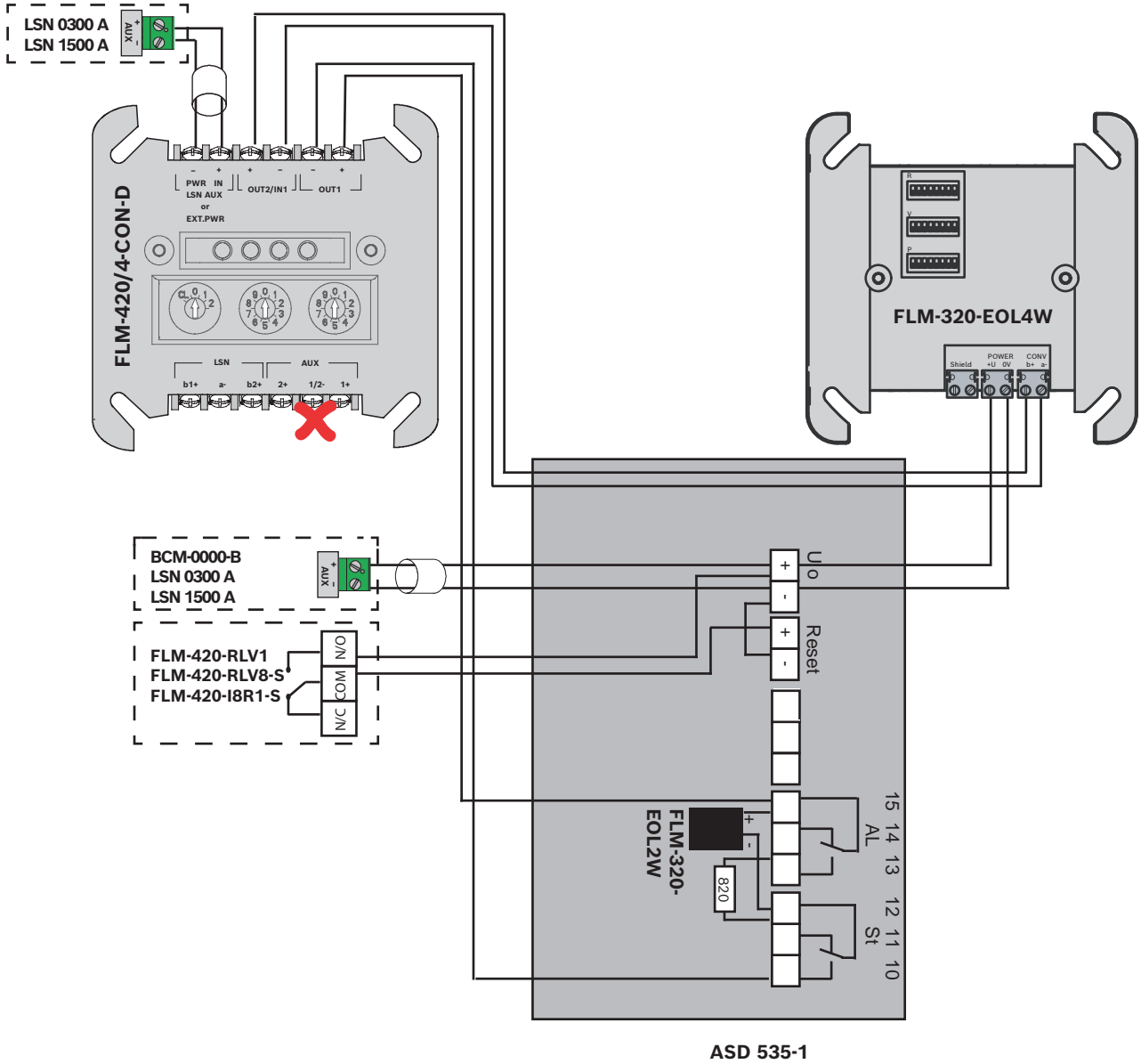
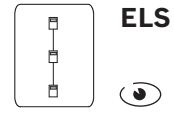


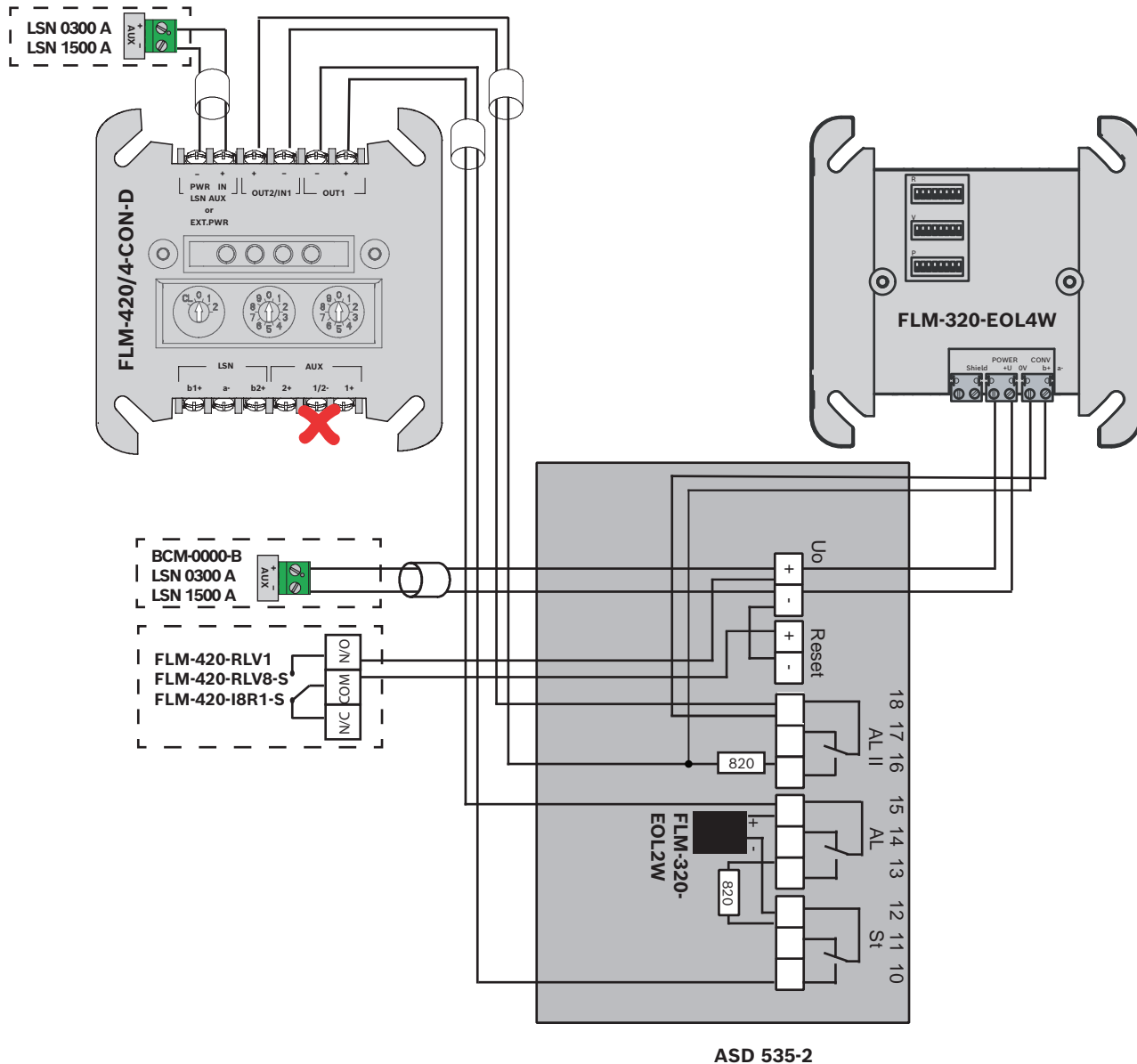
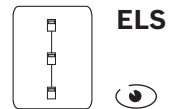
ELS





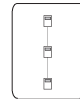






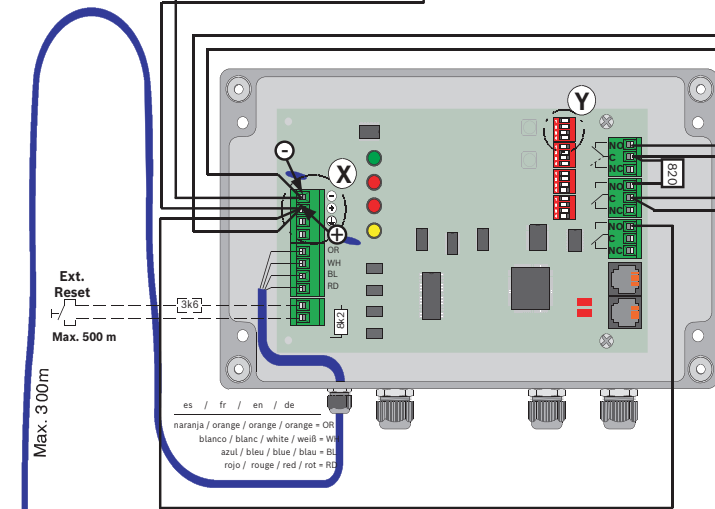
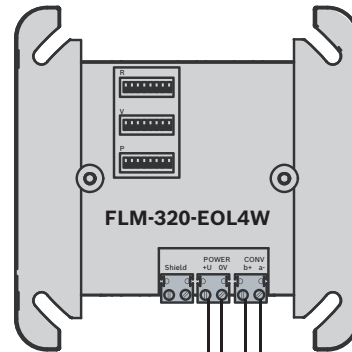
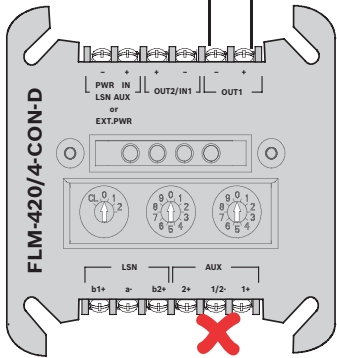


