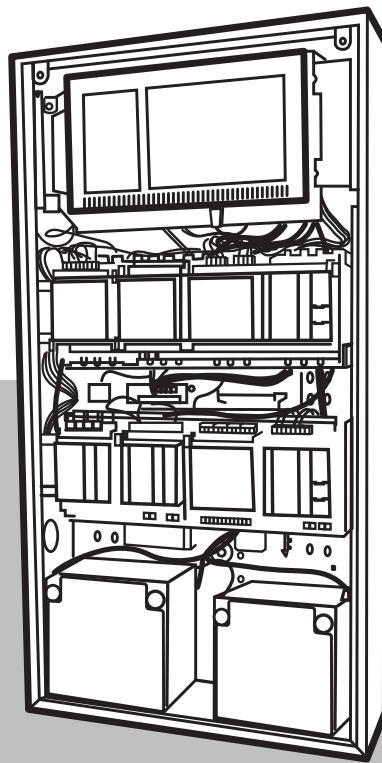


# AVENAR panel series





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# 1 Avisos

## 1.1 Contenido

Esta guía de cableado muestra cómo realizar, en principio, las conexiones de los dispositivos periféricos a la central de incendios. No se tienen en cuenta las normativas nacionales ni locales. La aplicación de los requisitos nacionales y locales puede requerir nuevas conexiones.

**Aviso!**

Las conexiones que se describen en este documento también son aplicables a AVENAR panel 2000, siempre que los componentes individuales sean ampliaciones de AVENAR panel 2000 aprobadas por Bosch Sicherheitssysteme GmbH.

**Aviso!**

Las conexiones de LSN 0300 A que se describen en este documento también son aplicables al módulo LSN 1500 A.

Para el módulo LSN 1500 A se debe tener en cuenta que, en las instalaciones en Alemania, donde se requiere el cumplimiento de la norma VdS 2540, la línea AUX y la línea LSN deben estar en cables independientes.

## 1.2 Información del producto

- Las instrucciones de instalación de los componentes específicos de la central de incendios están disponibles en el manual de instalación.
- Puede obtener más información (manuales de usuario, guía de funcionamiento en red, manual del sistema) en Internet, en: [www.boschsecurity.com](http://www.boschsecurity.com)

## 1.3 Notas importantes

- Utilice únicamente el material de instalación proporcionado por Bosch Security Systems.
- No realice conexiones ni soldaduras de componentes sin protegerse con un brazaletes antiestático de conexión a tierra.
- El montaje y la instalación sólo se deben llevar a cabo por personal cualificado.
- Tenga en cuenta las normas de conexión de las autoridades o instituciones de su país.



### **Peligro!**

El contacto directo con componentes cargados podría llegar a causar la muerte. Desconecte la fuente de alimentación antes de llevar a cabo la instalación.

### **Cable apantallado**

Se necesita un cable apantallado para todas las conexiones de dos cables al CZM 0004 A y para conectar los siguientes productos:

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

En el siguiente cableado de muestra se puede ver cómo instalar un cable apantallado.

### **Aviso!**

Si se va a conectar un cable apantallado para el cable LSN, siga las especificaciones de LSN.

- Conecte el apantallamiento del cable LSN del lado de la central al conector de tierra funcional designado:

dos conexiones al principio y al final de un lazo

una conexión en el inicio de un ramal

- Enlace a través del apantallamiento del cable todos los dispositivos periféricos LSN utilizando terminales suministrados

- No se permite ninguna conexión adicional del apantallamiento del cable LSN, ni con los conectores de tierra de ninguna ubicación ni con ningún otro potencial eléctrico



## 1.4 Notas del usuario

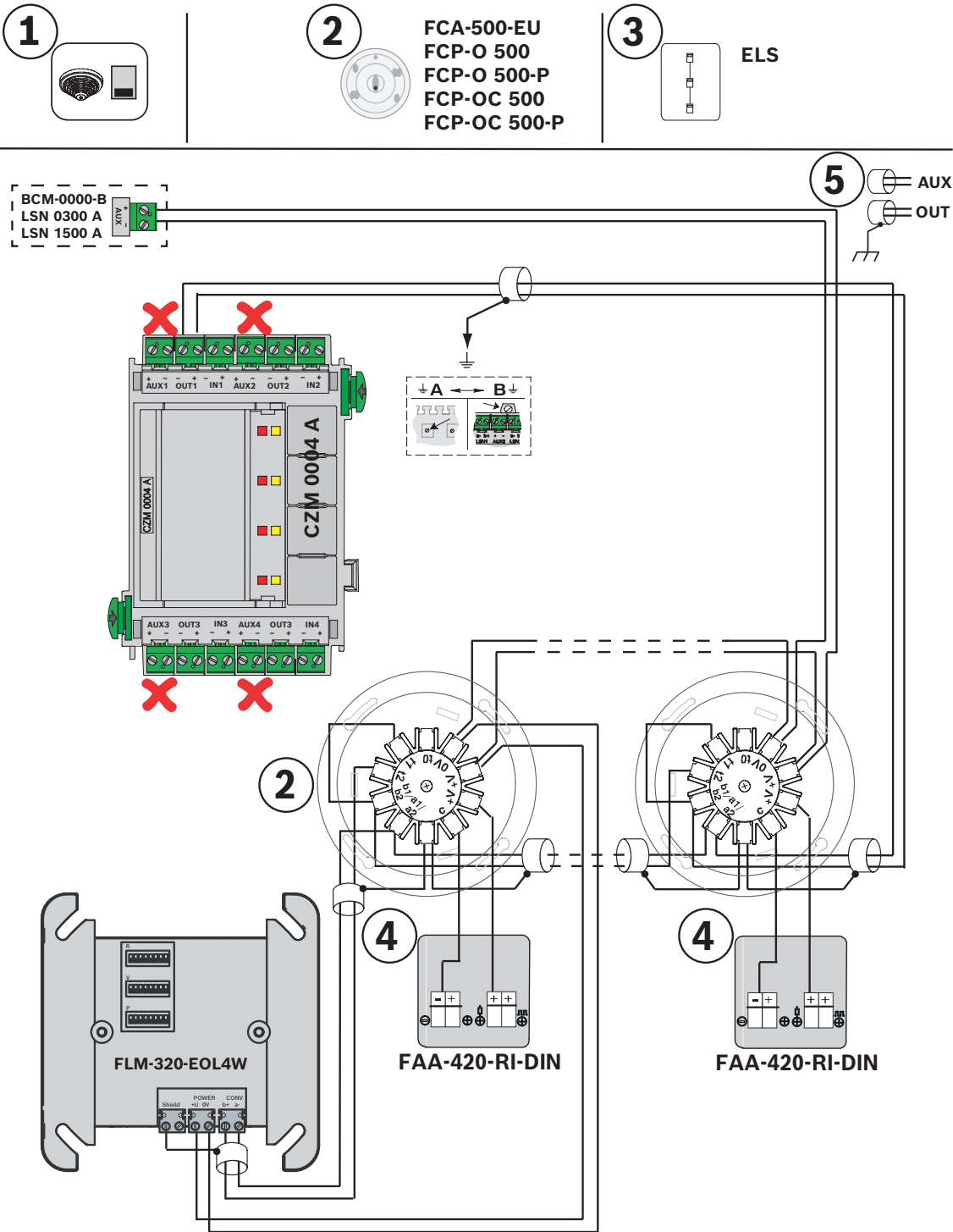
La guía de cableado está estructurada del modo siguiente:

- El capítulo Cableado está organizado según el dispositivo al que se conecta el dispositivo periférico. Un cableado muestra la conexión directa de un dispositivo a otro (sin conexiones en cascada).
- Puede consultar una recopilación de todos los cableados complementados con módulos EOL adicionales para un control de rotura de línea progresiva en la sección EOL.

Para encontrar el cableado necesario también puede utilizar:













- el índice al principio del capítulo Cableado y al principio de las secciones Módulos funcionales, Módulos de interfaz y EOL.
- el Index (independiente del idioma),
- y la búsqueda de texto completo.

Véase el siguiente cableado de ejemplo:




















1	Símbolos del capítulo ( <i>Símbolos del capítulo, Página 7</i> )
2	Dispositivo periférico conectable
3	Símbolos de conexión ( <i>Símbolos de conexión, Página 7</i> )
4	Componentes opcionales
5	Fuente de alimentación y cableado ( <i>Fuente de alimentación y cableado, Página 8</i> )

### 1.4.1 Símbolos del capítulo



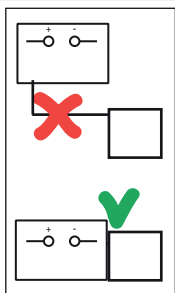
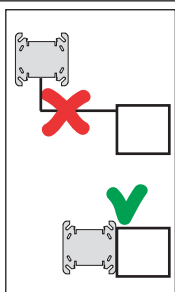

	Detectores automáticos		Paneles de mando y visualización		Impresora
	Fuente de alimentación		Módulos funcionales		Equipamiento de detección de incendios
	Módulos interfaz		Sistemas de extinción		Pulsadores de alarma
	Dispositivos de señalización		Controles de puertas		Unidades de transmisión

### 1.4.2 Símbolos de conexión

	Cableado obligatorio		Cableado opcional		No permitido
	Redundancia		Cableado del lazo		Cableado del lazo con elemento redundante
	Cableado del ramal		Cableado del ramal redundante		Cableado del ramal con elemento redundante
	Cableado del ramal redundante con elemento redundante	ELS	Este cableado cumple con VdS 2489 / VdS 2540 / VdS 2541 / VdS 2543. ELS corresponde a Extended Line Supervision (Supervisión ampliada de línea, que significa el control de cortocircuito por fluencia y circuito abierto por fluencia). Este cableado ofrece ELS. Los módulos siguientes son capaces de detectar un cortocircuito progresivo: LSN 0300 A, LSN 1500 A y BCM-0000-B utilizando FPP-5000-TI13.		Este cableado en lazo cumple con VdS 2489 / VdS 2540 / VdS 2541 / VdS 2543. Ofrece ELS. No requiere módulos EOL adicionales.
	Sincronización		Zonas con peligro de explosión		Central
	Central independiente		Central independiente con redundancia		Para las bases de detectores: el cableado solo es válido para la

					base de detector en la cual el detector está instalado.
EN 54-2, DIBT etc.	Si se requiere el cumplimiento de este estándar, utilice el cableado especificado.				

### 1.4.3 Fuente de alimentación y cableado

	Cable, se requieren 2 hilos.
	Se requiere un cable apantallado de 2 hilos.
	La carcasa del producto que contiene la fuente de alimentación debe estar montada empotrada al ras con el elemento.
	Se requiere montaje empotrado del módulo interfaz.
 <b>Reset action</b>	Consulte el cableado en este manual. Para que el dispositivo se reinicie automáticamente, debe implementar la acción de reset.

### 1.5 Valores de resistencia

La siguiente tabla describe la codificación de colores de las resistencias. Las resistencias con película de metal que se suministran con el producto tienen líneas de 5 colores, que indican el valor de resistencia.

Color	1. línea	2. línea	3. línea	4. línea (multiplicador)	5. línea (tolerancia)
Plateada				10 <sup>-2</sup>	±10%
Dorado				10 <sup>-1</sup>	±5%
Negro		0	0	10 <sup>0</sup>	
Marrón	1	1	1	10 <sup>1</sup>	±1%
Rojo	2	2	2	10 <sup>2</sup>	±2%



Color	1. línea	2. línea	3. línea	4. línea (multiplicador)	5. línea (tolerancia)
Naranja	3	3	3	10 <sup>3</sup>	±0.05%
Amarillo	4	4	4	10 <sup>4</sup>	±0.02%
Verde	5	5	5	10 <sup>5</sup>	±0.5%
Azul	6	6	6	10 <sup>6</sup>	±0.25%
Violeta	7	7	7	10 <sup>7</sup>	±0.1%
Gris	8	8	8	10 <sup>8</sup>	±0.01%
Blanco	9	9	9	10 <sup>9</sup>	

Según la norma DIN EN 60062:2017

*Naranja — blanco — negro — marrón — marrón*: resistencia de 3,9 kOhm con tolerancia del 1 %,

*Rojo — rojo — negro — marrón — marrón*: resistencia de 2,2 kOhm con tolerancia del 1 %.

## 2 Wiring



*FPP-5000 Power supply, Página 11*

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

*DIBT, Página 15*

*Functional Modules, Página 42*

*BCM-000-B, Página 43*

*CZM 0004 A, Página 45*

*ENO 0000 A/B, Página 61*

*LSN 0300 A, Página 68*

*NZM 0002 A, Página 106*

*RMH 0002 A, Página 119*

*IOS 0020 A, Página 120*

*FPE-5000-UGM, Página 122*

*Interface Modules, Página 124*

*FLM-420-4/CON-D/S, Página 125*

*FLM-420-I8R1-S, Página 158*

*FLM-420-NAC-D/S, Página 160*

*FLM-420-RHV, Página 172*

*FLM-420-RLE-S, Página 184*

*FLM-420-RLV1-E, Página 185*

*FLM-420-RLV8-S, Página 186*

*FMF-ADP-FBF/FMF-ADP-TTY, Página 187*

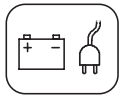
*EOL, Página 188*

*CZM 0004 A, Página 189*

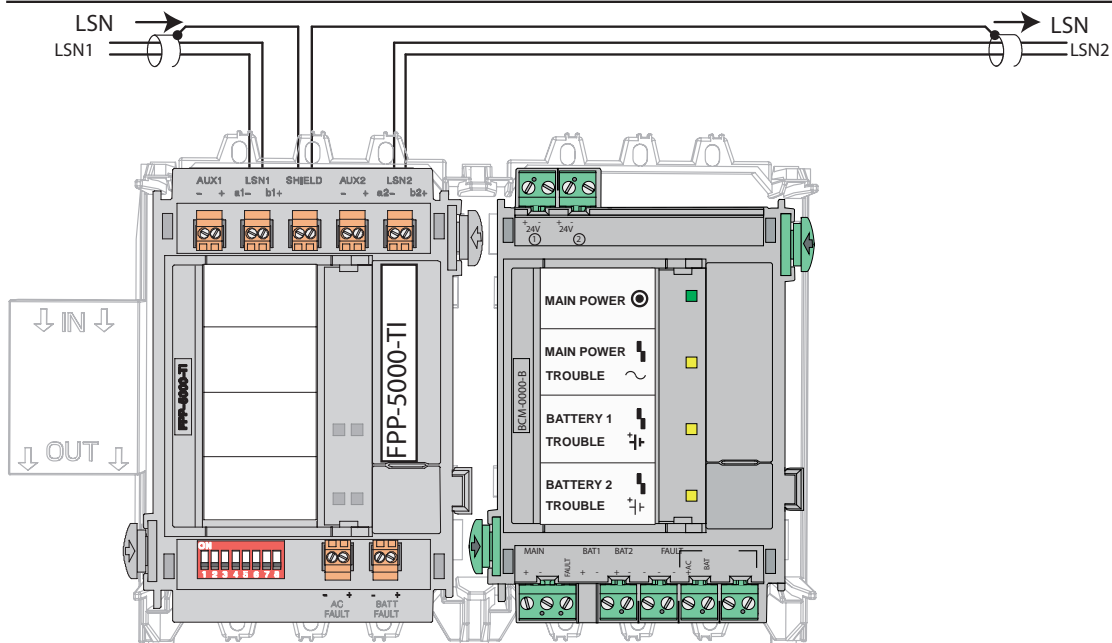
*LSN 0300 A, Página 201*

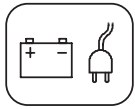
*FLM-420/4-CON-S/D, Página 246*

## 2.1 FPP-5000 Power supply



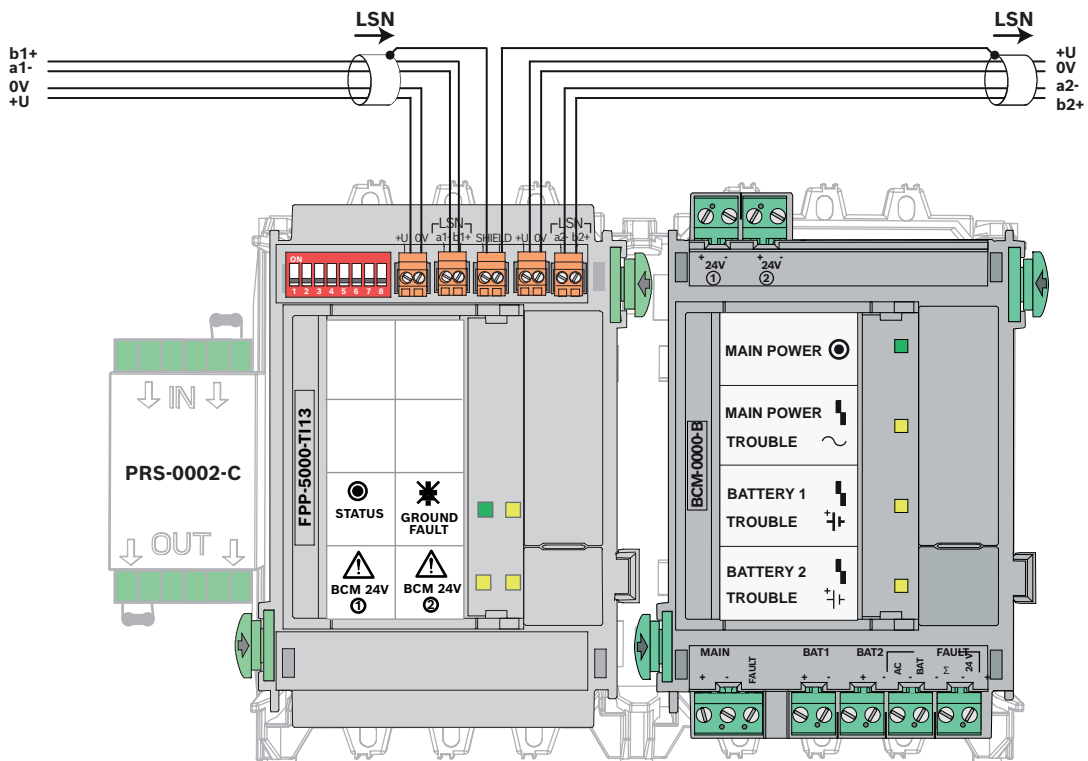
FPP-5000-TI



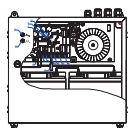
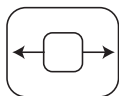


FPP-5000-TI13

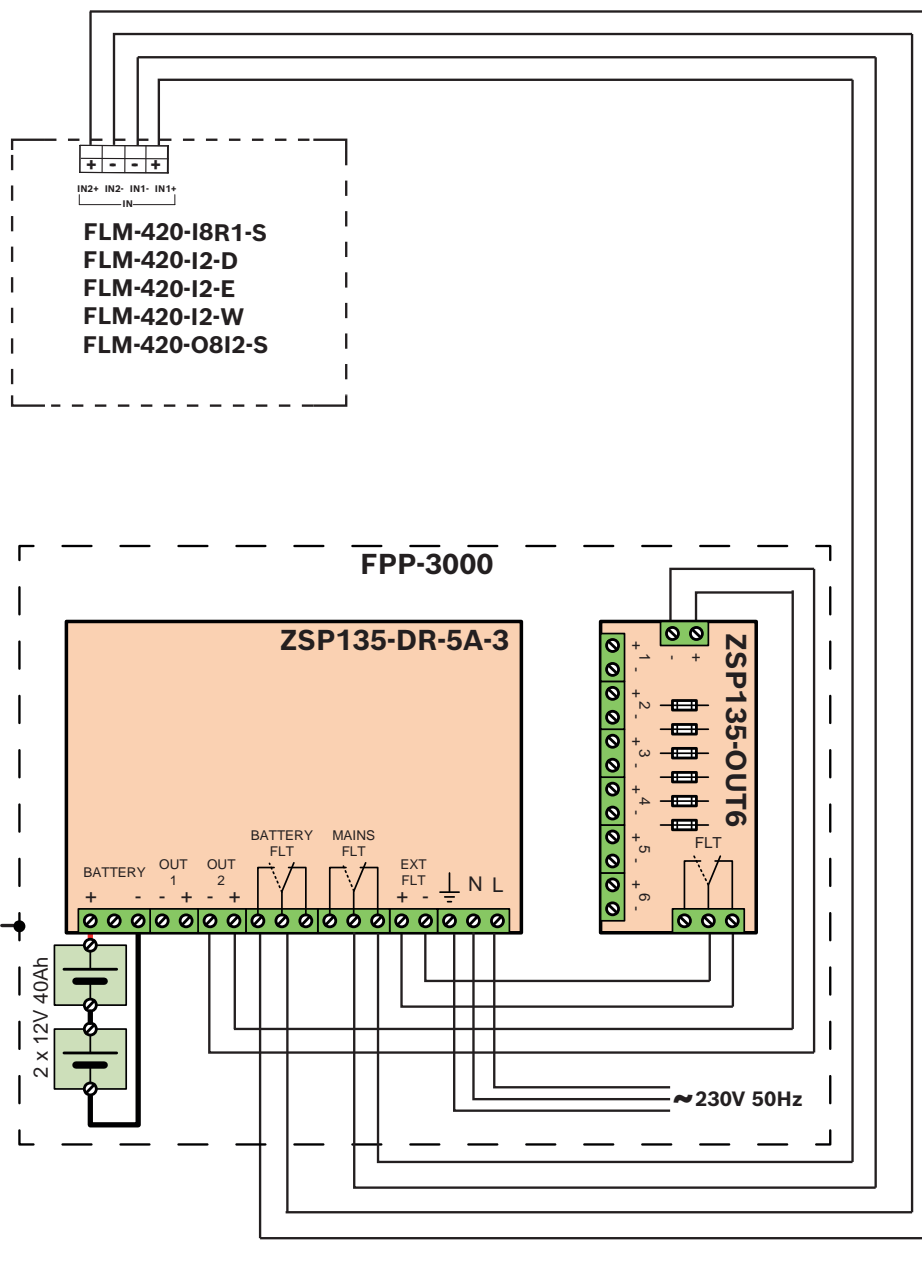
ELS

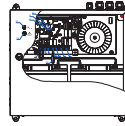
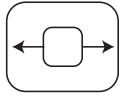


## 2.2 FPP-3000 Power supply (ZSP135-DR-5A-3/ZSP135-OUT6)

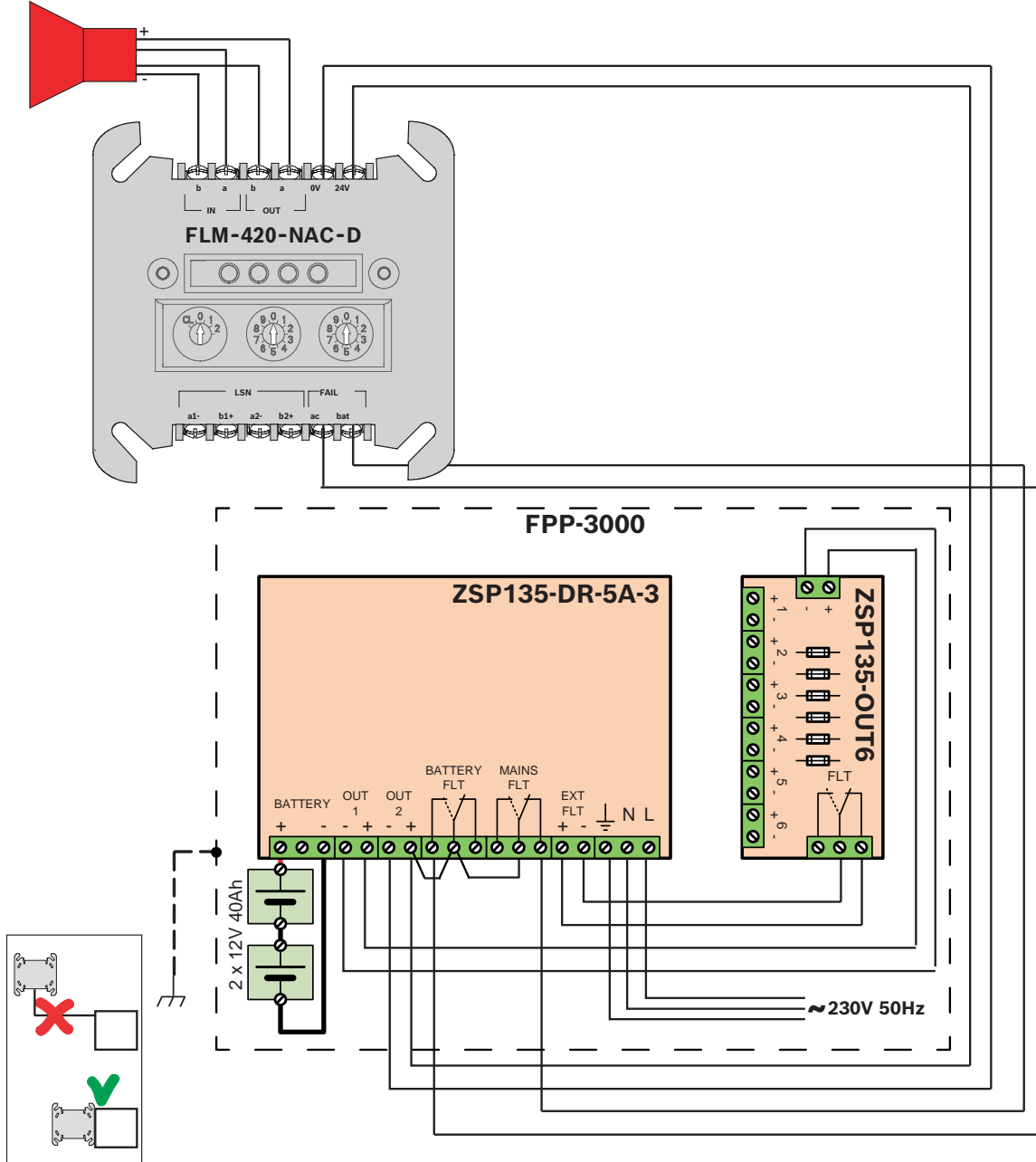


ZSP135-DR-5A-3  
ZSP135-OUT6  
FPP-3000

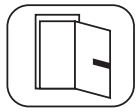




ZSP135-DR-5A-3  
ZSP135-OUT6  
FPP-3000

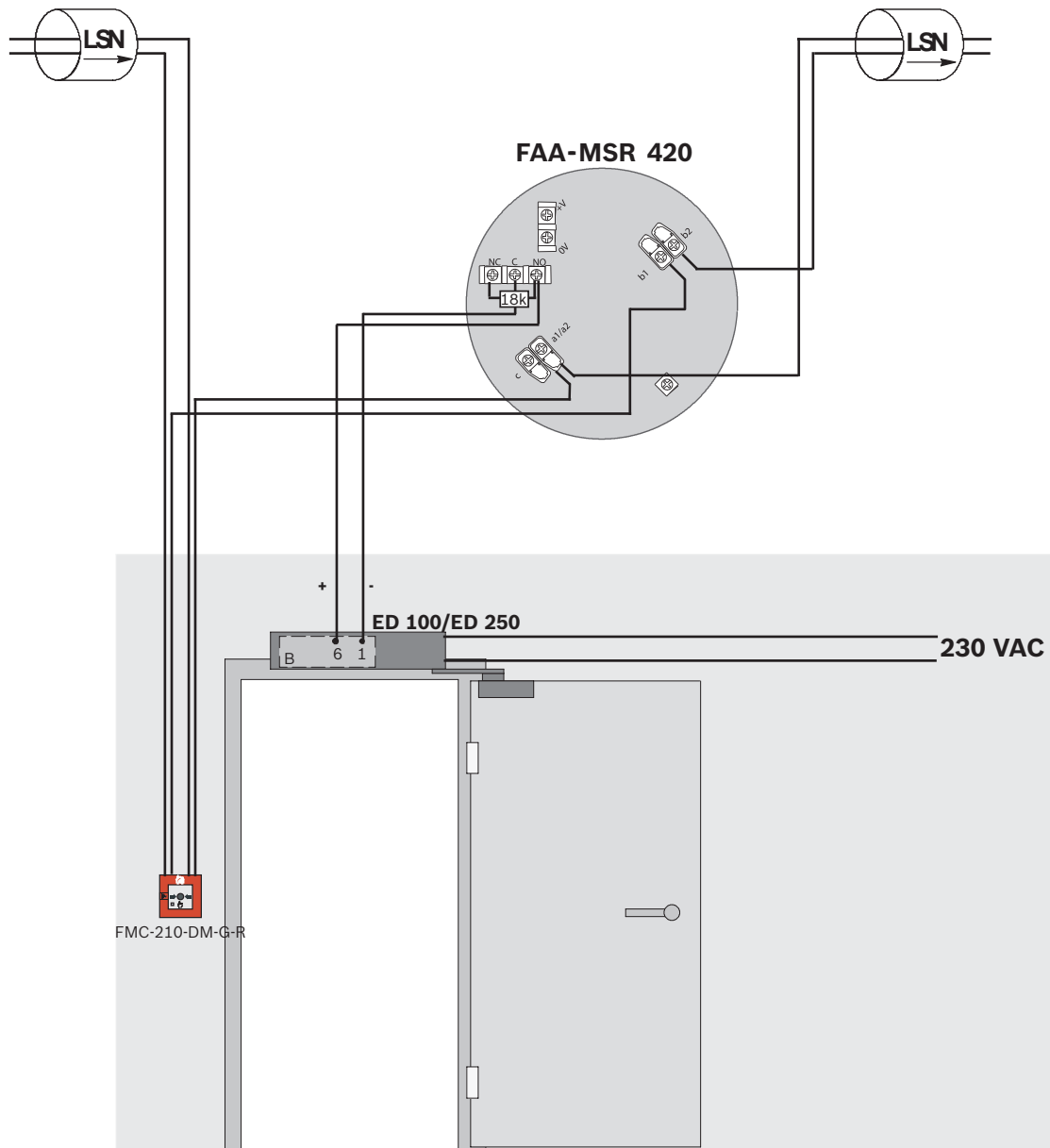


### 2.3 DIBT



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

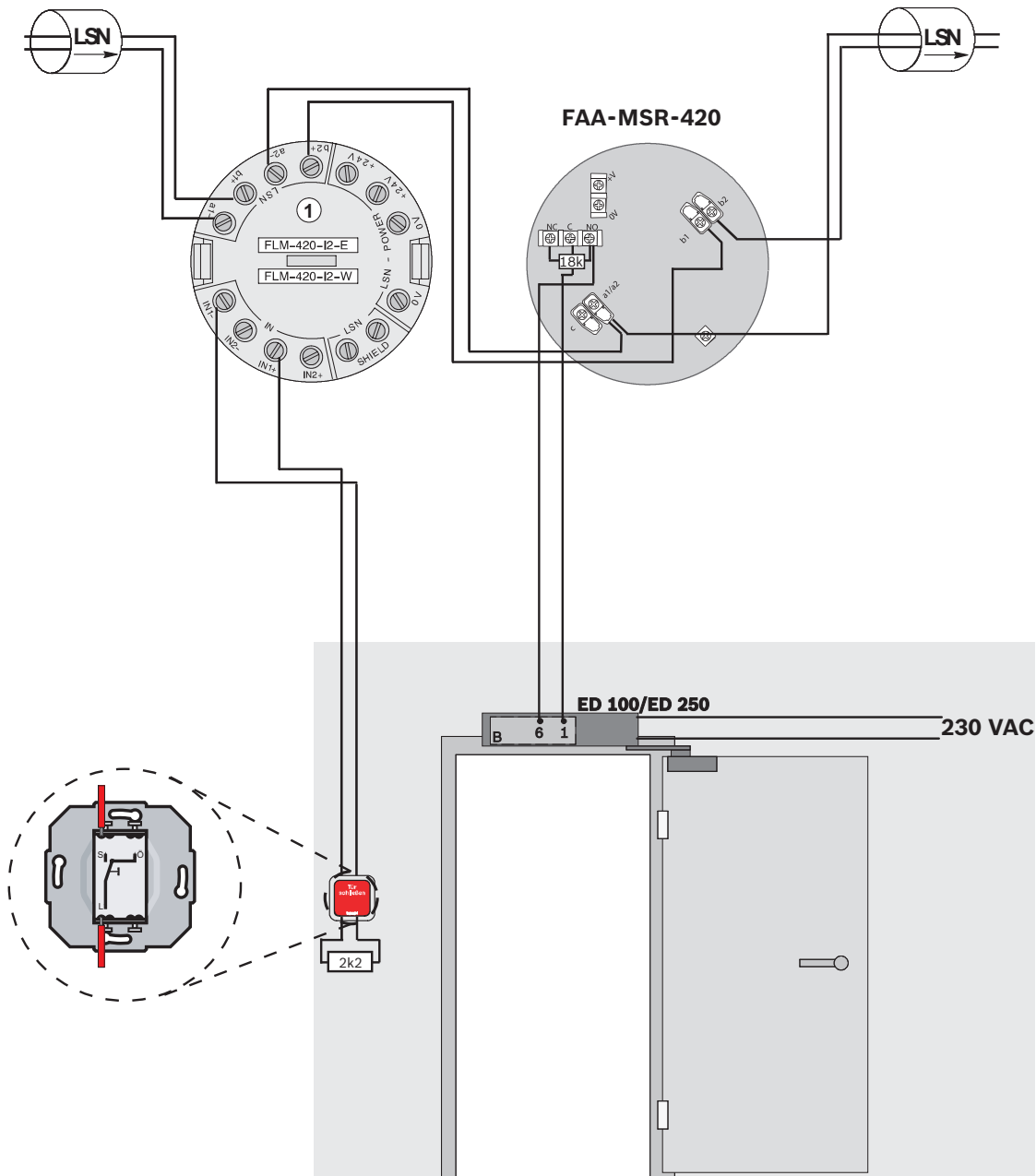
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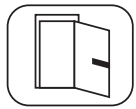


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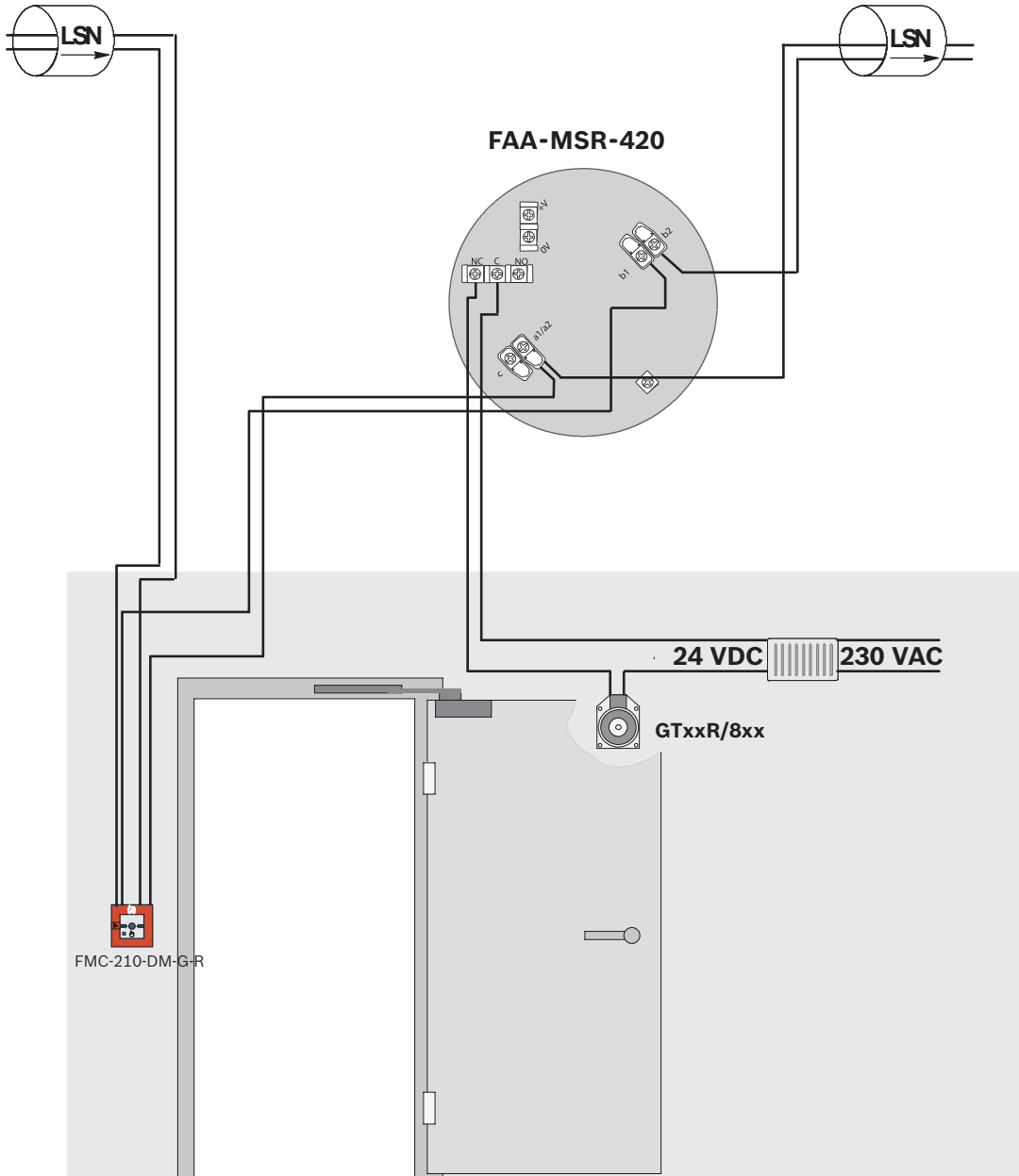
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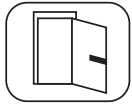