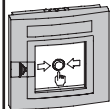
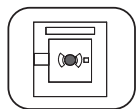
FCS-LWM-1



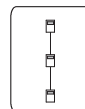
ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A

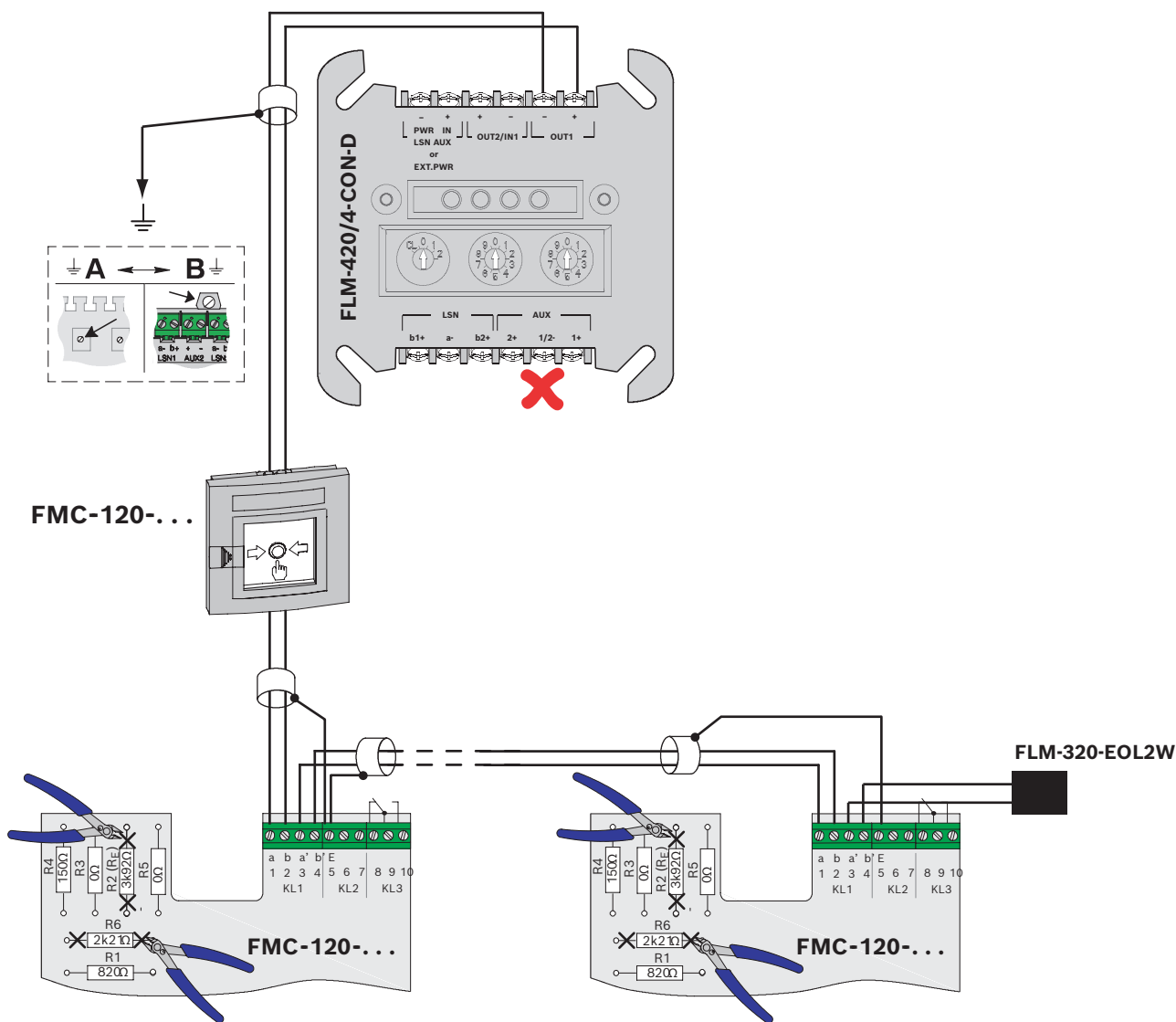




FMC-120-DKM-G-R FMC-120-DKM-G-Y
 FMC-120-DKM-H-R FMC-120-EST-G-B
 FMC-120-DKM-G-B
 FMC-120-DKM-H-B

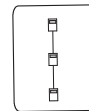


ELS

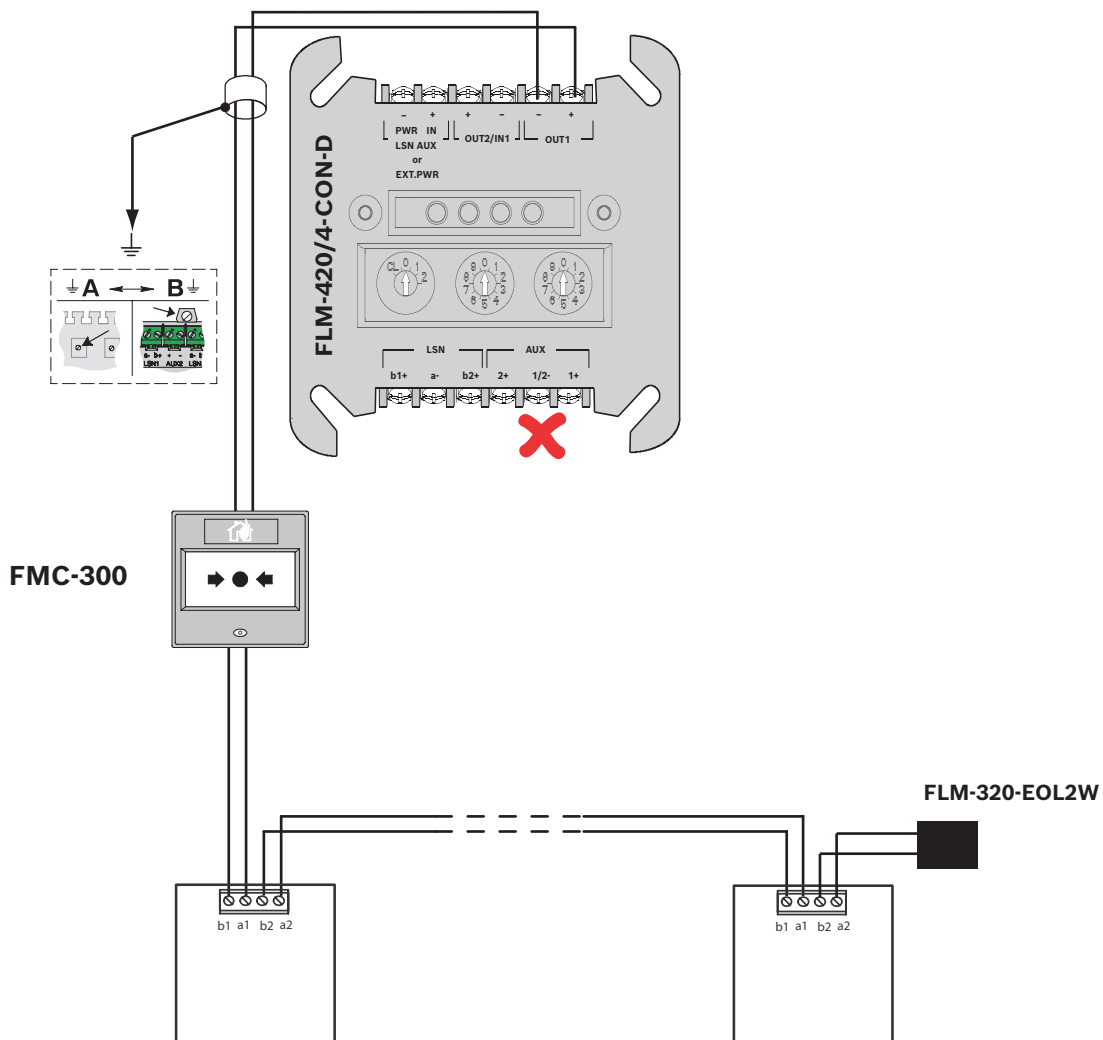


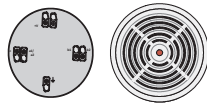


FMC-300



ELS

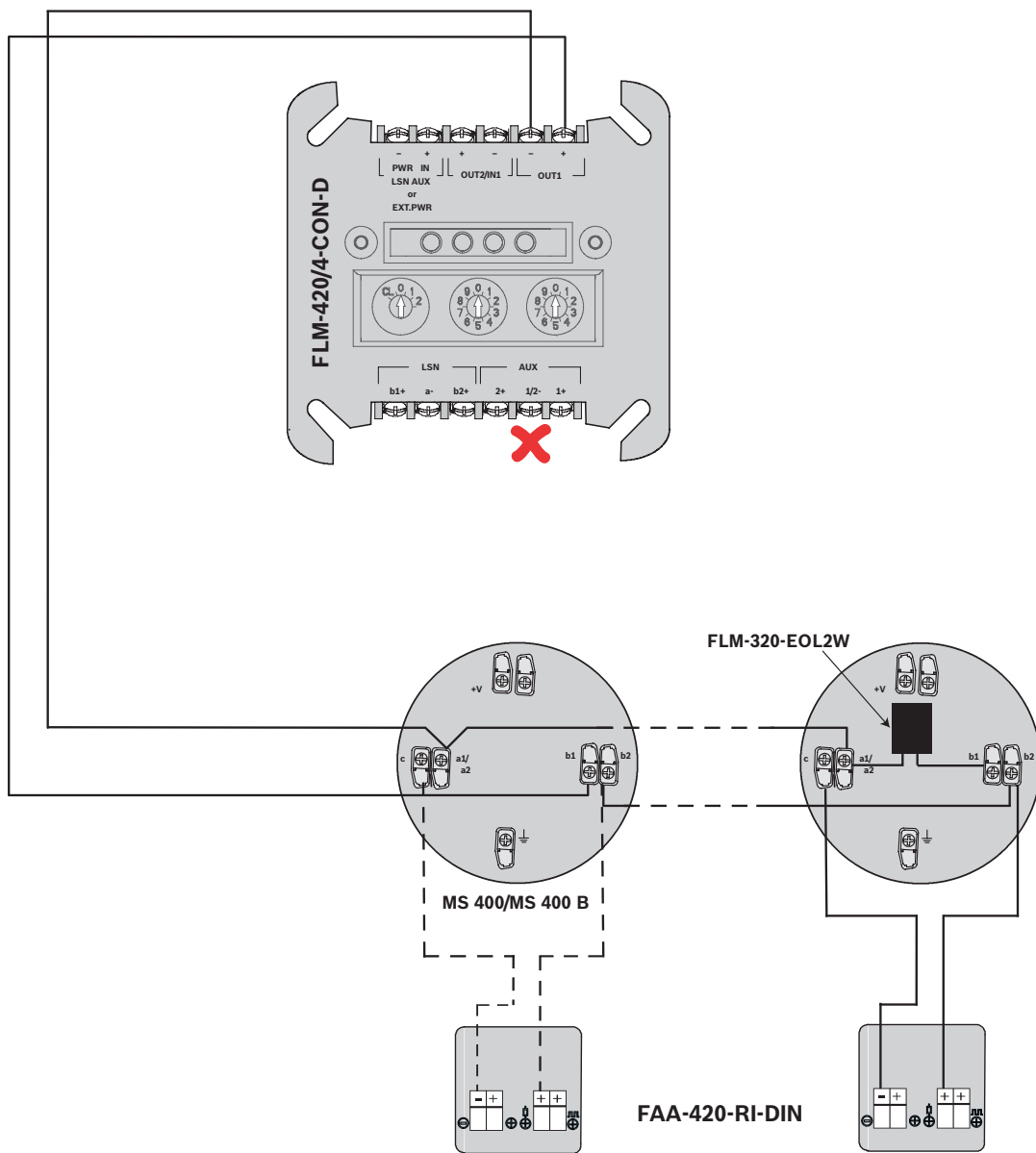




MSS 400, MSS 400 B
 FCH-320-T320
 FCH-T320-R470, FCH-T320-FSA
 FCP-O320, FCP-O320-R470
 FCP-OC320, FCP-OC320-R470
 FCP-OT320, FCP-OT320-R470