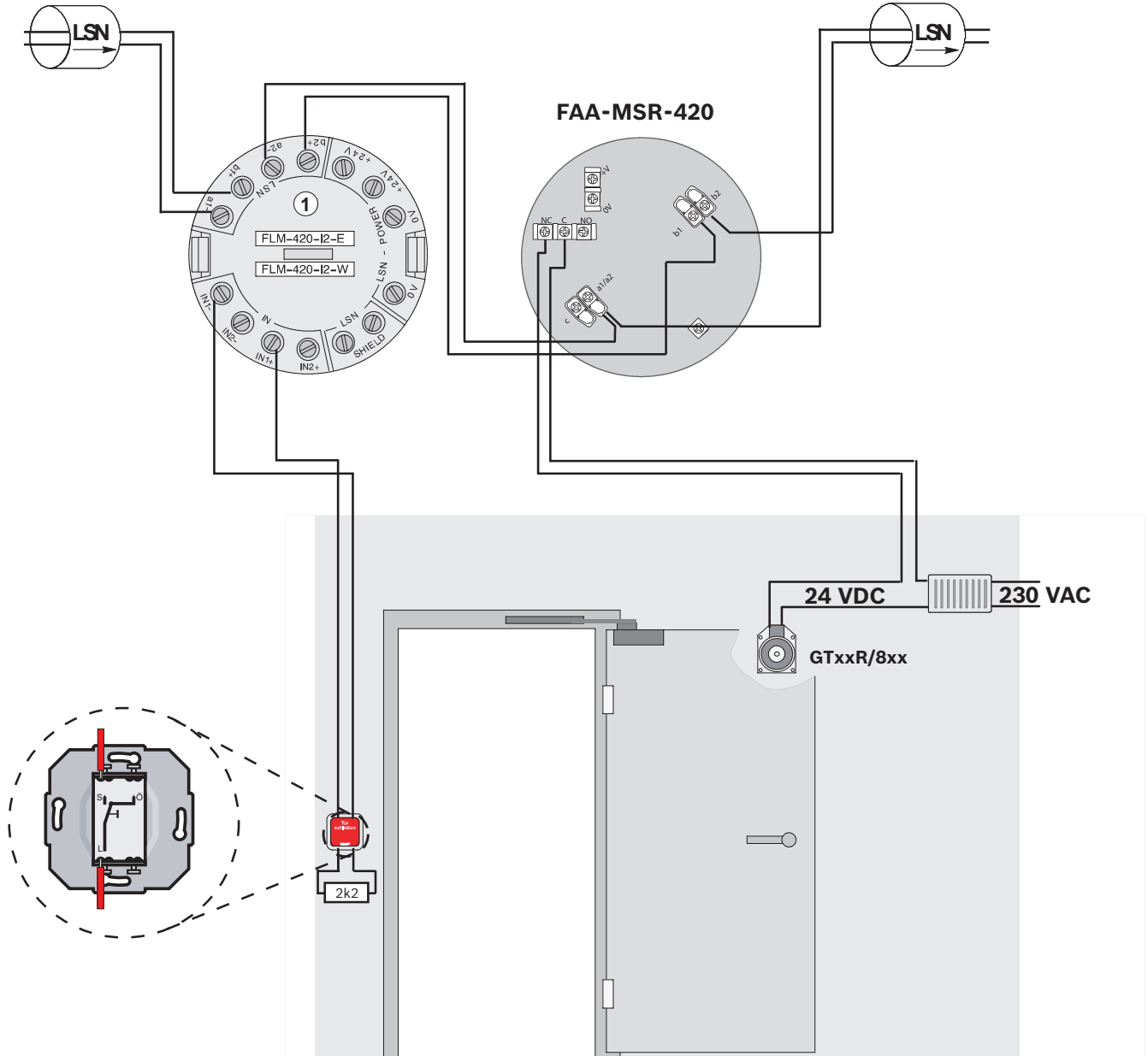


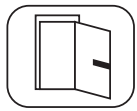
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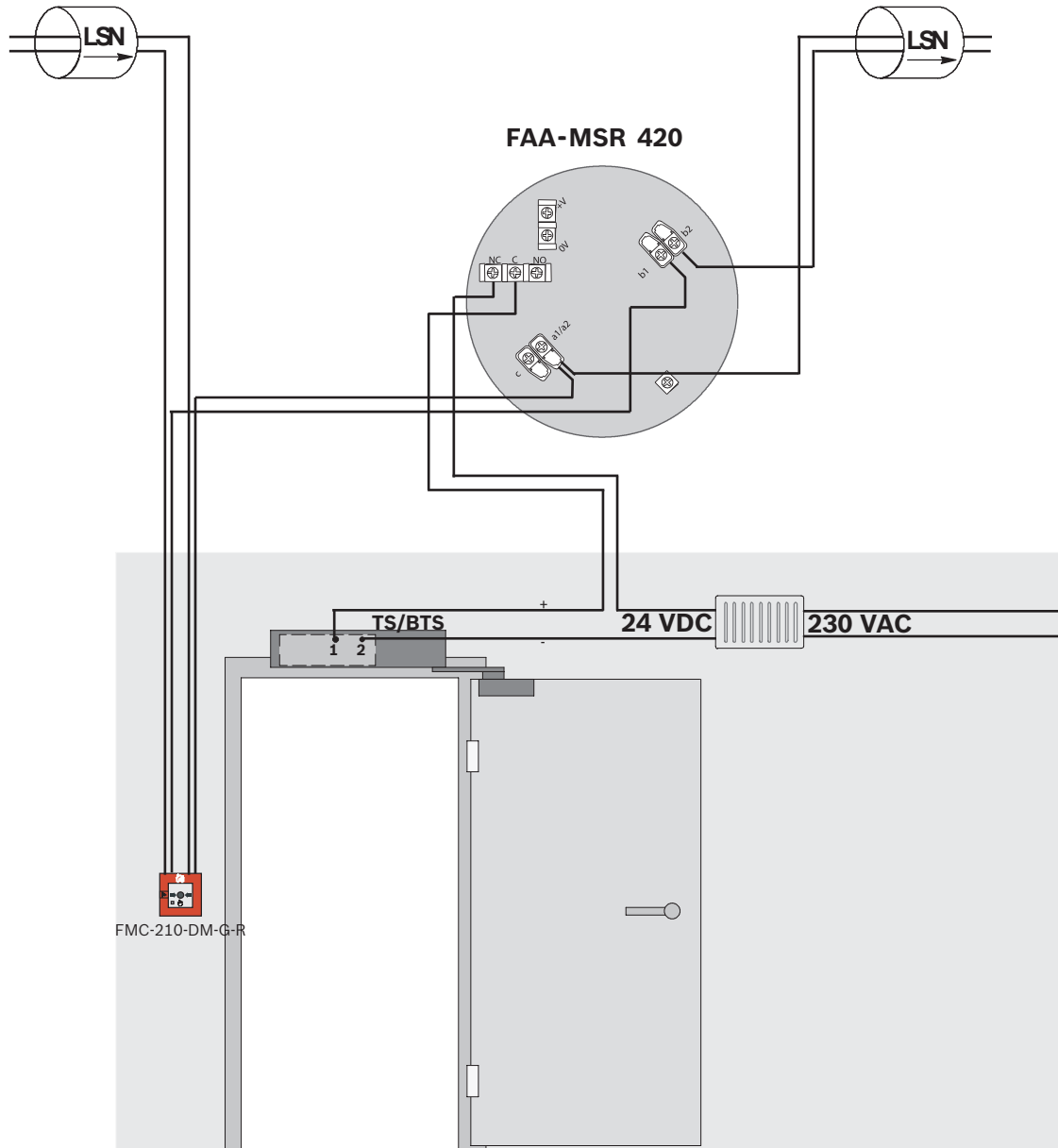
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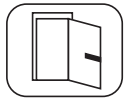




TS 73 EMF  
 TS 93 EMF  
 TS 93 GSR  
 BTS 80 EMB  
 BTS 80 FLB

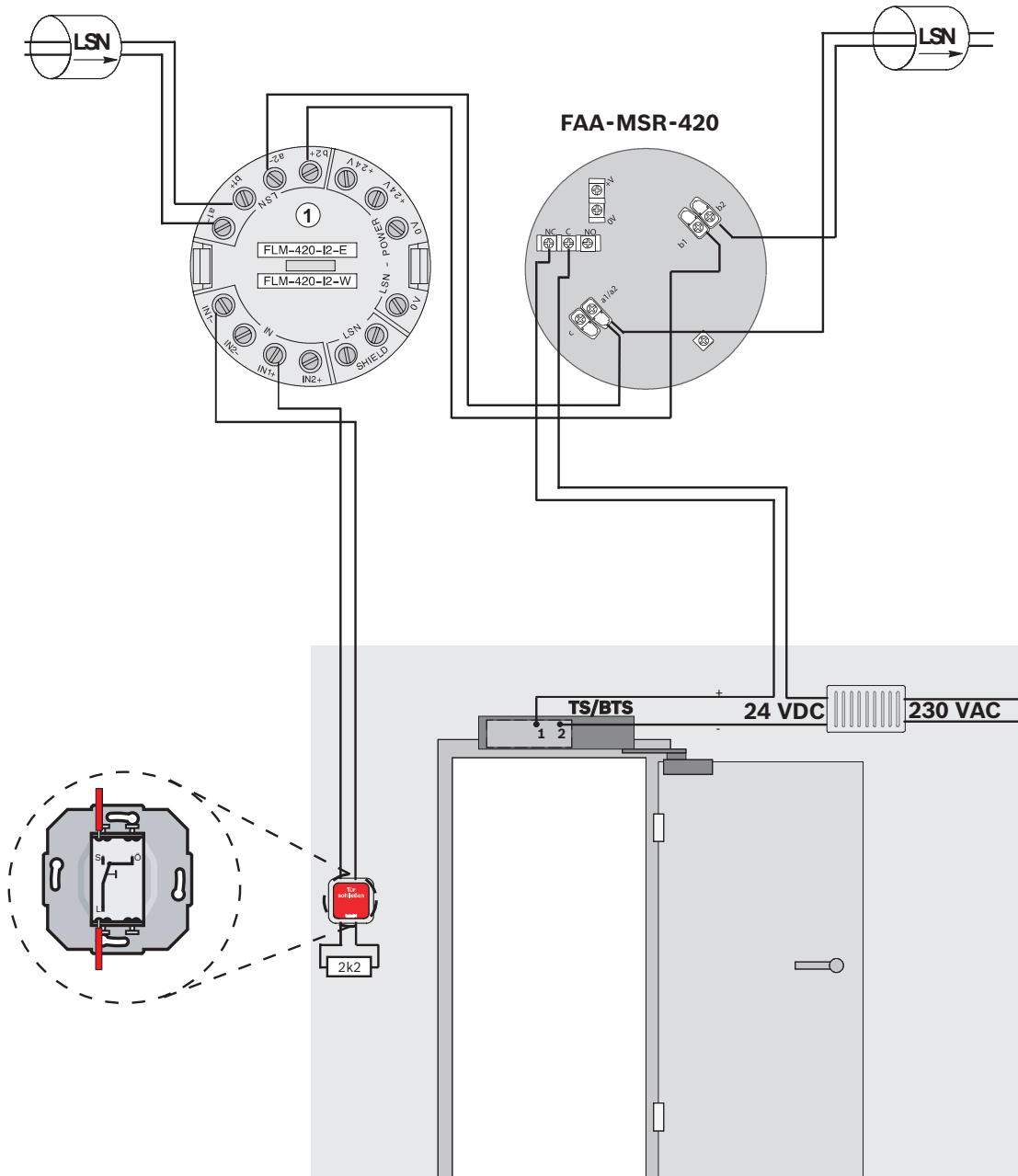
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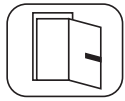




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 TS 93 GSR  
 BTS 80 EMB  
 BTS 80 FLB

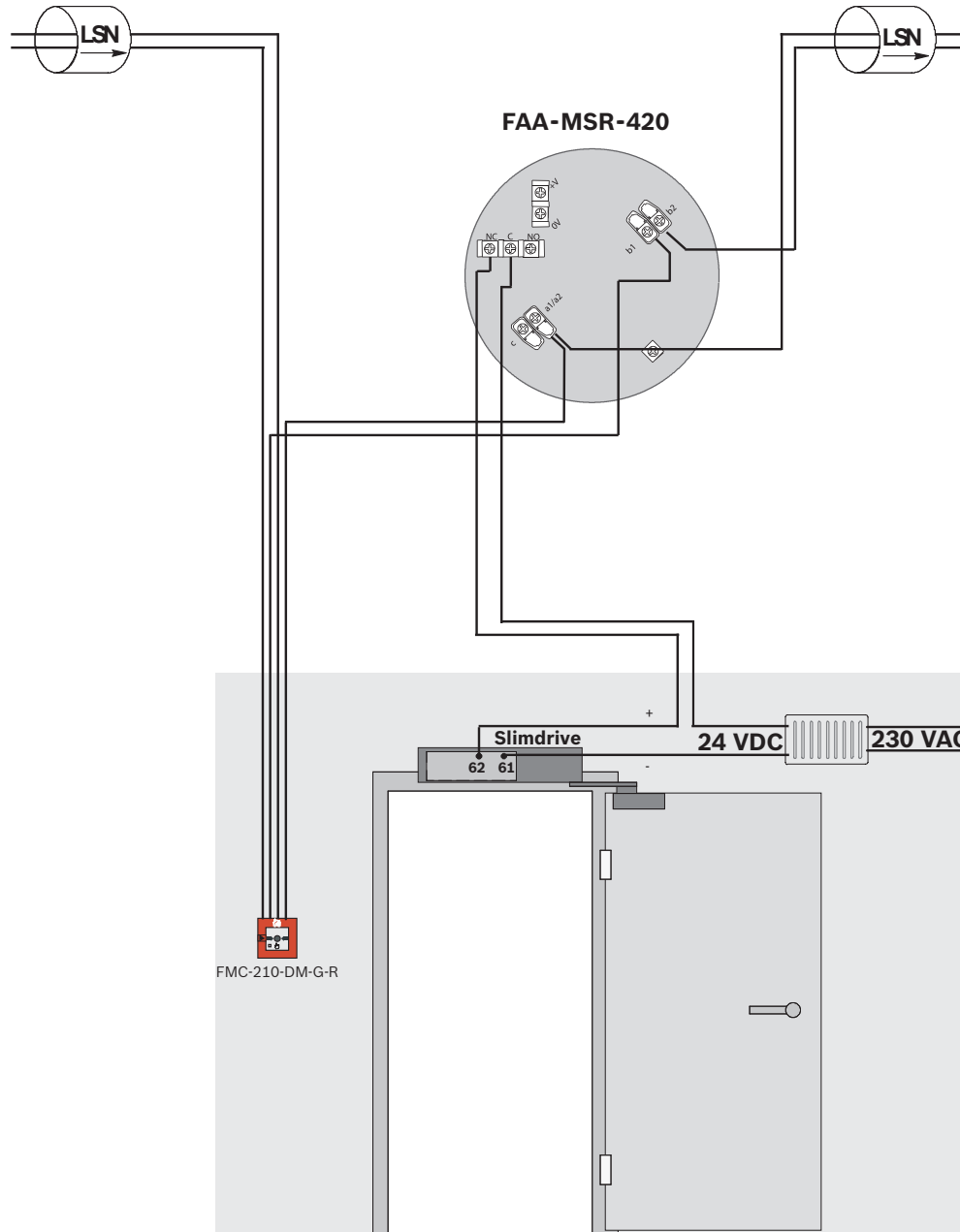
DIBT





Slimdrive EMD-F/EMD F-IS

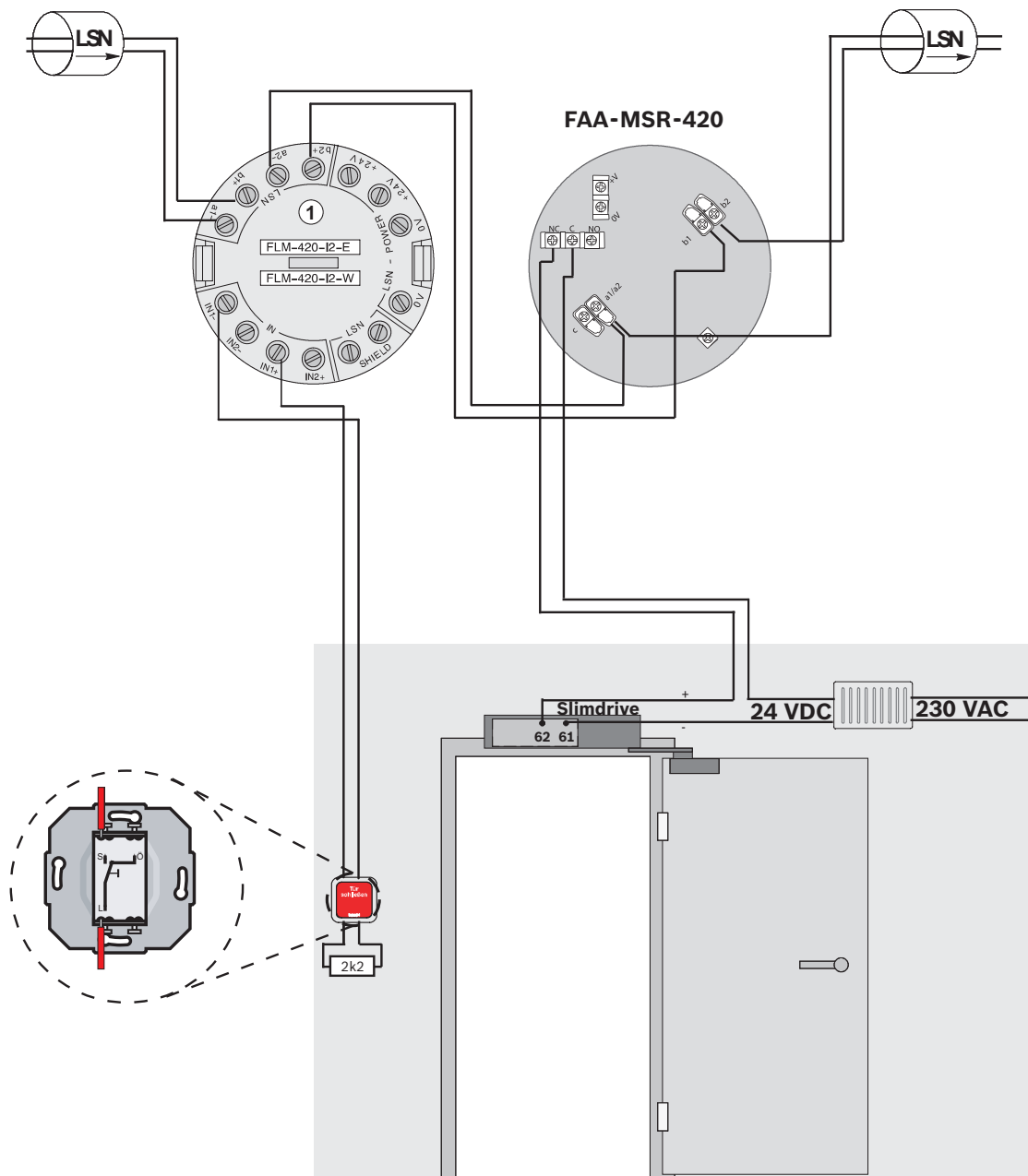
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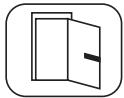




Slimdrive EMD-F/EMD F-IS

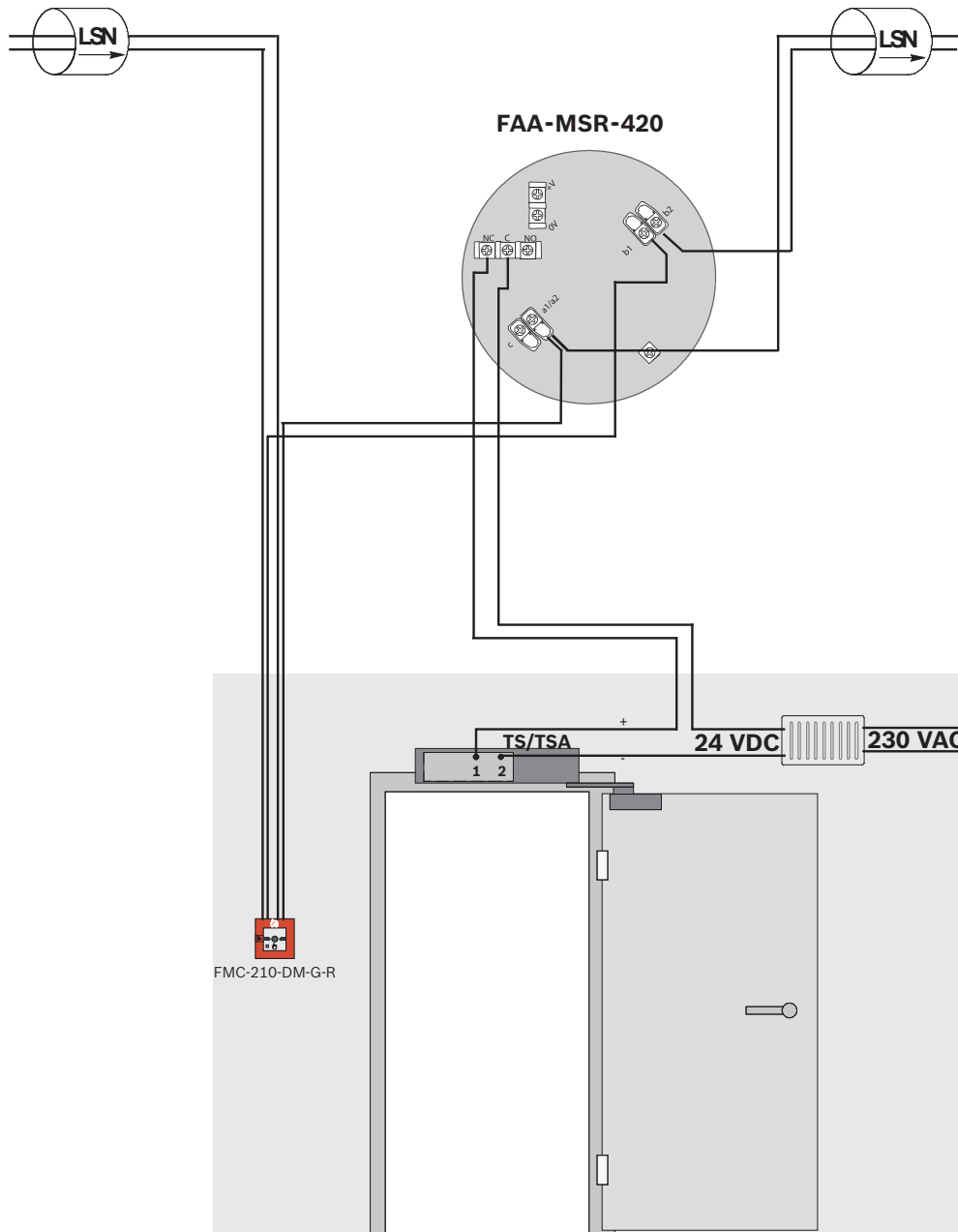
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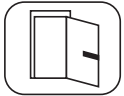




TS 4000 E/E-IS/EFS  
 TS 5000 E/E-IS/E-ISM  
 TS 550 E  
 TSA 160 NT F/F-IS/F-IS/TS

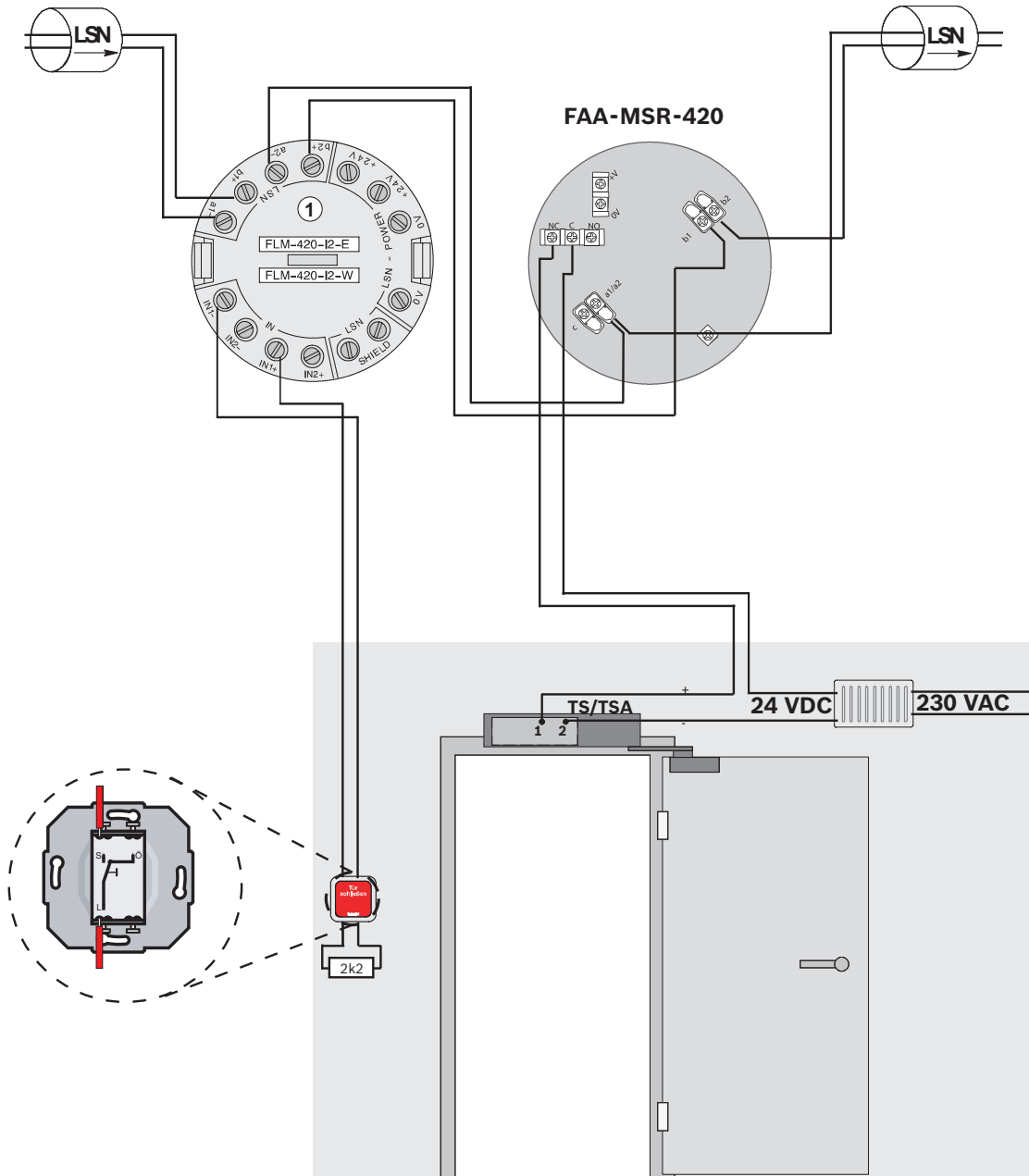
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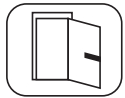


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 TS 5000 E/E-IS/E-ISM  
 TS 550 E  
 TSA 160 NT F/F-IS/F-IS/TS

DIBT

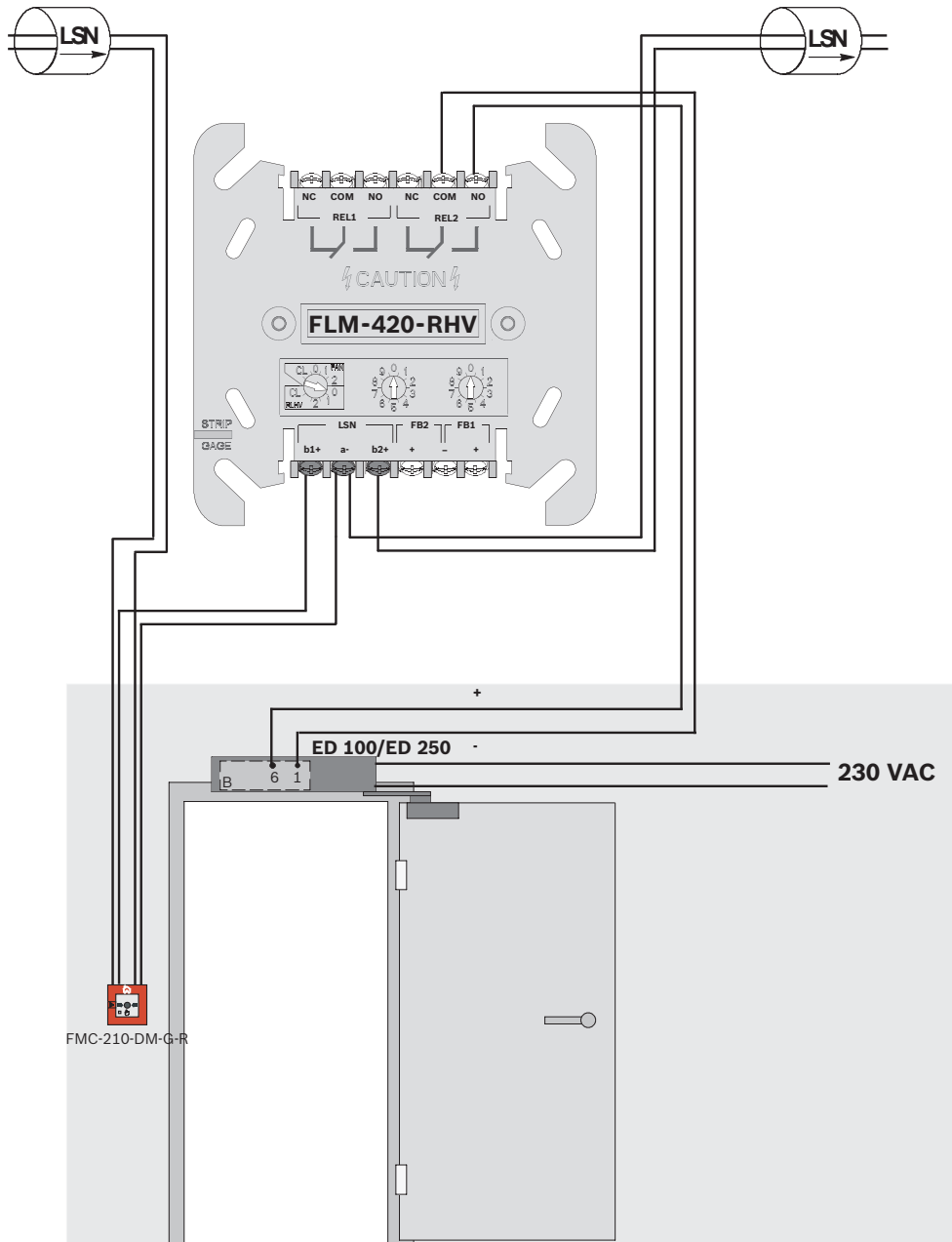






**ED 100  
ED 250  
(+Upgrade Card B**

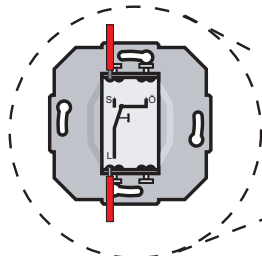
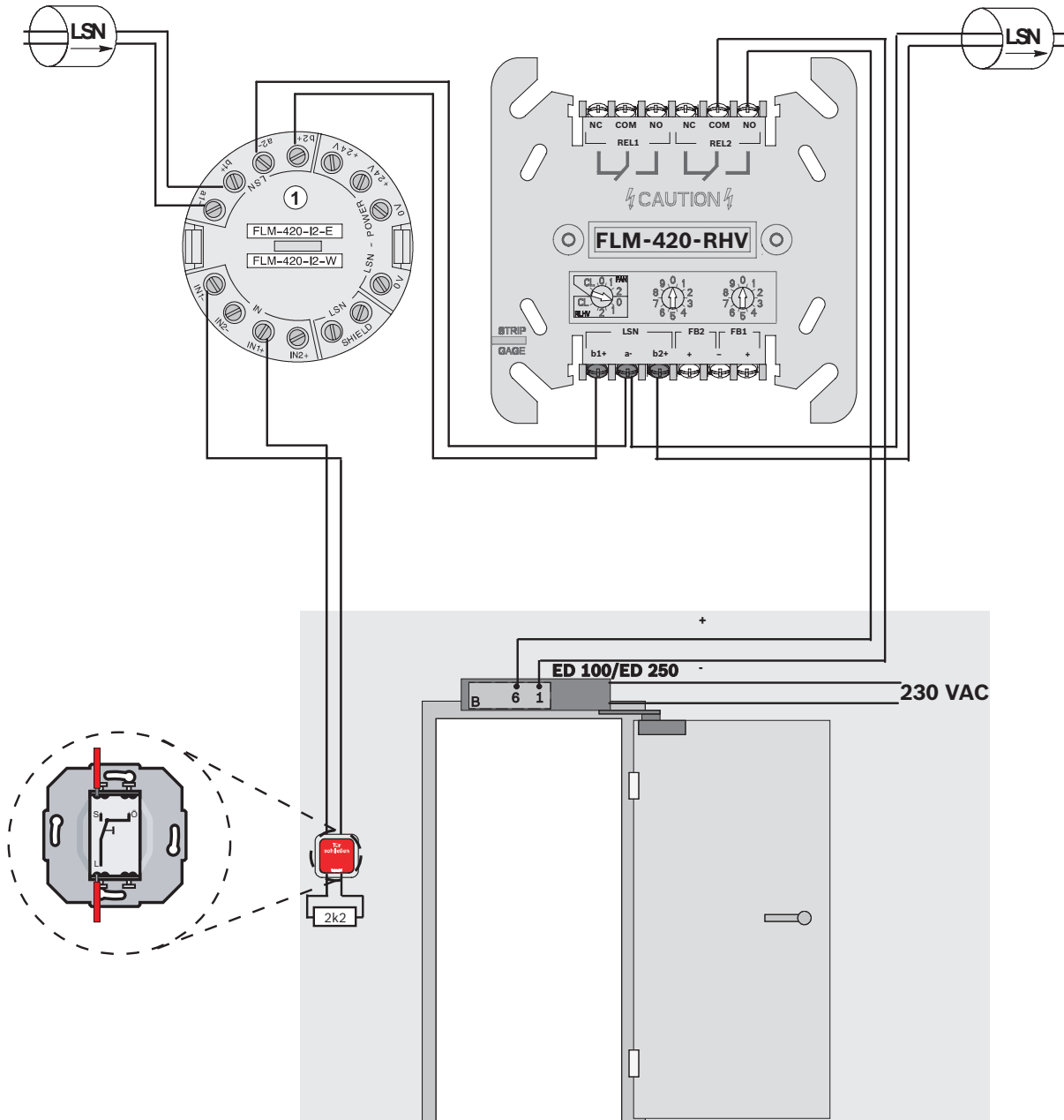
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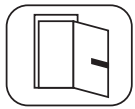




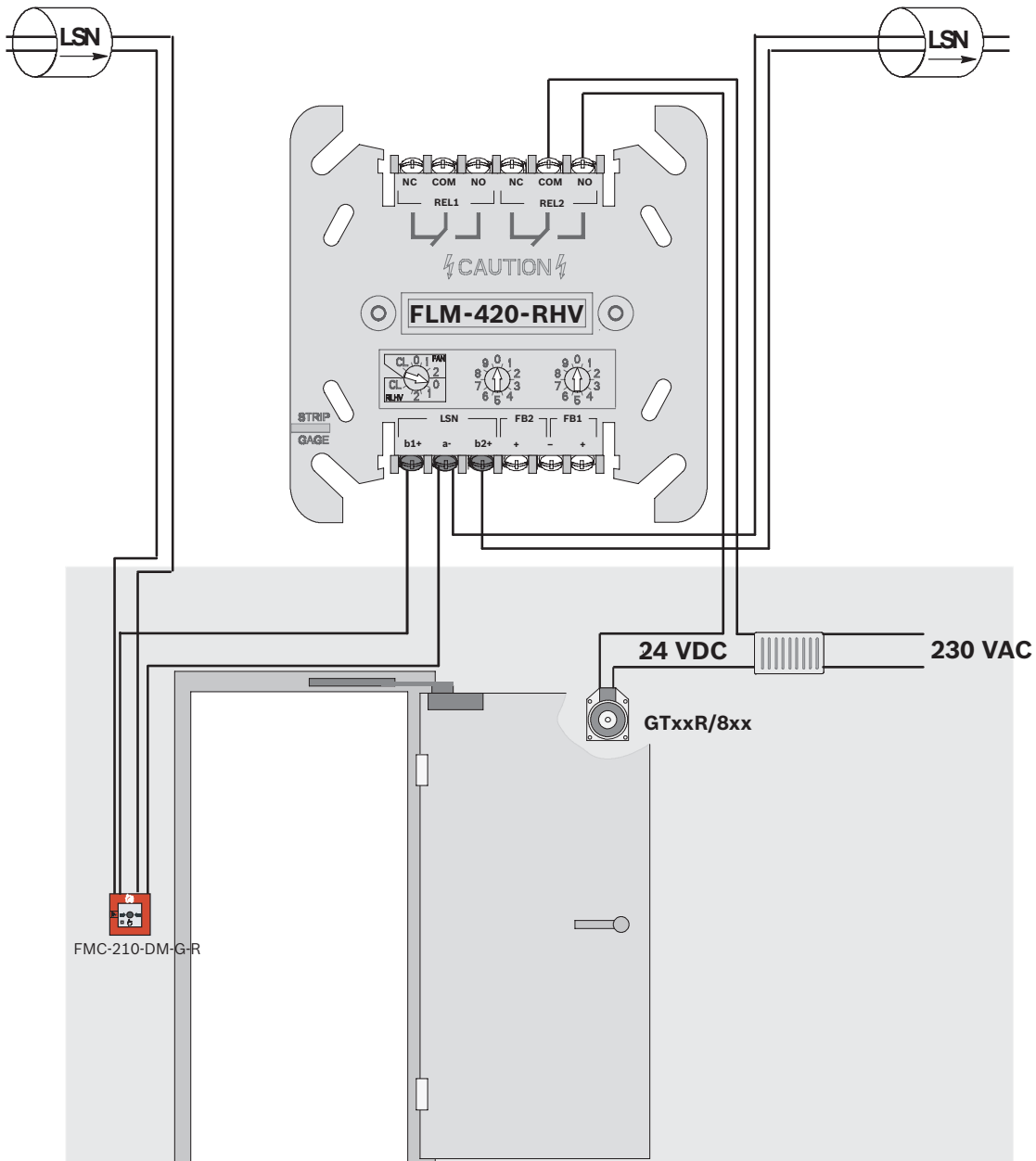
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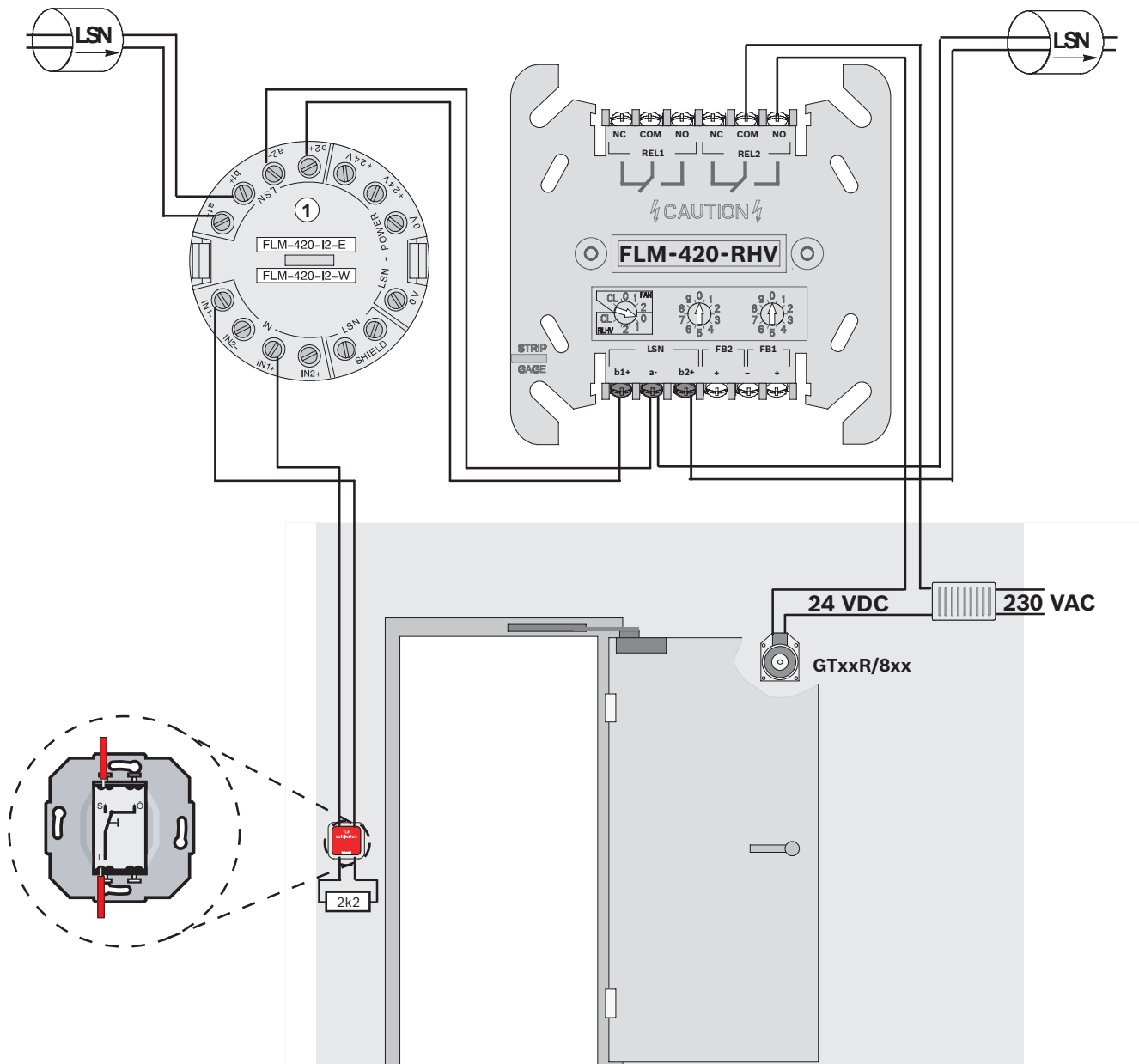


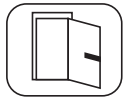
DIBT





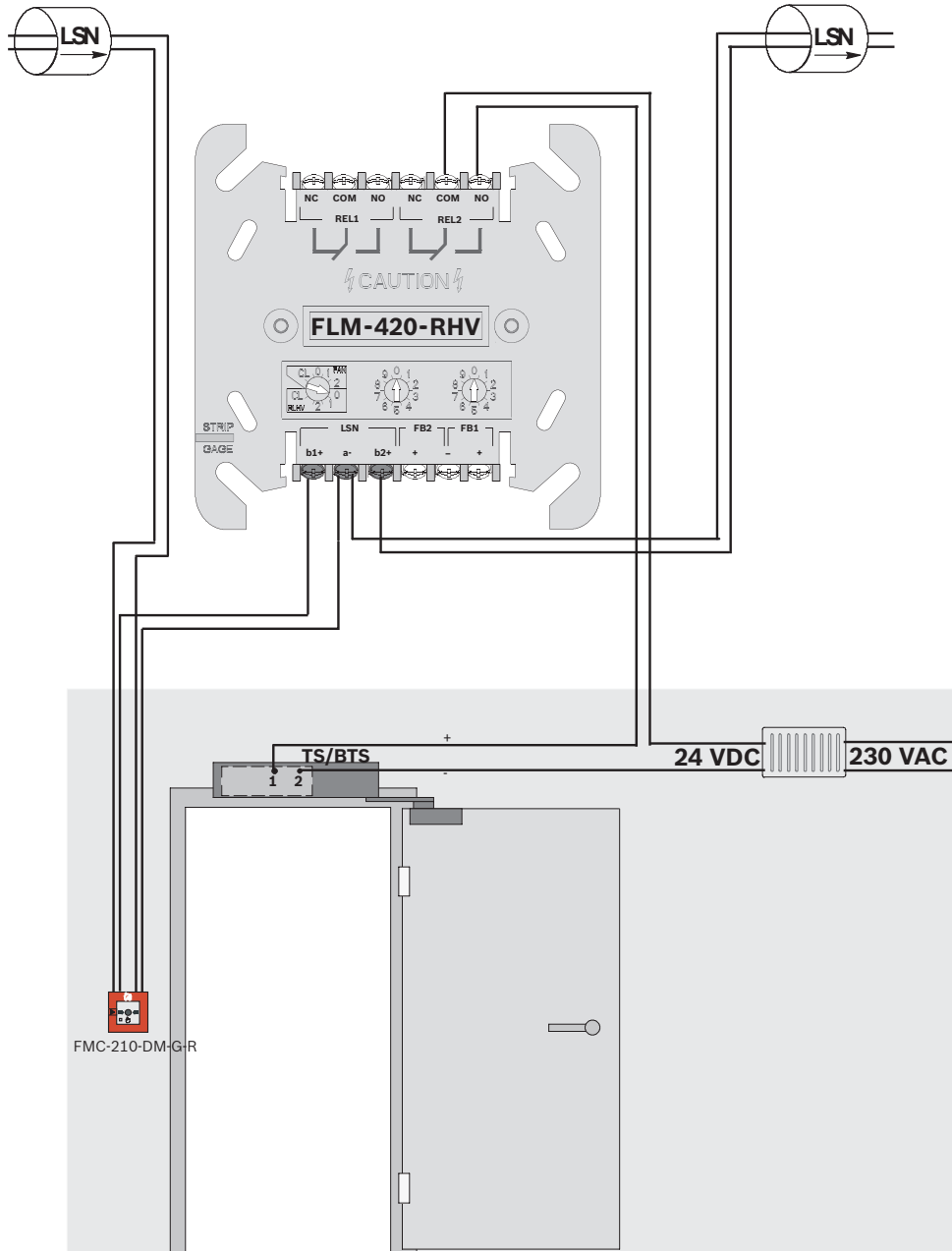
DIBT

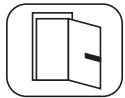




TS 73 EMF  
 TS 93 EMF  
 TS 93 GSR  
 BTS 80 EMB  
 BTS 80 FLB

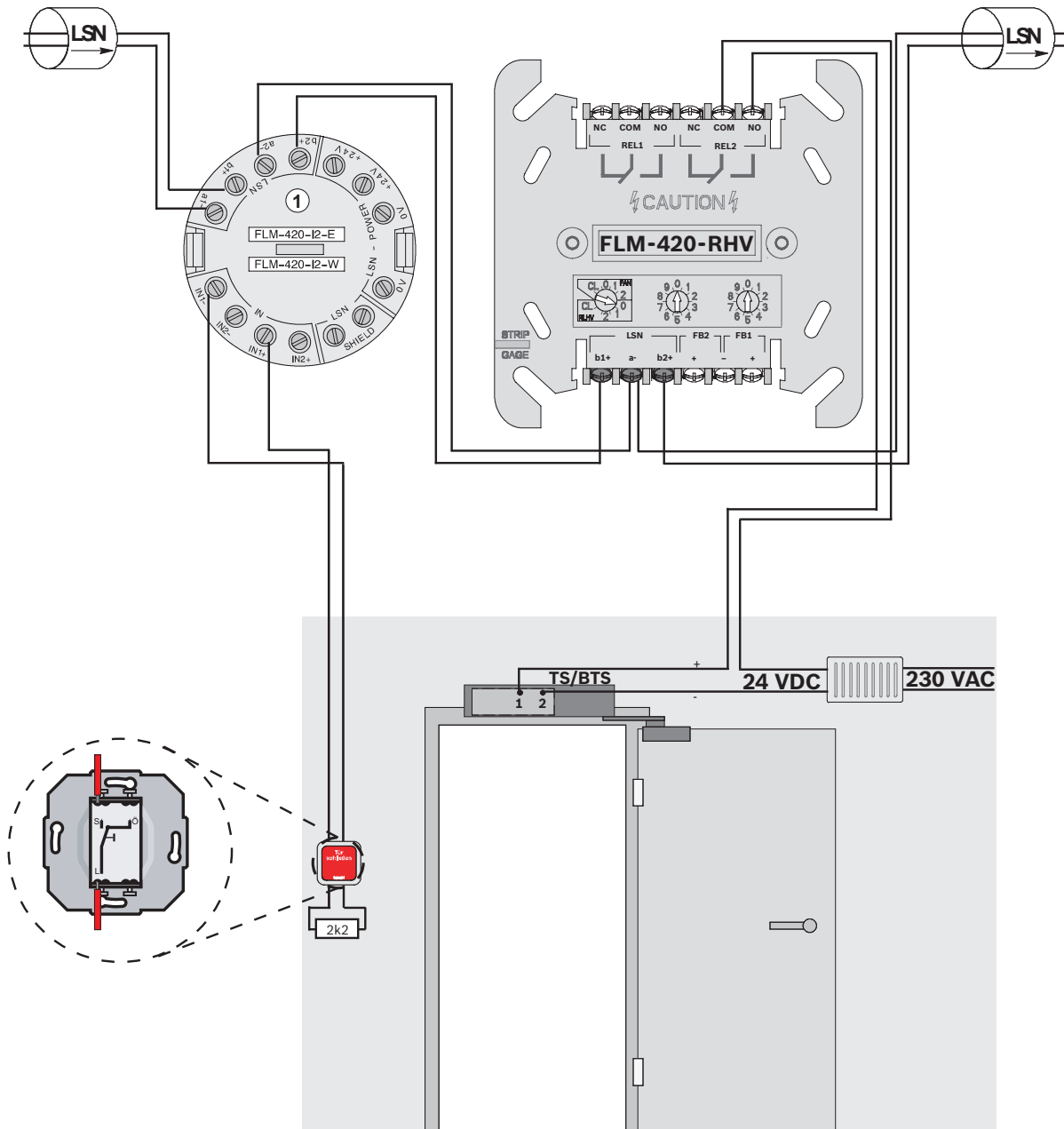
DIBT





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

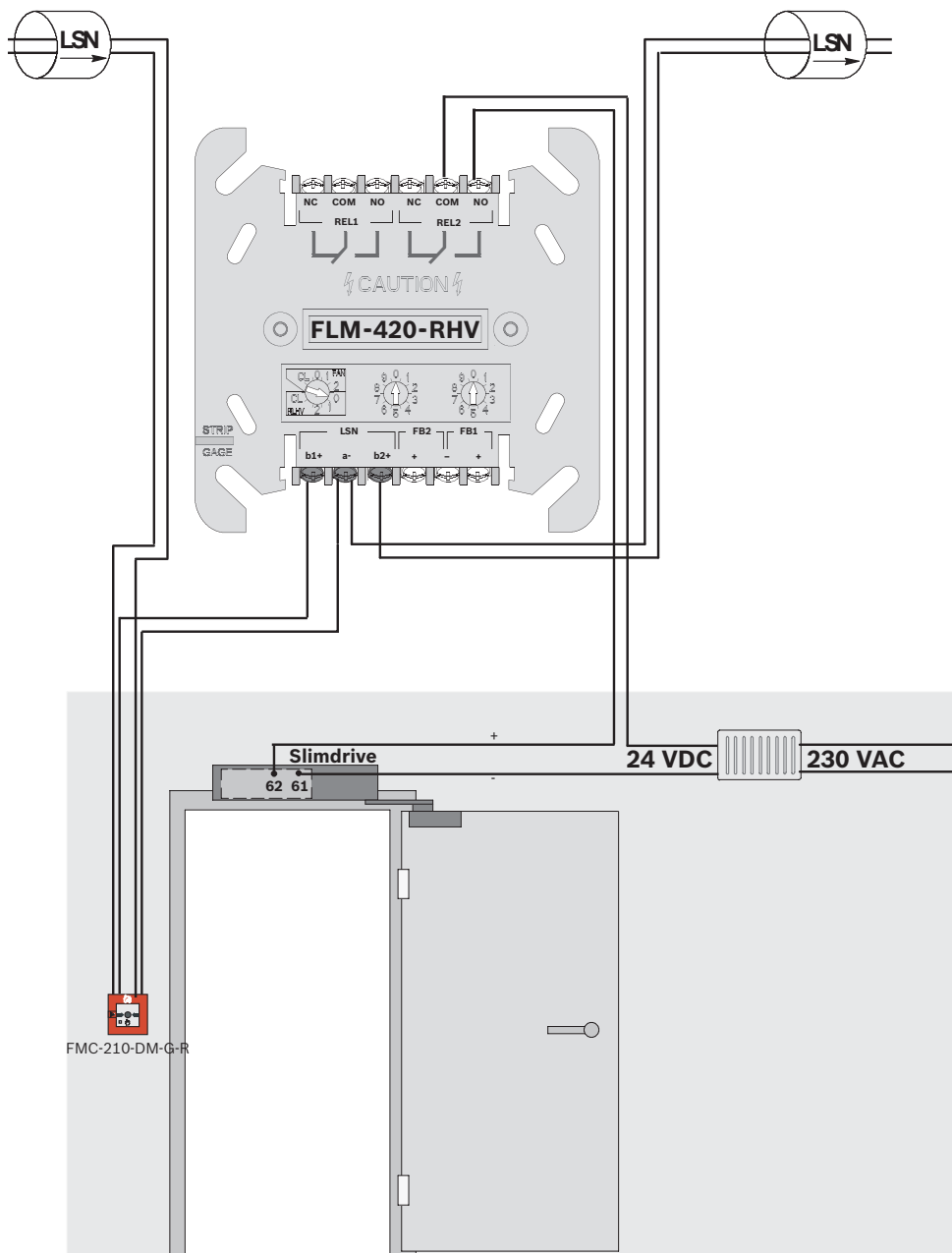
DIBT

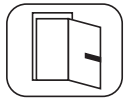




Slimdrive EMD-F/EMD F-IS

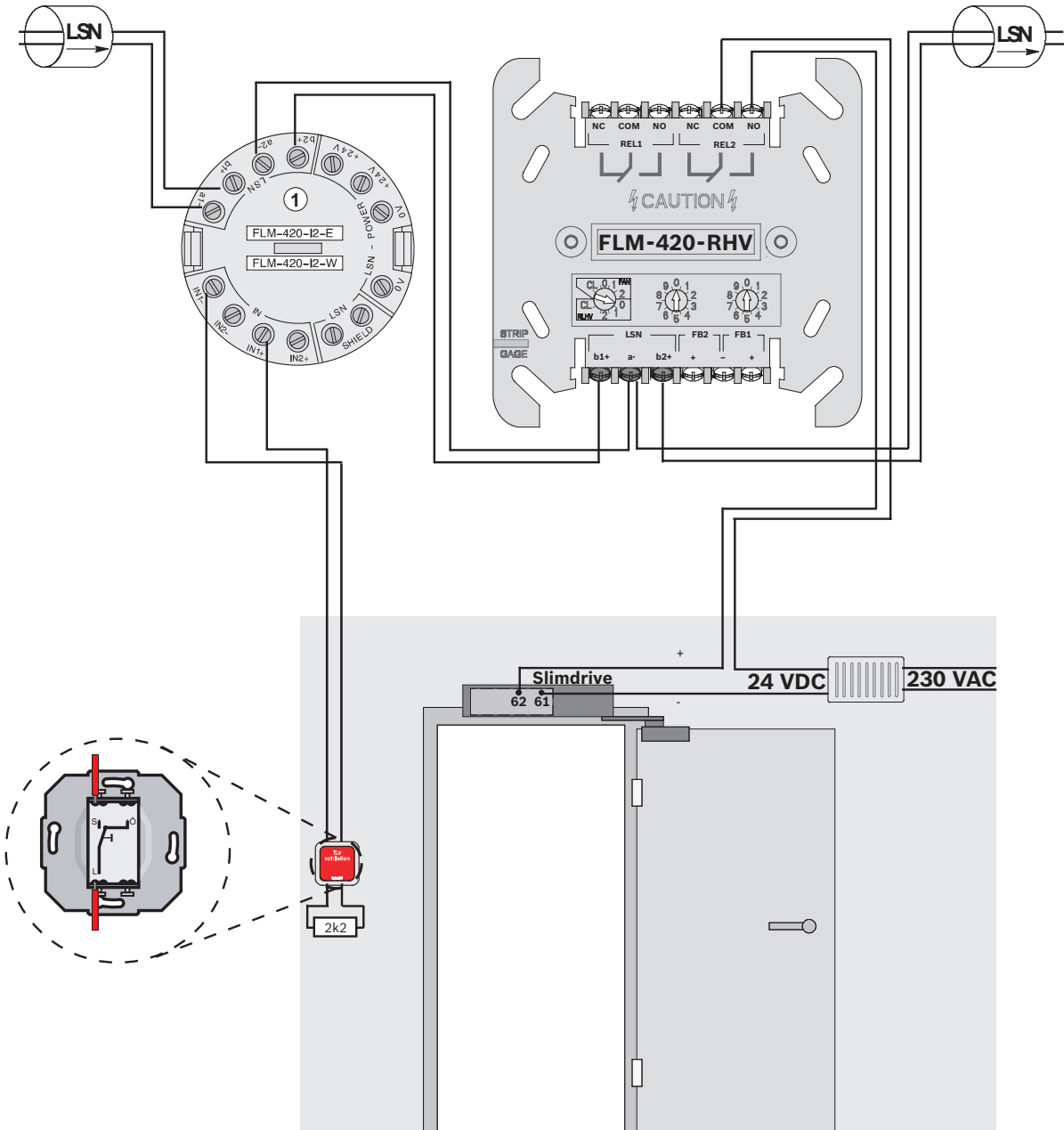
DIBT



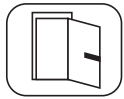


Slimdrive EMD-F/EMD F-IS

DIBT

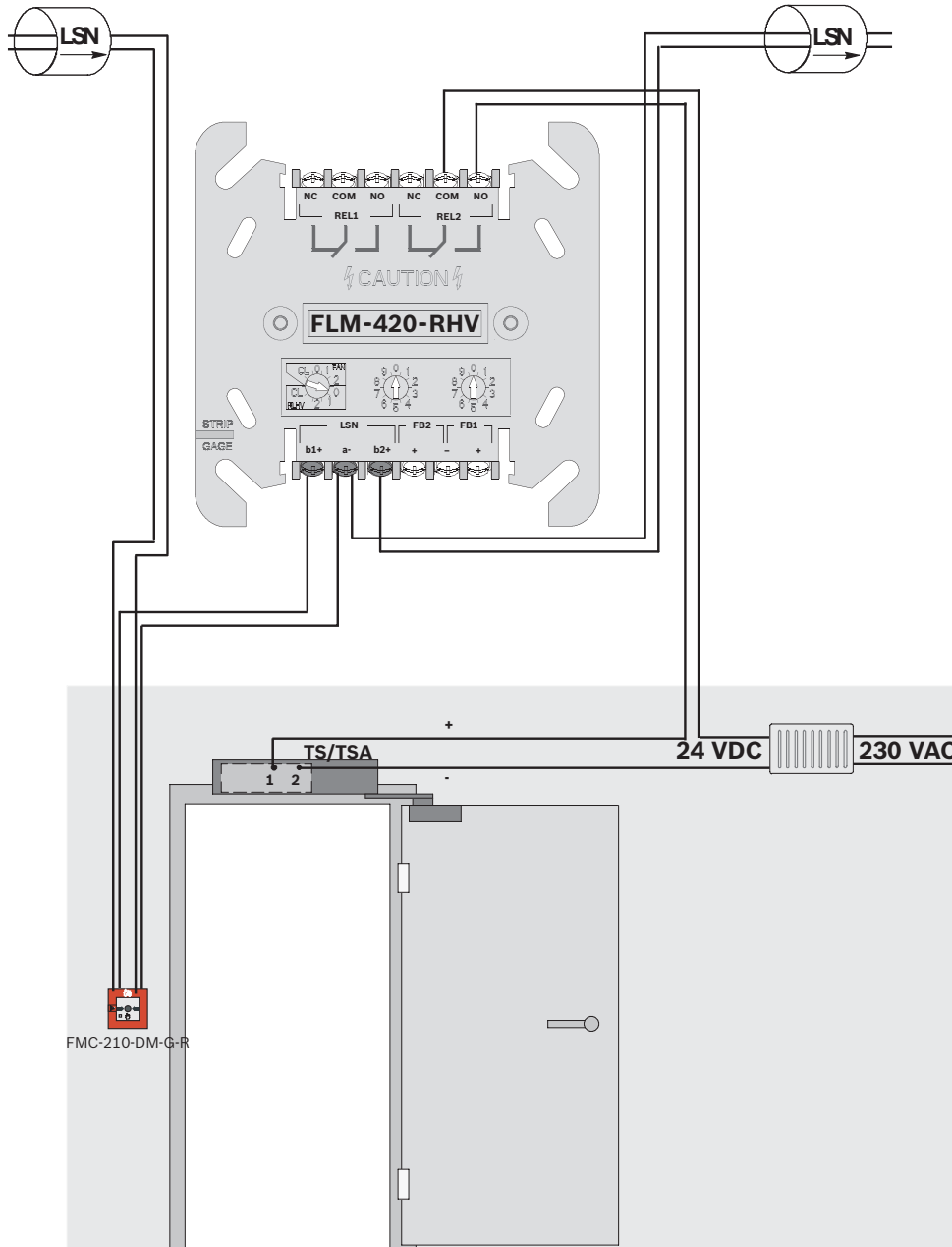






TS 4000 E/E-IS/EFS  
 TS 5000 E/E-IS/E-ISM  
 TS 550 E  
 TSA 160 NT F/F-IS/F-IS/TS

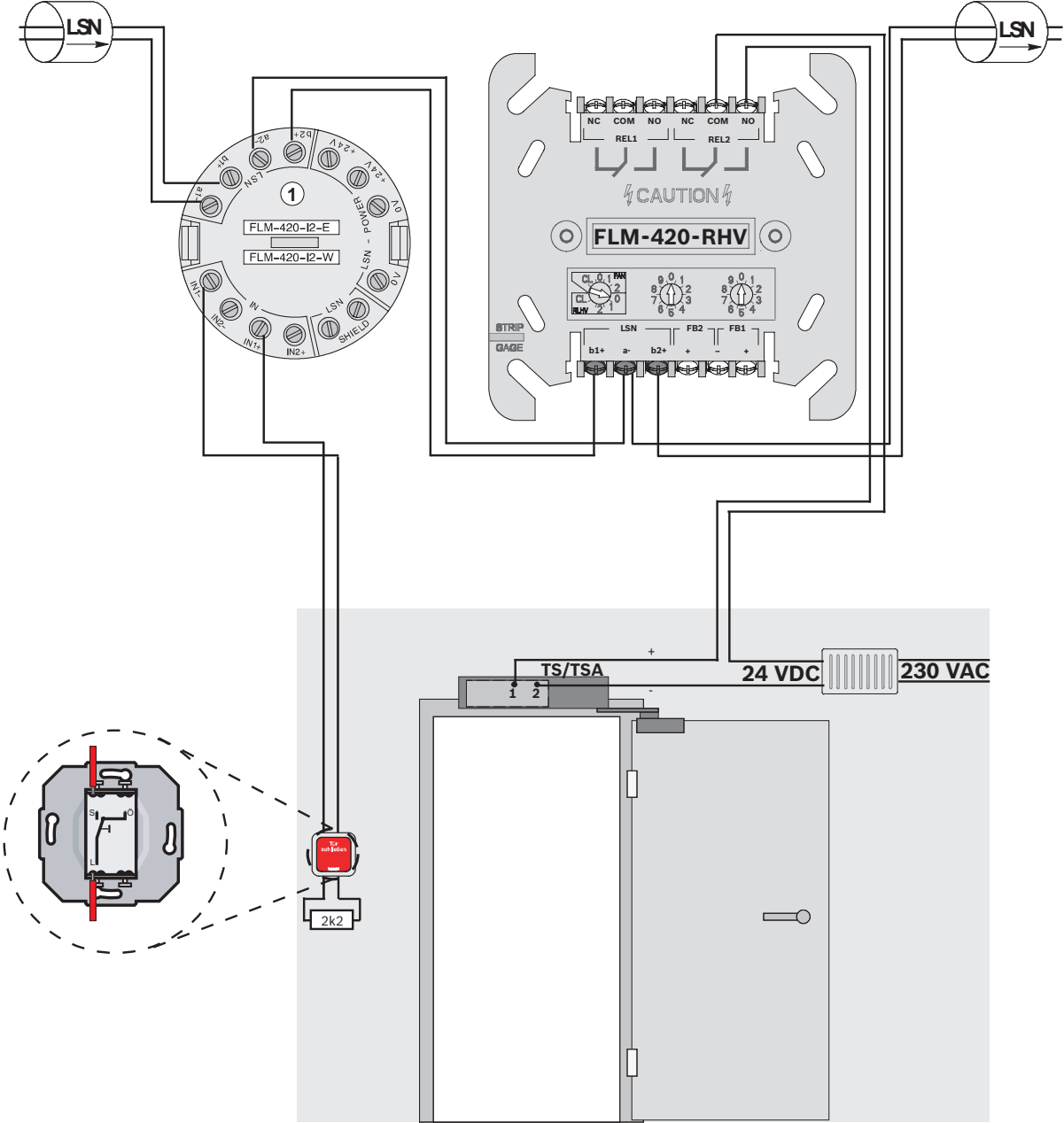
DIBT

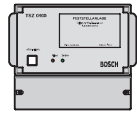
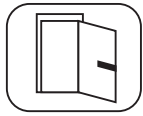




**TS 4000 E/E-IS/EFS**  
**TS 5000 E/E-IS/E-ISM**  
**TS 550 E**  
**TSA 160 NT F/F-IS/F-IS/TS**

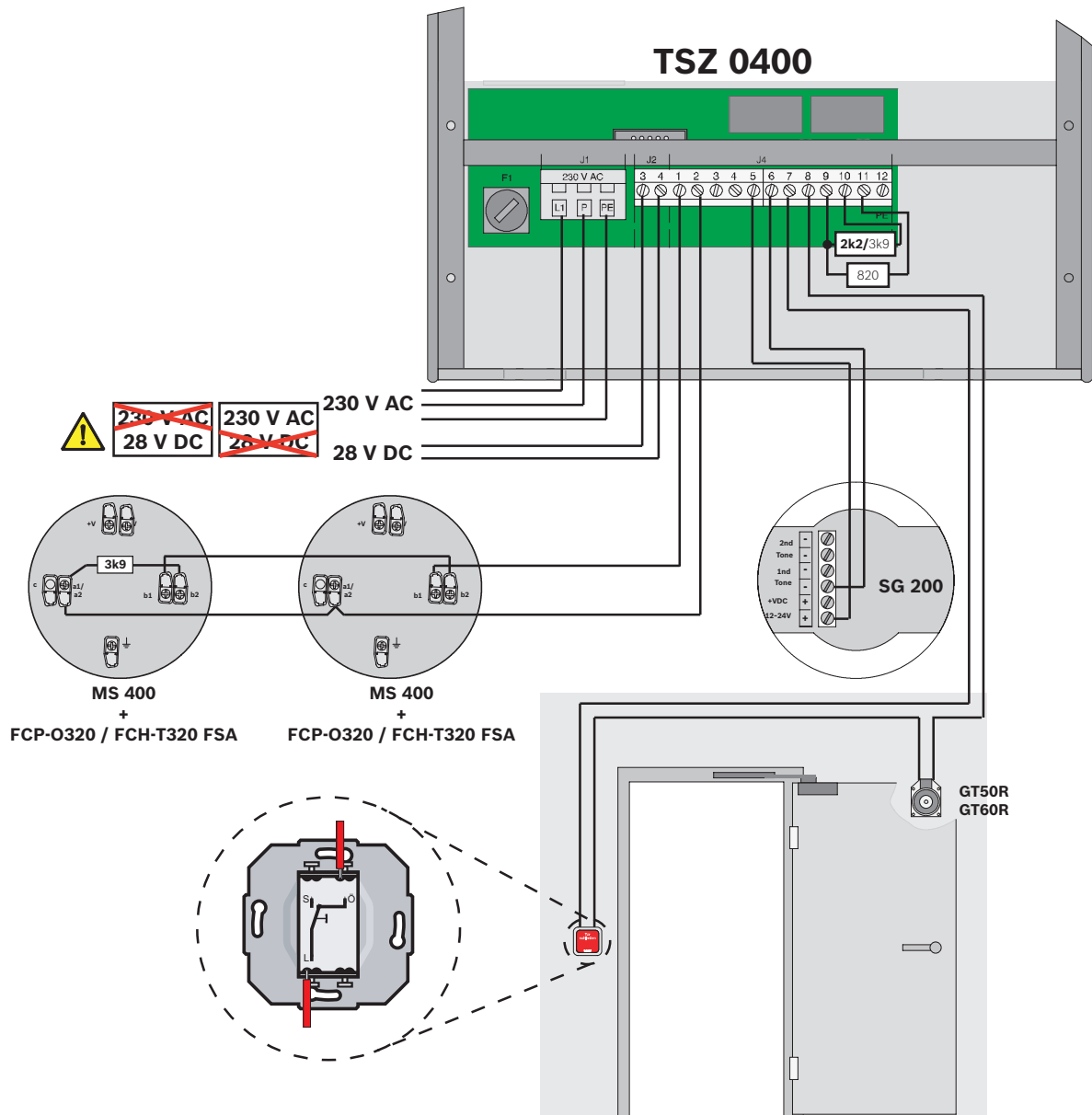
**DIBT**

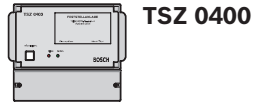
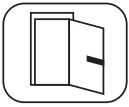




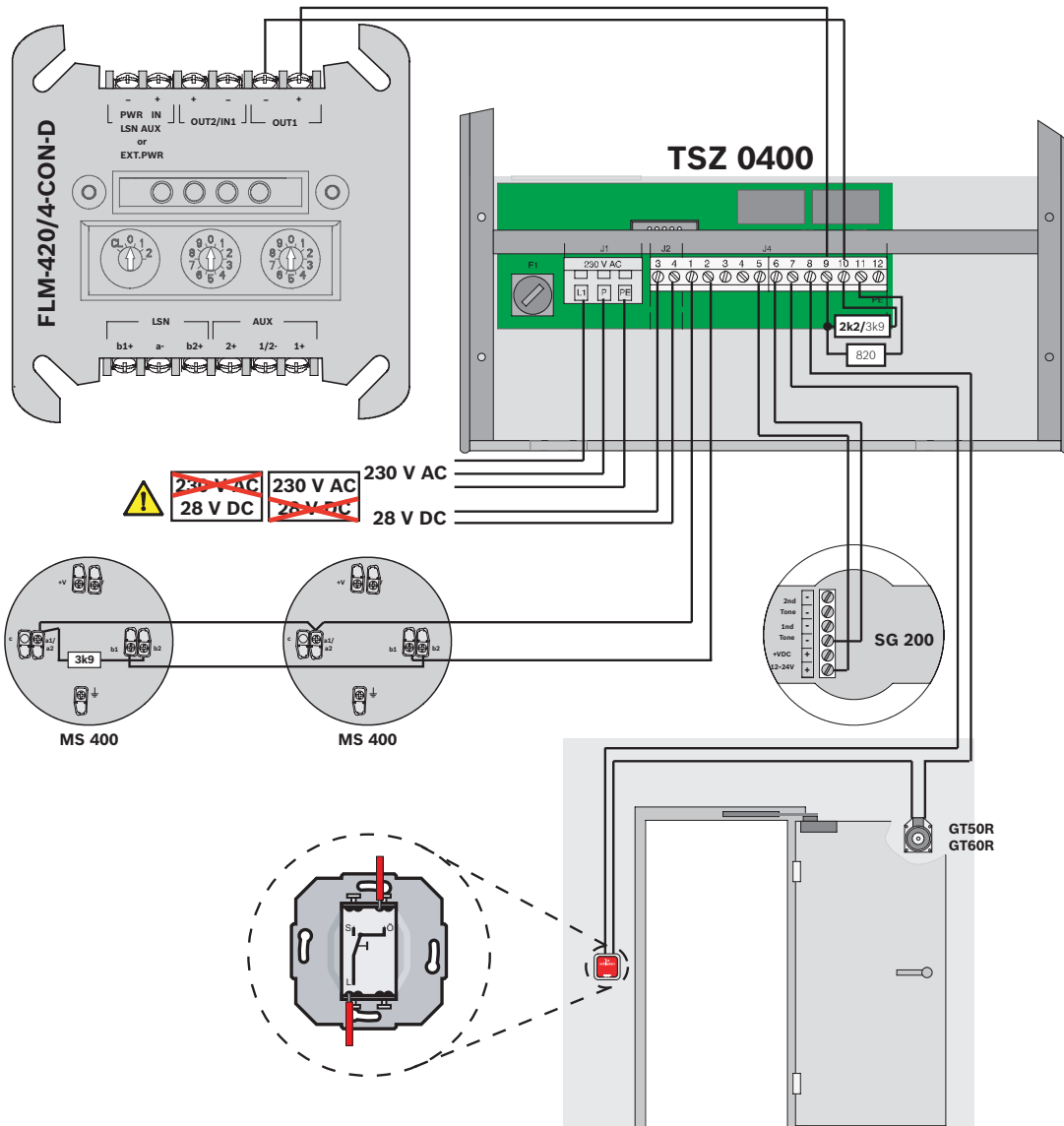
TSZ 0400

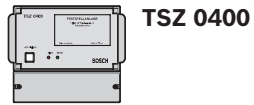
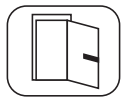
DIBT



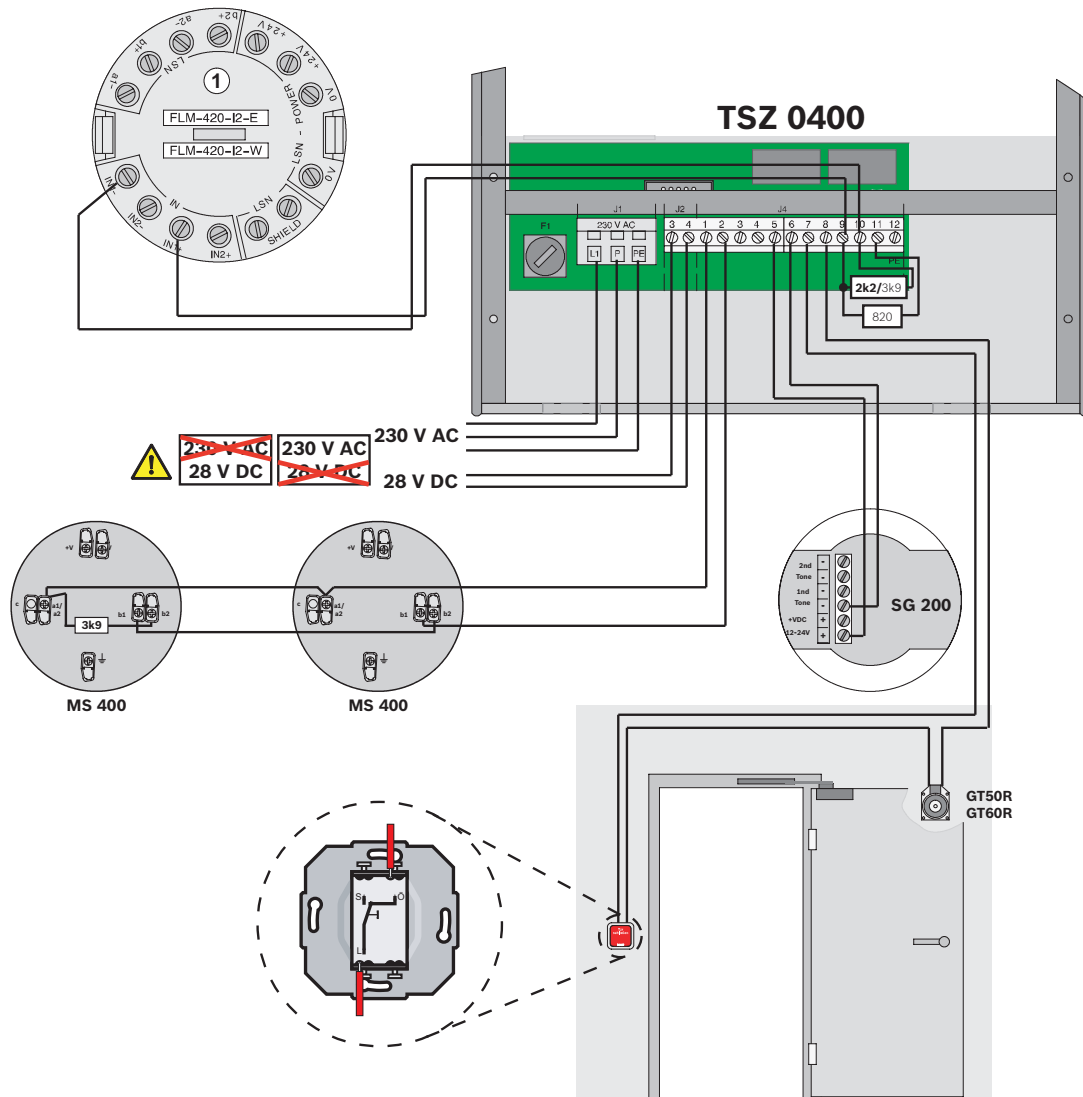


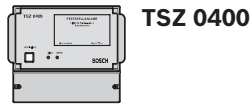
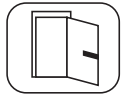
DIBT



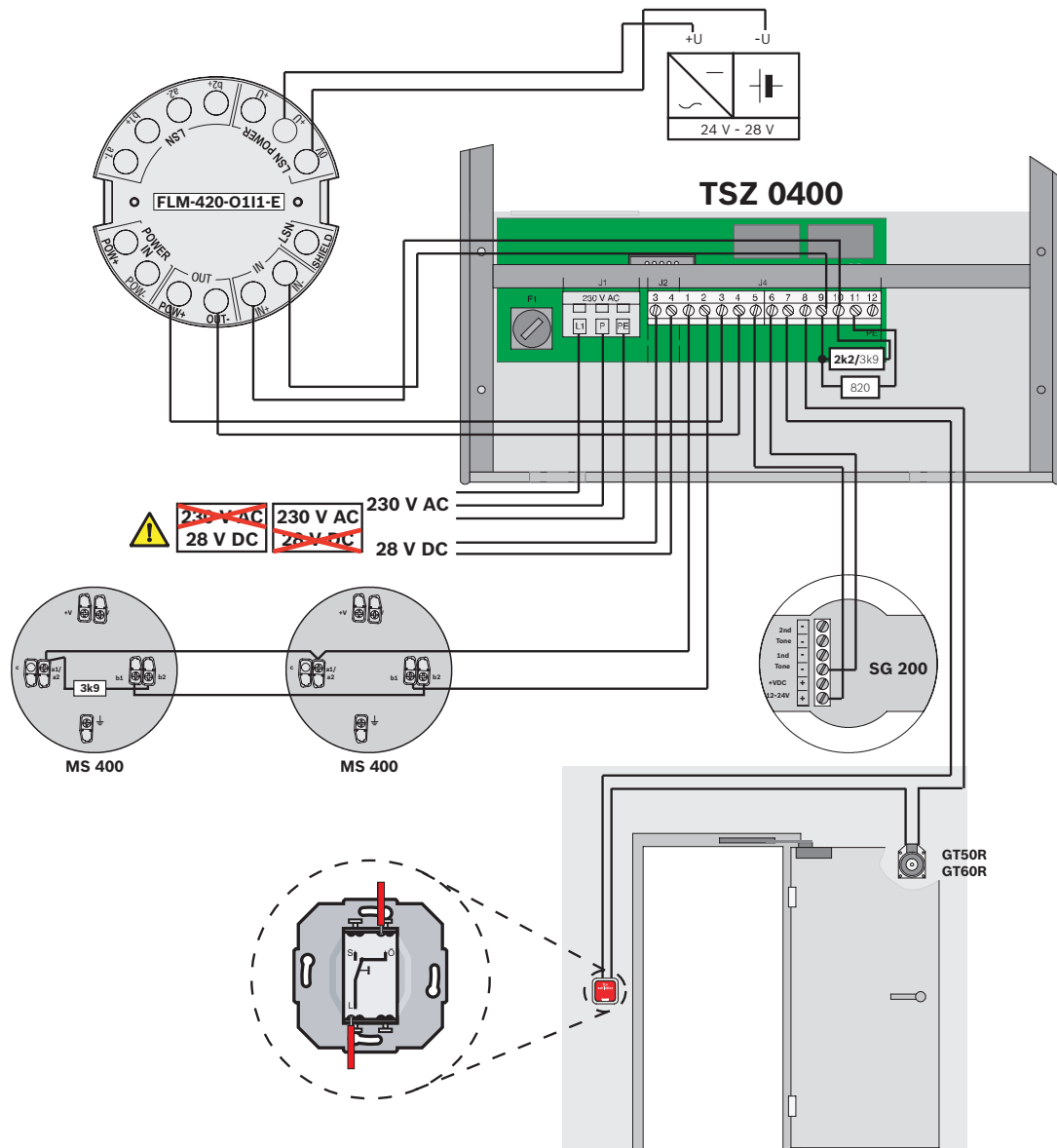


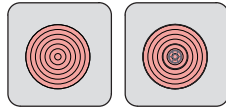
**DIBT**



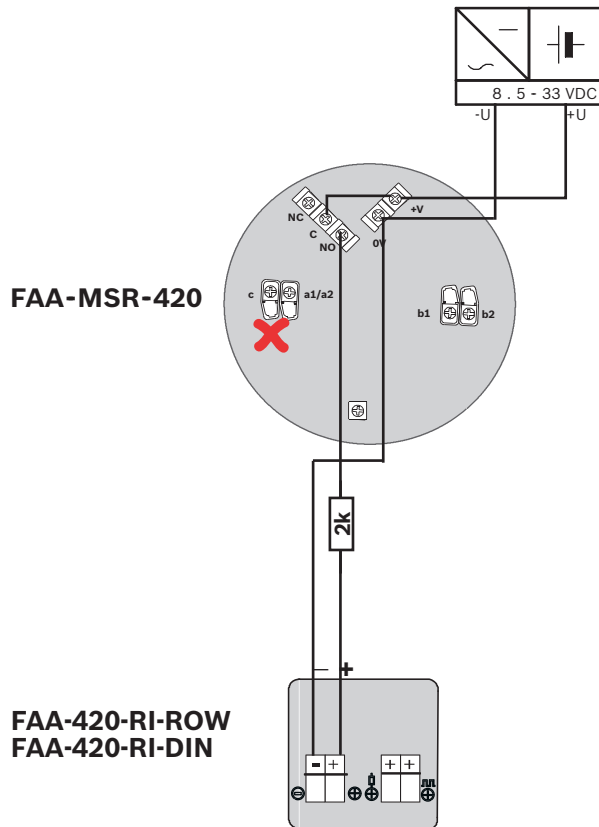
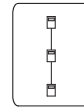


DIBT



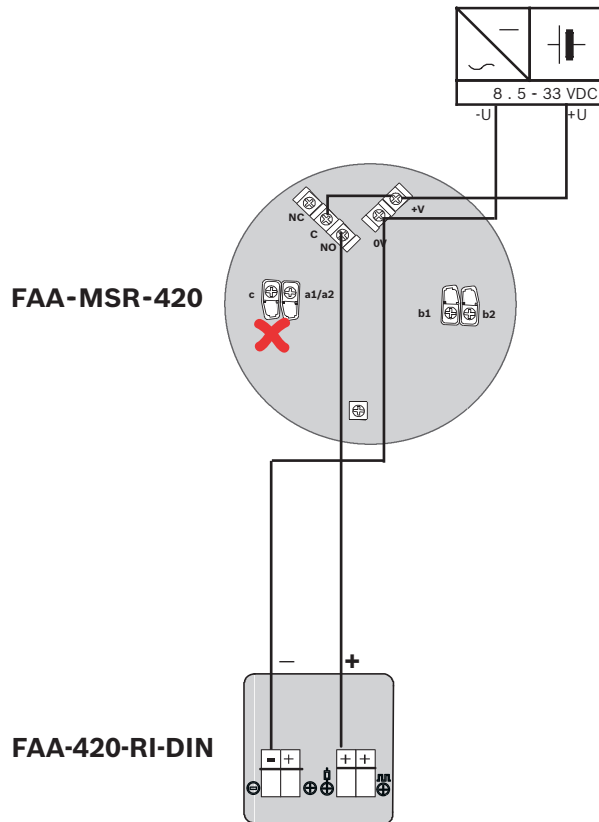
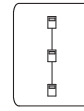