ELS

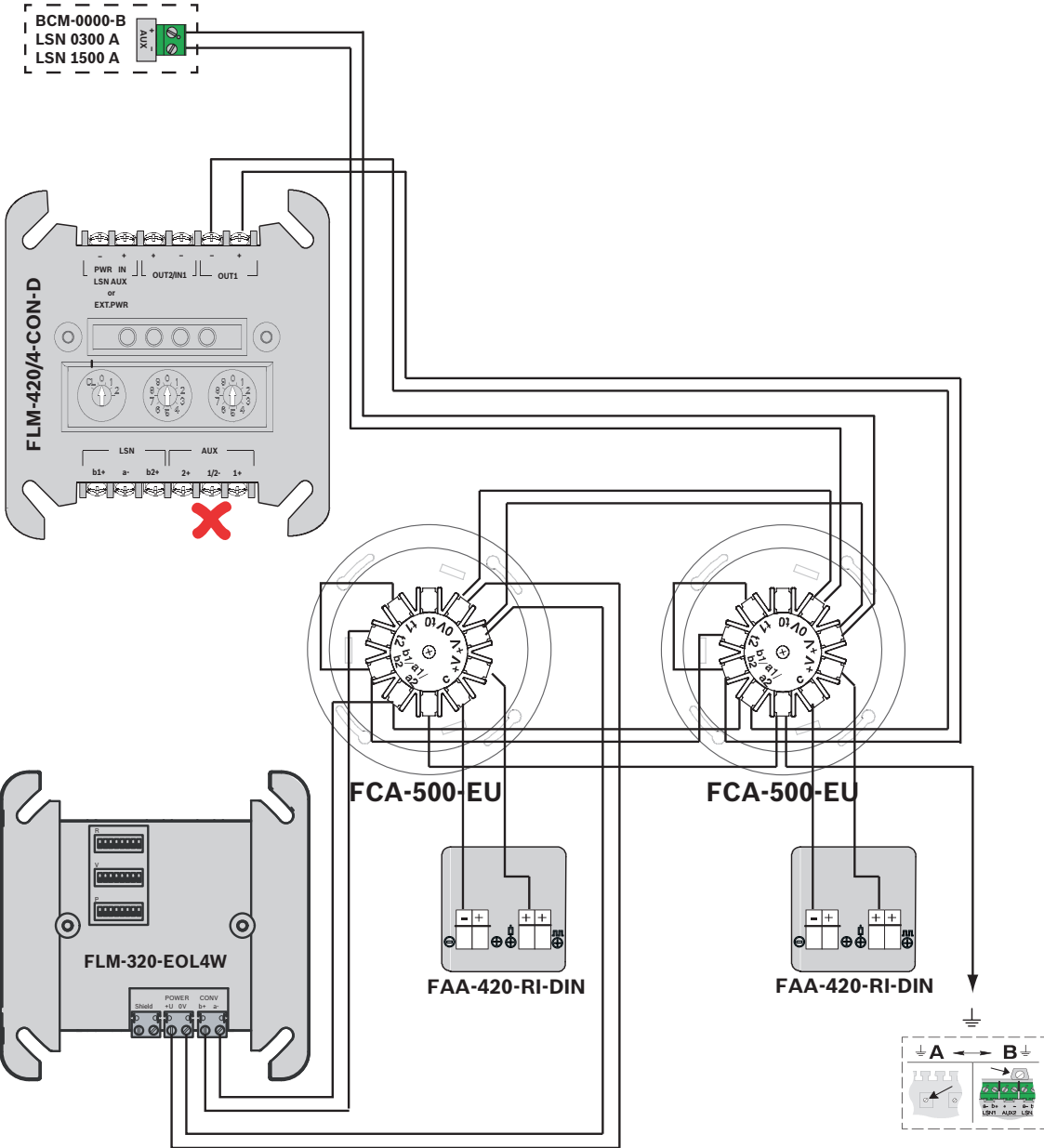


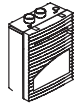


FCP-500

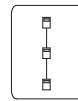


ELS

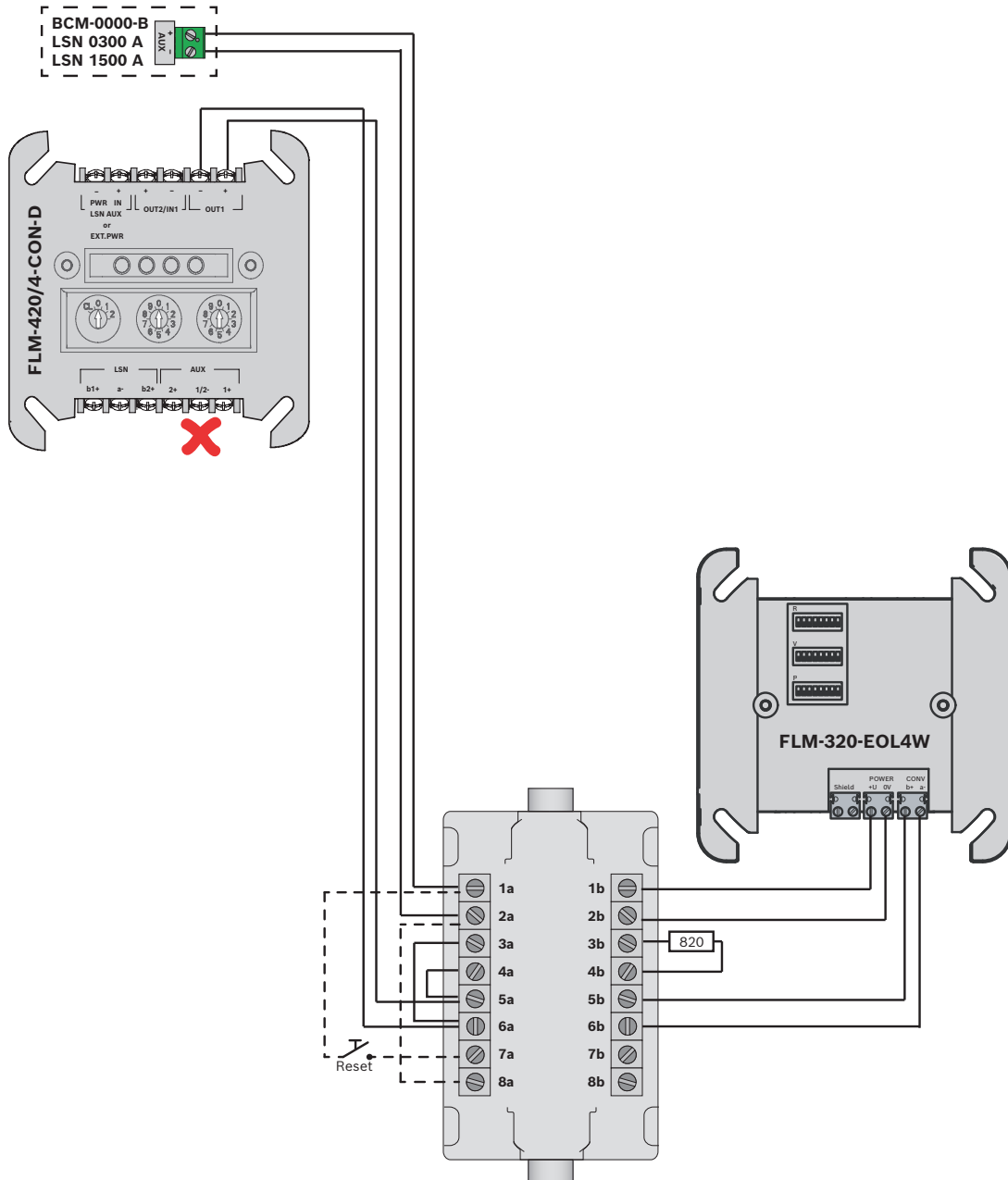


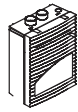


FCS-320-TM Series

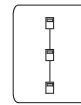


ELS



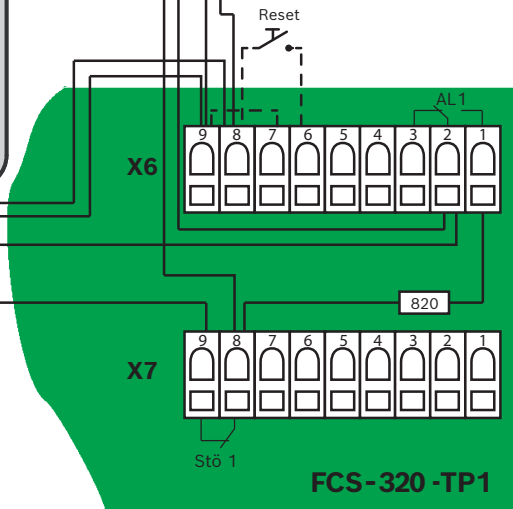
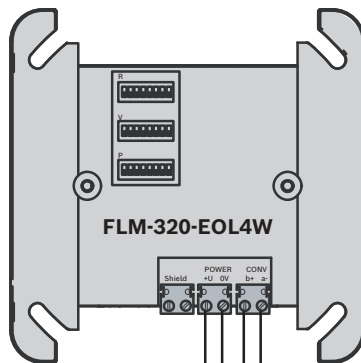
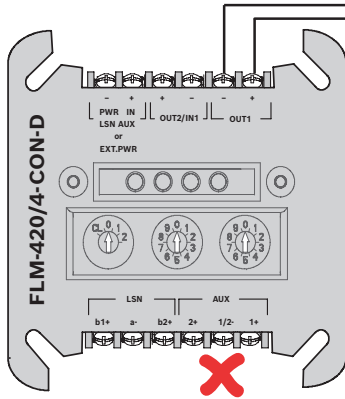