**FAA-420-RI-ROW**  
**FAA-420-RI-DIN**





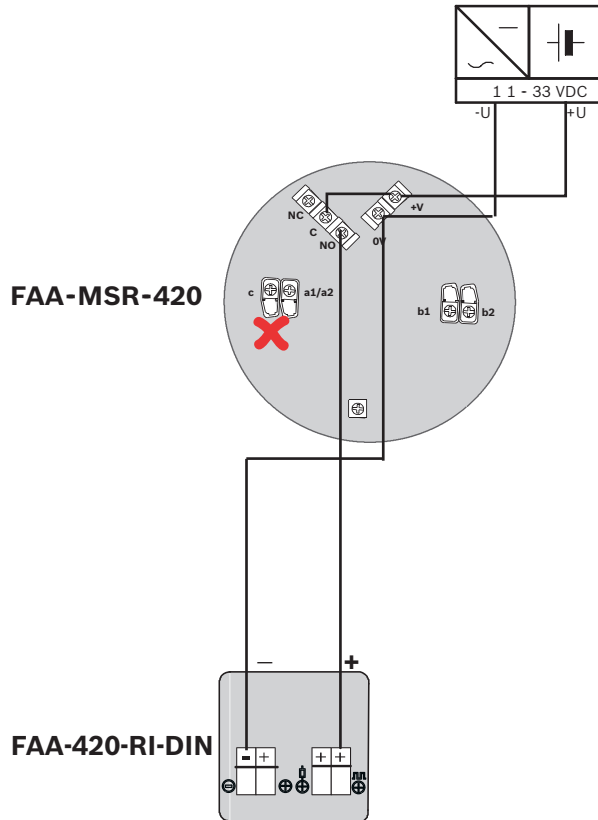
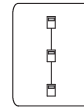
**FAA-420-RI-DIN**







FAA-420-RI-DIN



## 2.4

### Functional Modules



*BCM-000-B, Página 43*

*CZM 0004 A, Página 45*

*ENO 0000 A/B, Página 61*

*LSN 0300 A, Página 68*

*NZM 0002 A, Página 106*

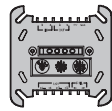
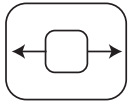
*RMH 0002 A, Página 119*

*IOS 0020 A, Página 120*

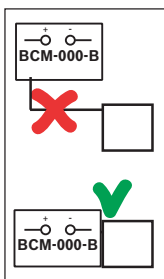
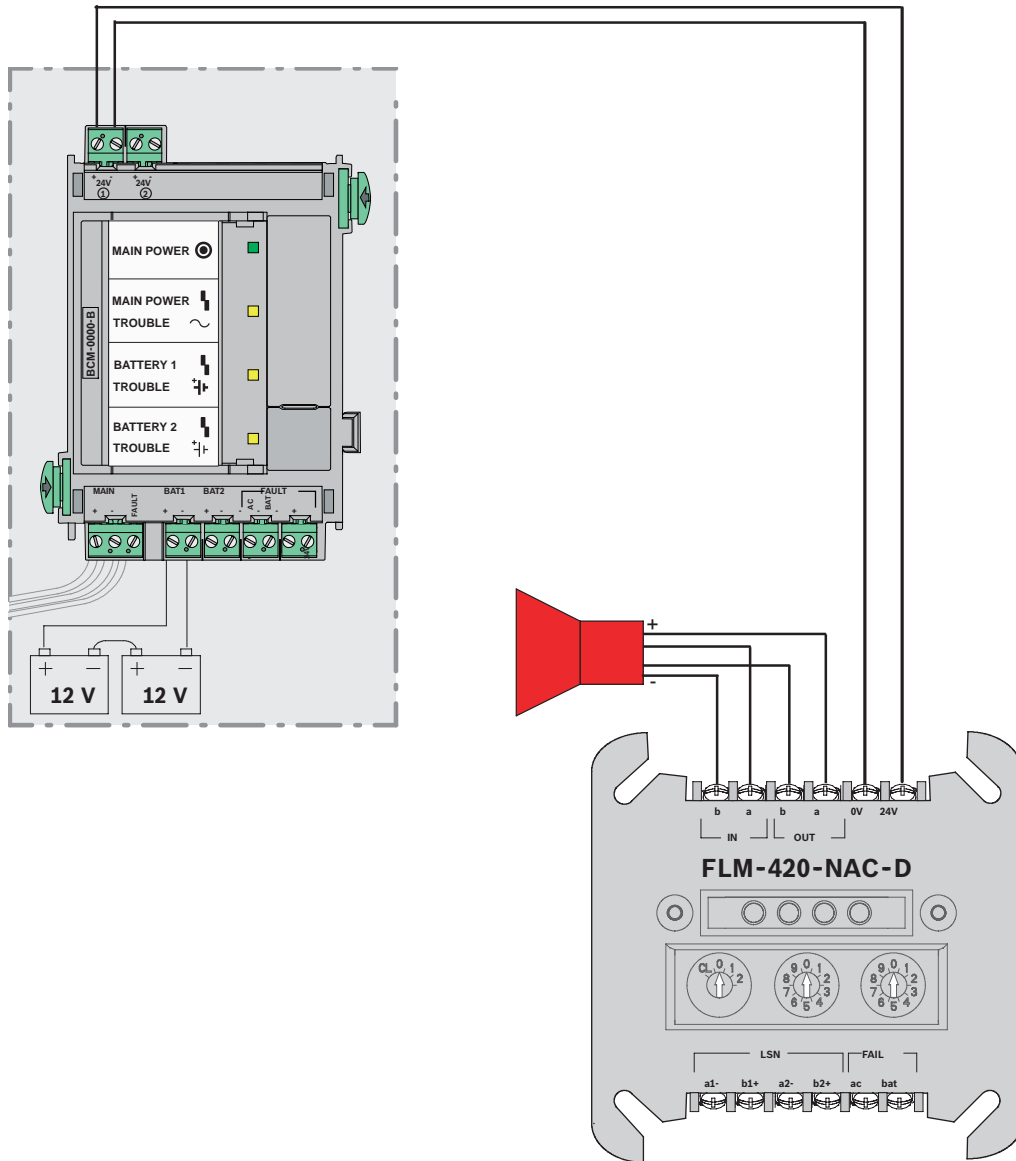
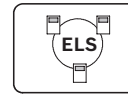
*FPE-5000-UGM, Página 122*

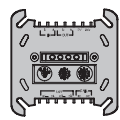
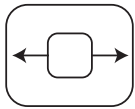
2.4.1

BCM-000-B

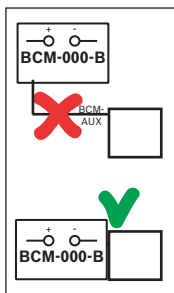
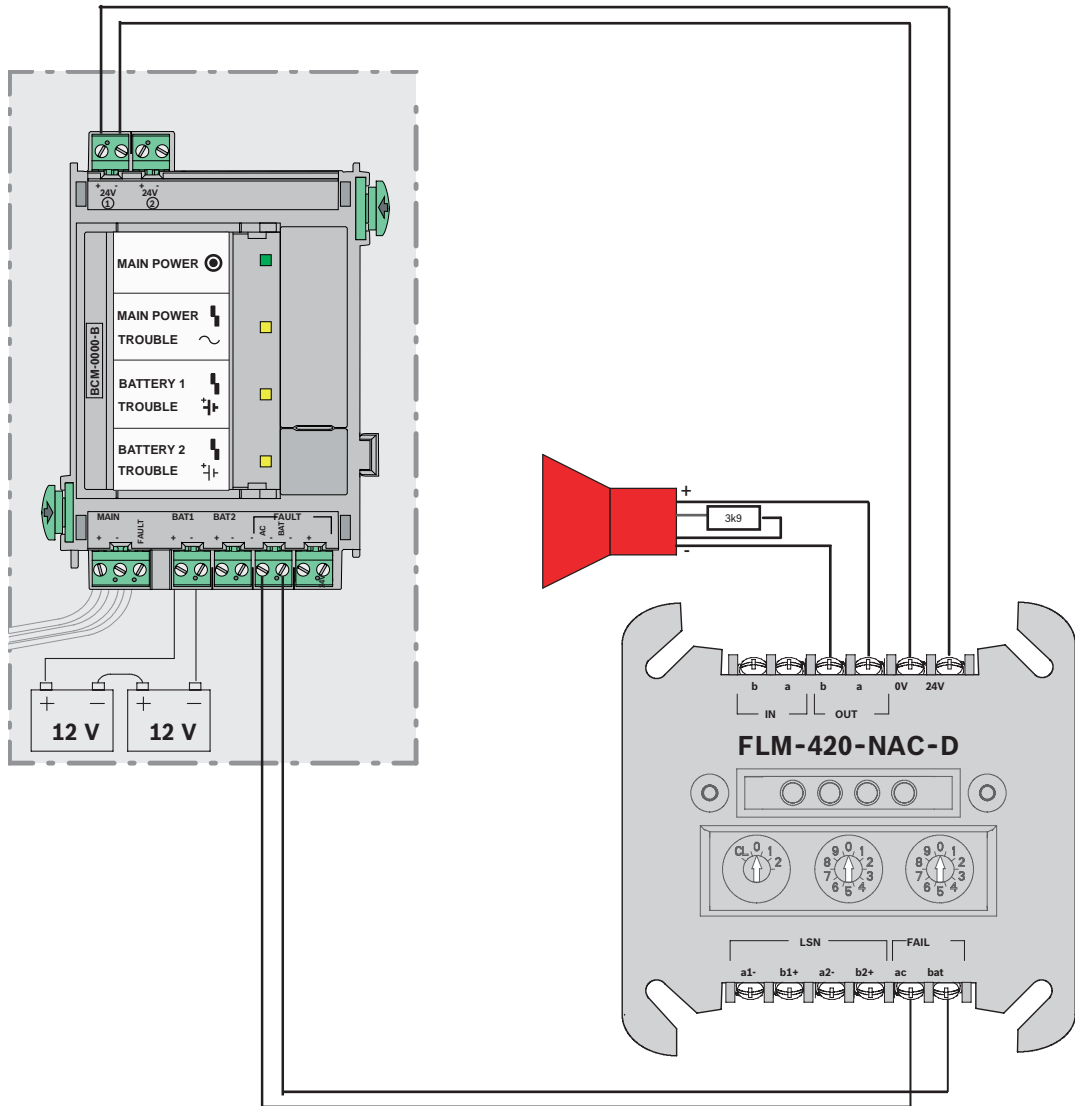
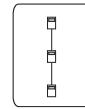


FLM-420-NAC-D





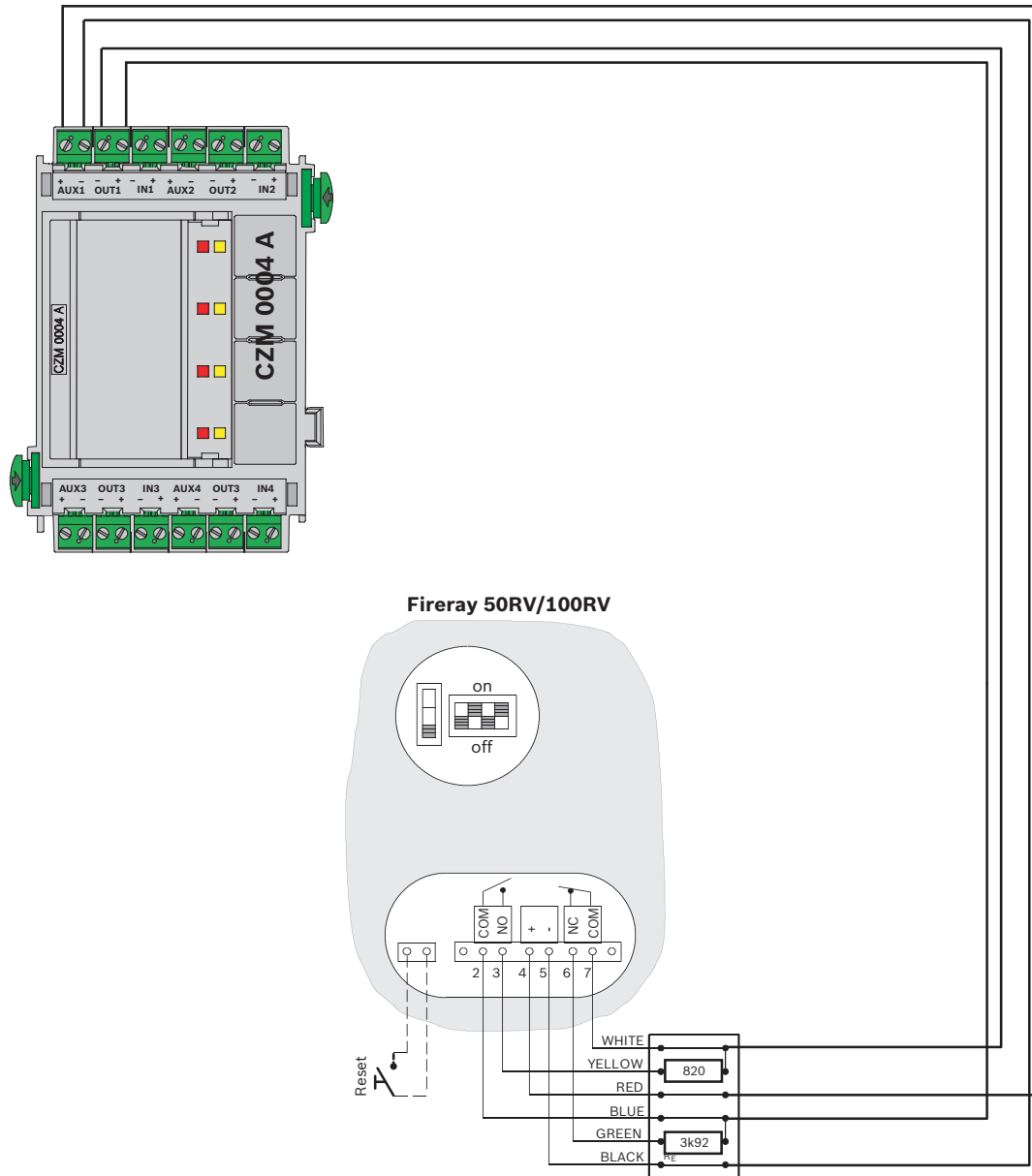
**FLM-420-NAC-D**



### 2.4.2 CZM 0004 A



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



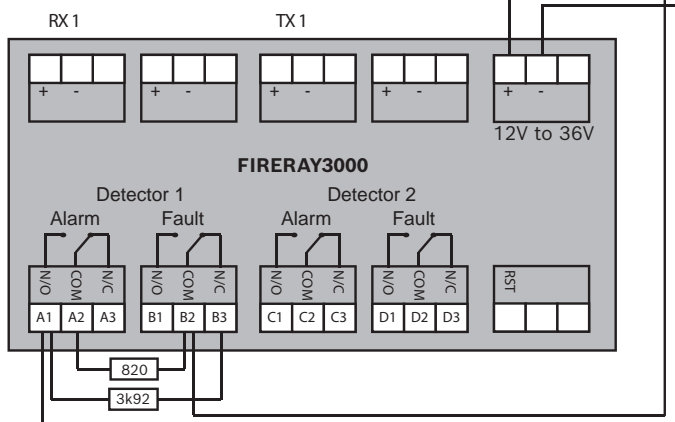
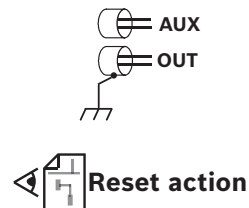
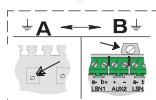
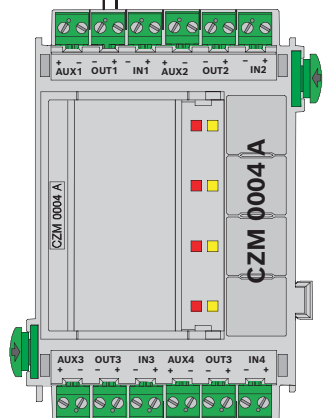


**FIRERAY3000**

1 x



BCM-0000-B  
LSN 0300 A  
LSN 1500 A

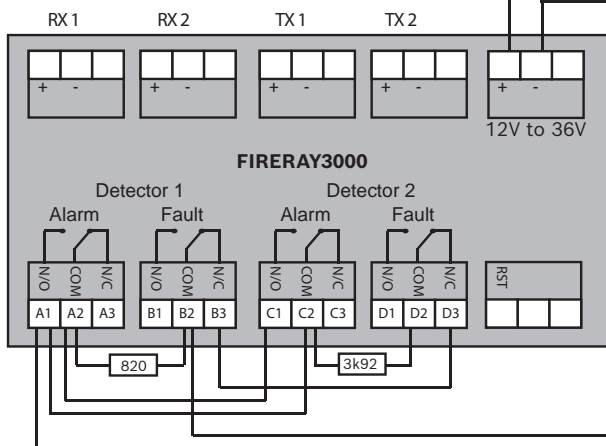
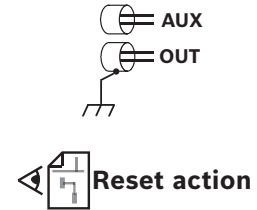
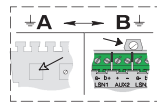
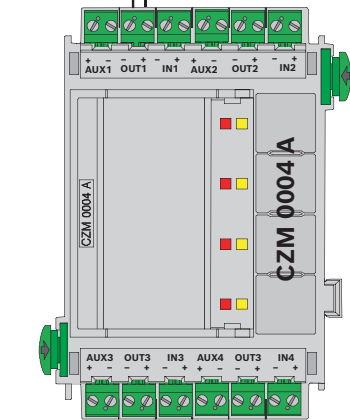


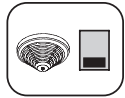


**FIRERAY3000**  
2 x  **OUT1**



BCM-0000-B  
LSN 0300 A  
LSN 1500 A

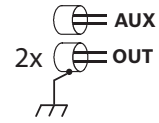
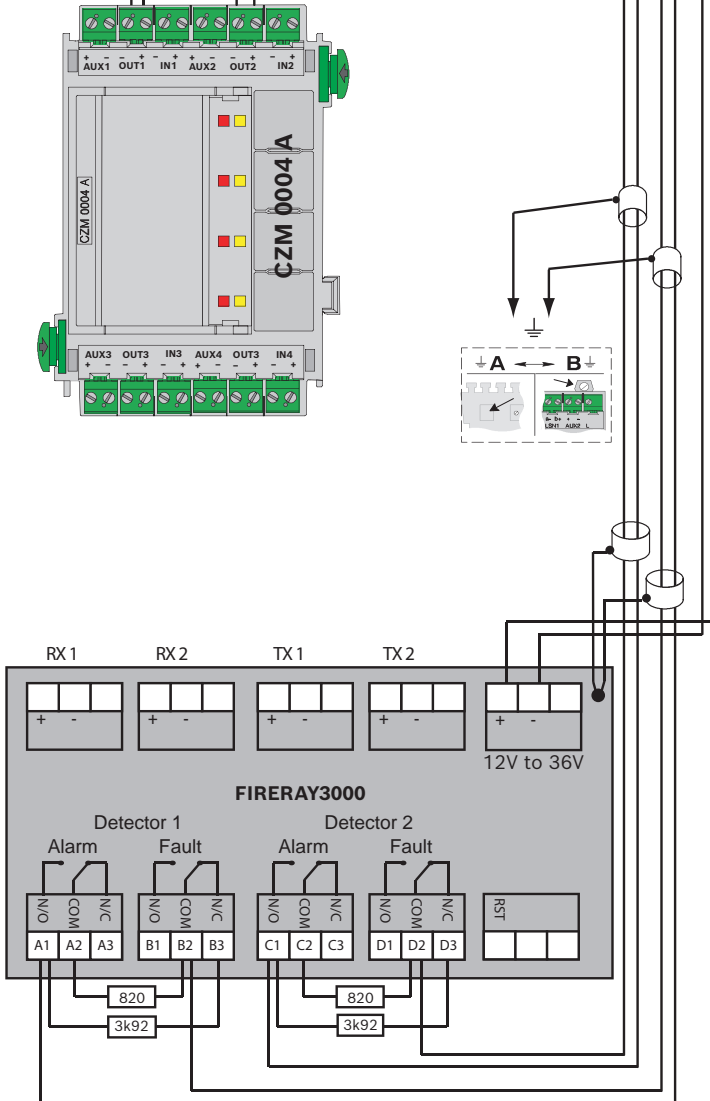




**FIRERAY3000**  
2 x **OUT1+2**



BCM-0000-B  
LSN 0300 A  
LSN 1500 A



**Reset action**



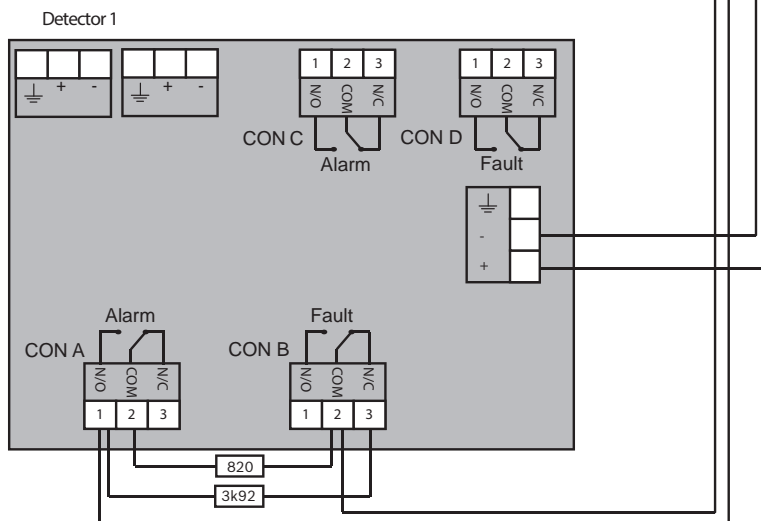
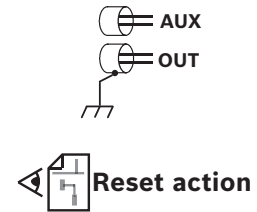
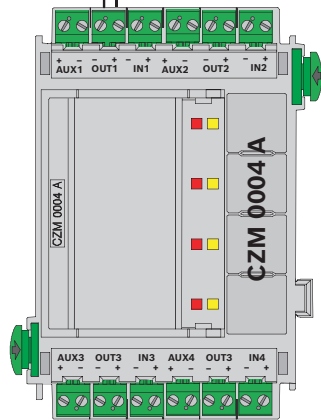


**FIRERAY5000**

1 x



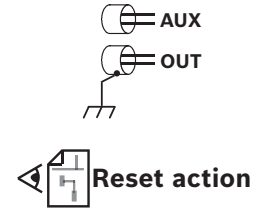
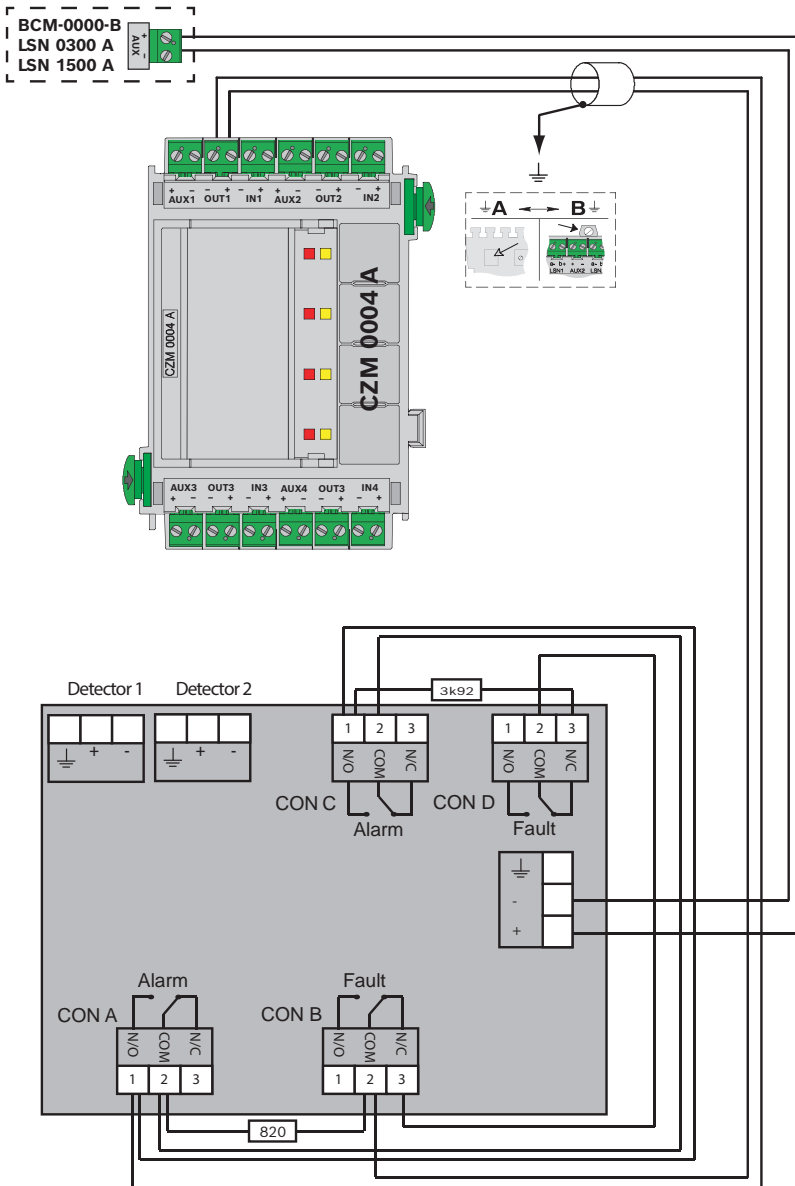
BCM-0000-B  
LSN 0300 A  
LSN 1500 A

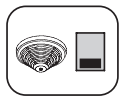




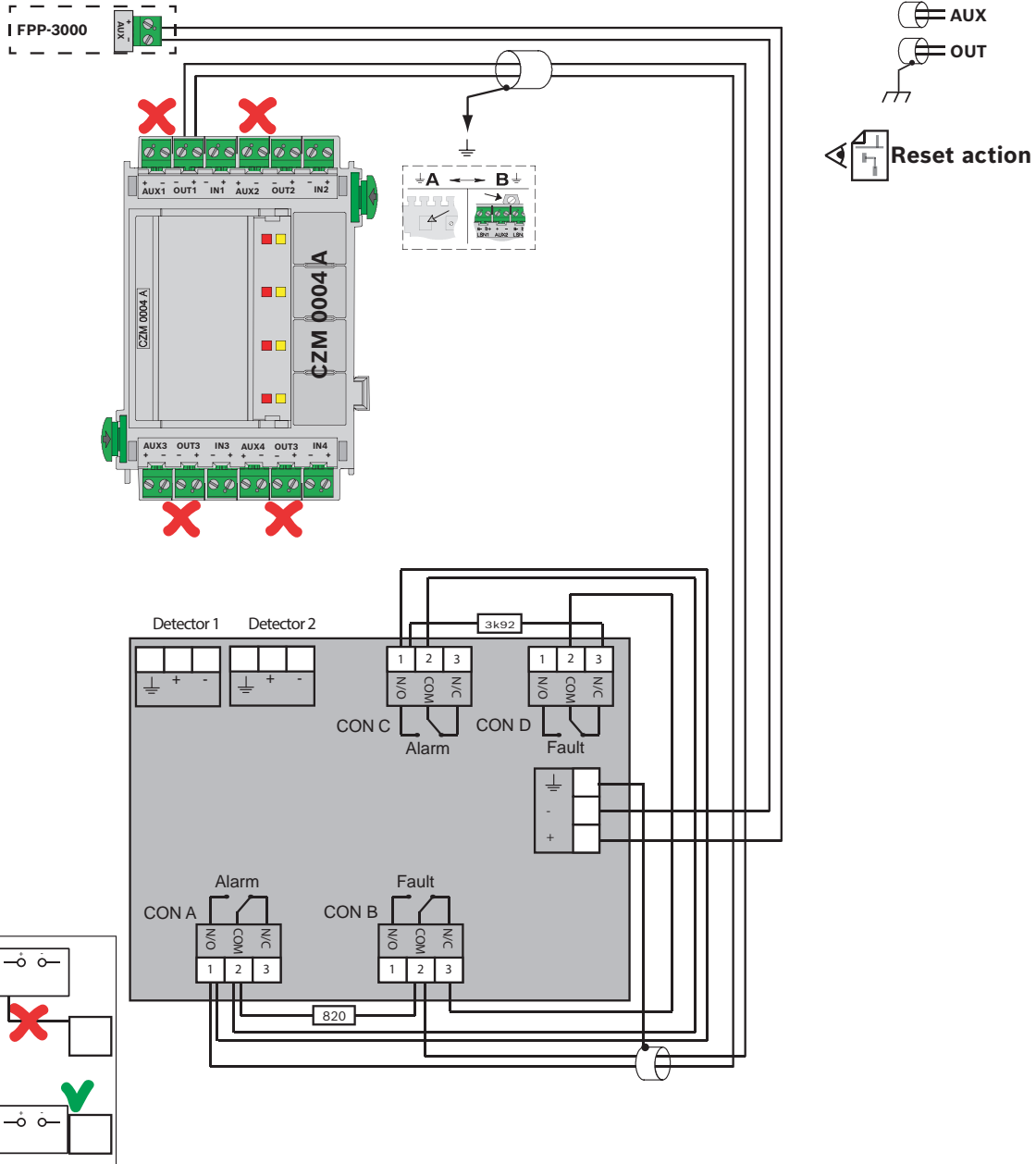
**FIRERAY5000**

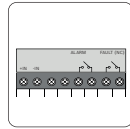
**2 x OUT1**



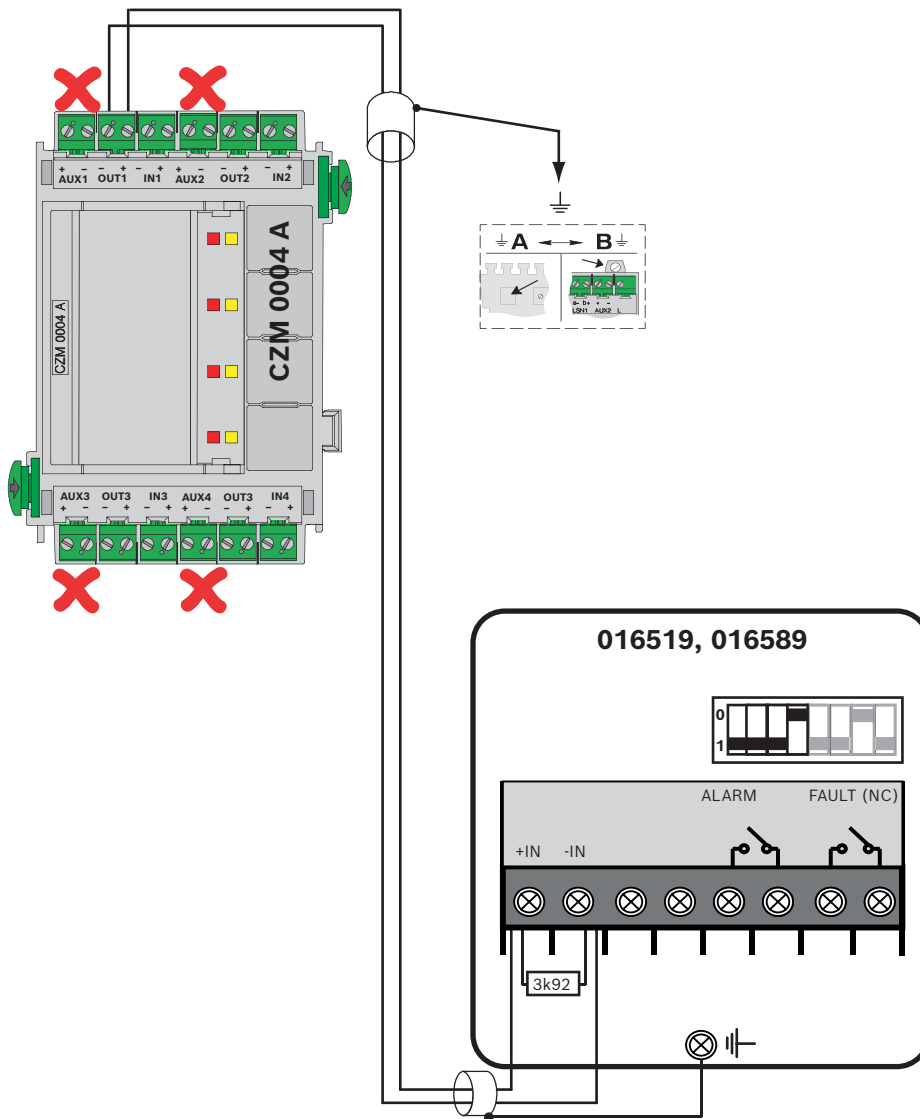
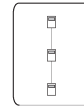


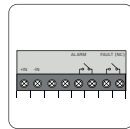
**FIRERAY5000**  
2 x  **OUT1**



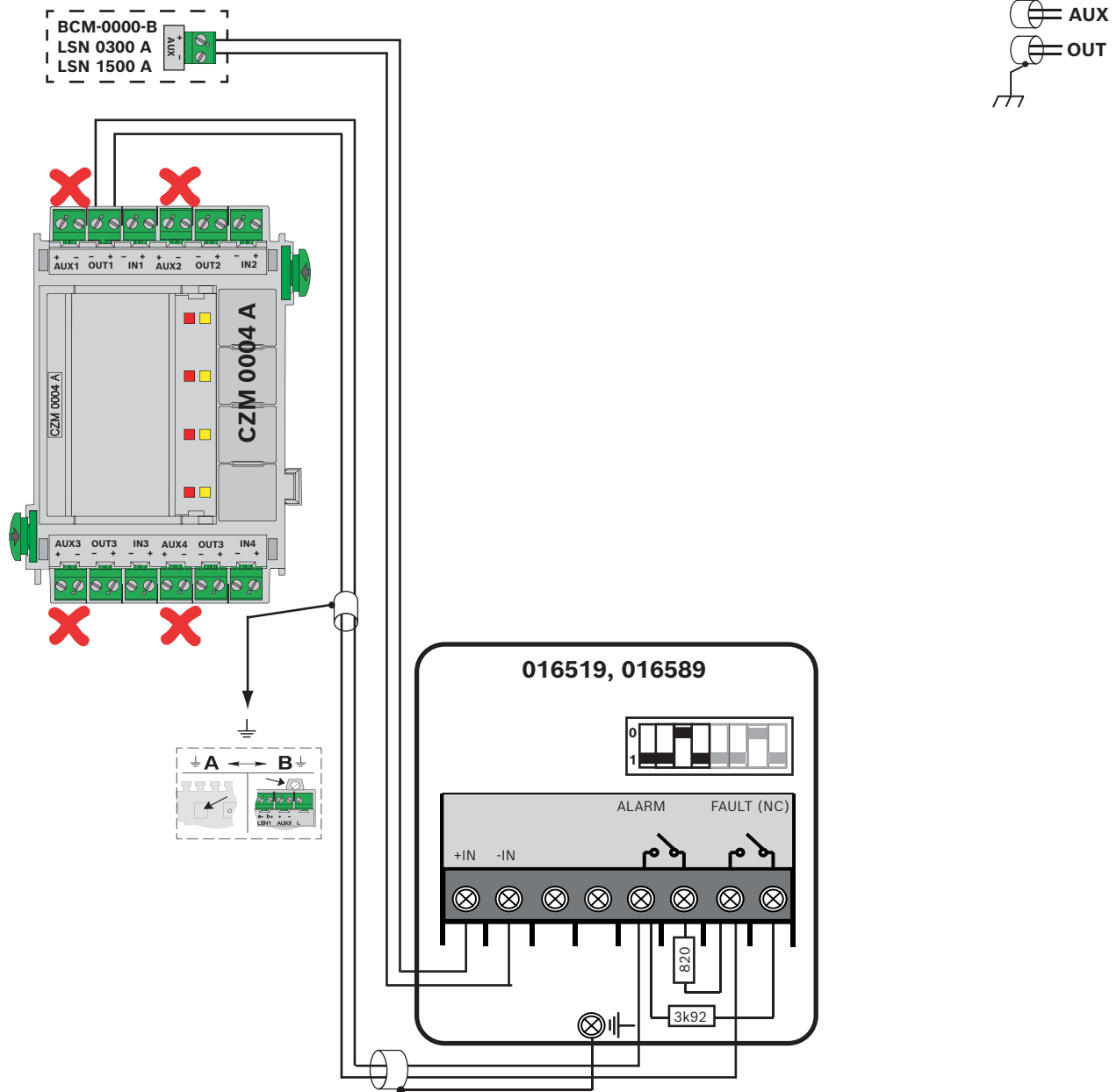
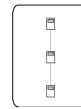


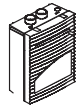
**016519, 016589  
IR3 Flame Detector**



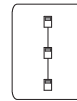


**016519, 016589  
IR3 Flame Detector**

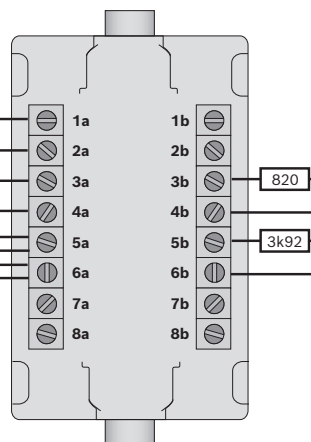
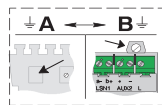
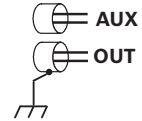
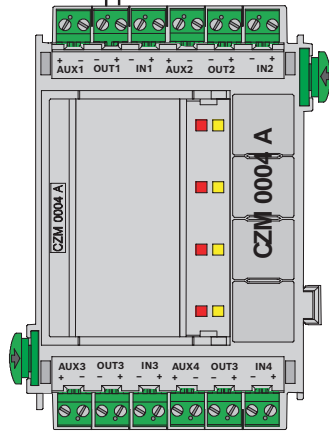


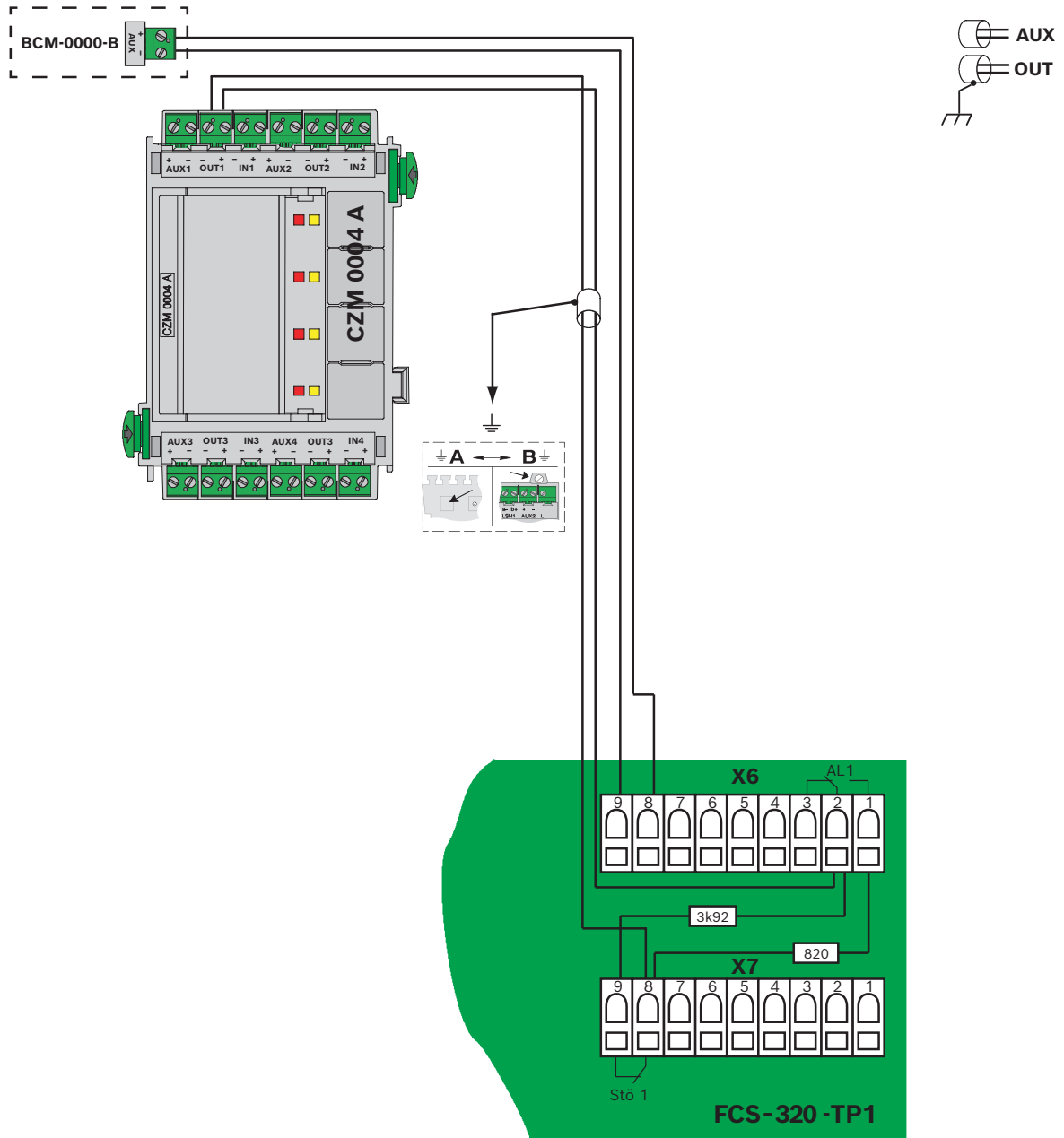
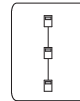
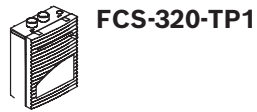


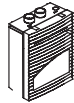
FCS-320-TM Series



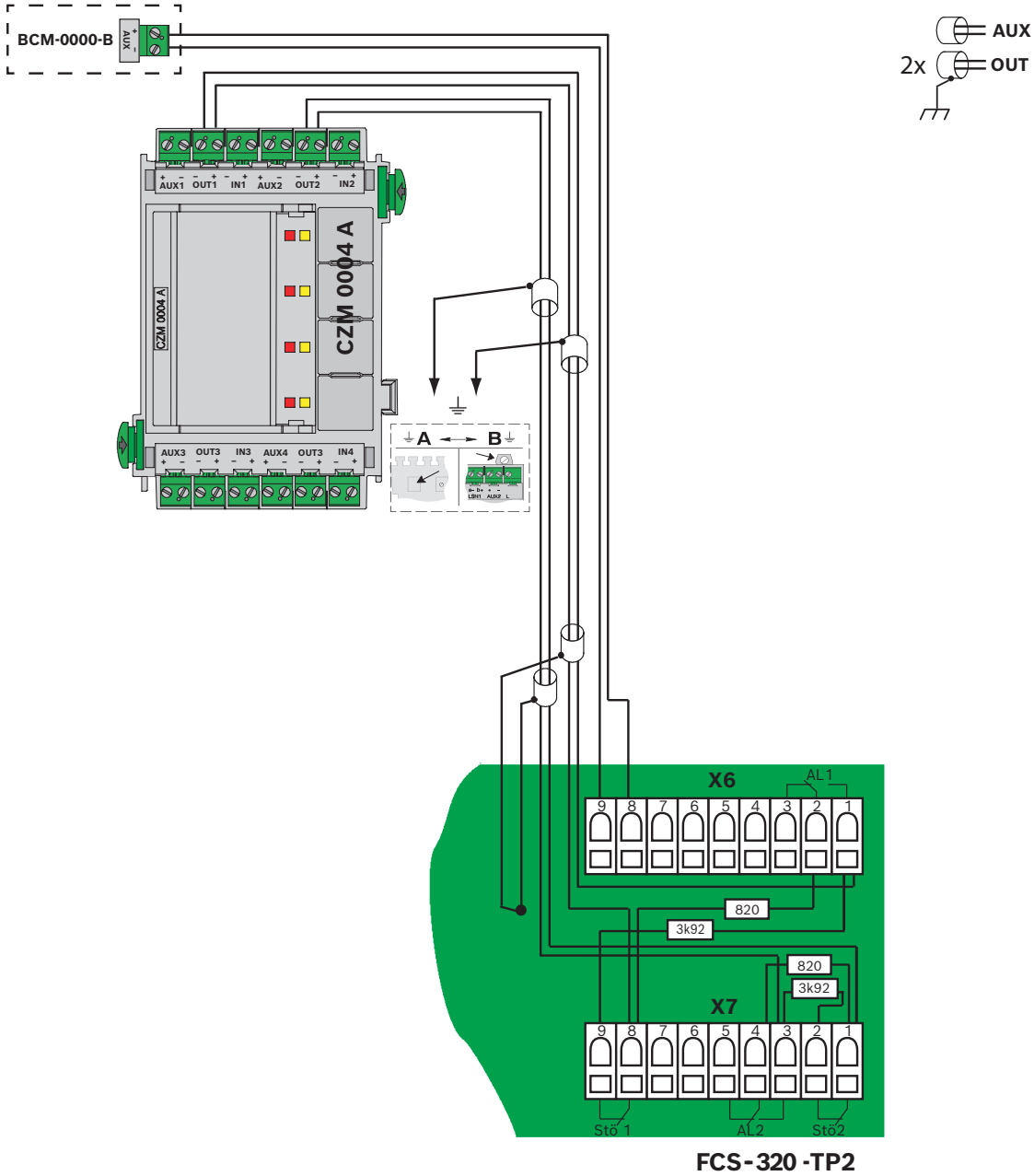
BCM-0000-B  
LSN 0300 A  
LSN 1500 A







FCS-320-TP2

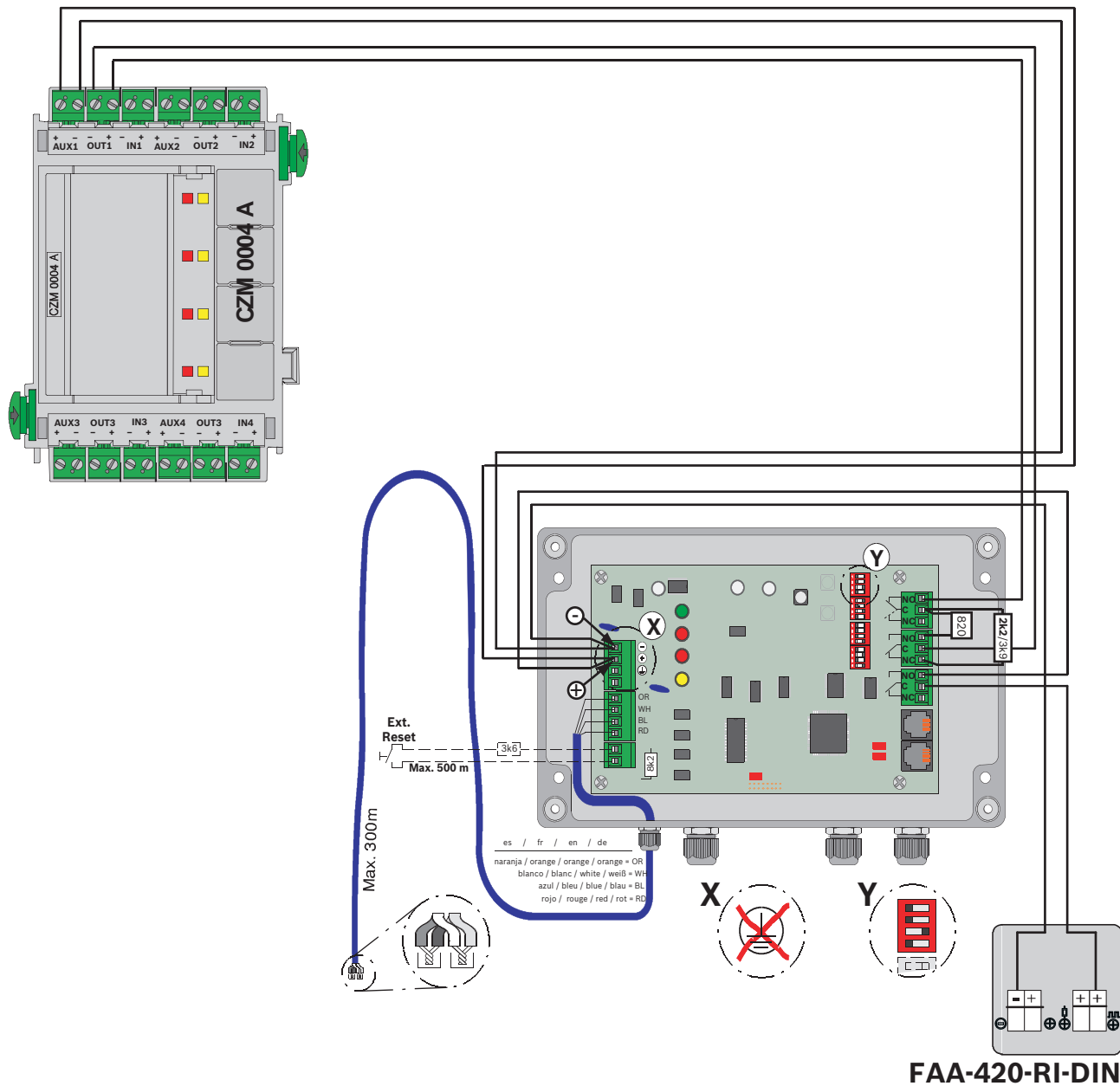


FCS-320-TP2



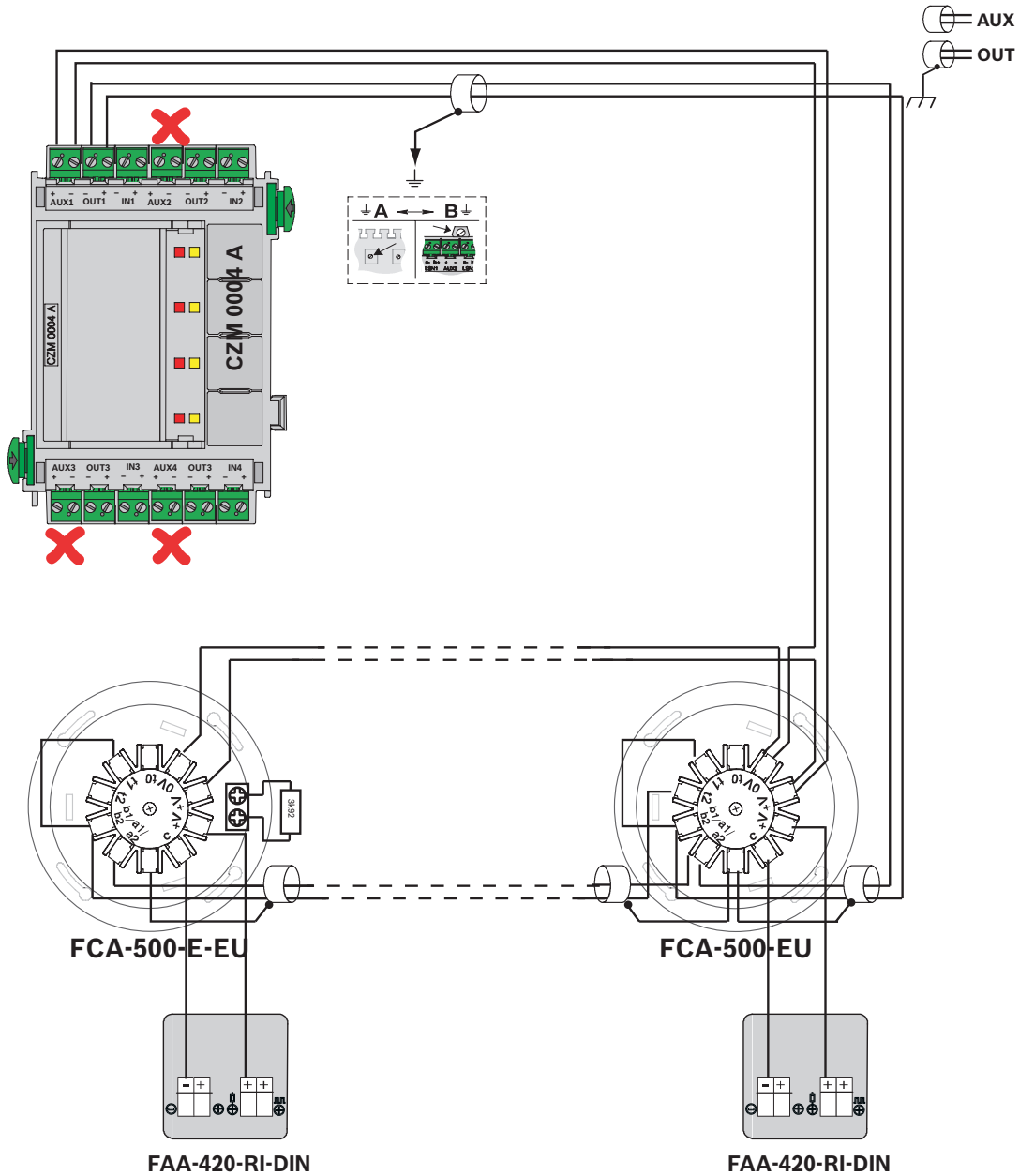


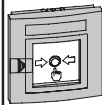
FCS-LWM-1



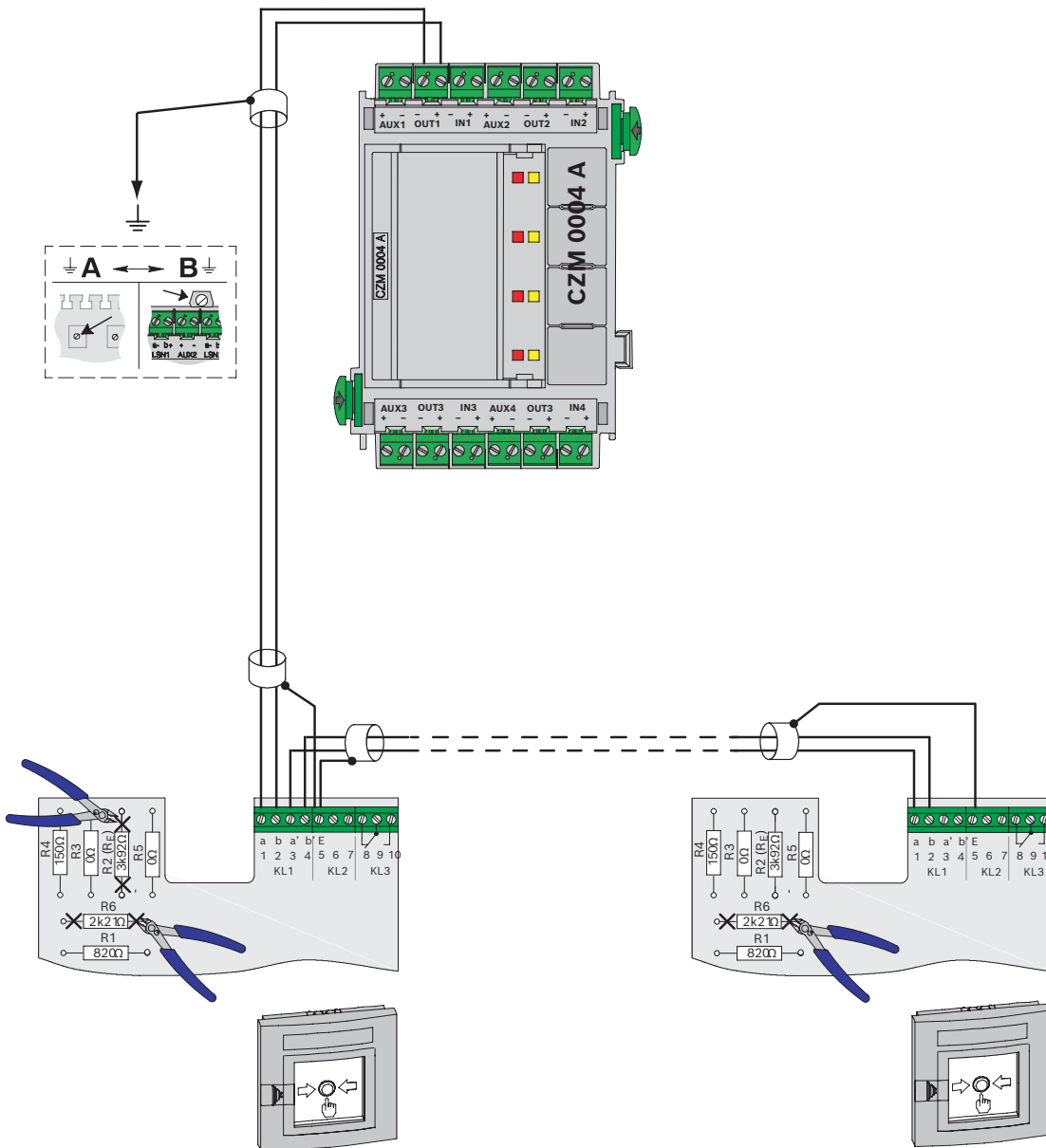
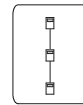


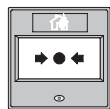
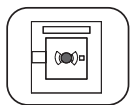
FCA-500-EU  
 FCP-O 500  
 FCP-O 500-P  
 FCP-OC 500  
 FCP-OC 500-P



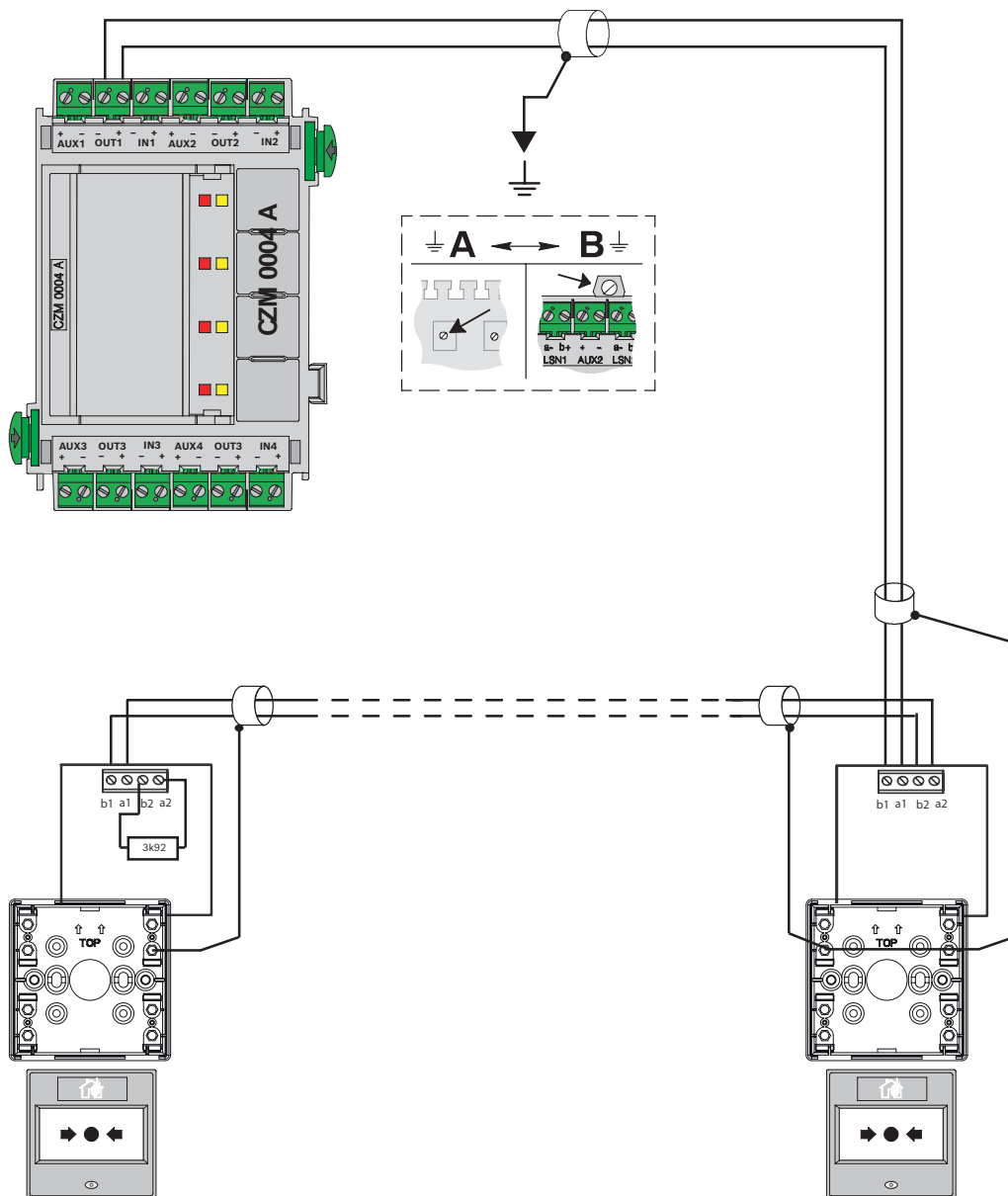
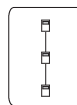


**FMC-120-DKM-G-R**  
**FMC-120-DKM-H-R**  
**FMC-120-DKM-G-B**  
**FMC-120-DKM-H-B**  
**FMC-120-DKM-G-Y**





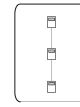
**FMC-300RW-GSGBU**  
**FMC-300RW-GSRBU**  
**FMC-300RW-GSGRD**  
**FMC-300RW-GSRRD**  
**FMC-300RW-GSGYE**  
**FMC-300RW-GSRYE**



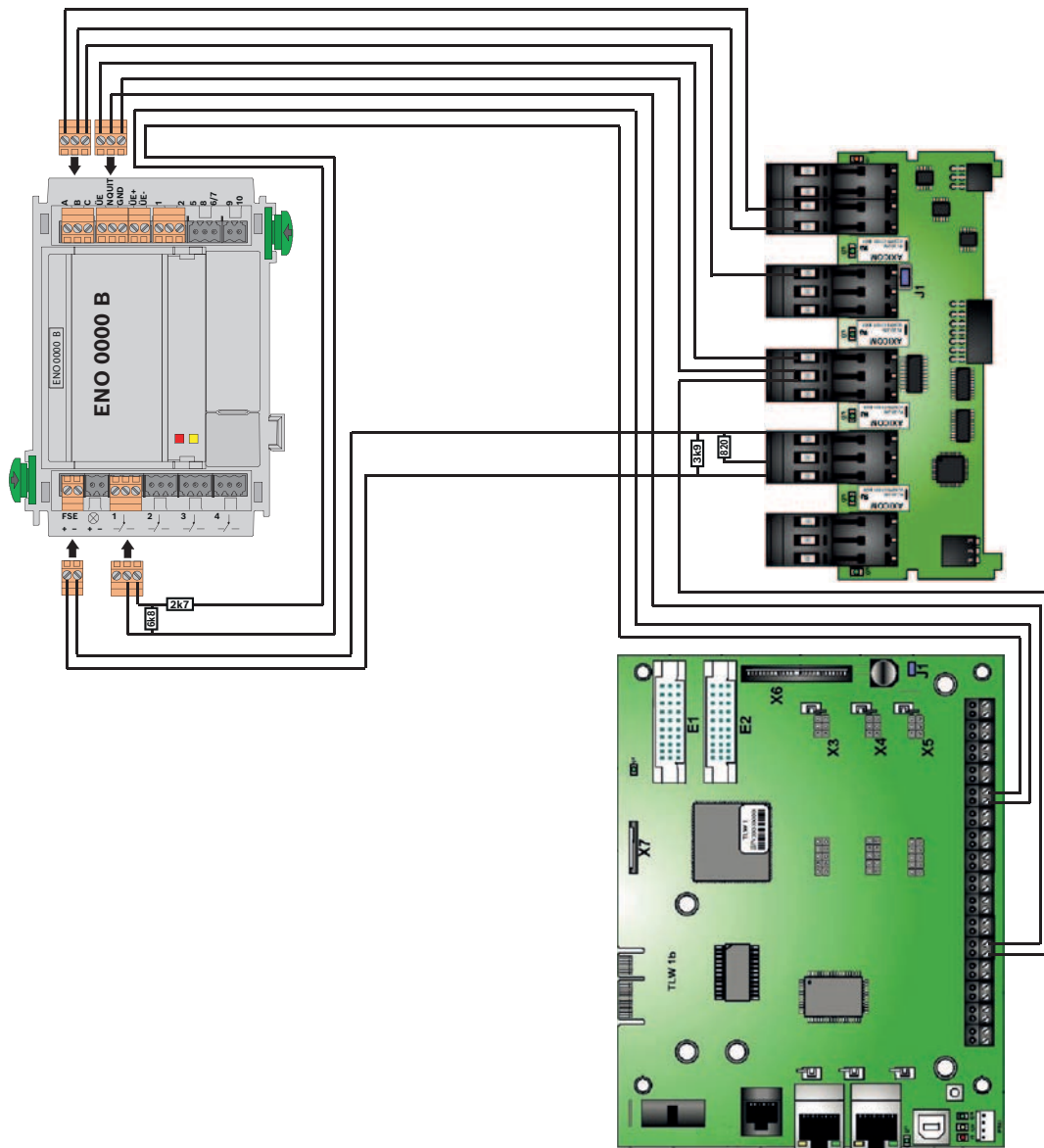
### 2.4.3 ENO 0000 A/B

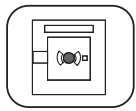


AT5000 IP/GPRS

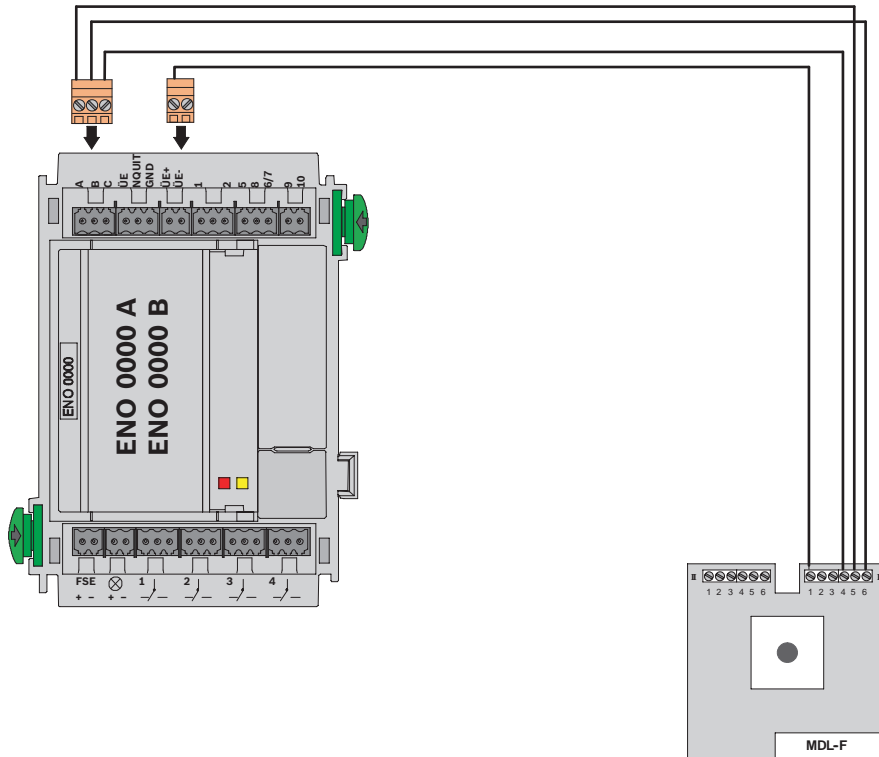


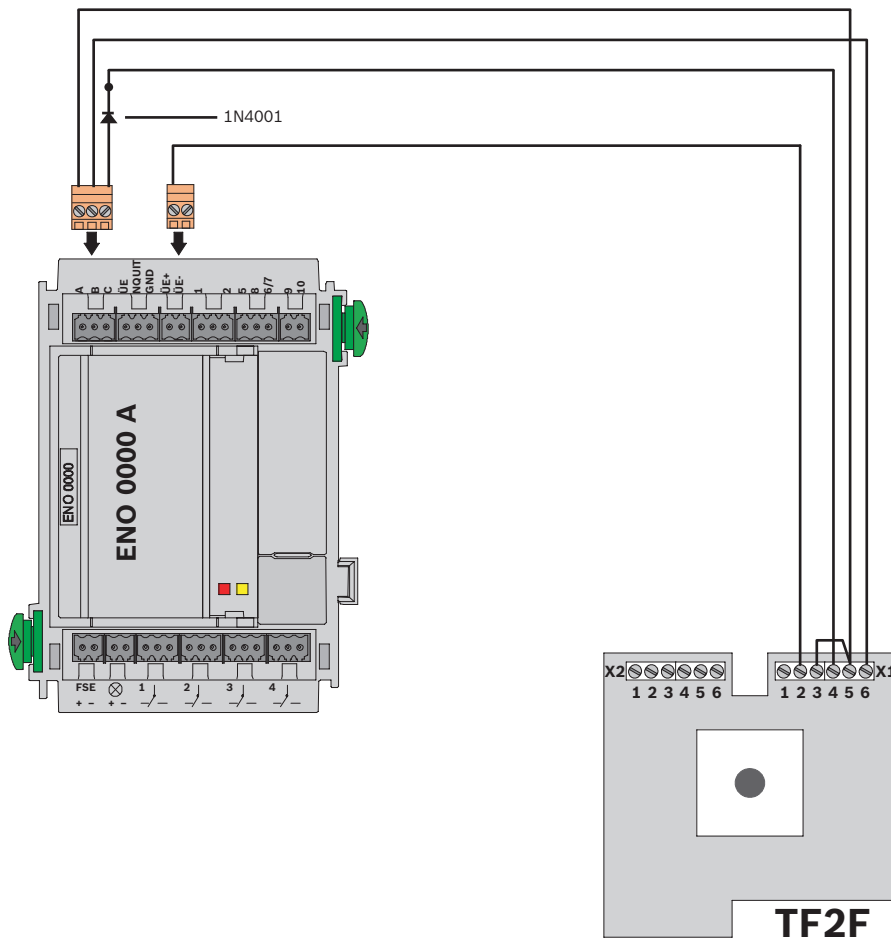
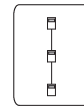
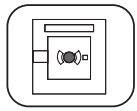
EN 54-2

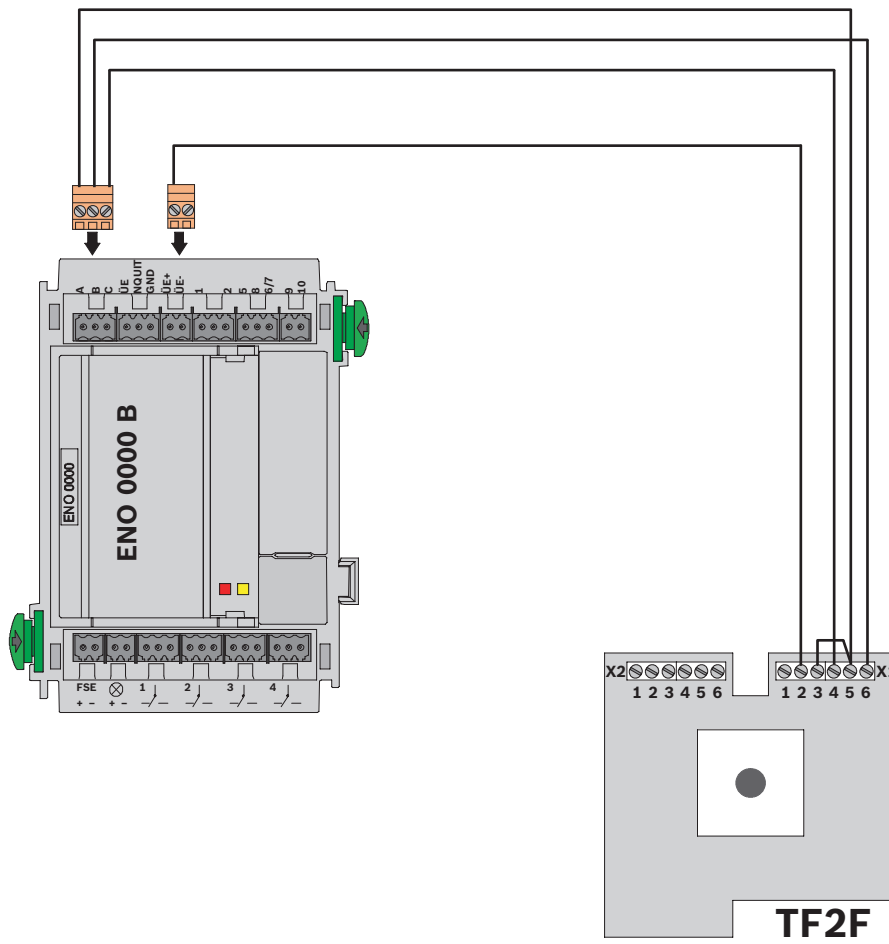
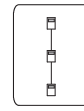
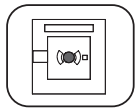




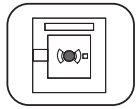
**MDL-F**



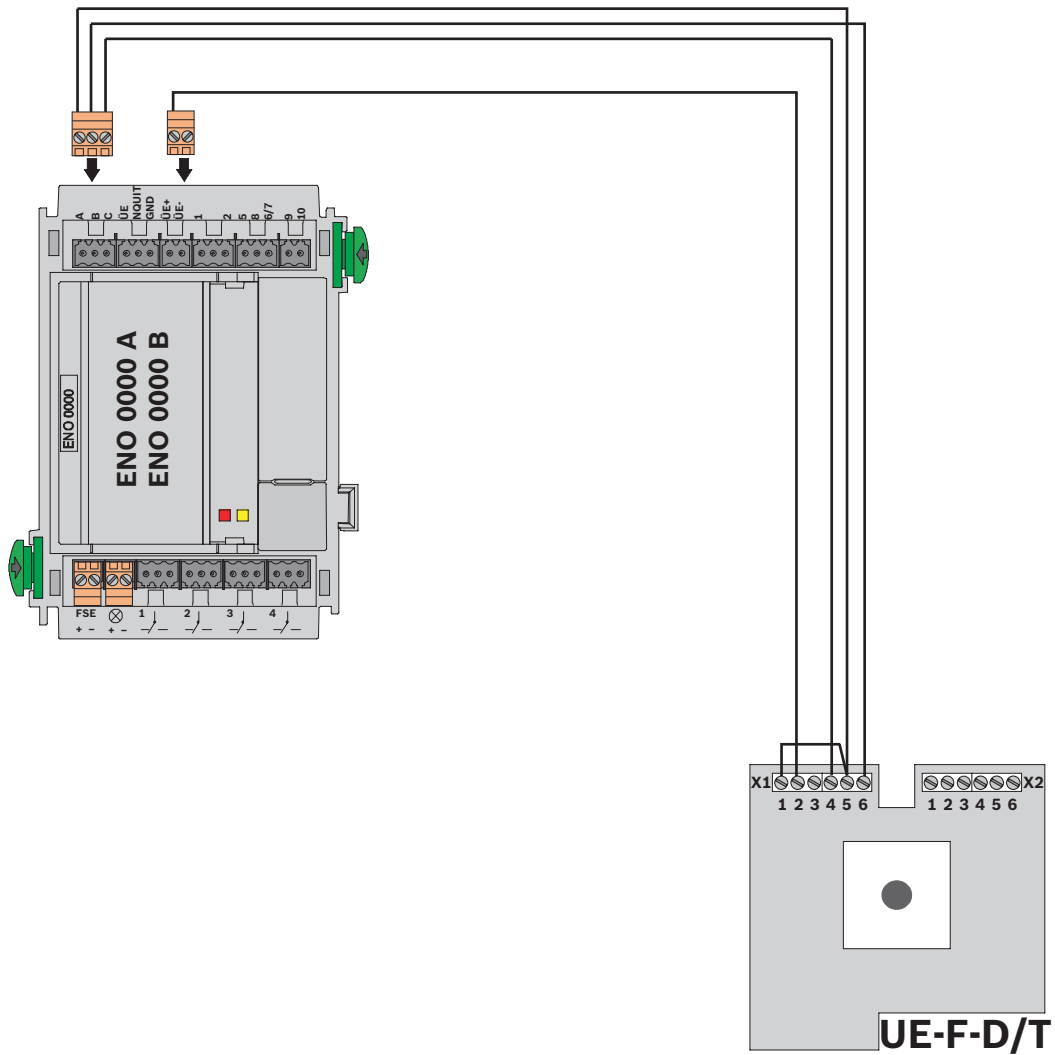


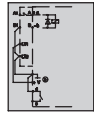




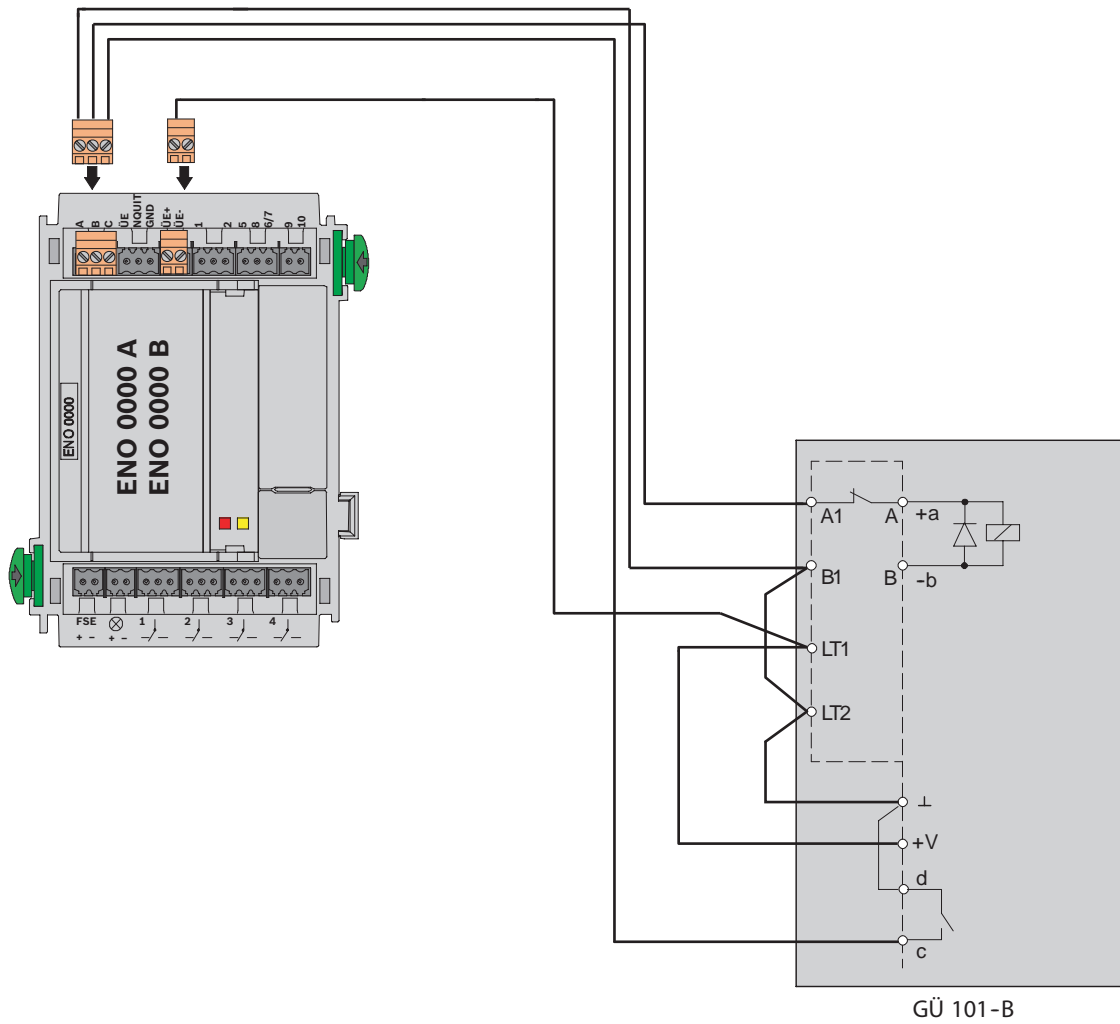
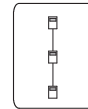


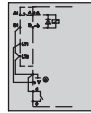
**UE-F-D/T**



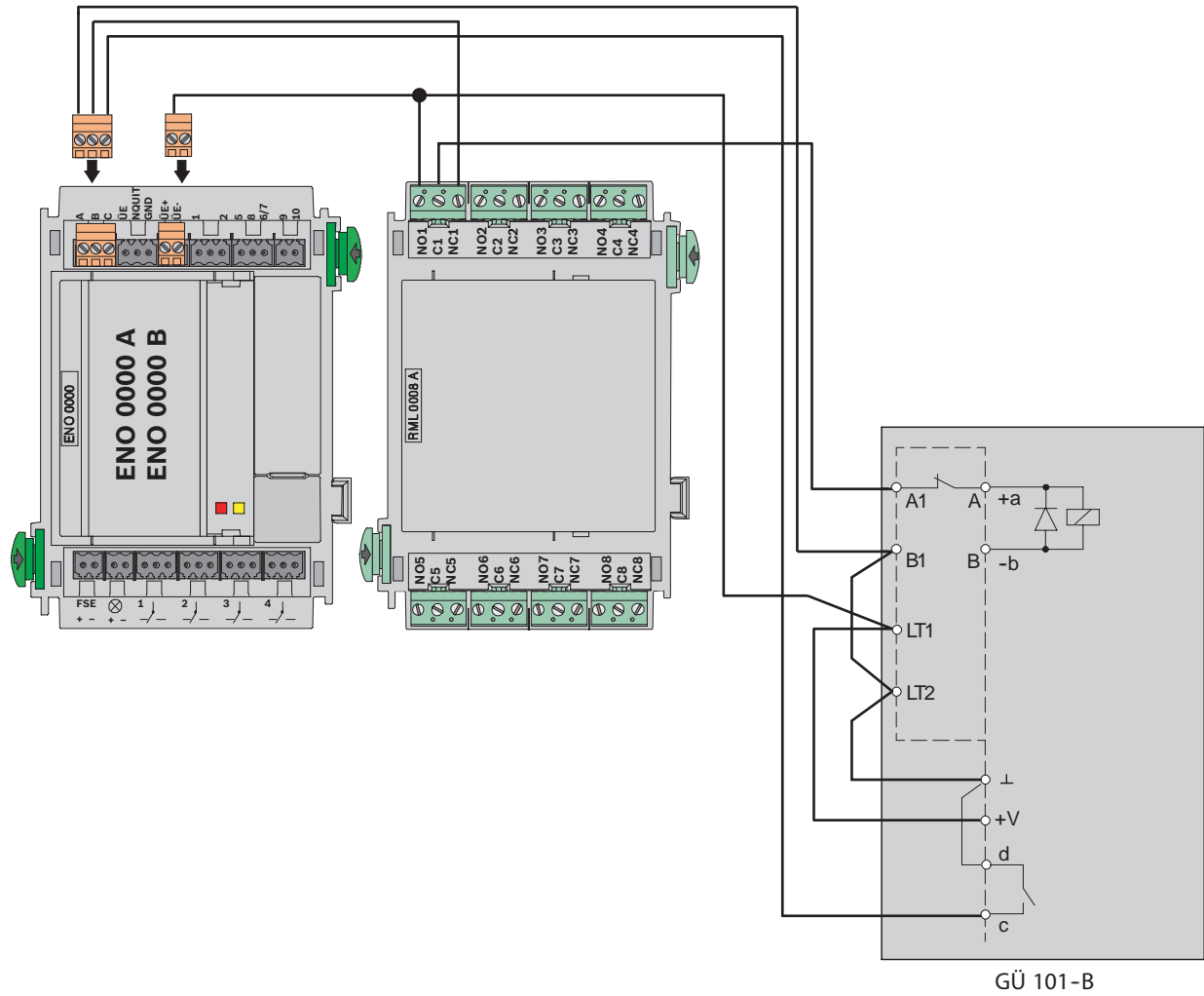
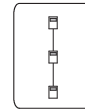