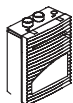
FCS-320-TP Series



ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A



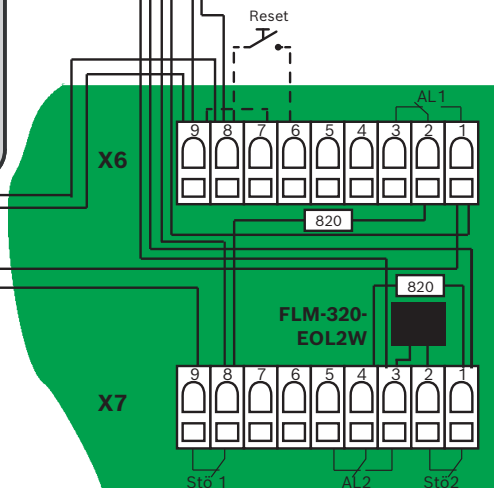
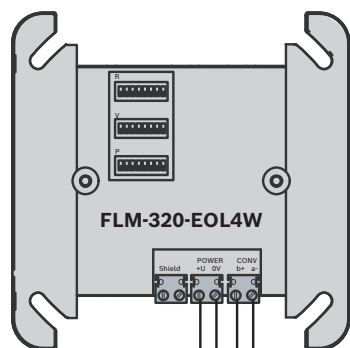
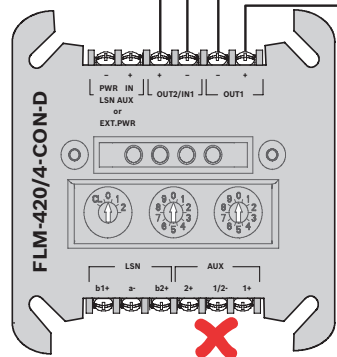


FCS-320-TP Series

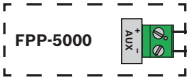
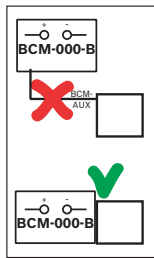
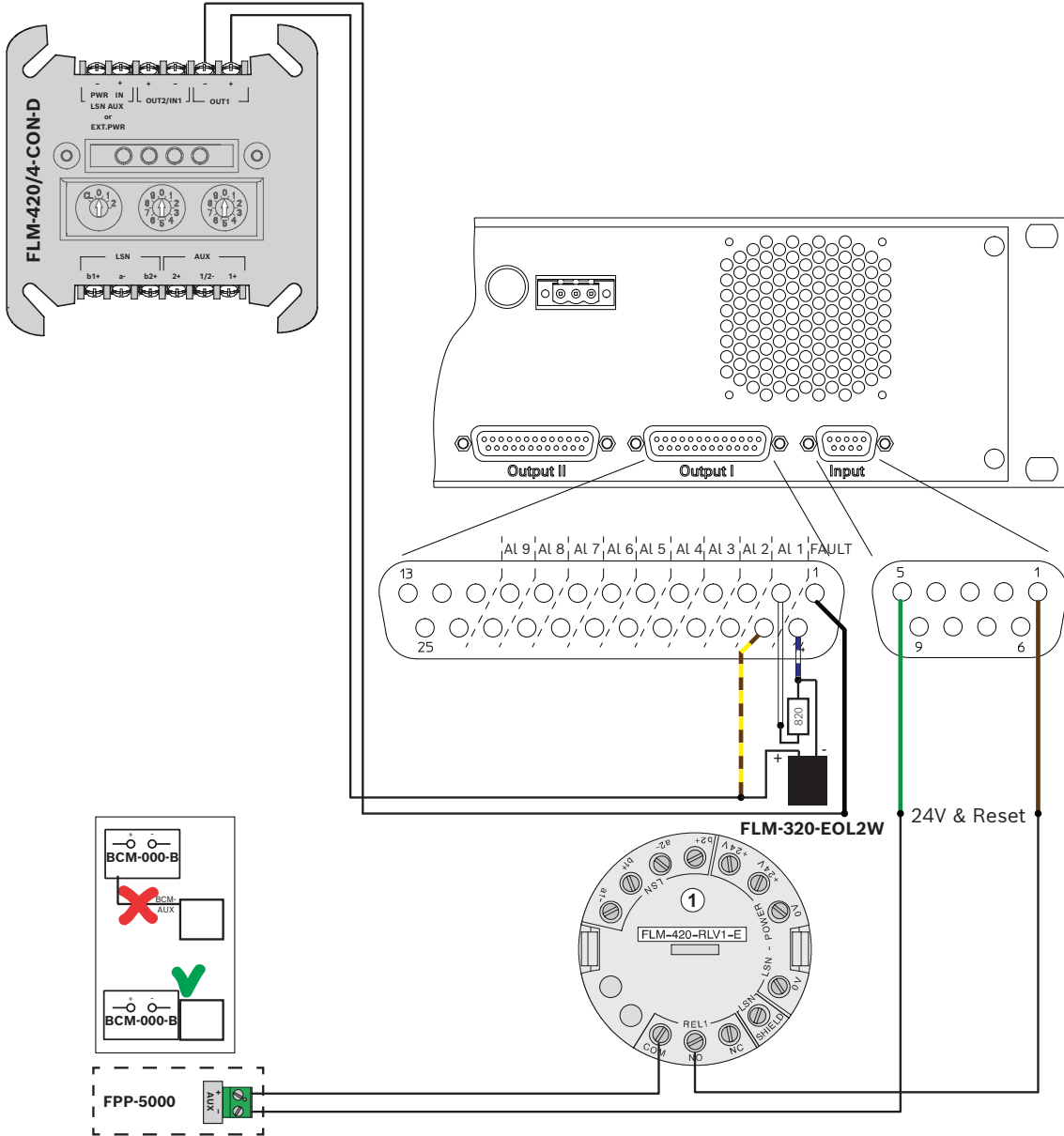
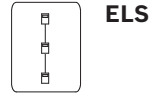