**GÜ 101-B**

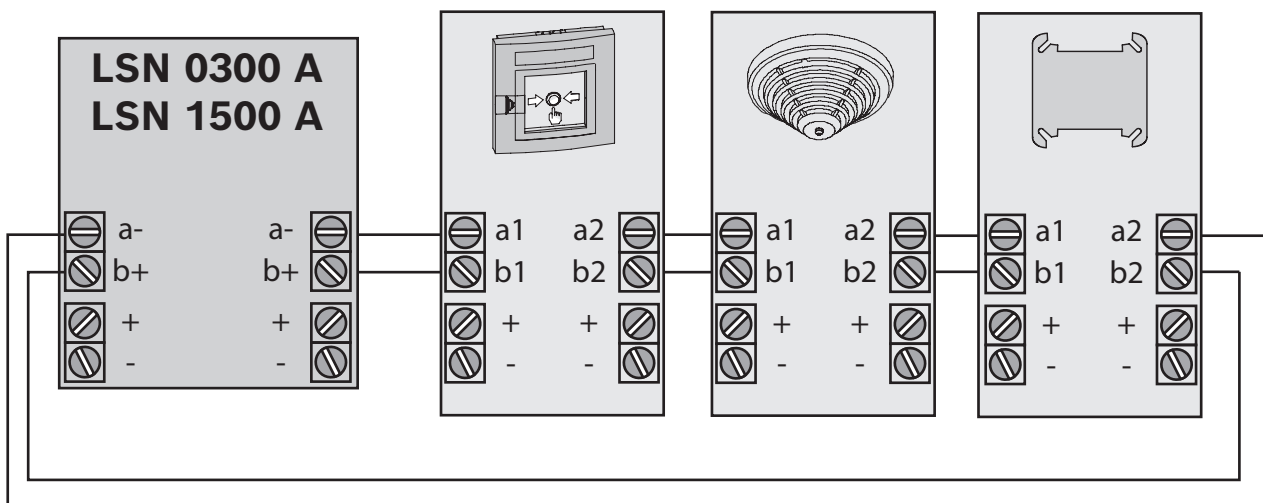
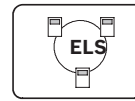


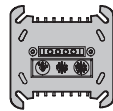
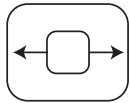


**GÜ 101-B**

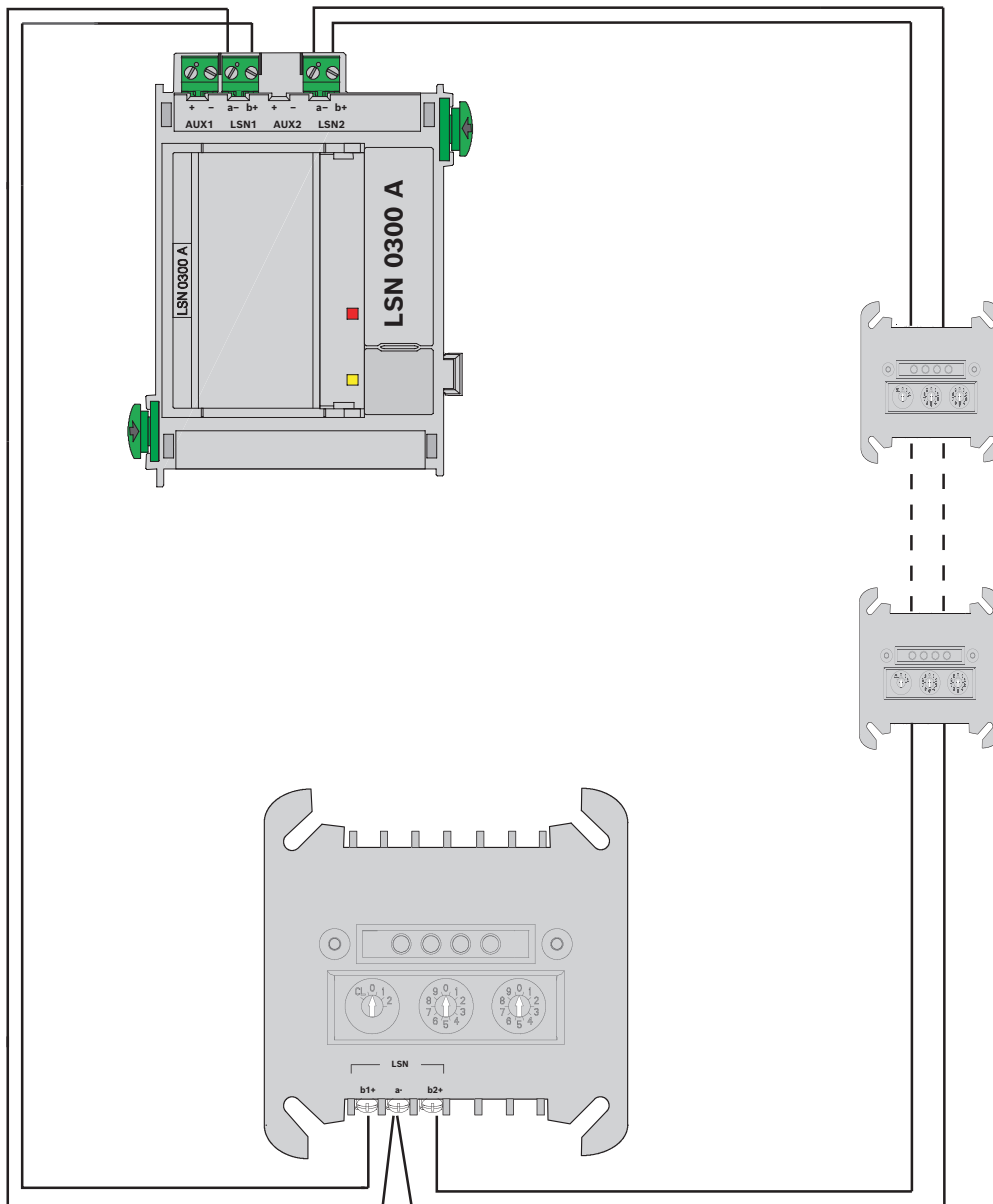
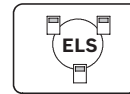


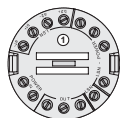
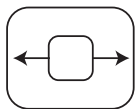
### 2.4.4 LSN 0300 A



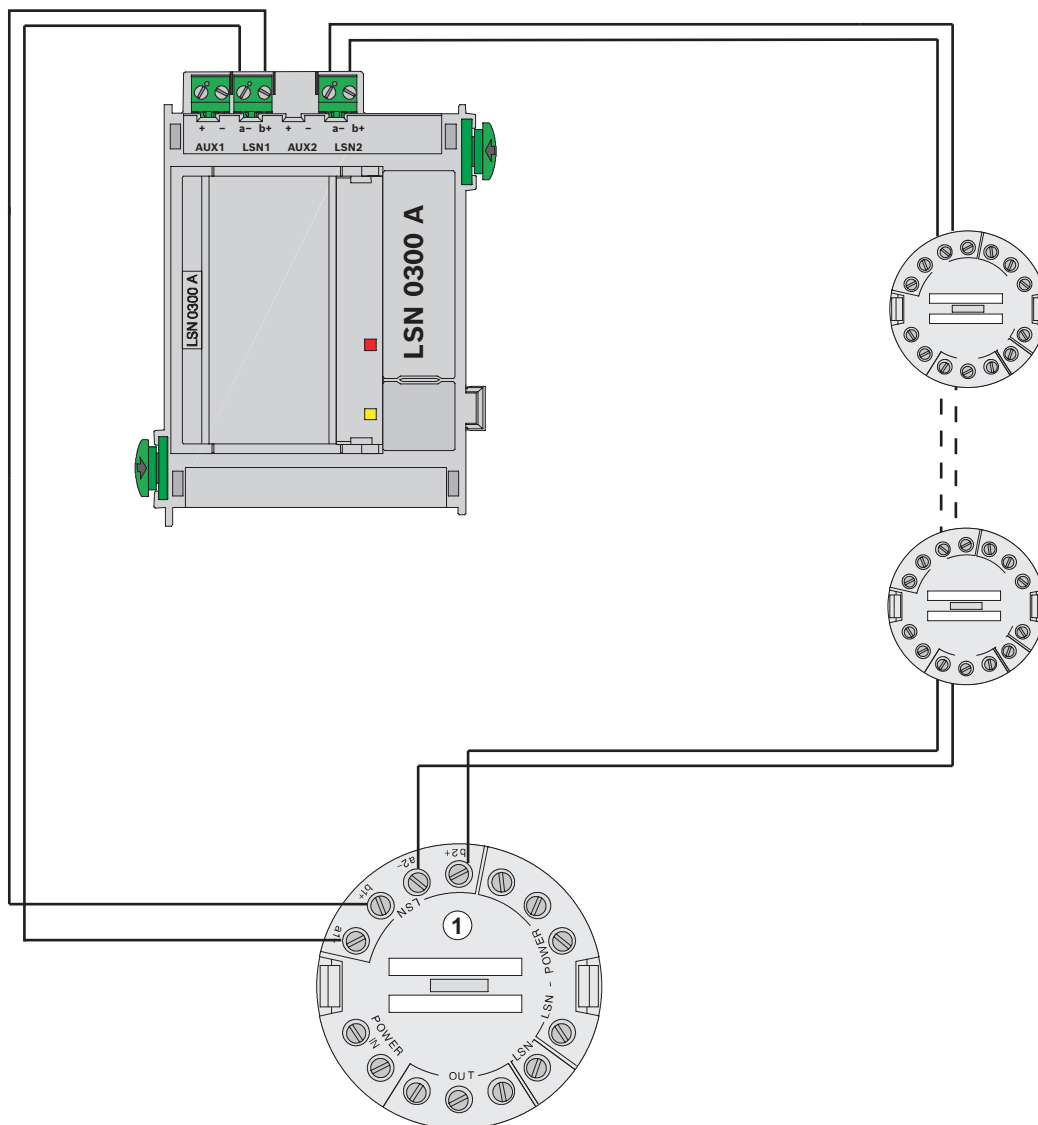
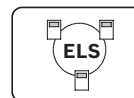


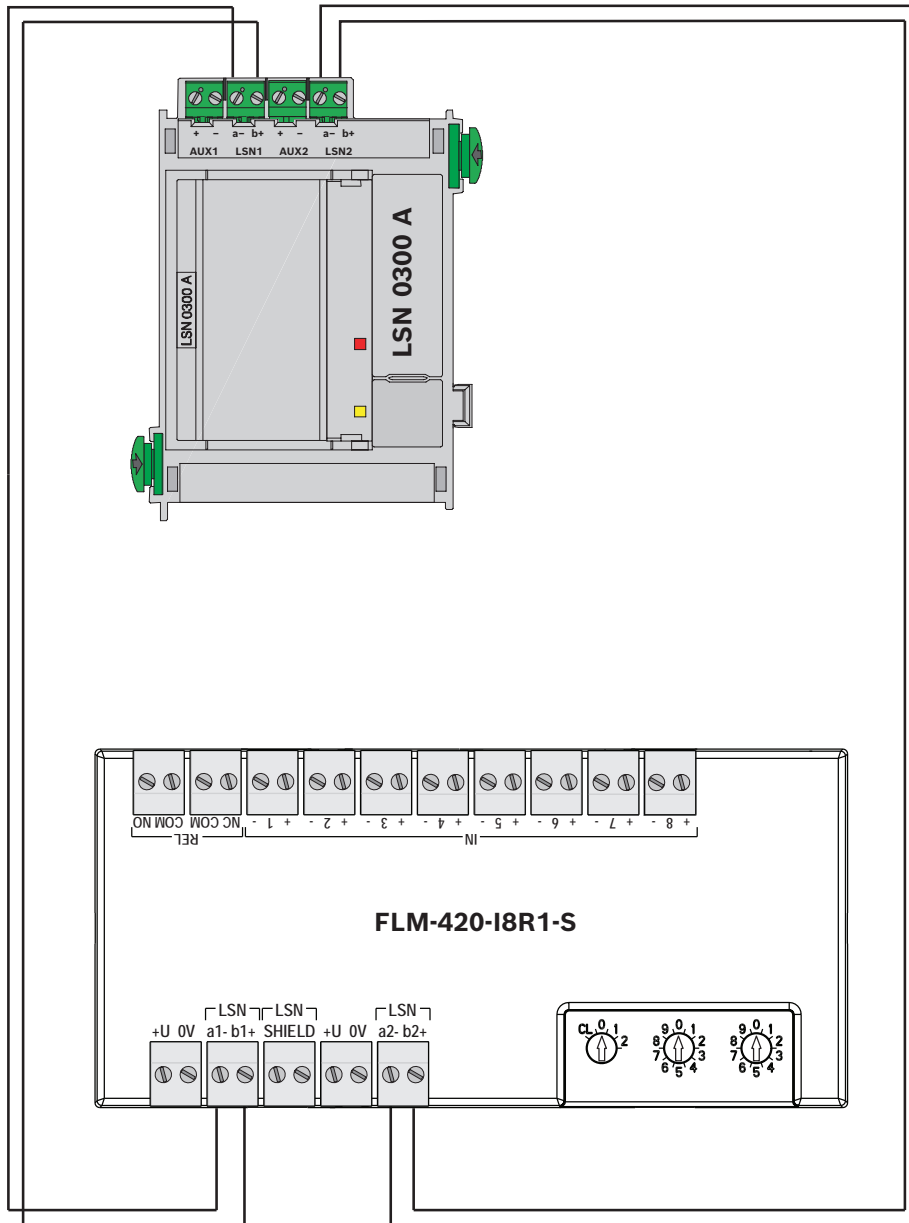
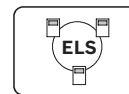
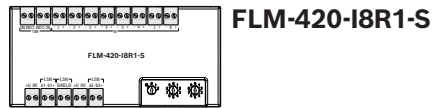
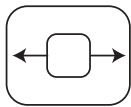
**FLM-I 420-S**  
**FLM-420-I2-D**  
**FLM-420-O1I1-D**  
**FLM-420-RHV-D/S**  
**FLM-420-RLV1-D**

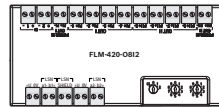
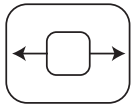




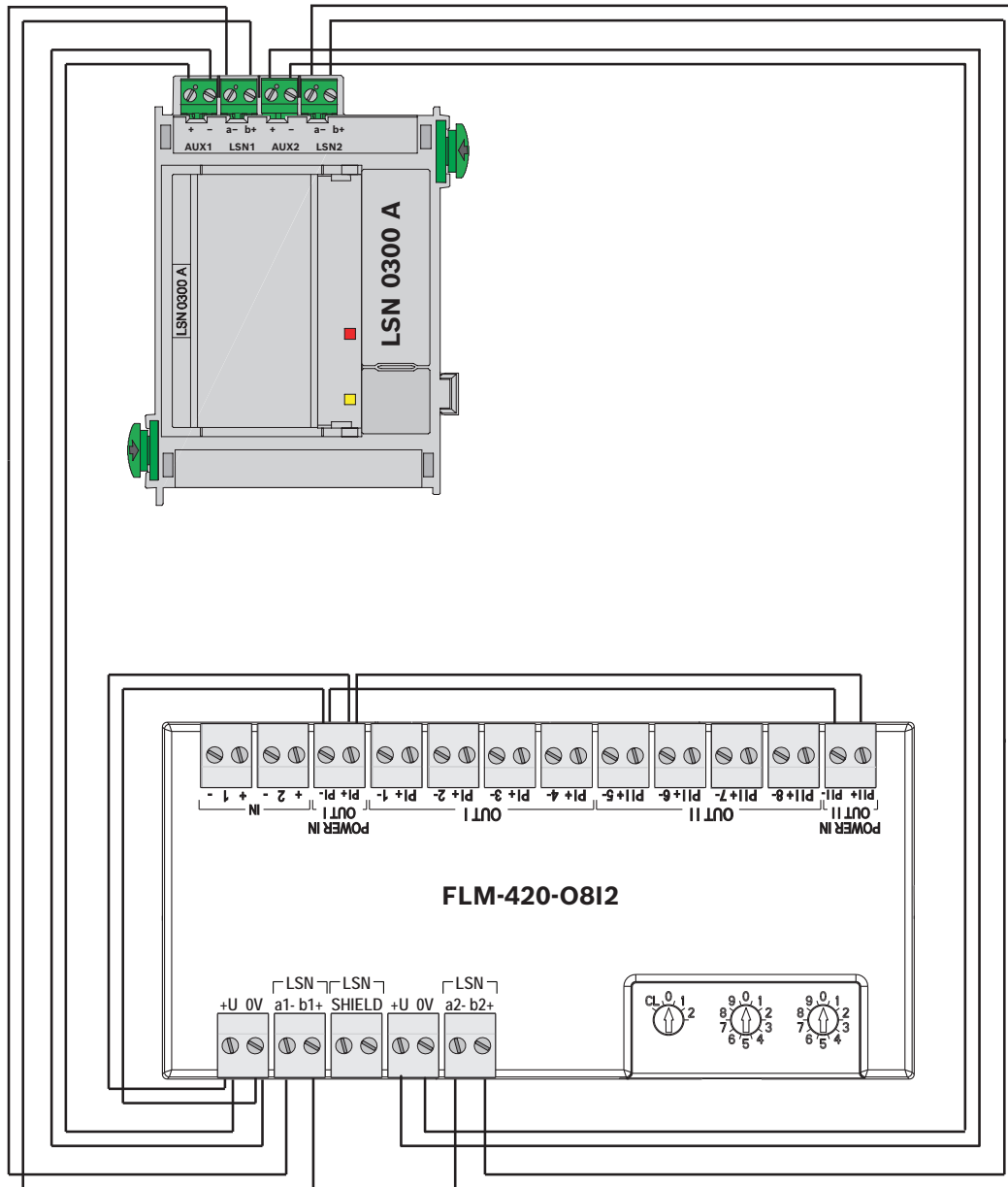
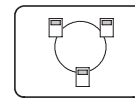
**FLM-420-I2-E/W**  
**FLM-420-RLV1-E**



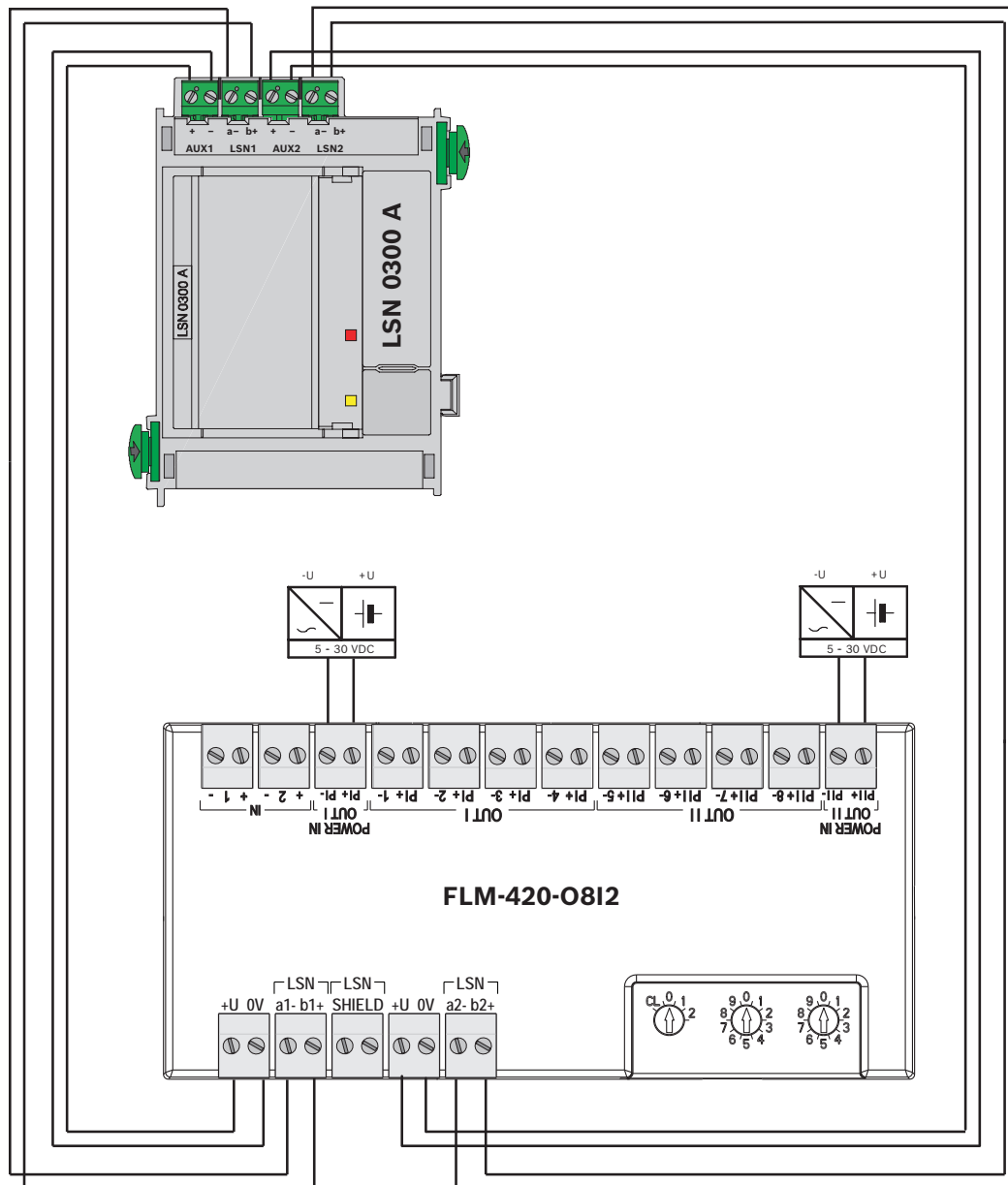
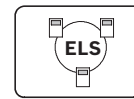
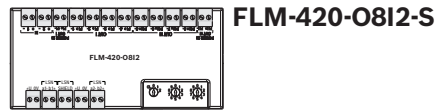
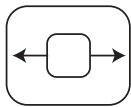


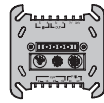
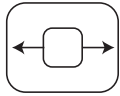


**FLM-420-0812-S**

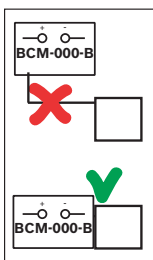
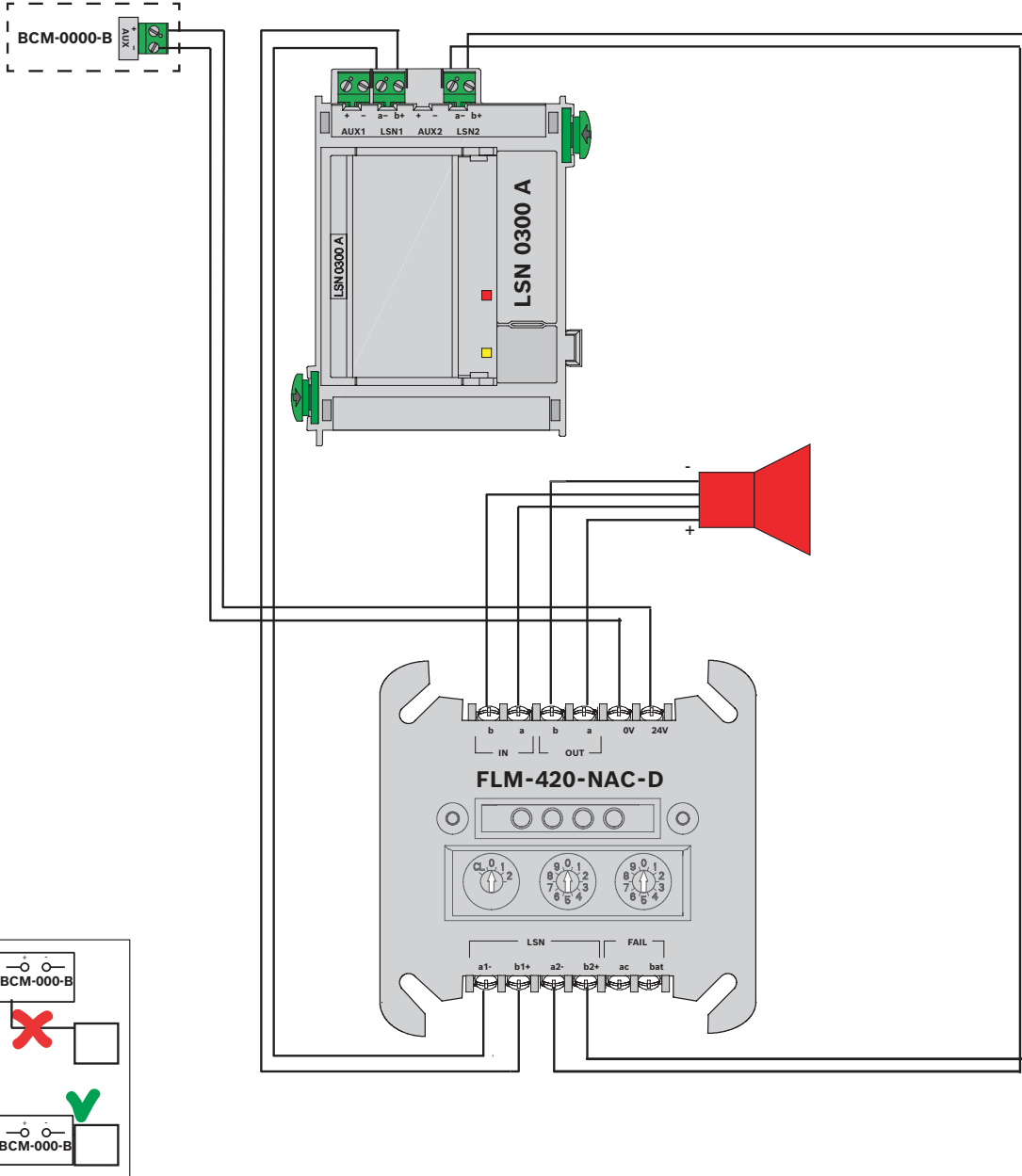
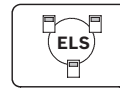


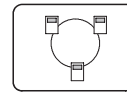
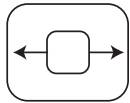




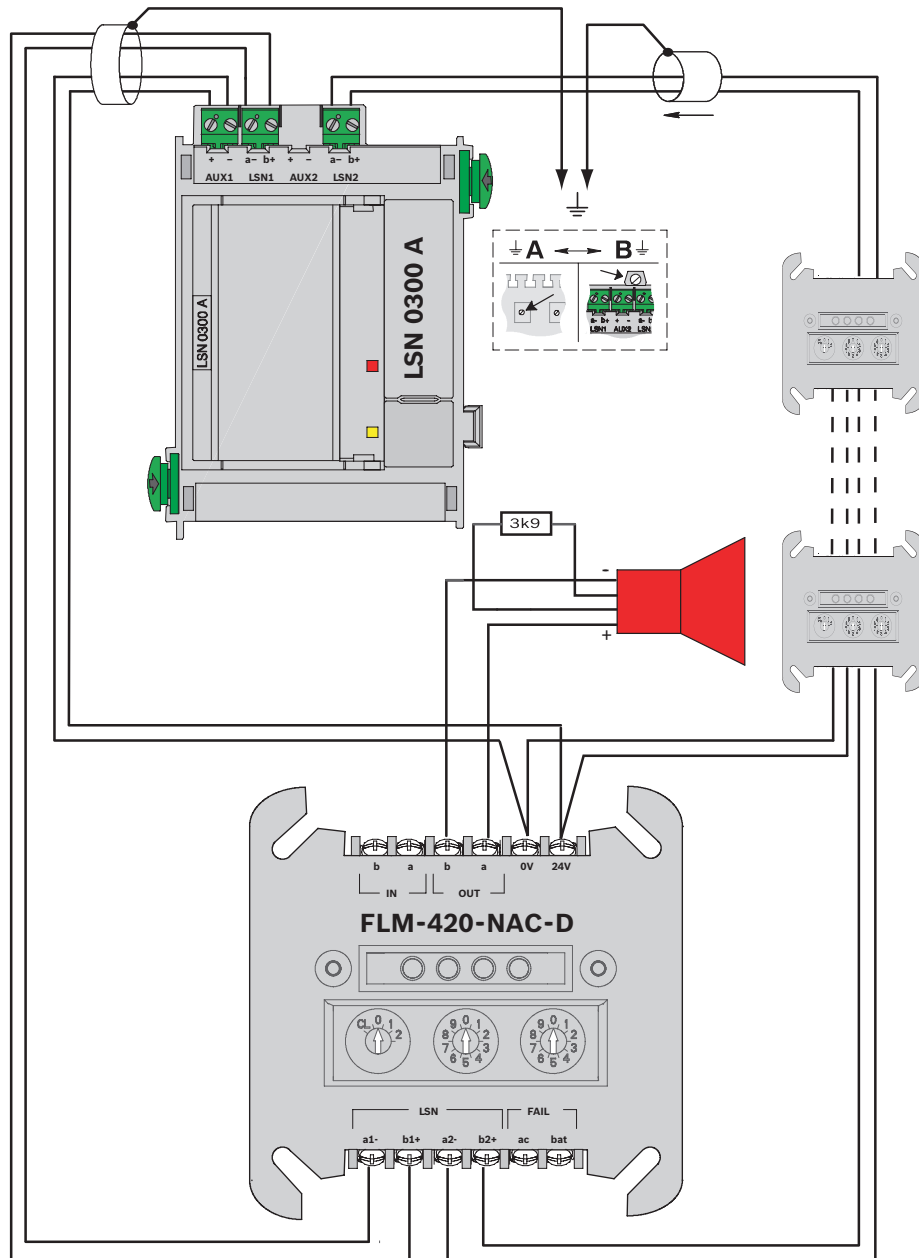


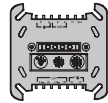
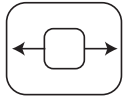
FLM-420-NAC-D/S



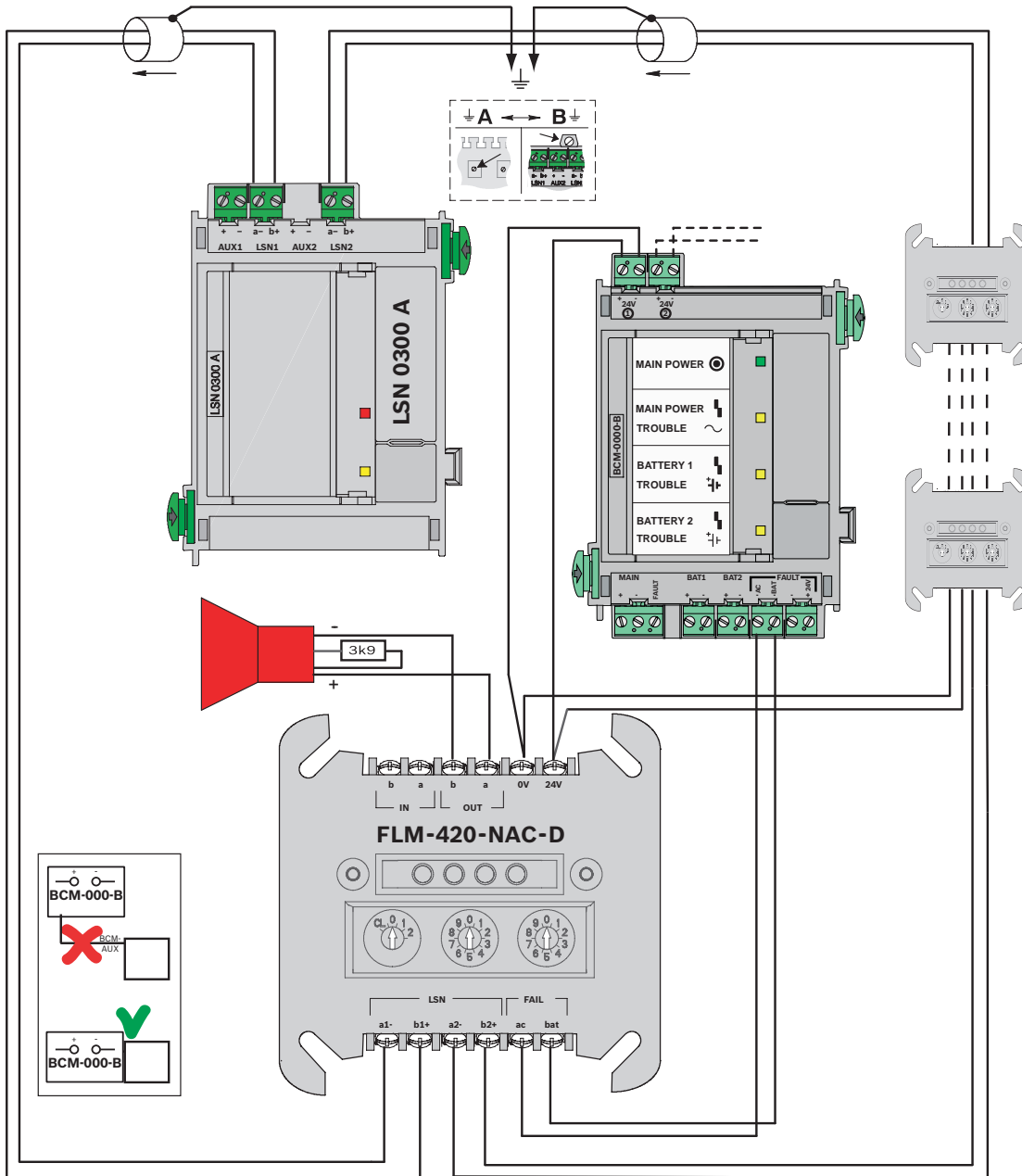
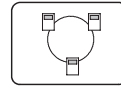


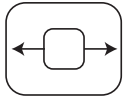
**EN 54-2**



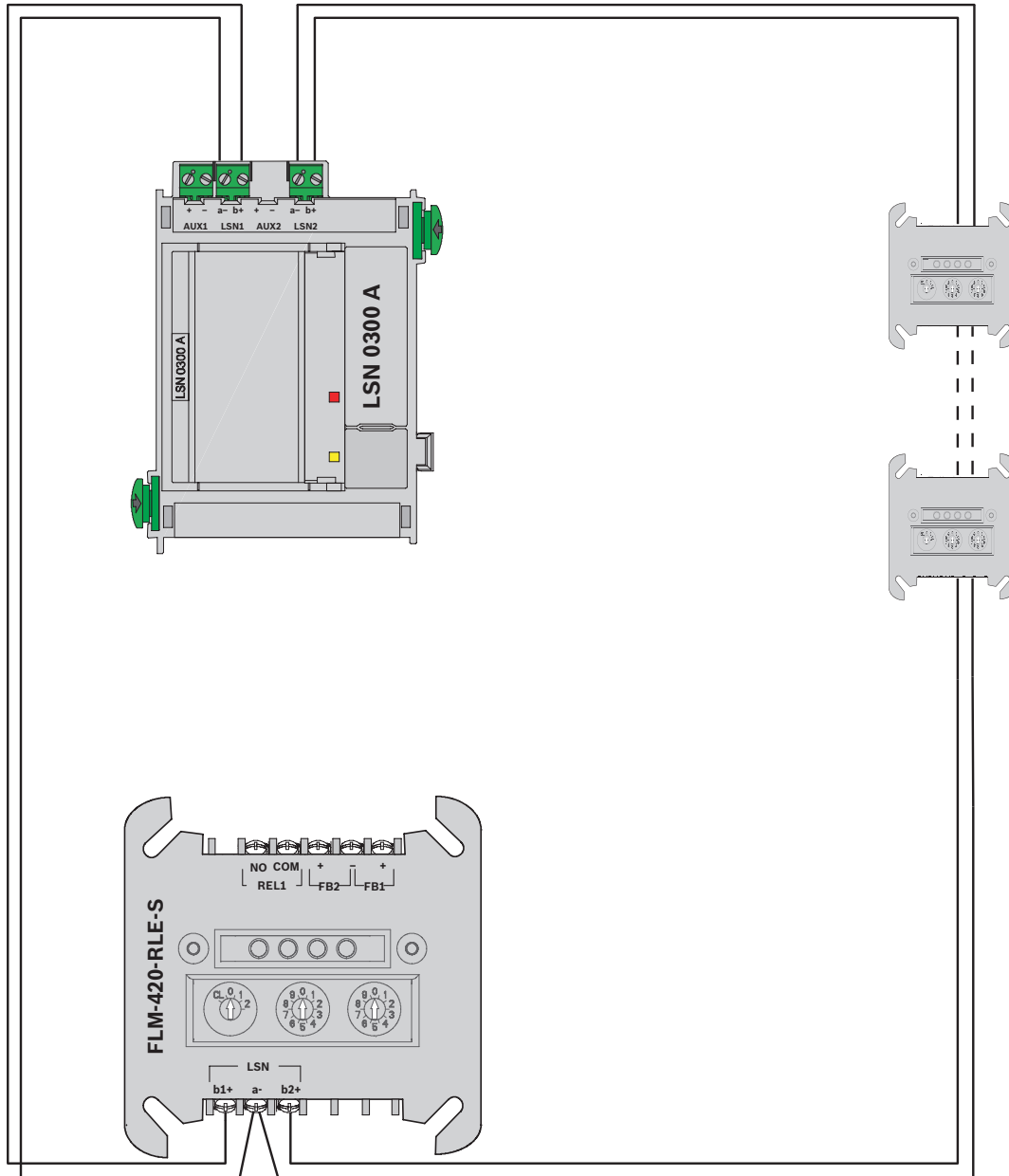
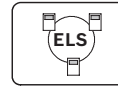