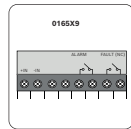
ELS

BCM-0000-B
LSN 0300 A
LSN 1500 A

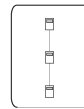


FCS-320-TP2

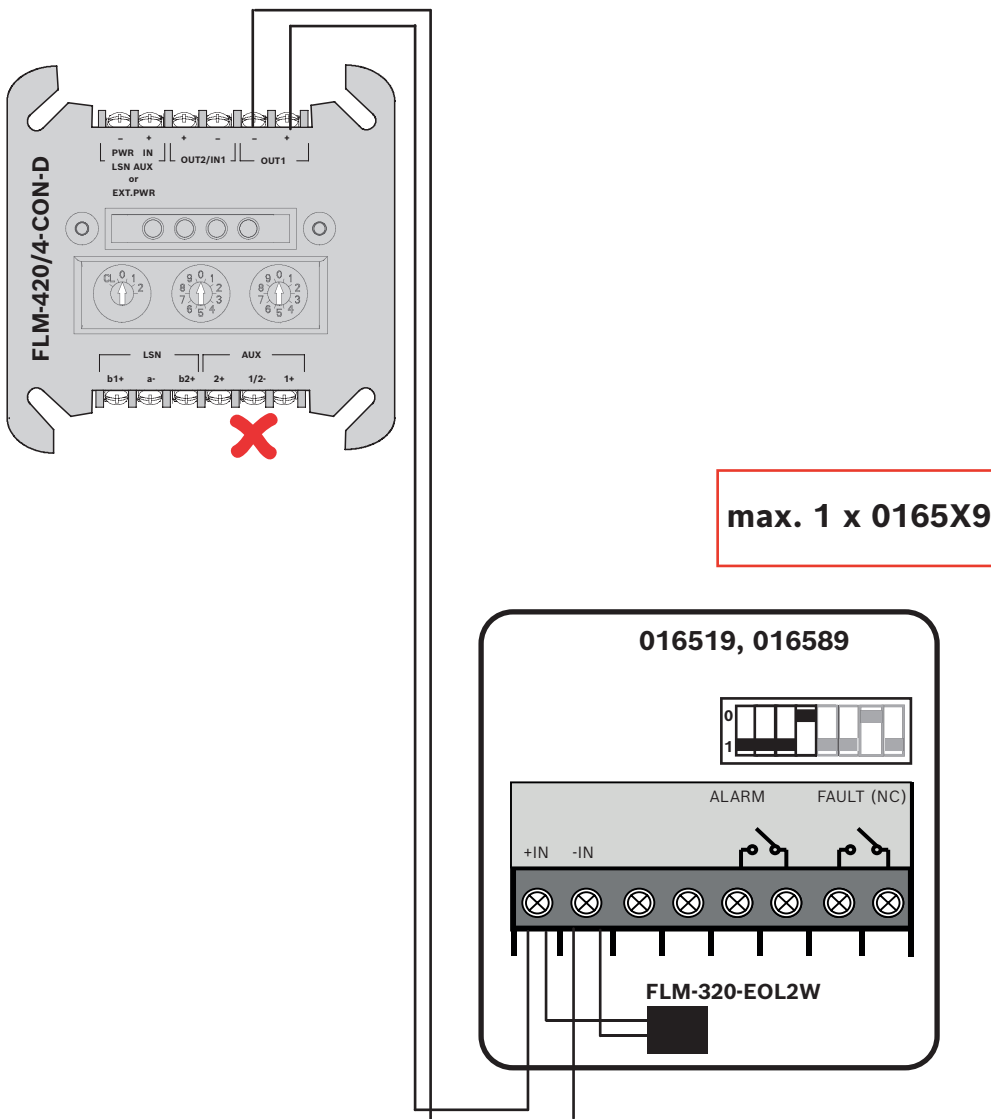


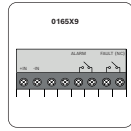


016519, 016589
IR3 Flame Detector

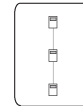


ELS

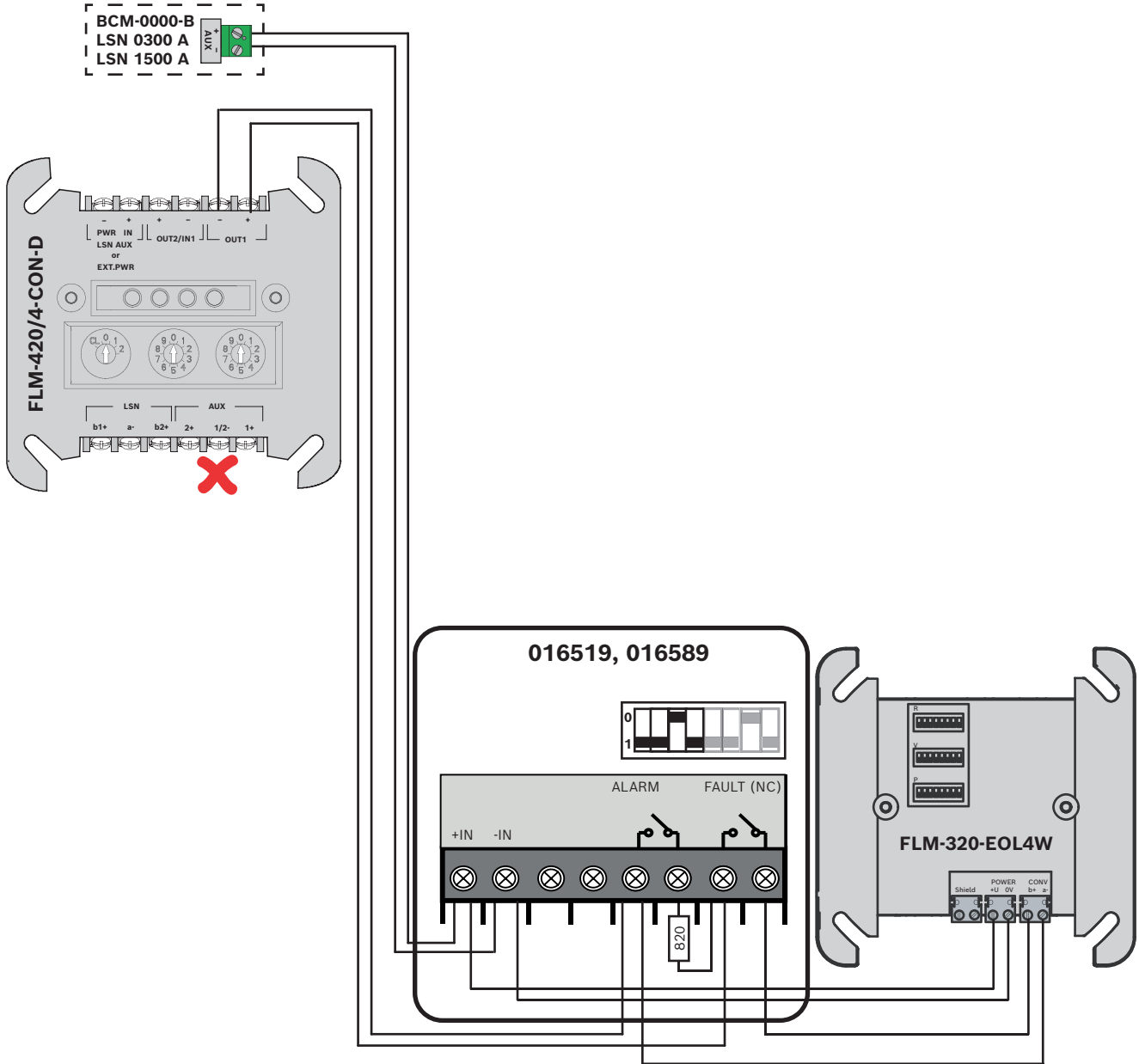




016519, 016589
IR3 Flame Detector

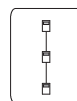


ELS

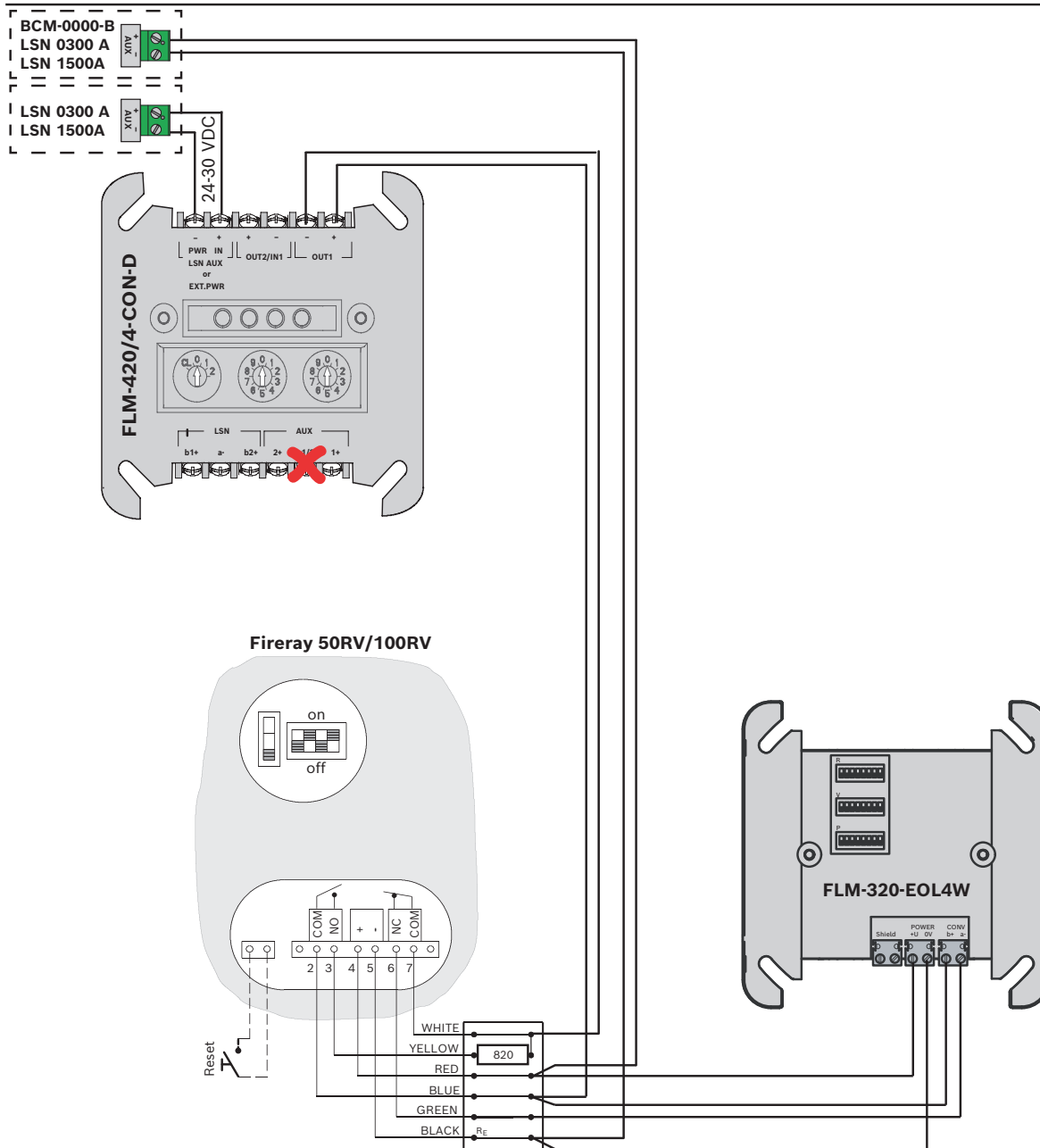


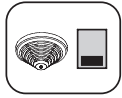


**Fireray 50RV
Fireray 100RV**



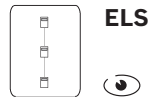
ELS



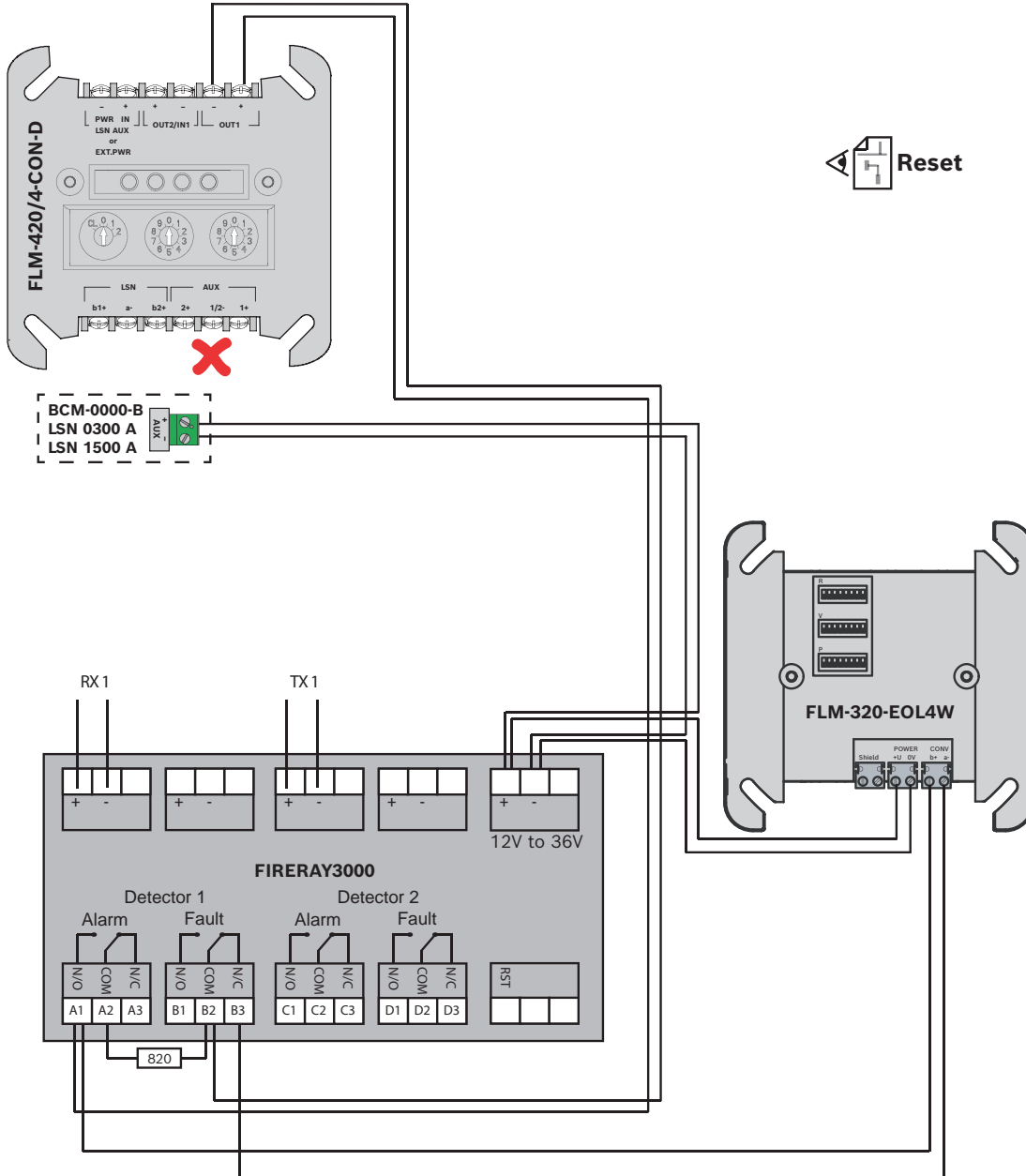


FIRERAY3000

1 x



ELS

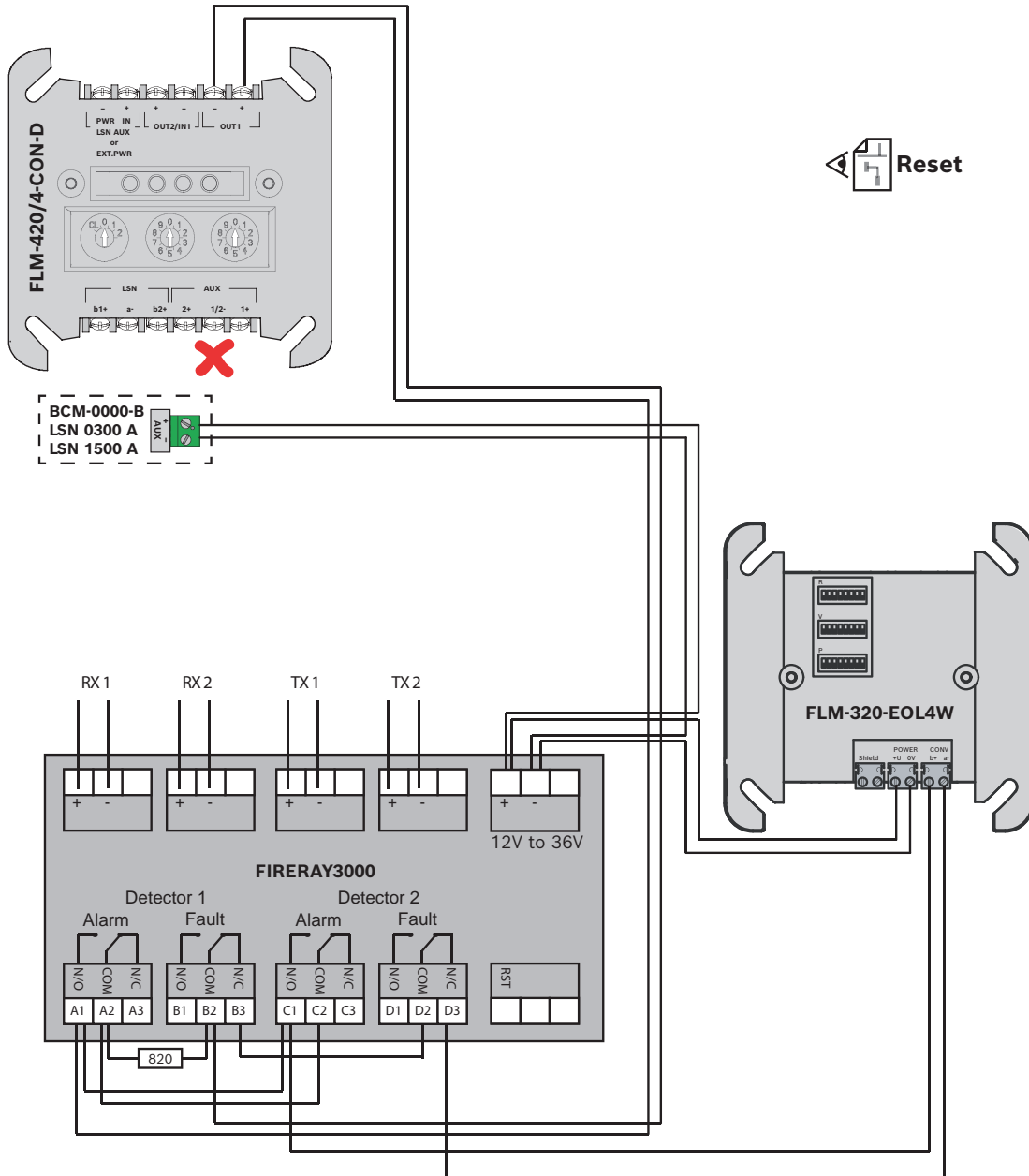




FIRERAY3000
2 x **OUT1**



ELS

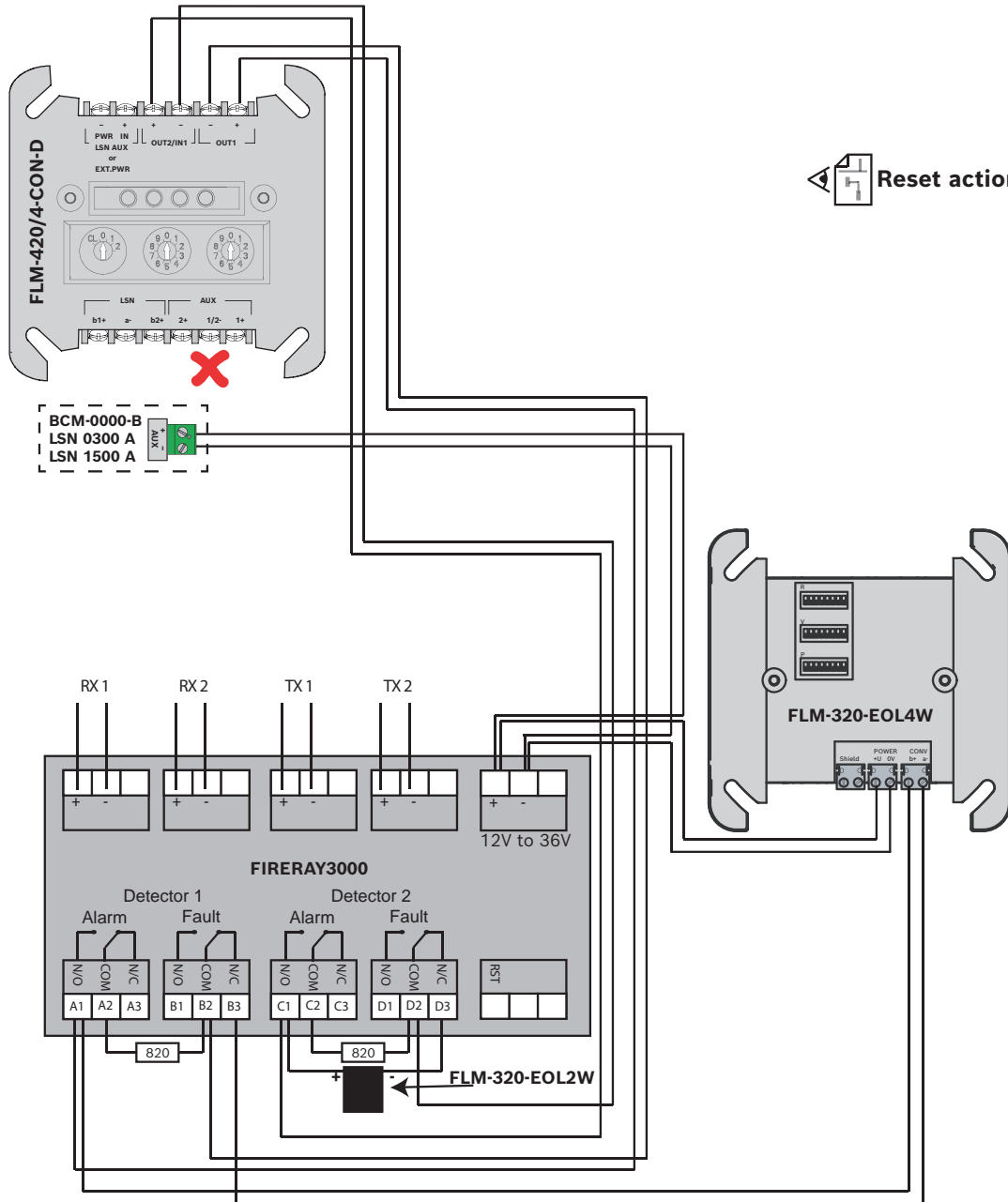