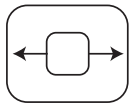
FLM-420-NAC-D/S



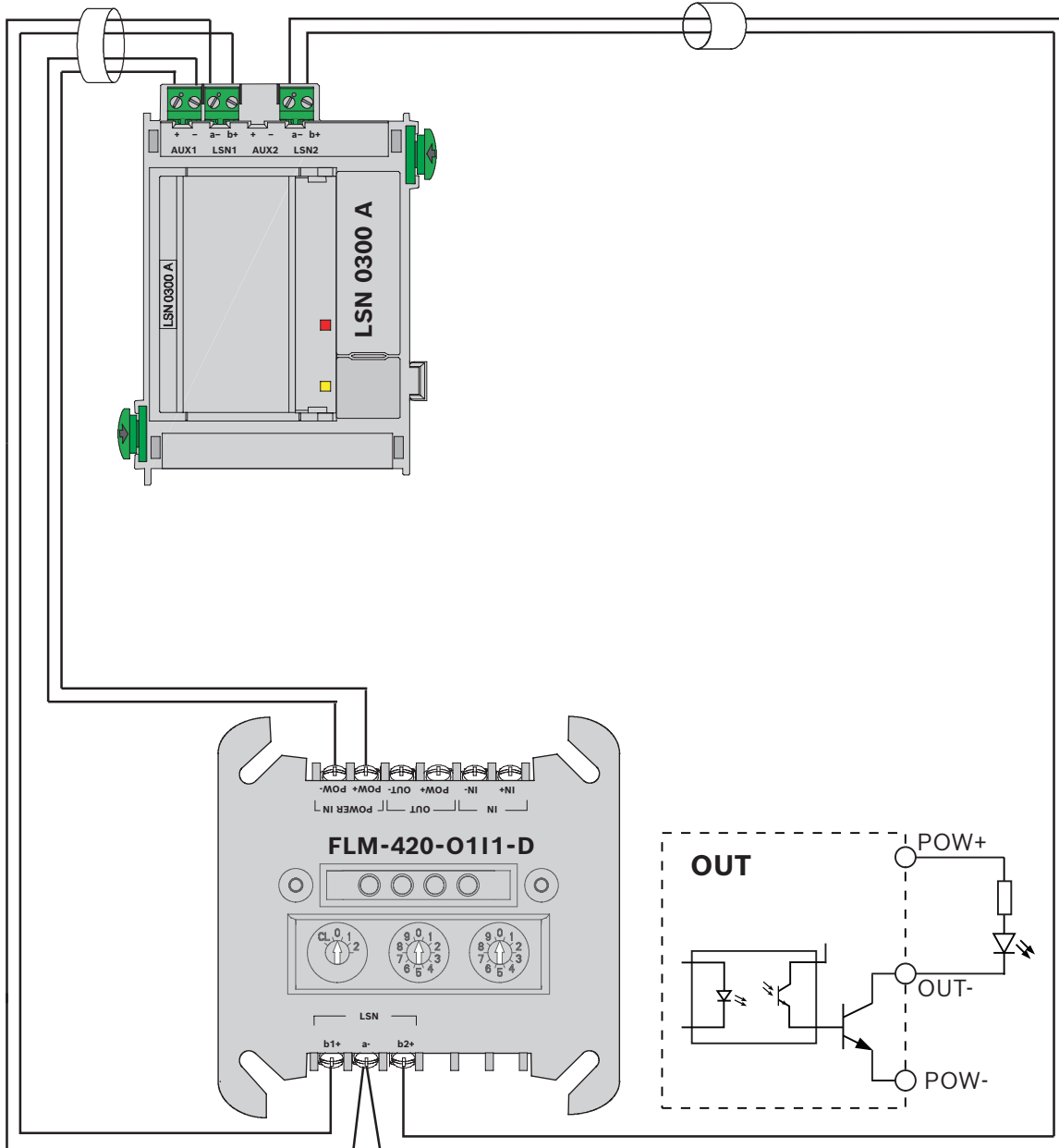
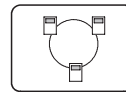


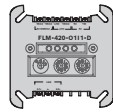
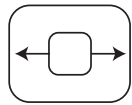
FLM-420-RLE-S



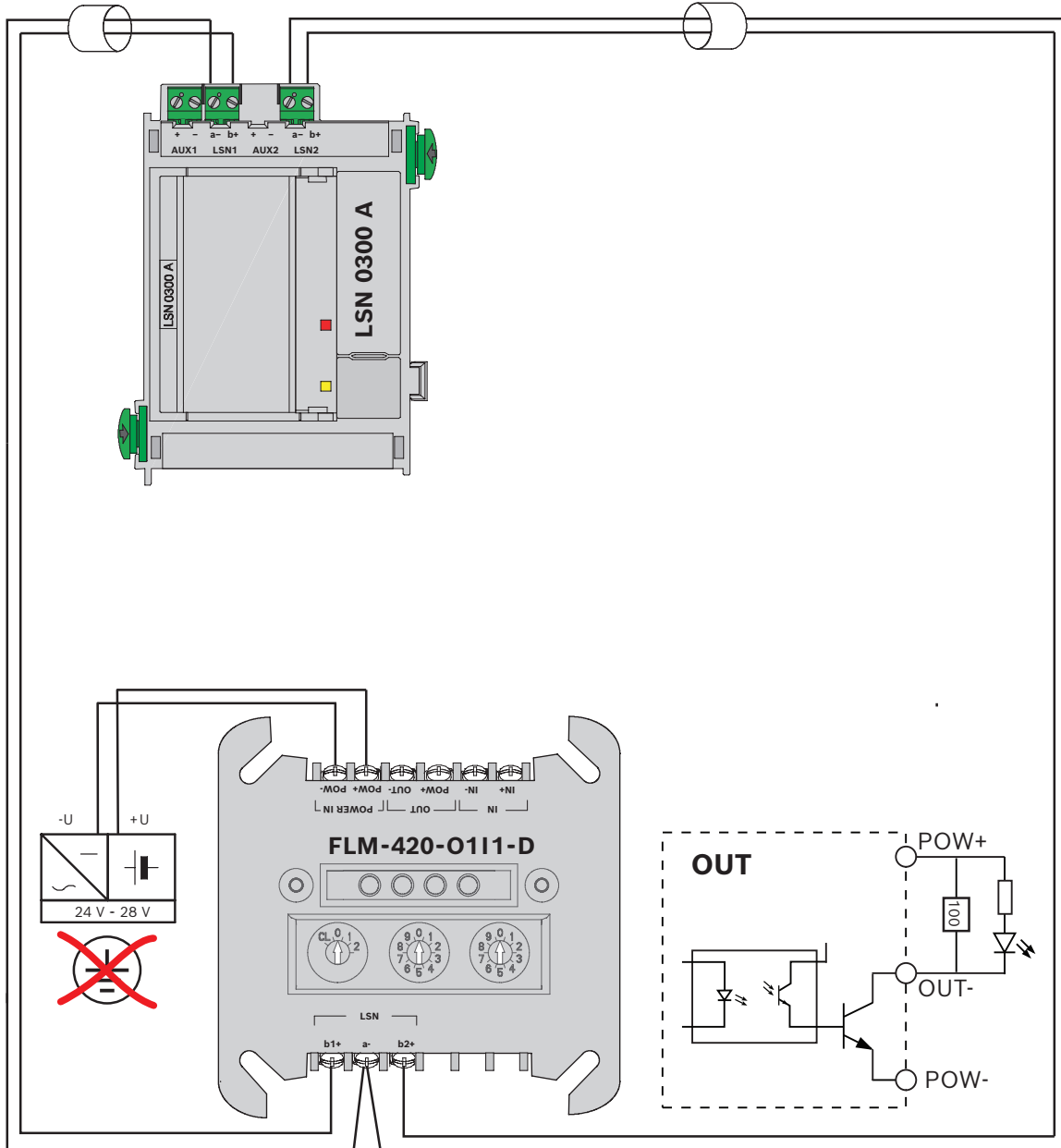
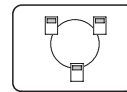


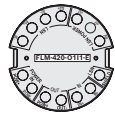
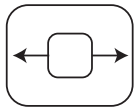
**FLM-420-O111-D**



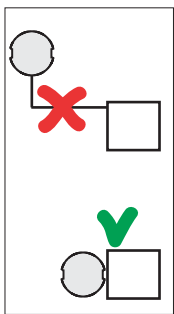
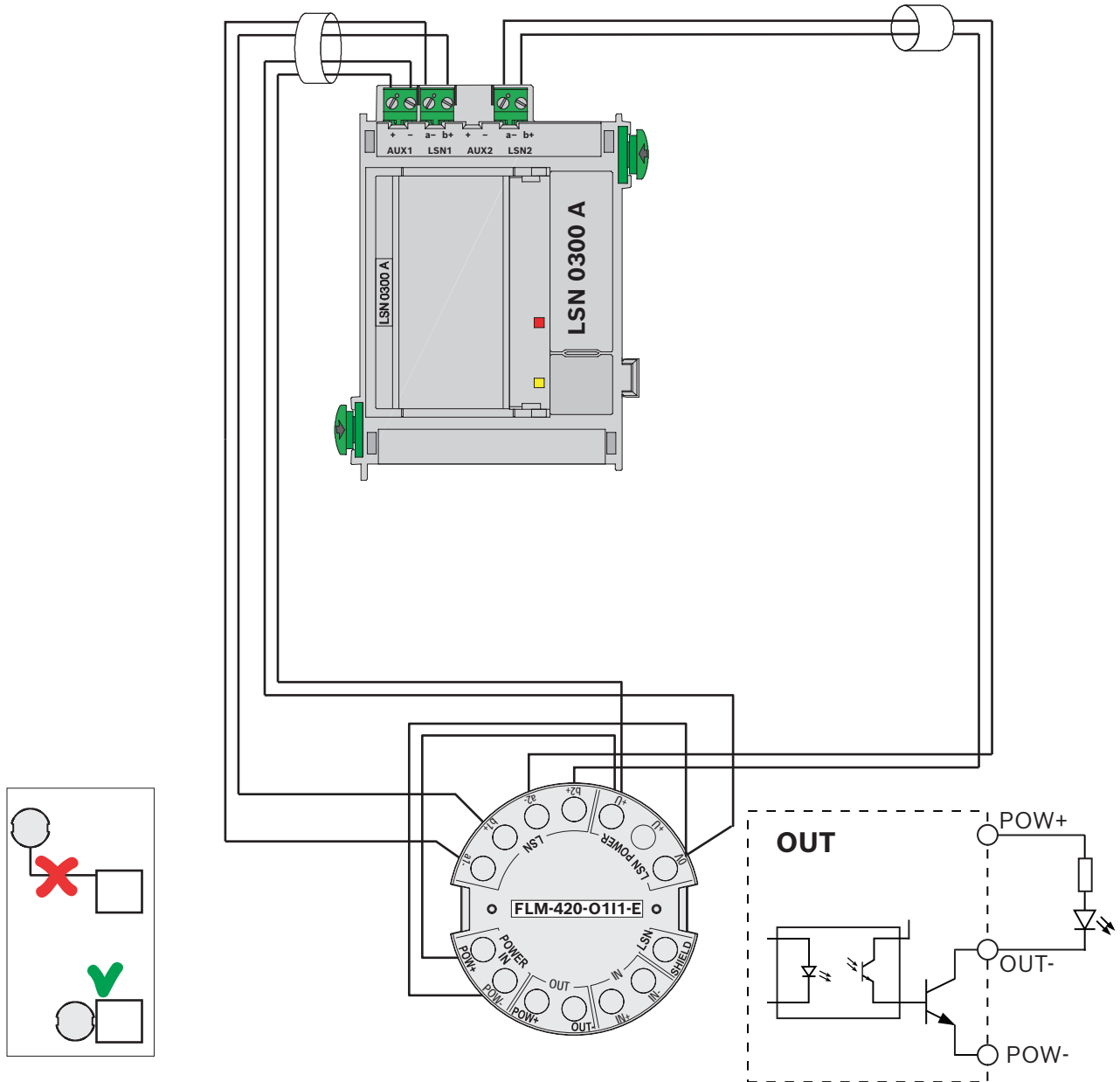
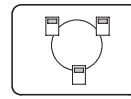


**FLM-420-O111-D**

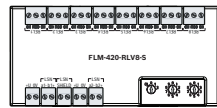
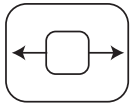




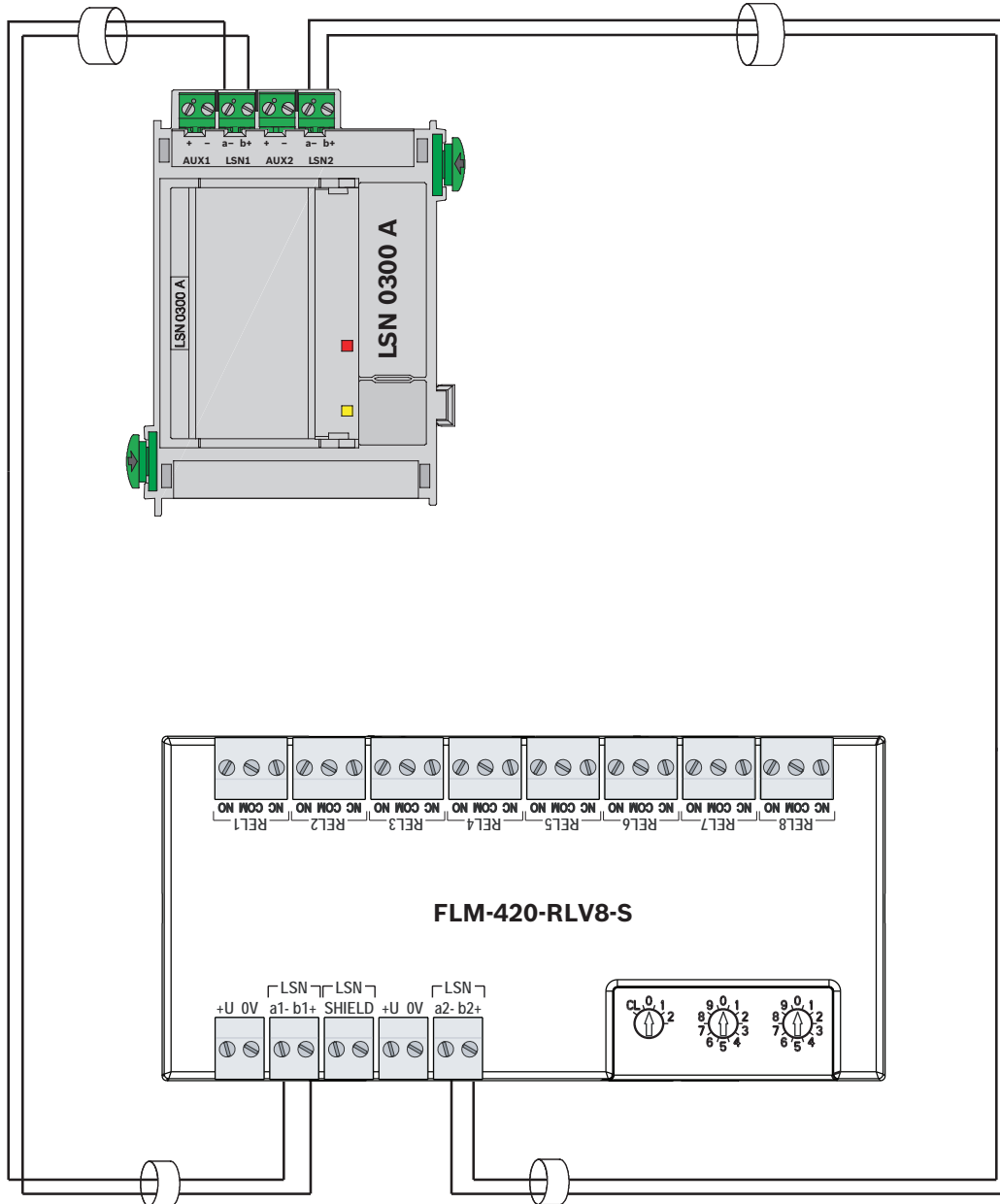
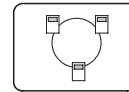
**FLM-420-O111-E**





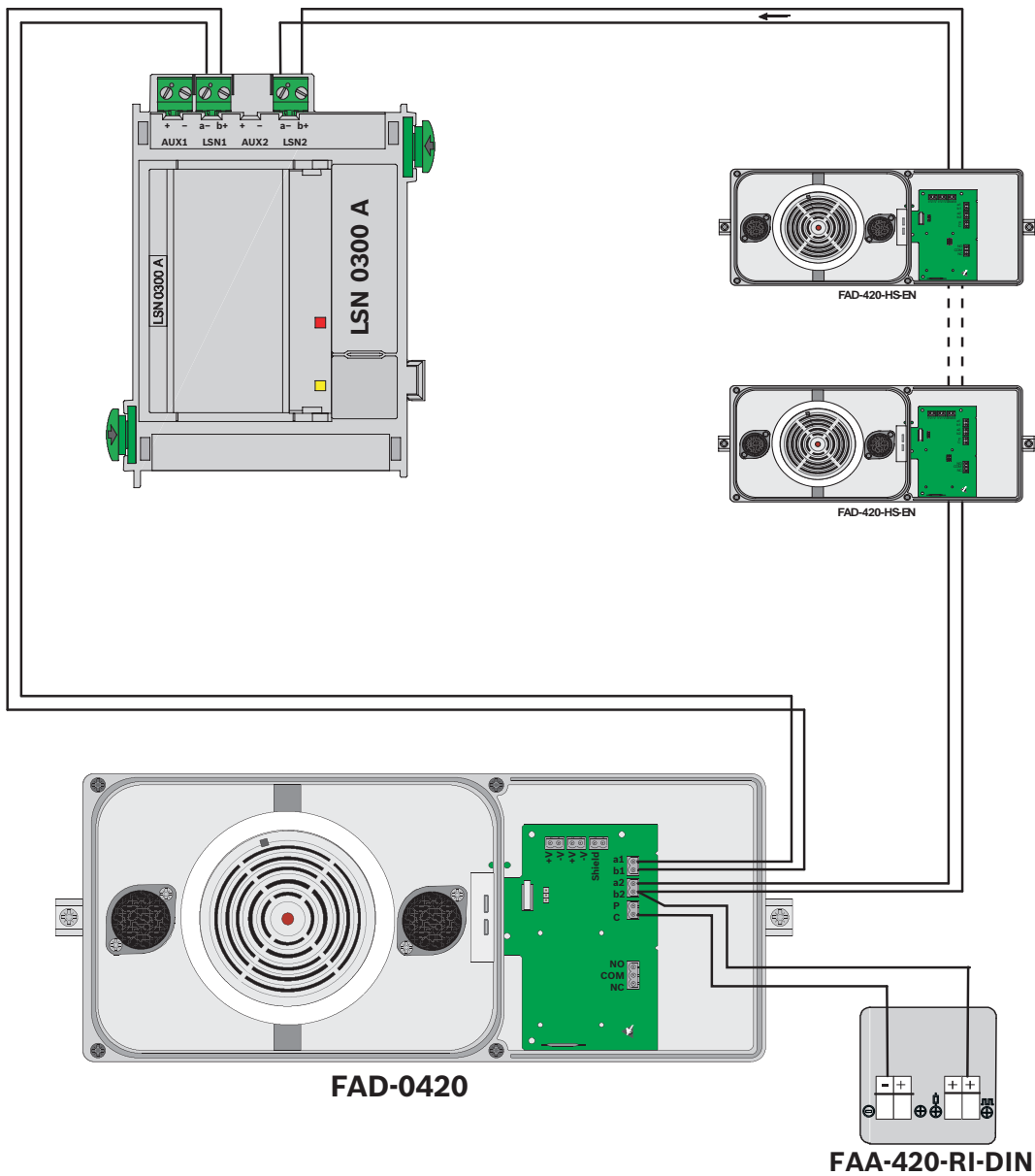


**FLM-420-RLV8-S**



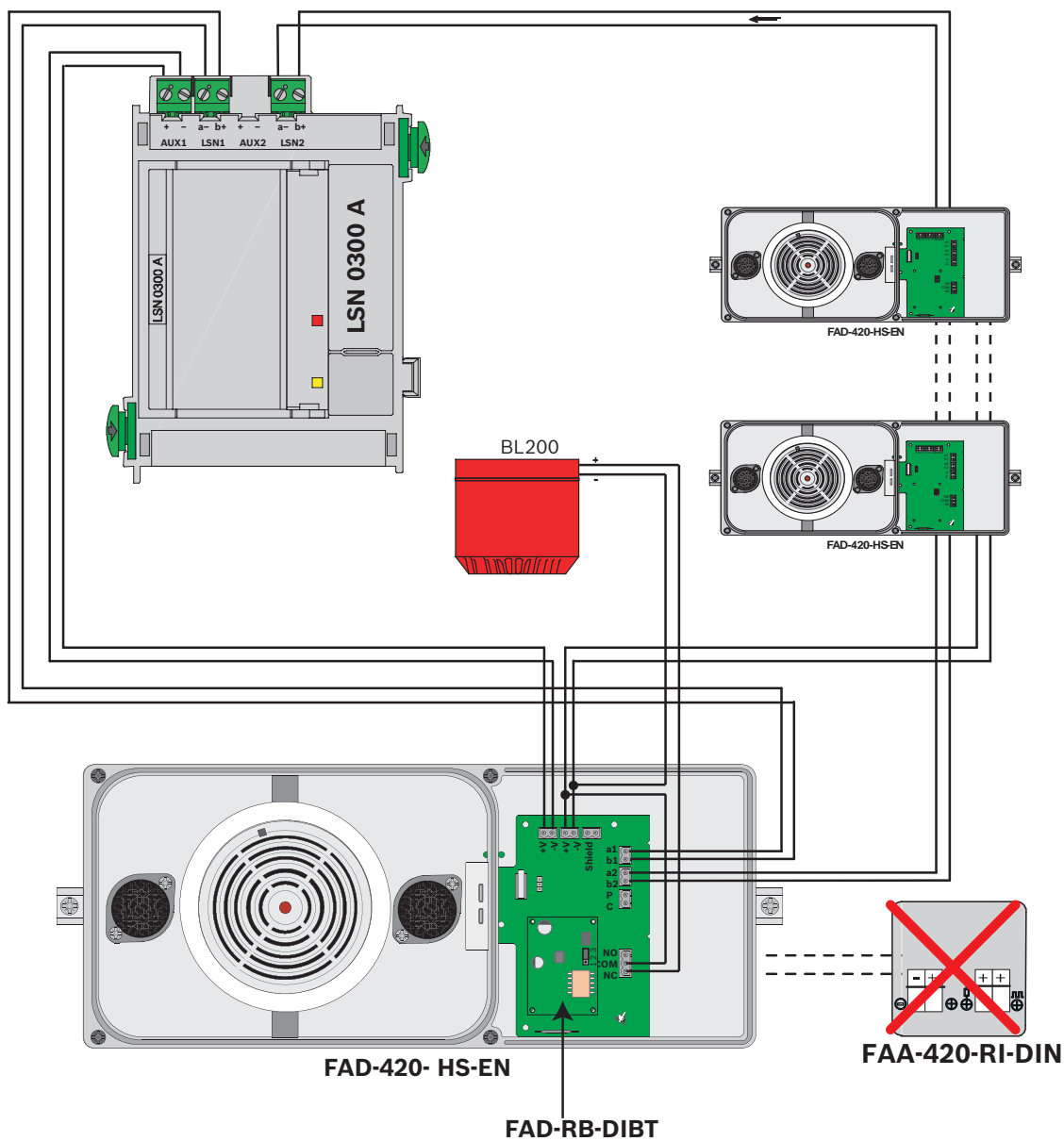


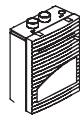
FAD-0420



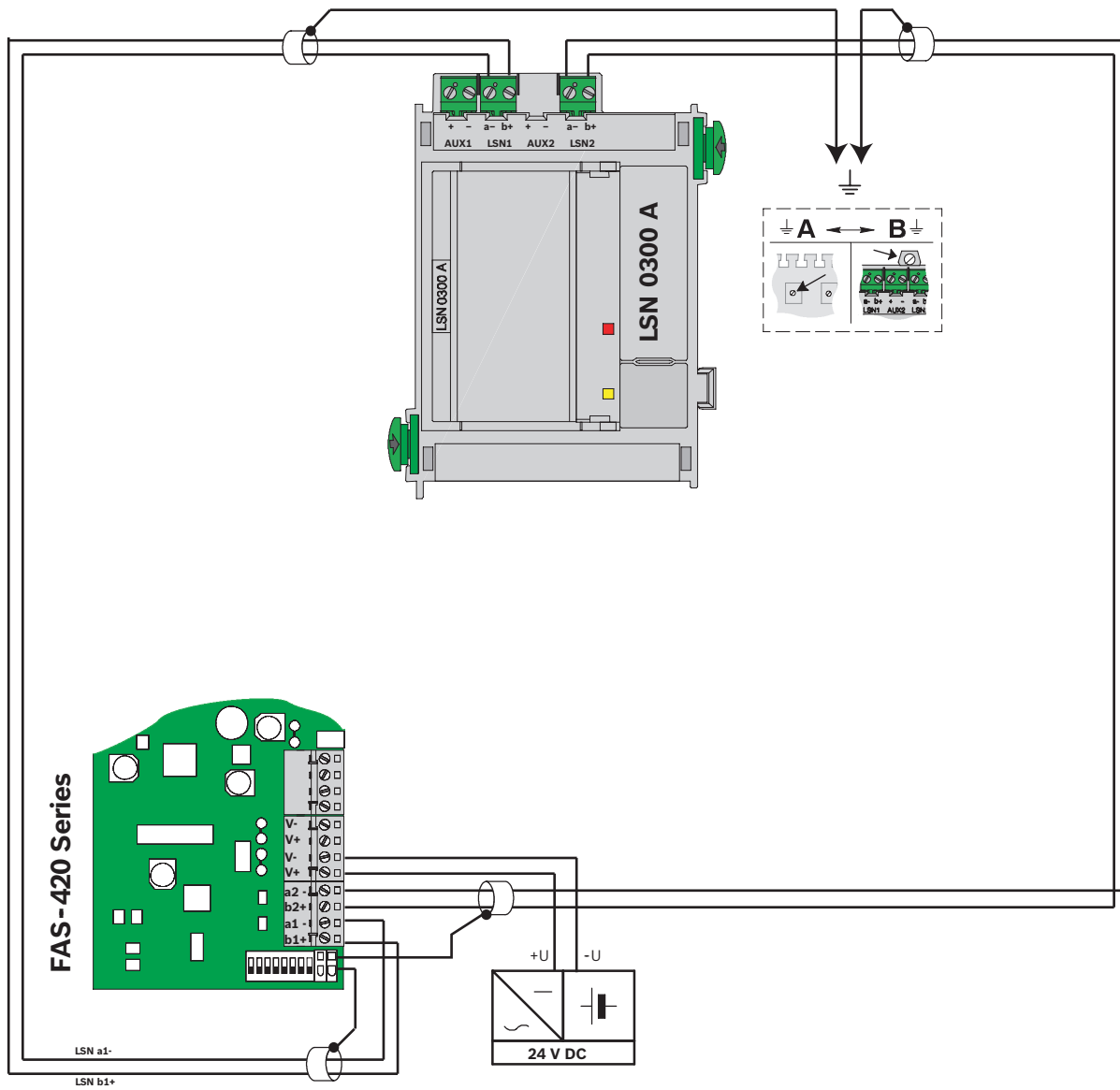


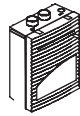
FAD-420-HS-EN



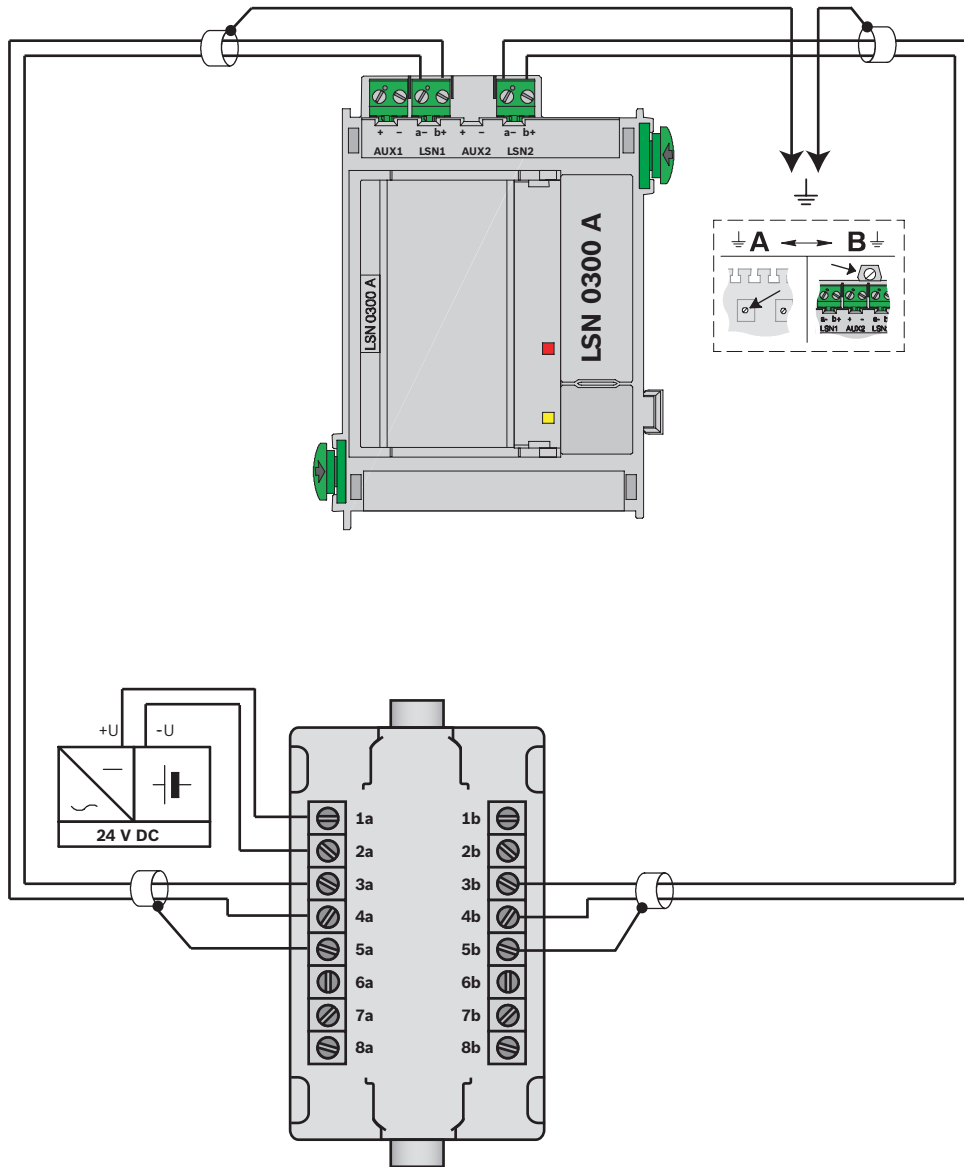


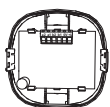
**FAS-420 Series**



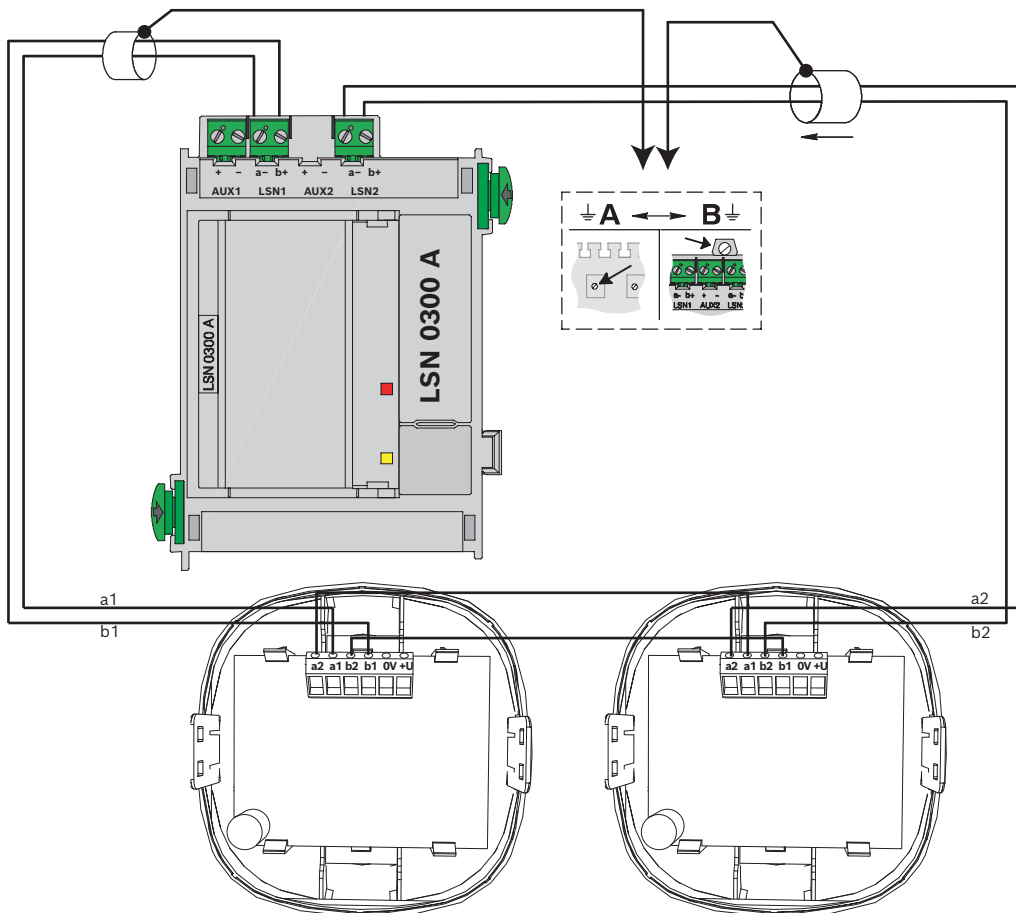
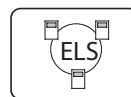


FAS-420-TM Series





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

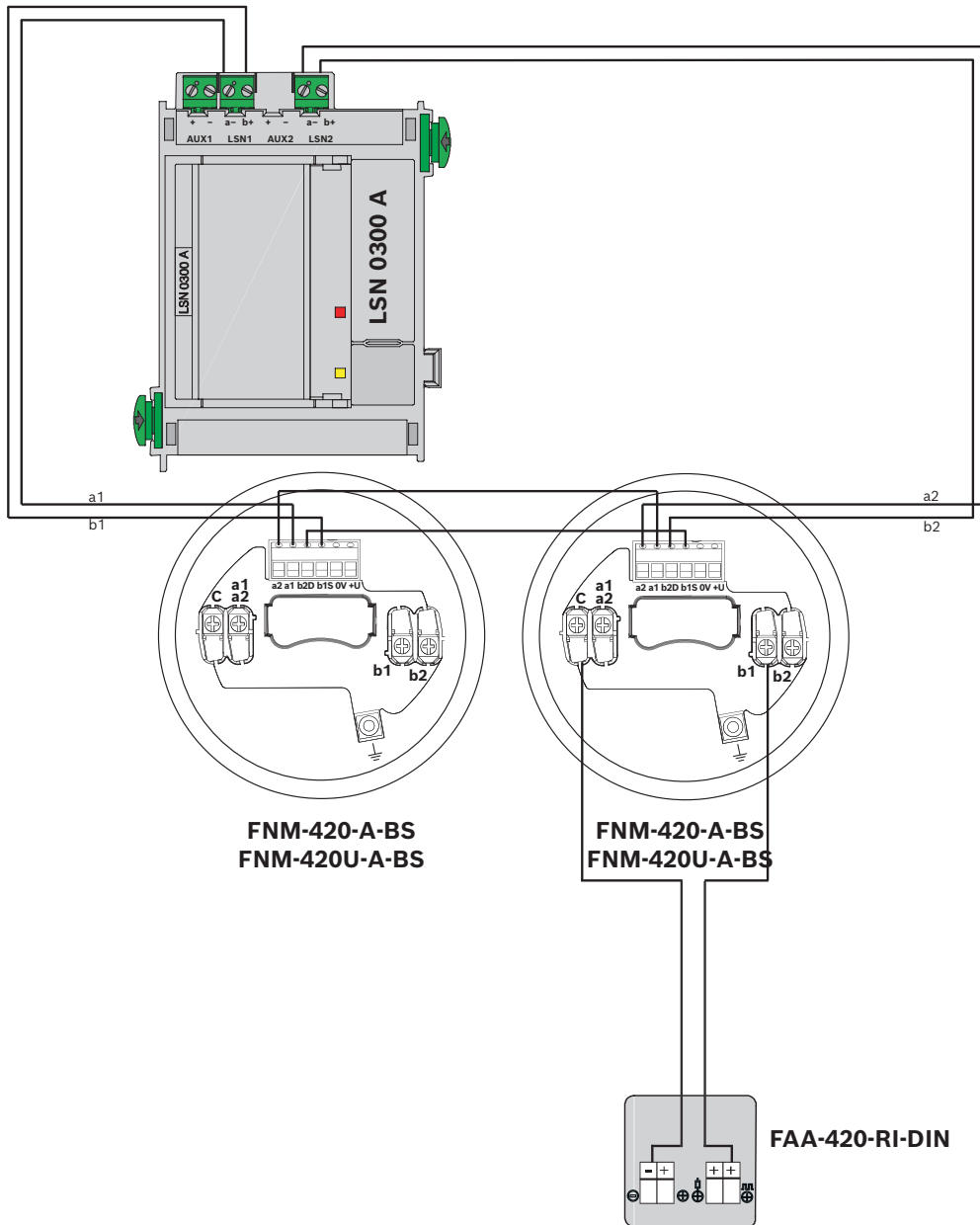
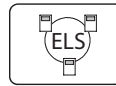


**FNM-420-A/-B**  
**FNM-420U-A/-B**  
**FNM-420V-A**

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



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



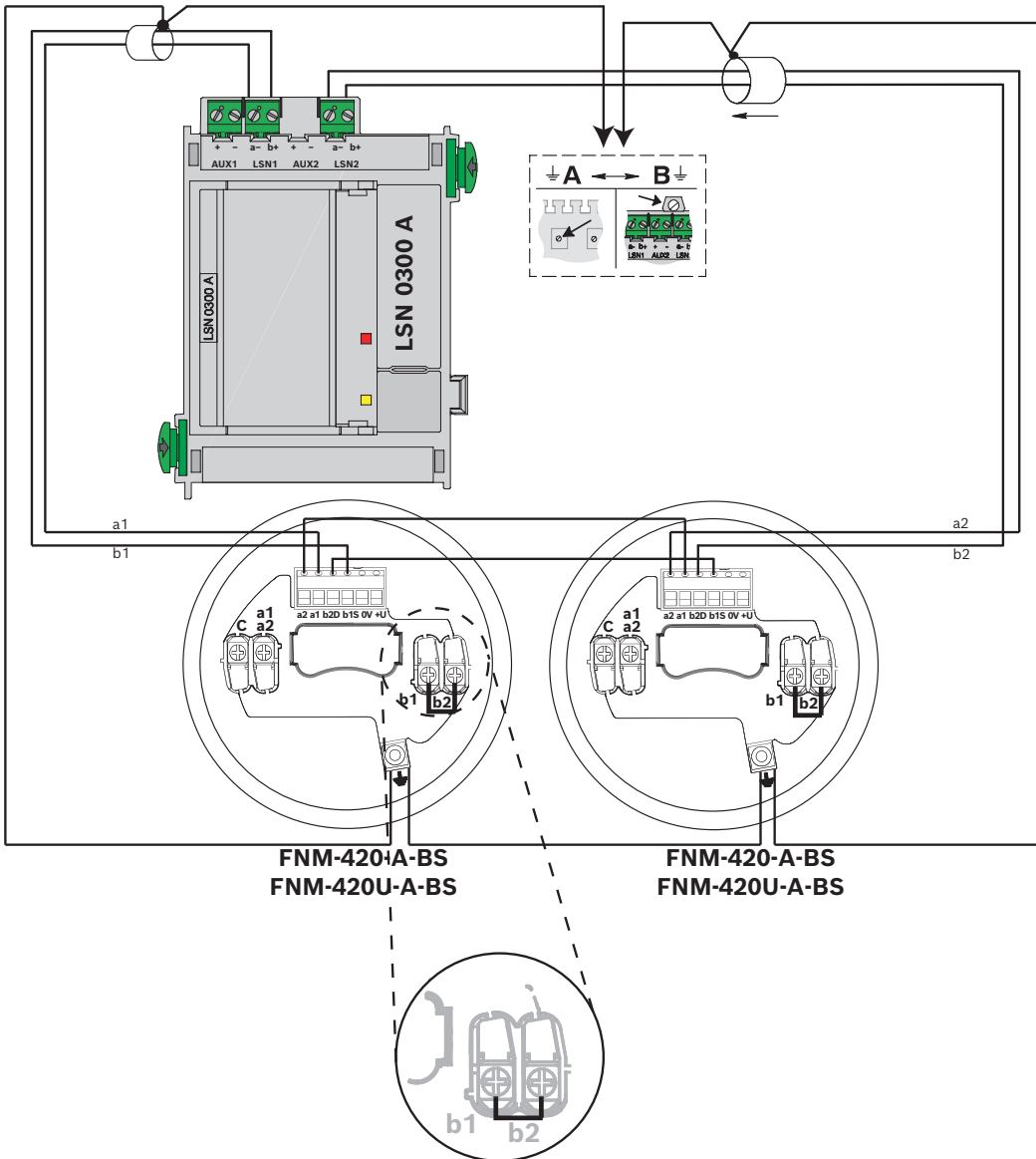
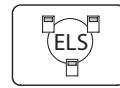
**FNM-420-A-BS**  
**FNM-420U-A-BS**