FIRERAY3000
2 x **OUT1+2**



ELS



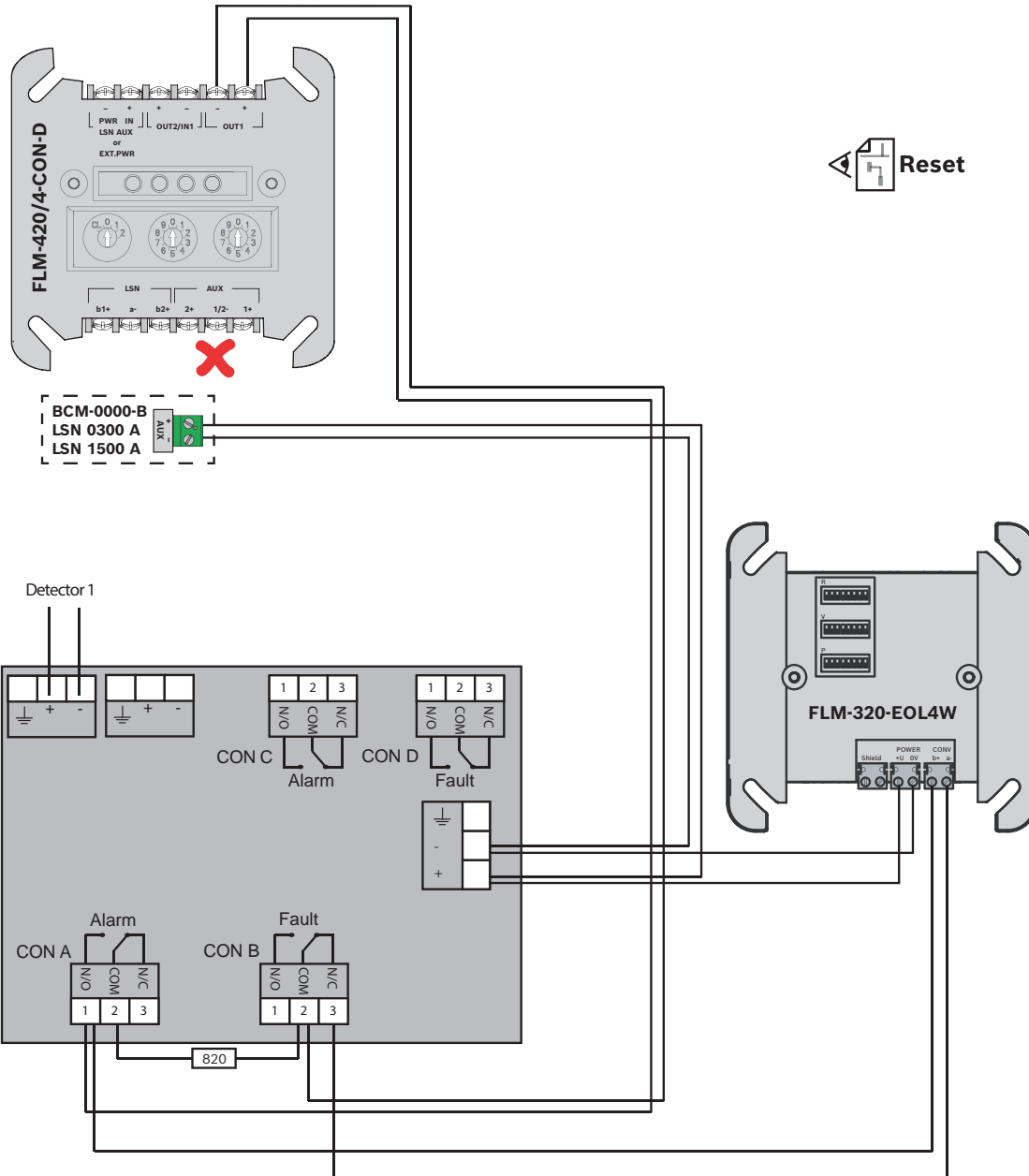


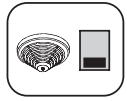
FIRERAY5000

1 x



ELS

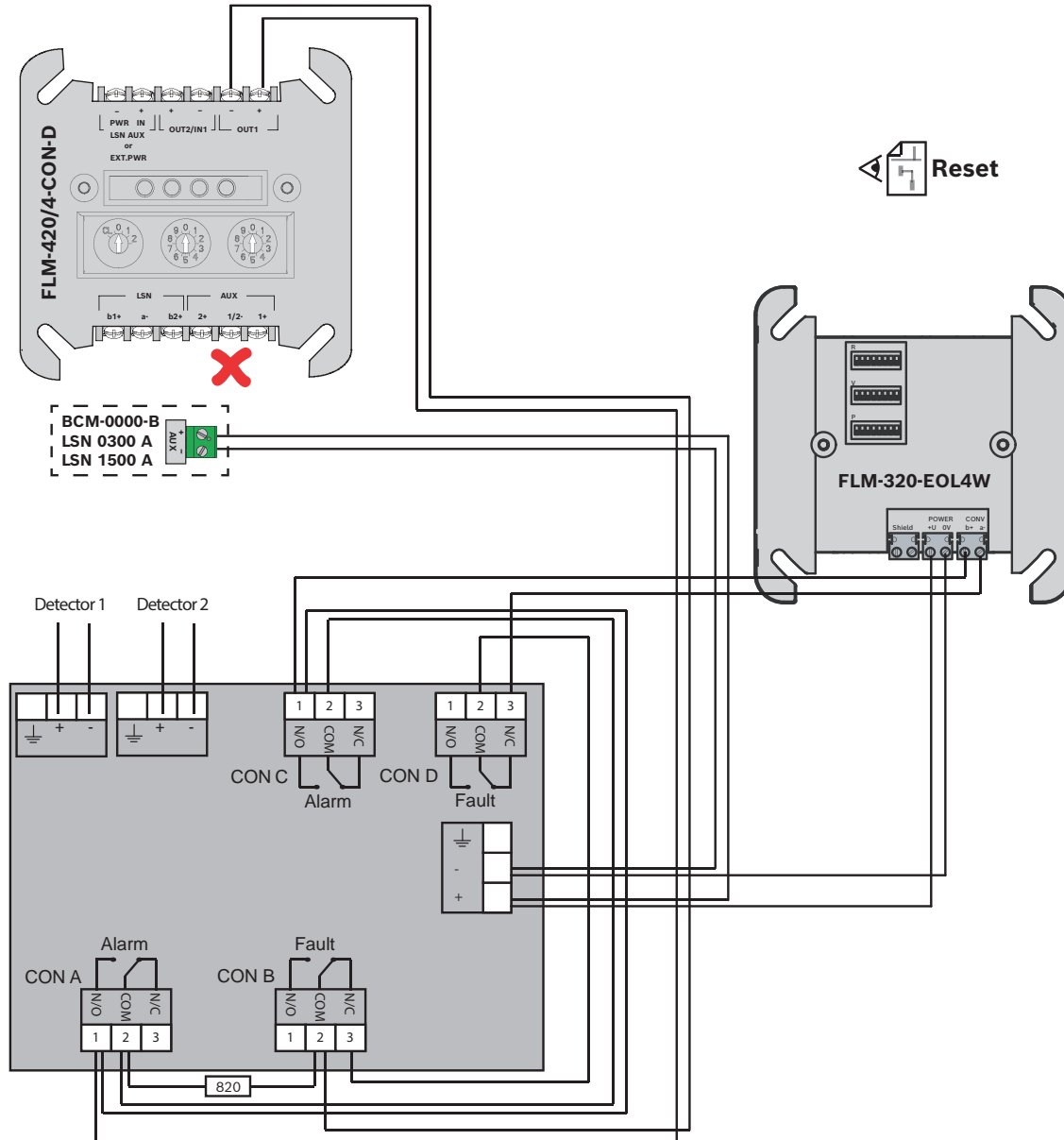




FIRERAY5000
2 x **OUT1**

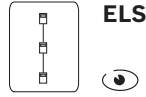


ELS



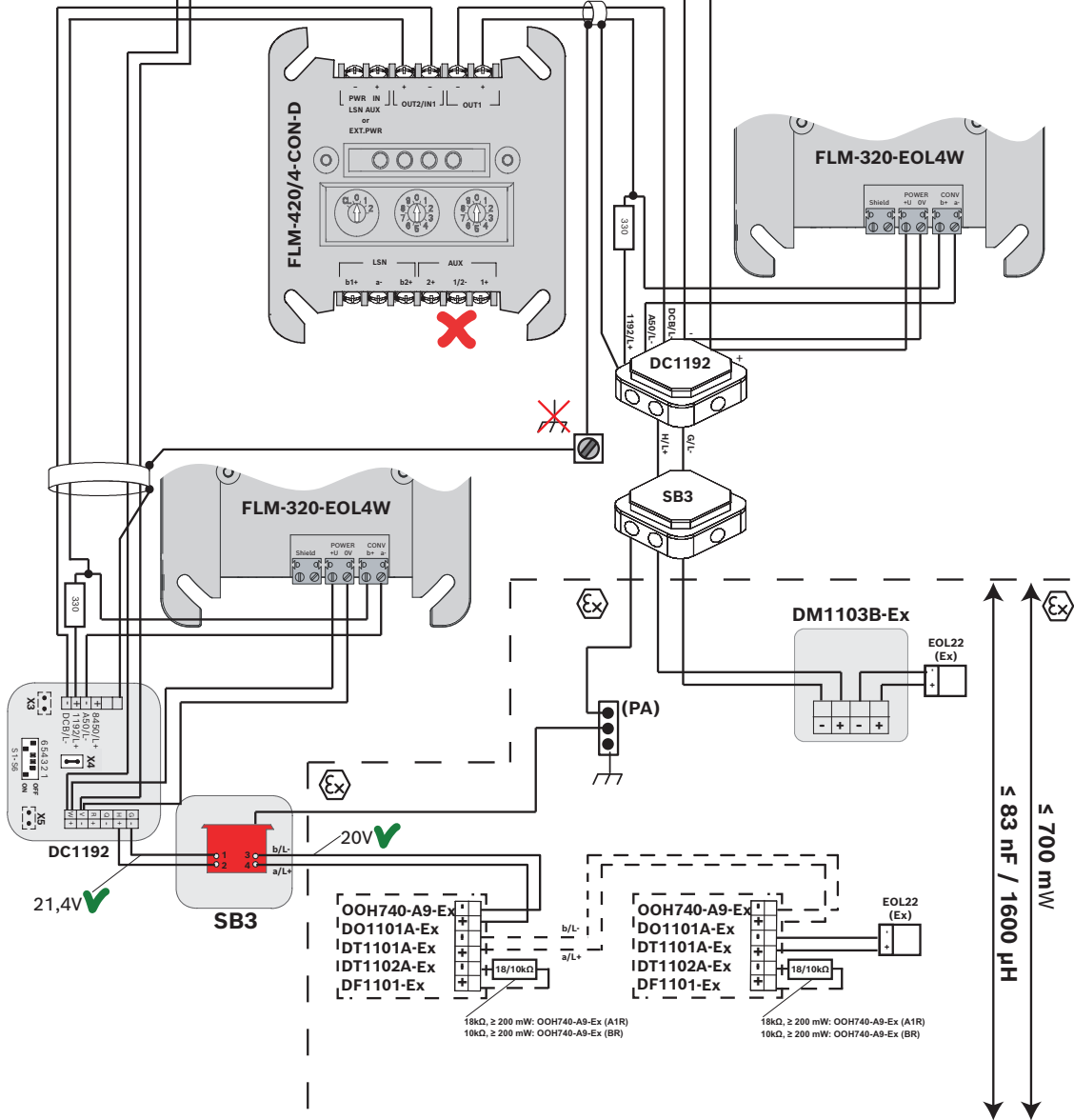


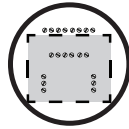
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 OOH740-A9-Ex
 DO1101A-Ex
 DT1101A-Ex/DT1102A-Ex
 DF1101-Ex
 DM1103B-Ex



BCM-0000-B
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 LSN 1500 A

BCM-0000-B
 LSN 0300 A
 LSN 1500 A

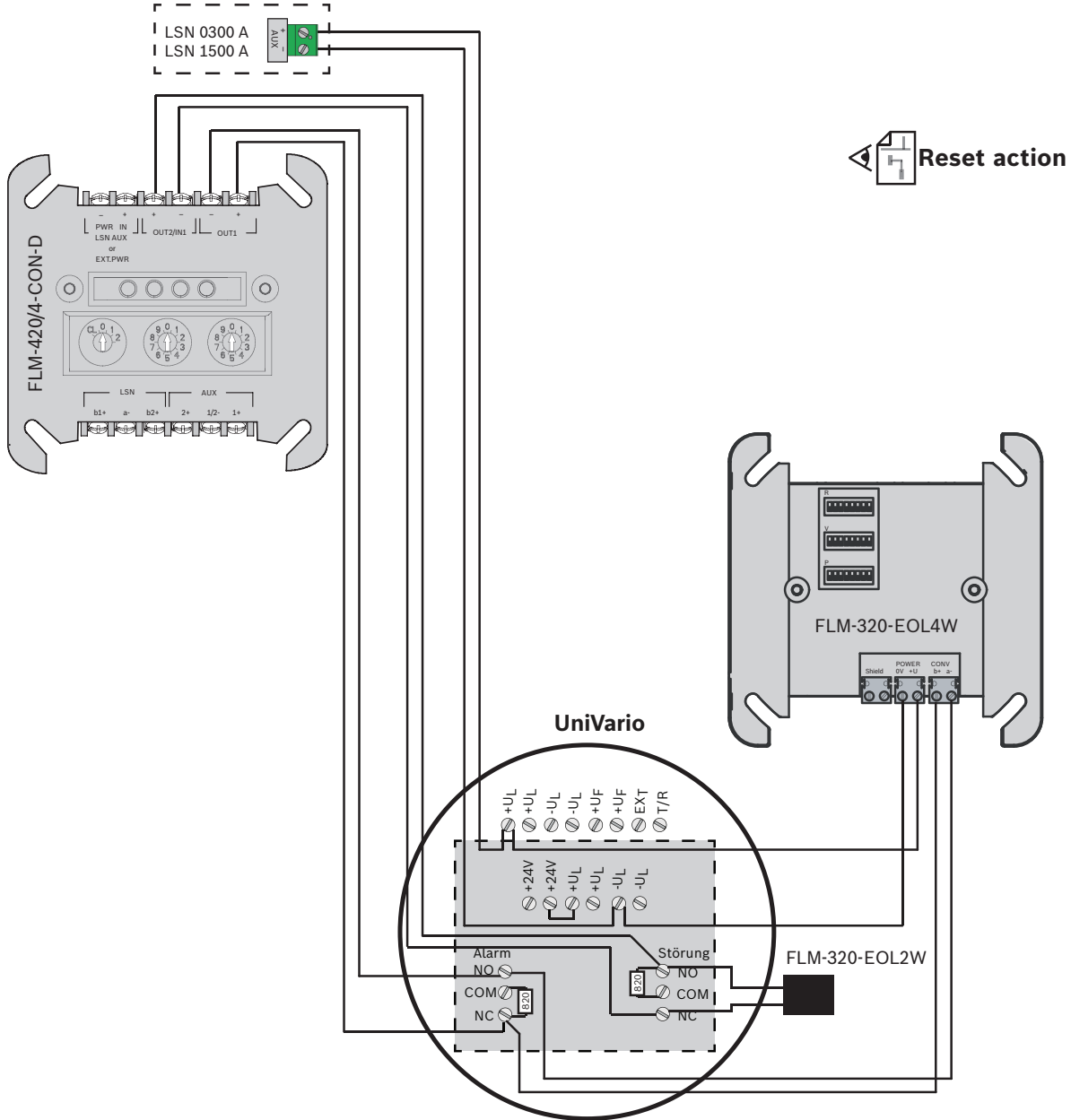




UniVario WMX5000
 UniVario FMX5000
 UniVario KMX5000



ELS



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