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

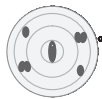
**FAA-420-RI-DIN**



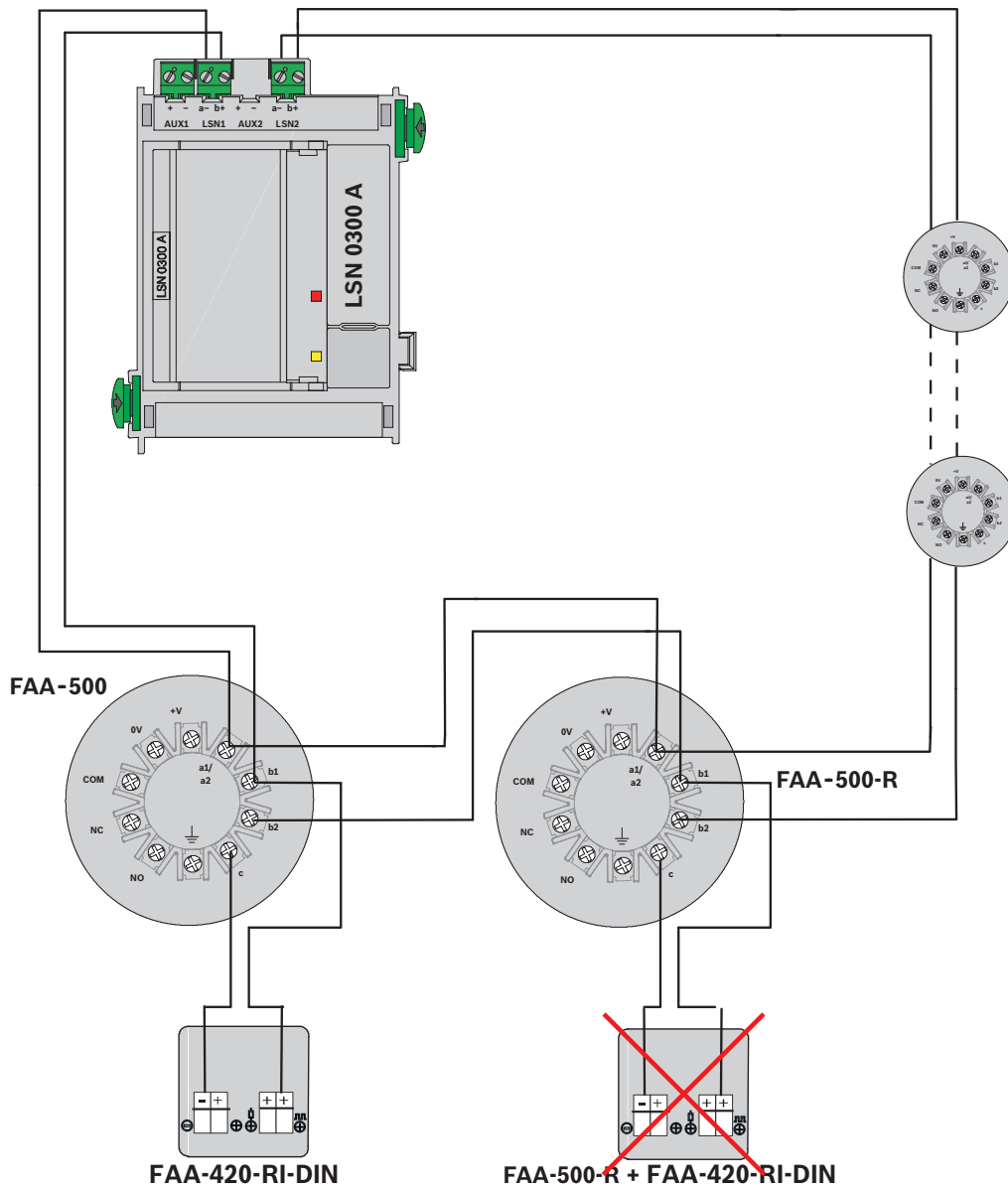
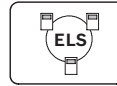
**FNM-420-A-BS**  
**FNM-420U-A-BS**

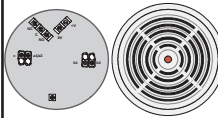




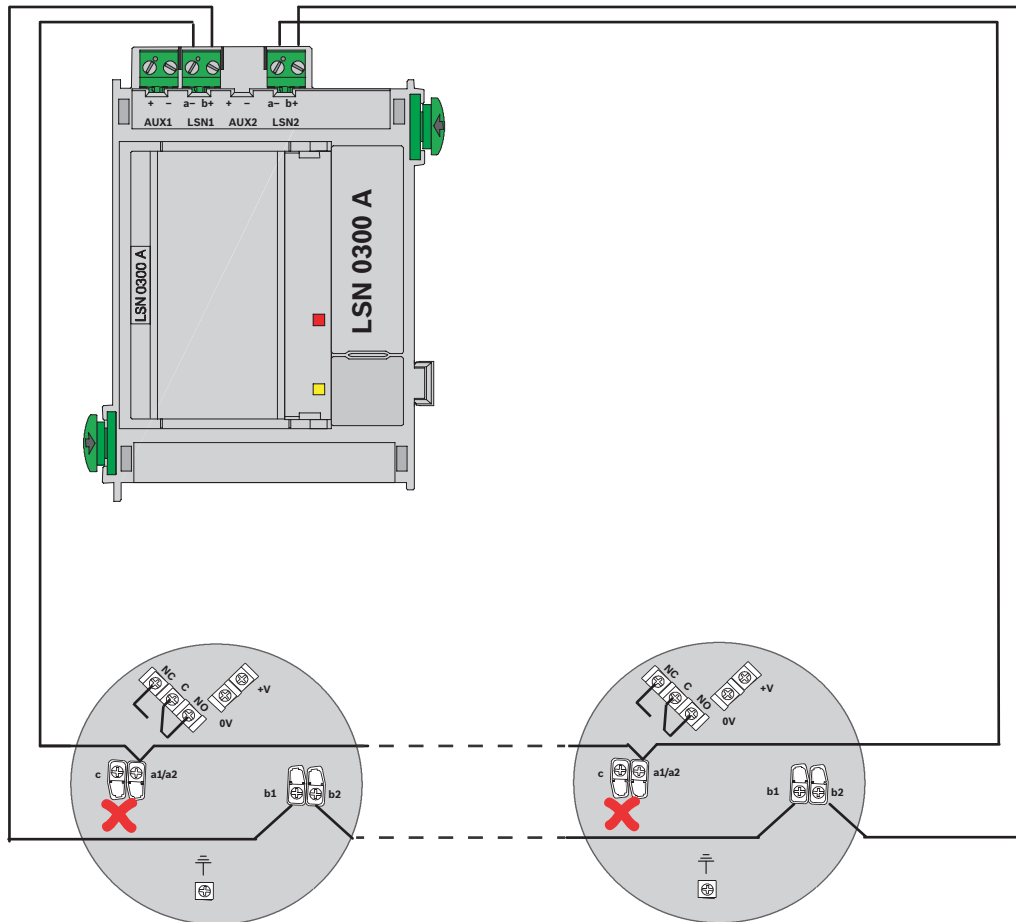
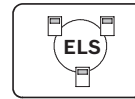


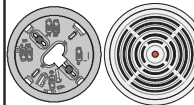
FAP-0520  
FAP-0520-P  
FAP-OC520  
FAP-OC-520-P



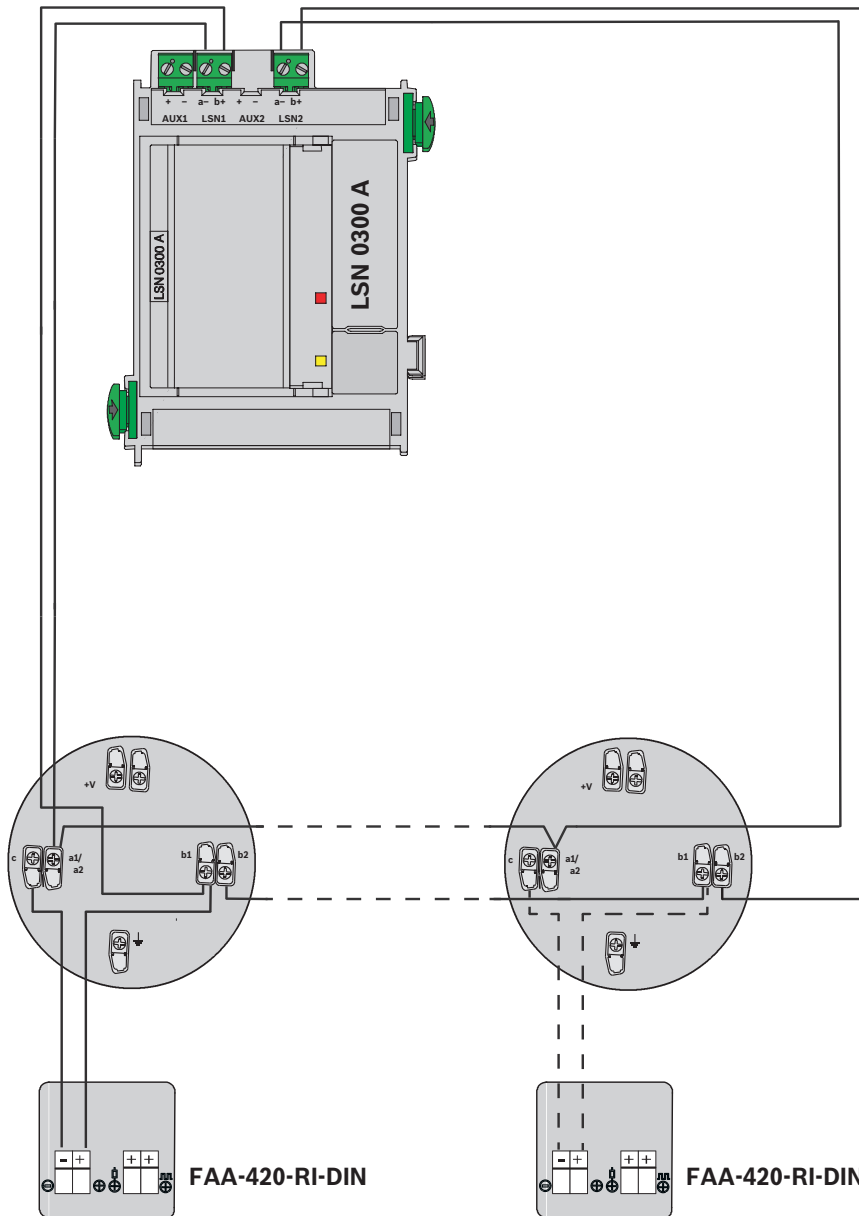
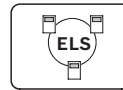


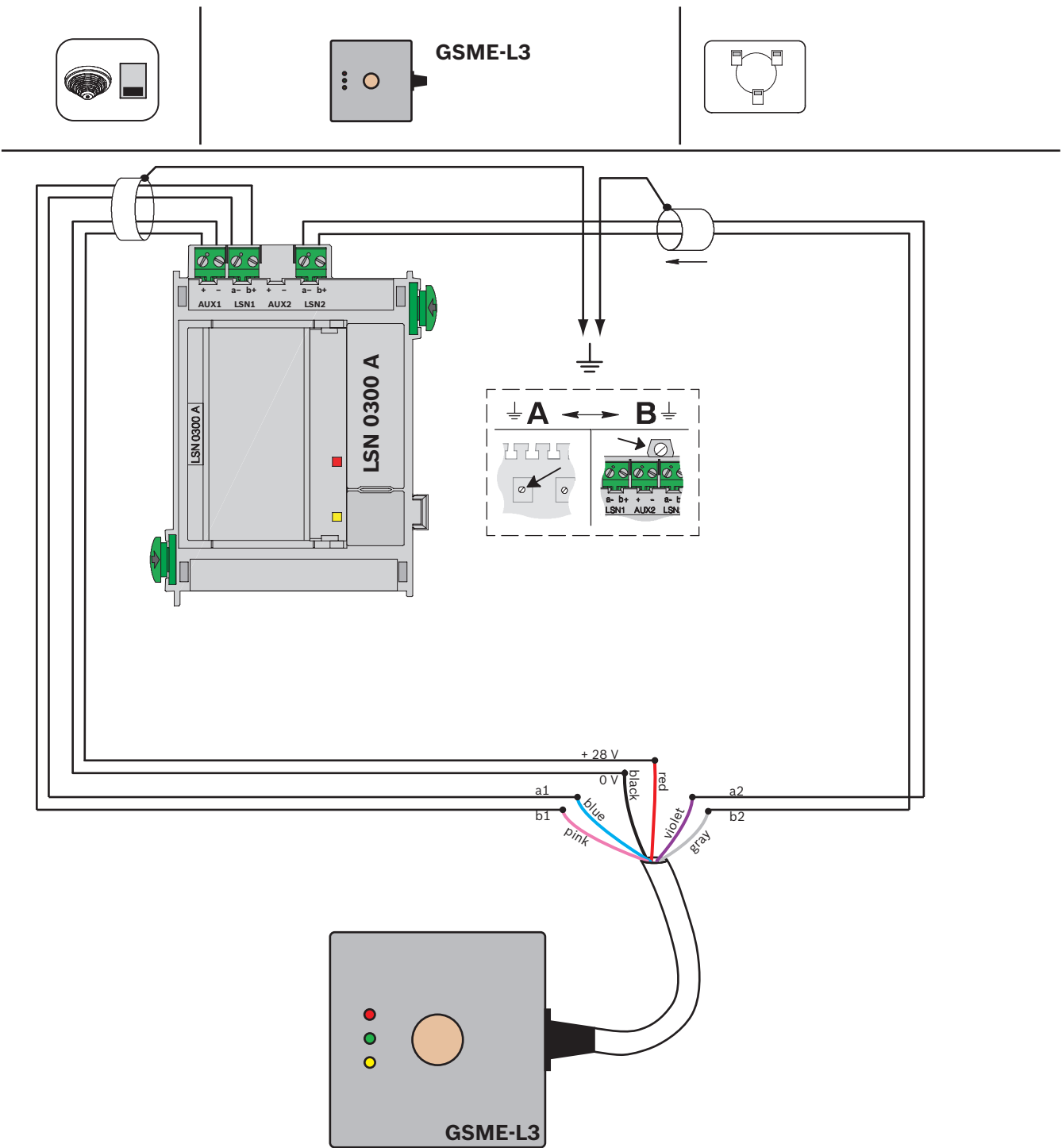
**FAA-MSR-420**  
**FAP-425-O, FAP-425-O-R**  
**FAP-425-OT, FAP-425-OT-R**  
**FAP-425-T-R**  
**FAP-425-DO-R, FAP-425-DOT-R**  
**FAP-425-DOTC-R, FAP-425-DOTCO-R**

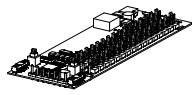
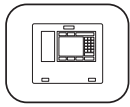




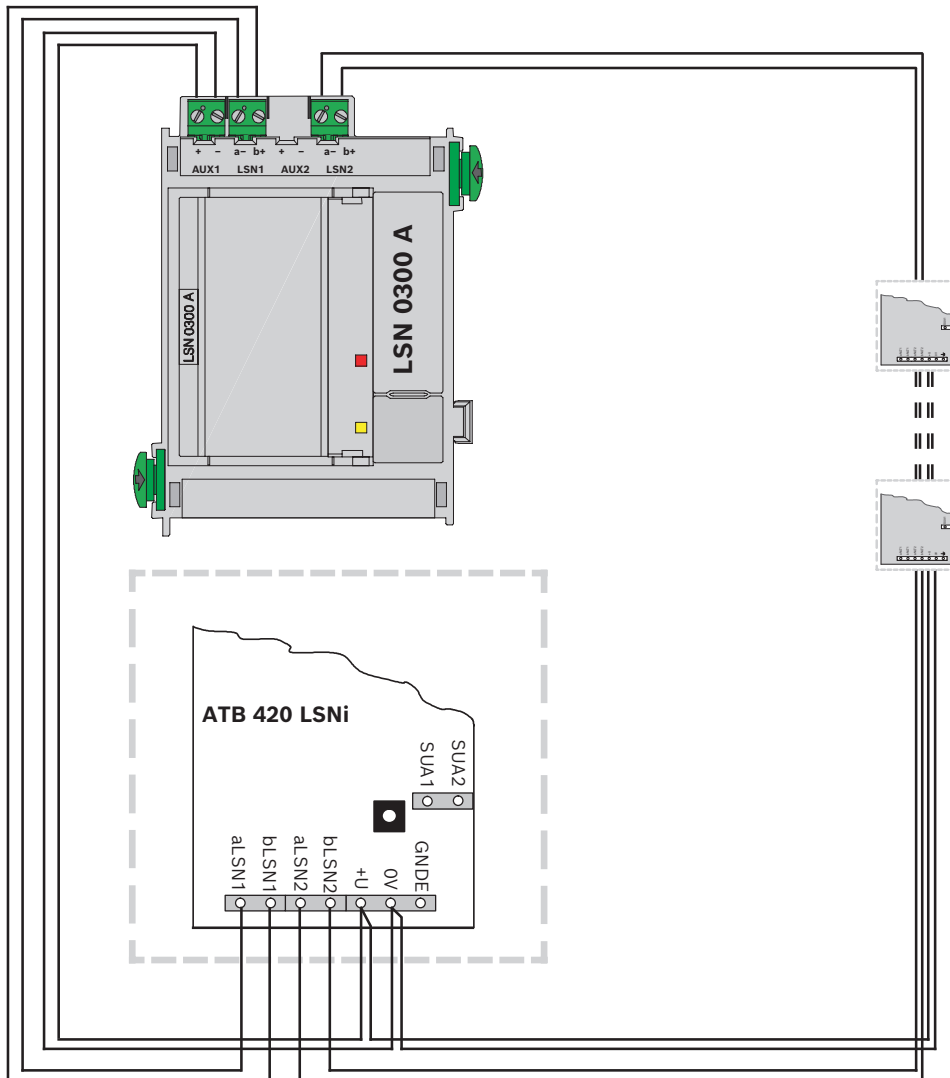
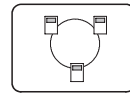
MS 400, MS 400 B  
 FAP-425-O, FAP-425-O-R  
 FAP-425-OT, FAP-425-OT-R  
 FAP-425-T-R  
 FAP-425-DO-R, FAP-425-DOT-R  
 FAP-425-DOTC-R, FAP-425-DOTCO-R





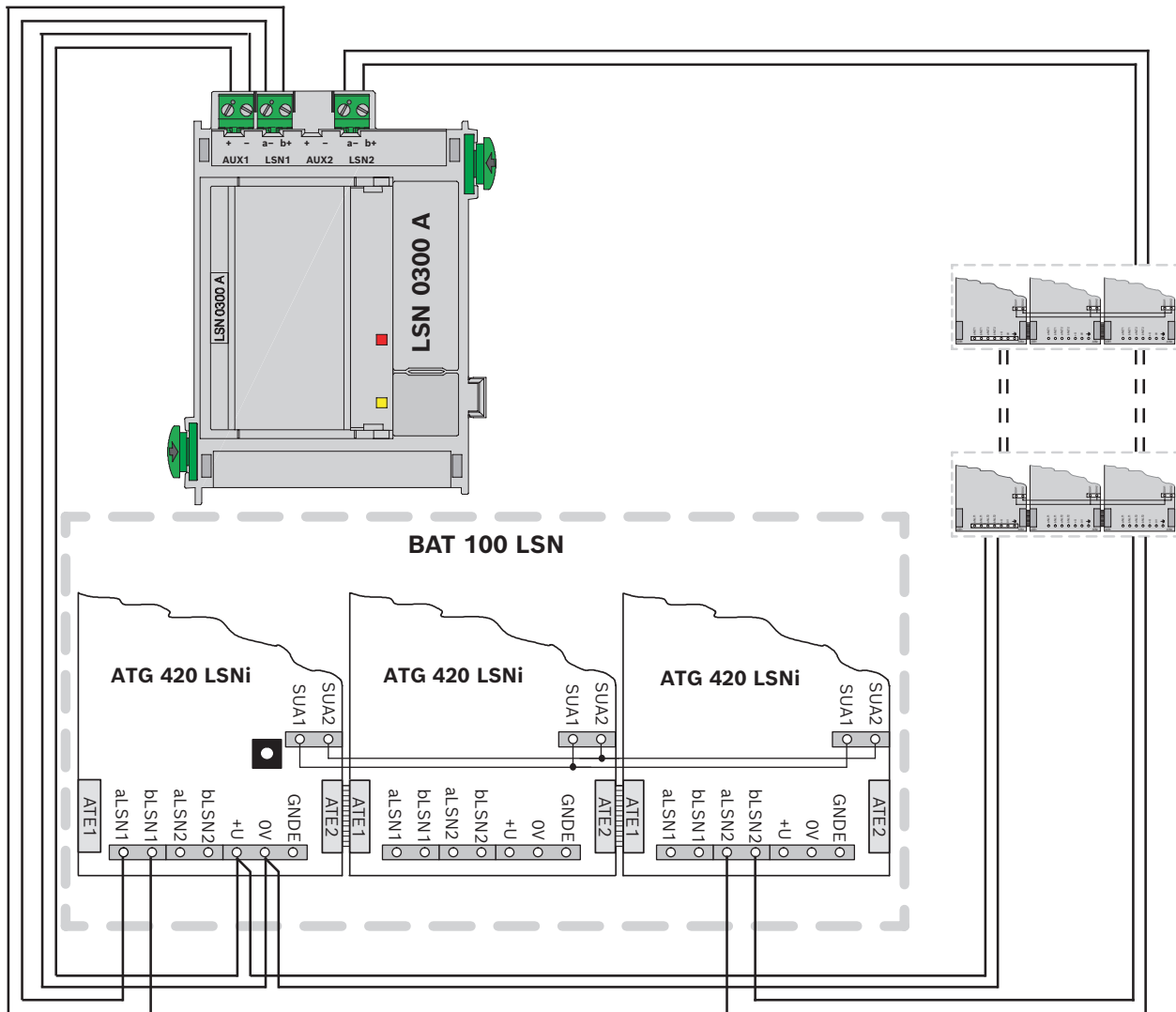
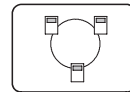


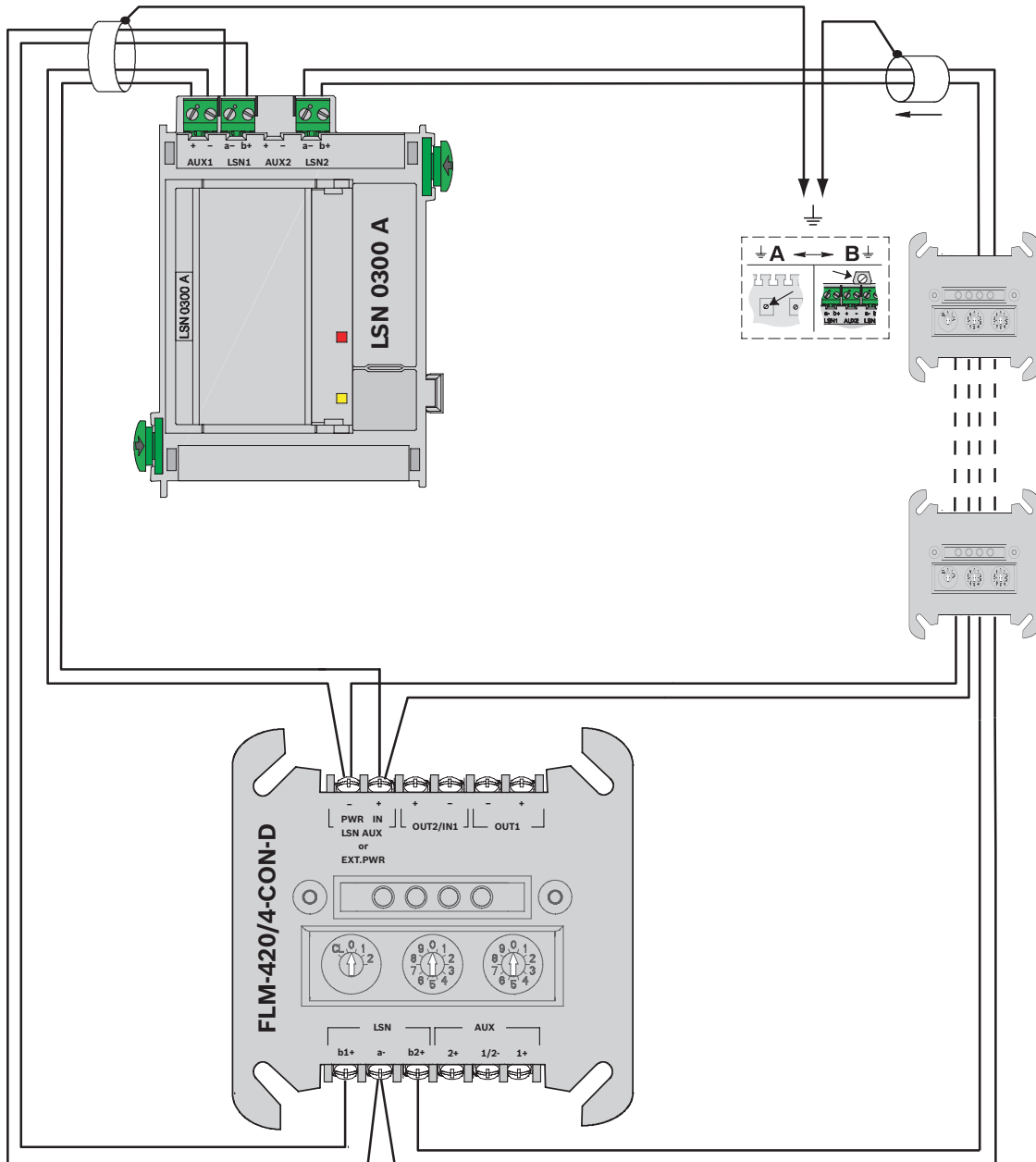
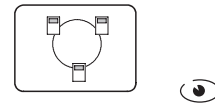
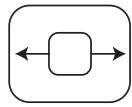
ATB 420 LSNi





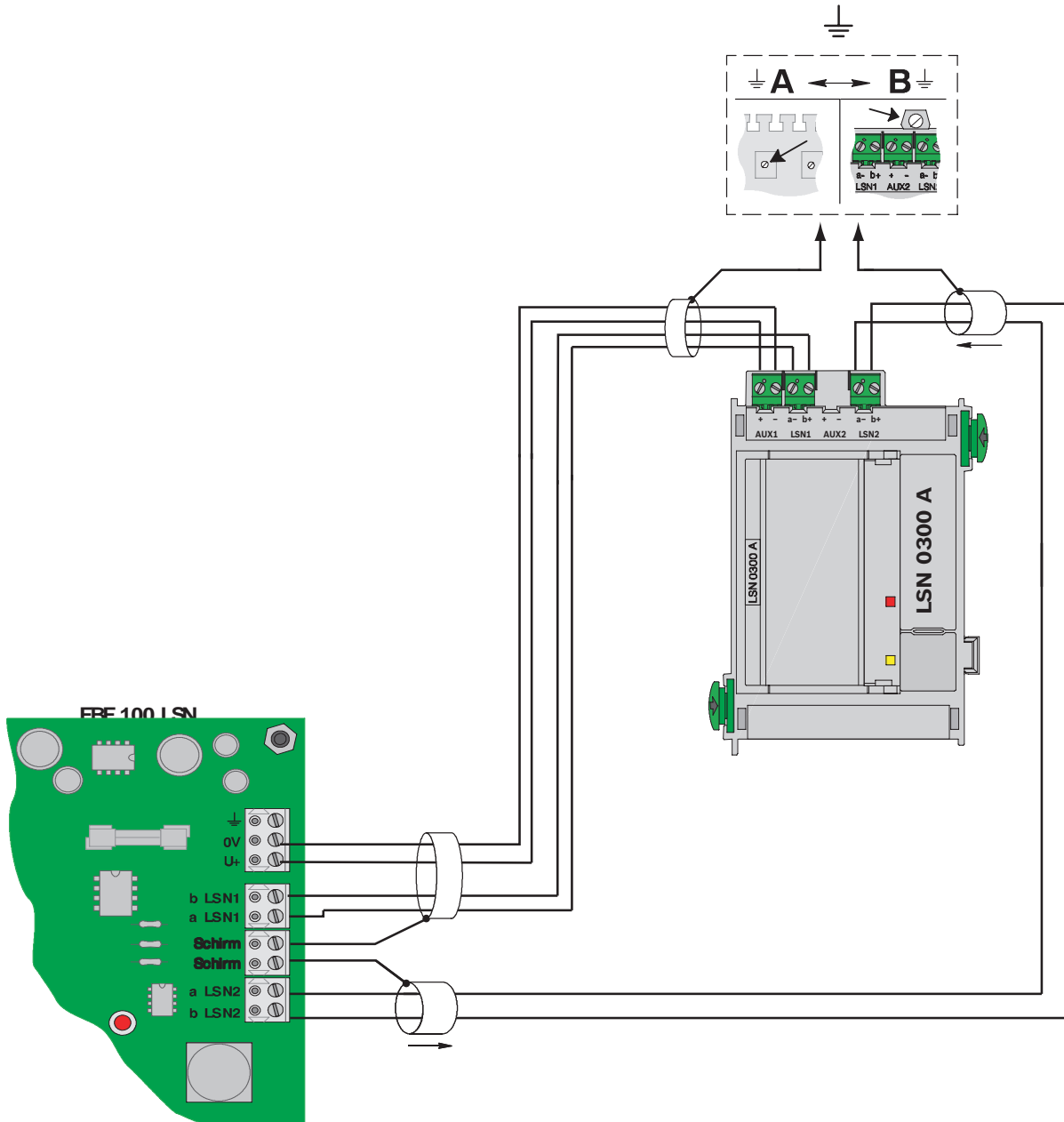
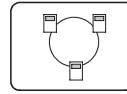
**BAT 100 LSN**  
**ATG 420 LSNi**



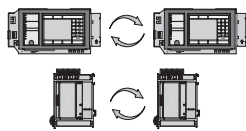




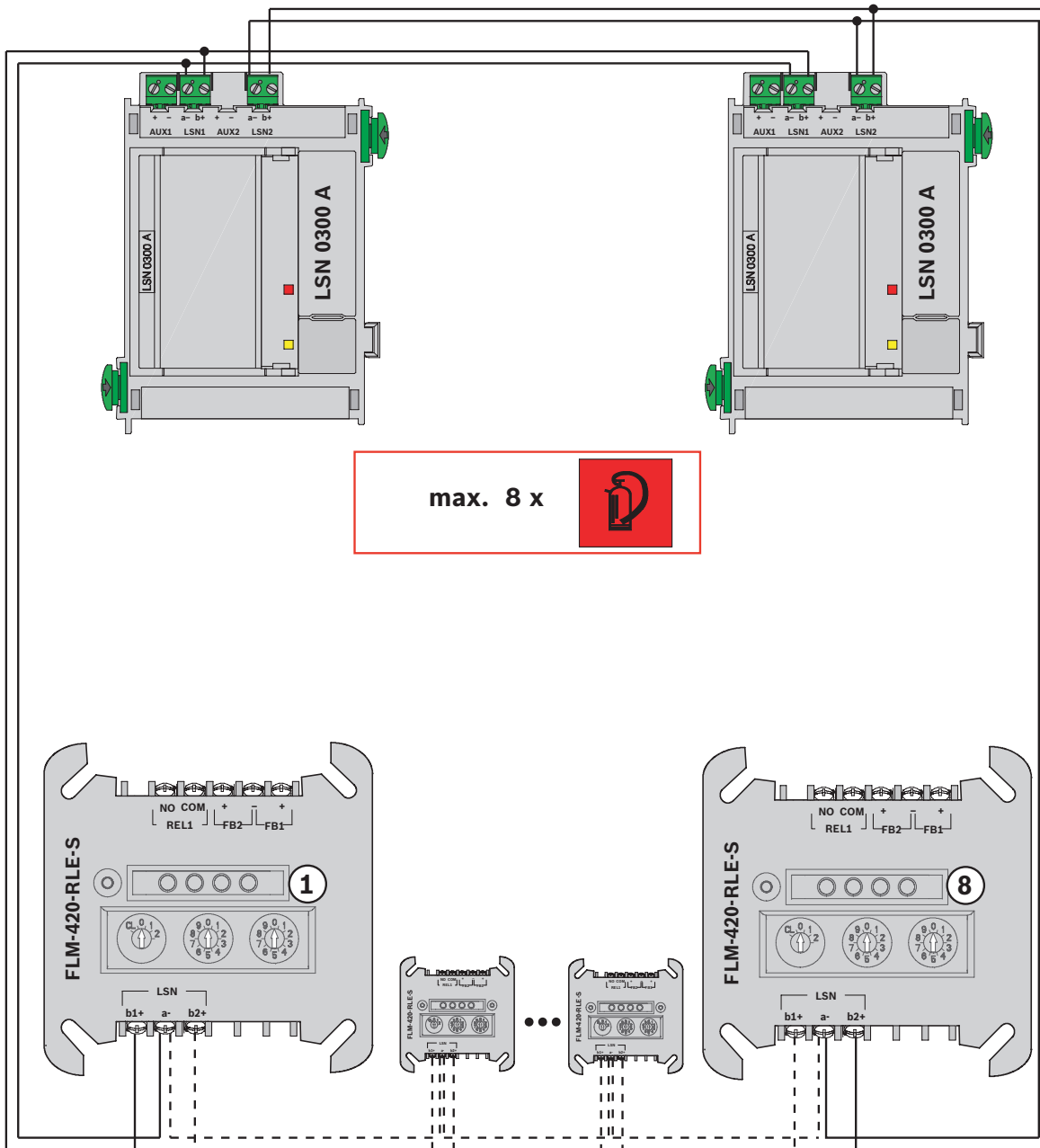
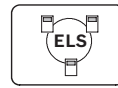
FBF 100 LSN





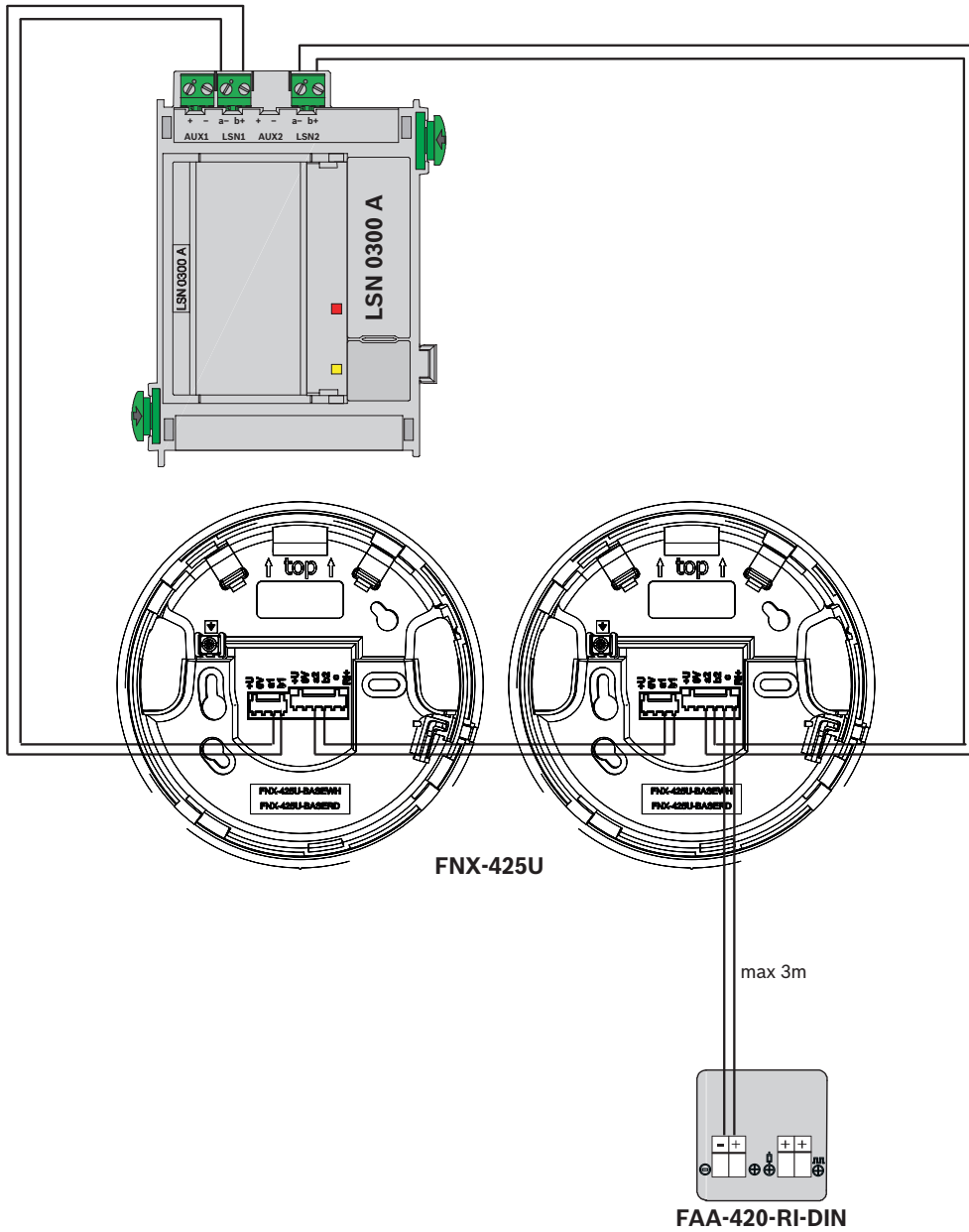
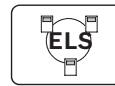


FLM-420-RLE-S



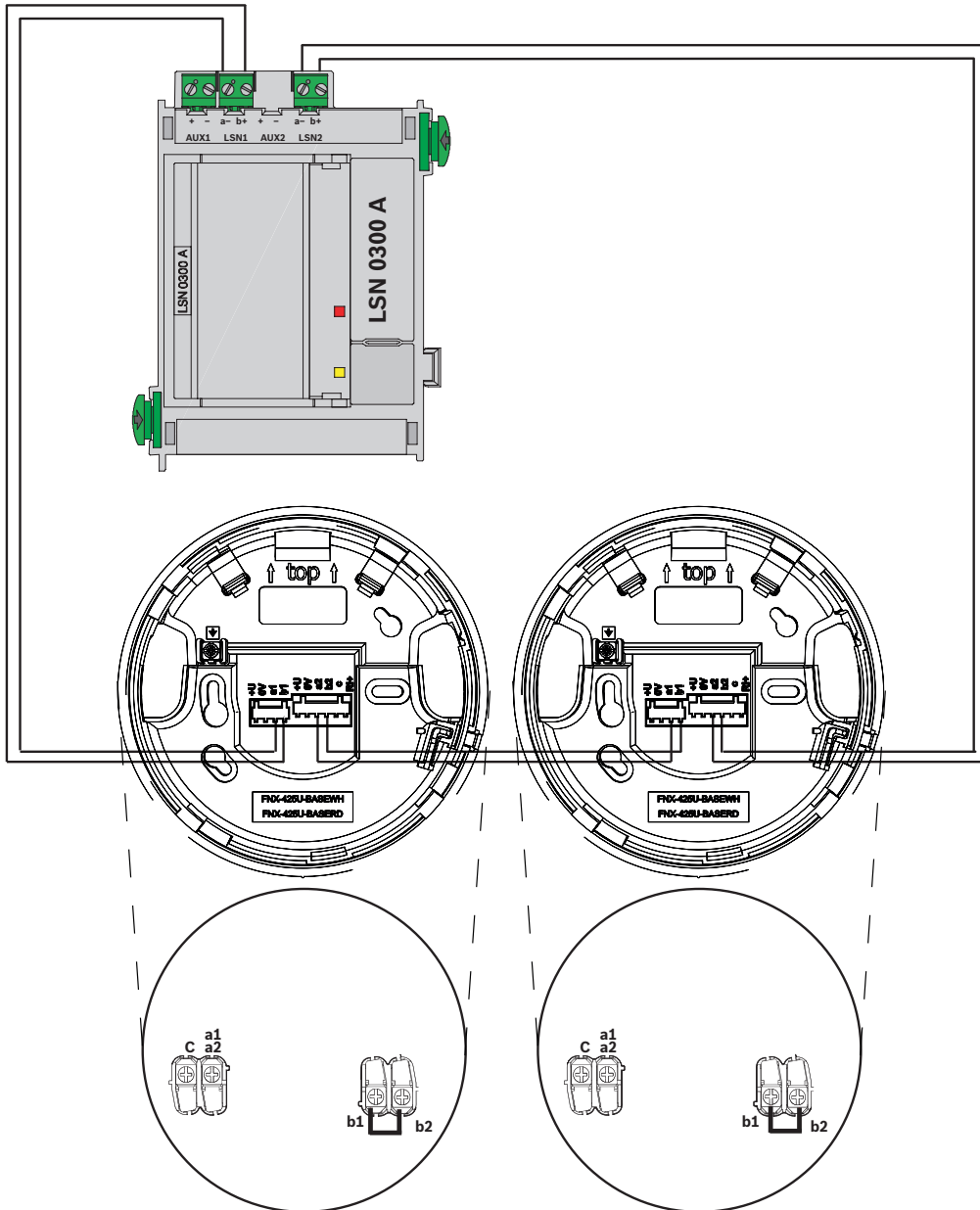
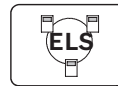


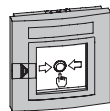
**FNX-425U-WFWH**  
**FNX-425U-RFWH**  
**FNX-425U-WFRD**  
**FNX-425U-RFRD**



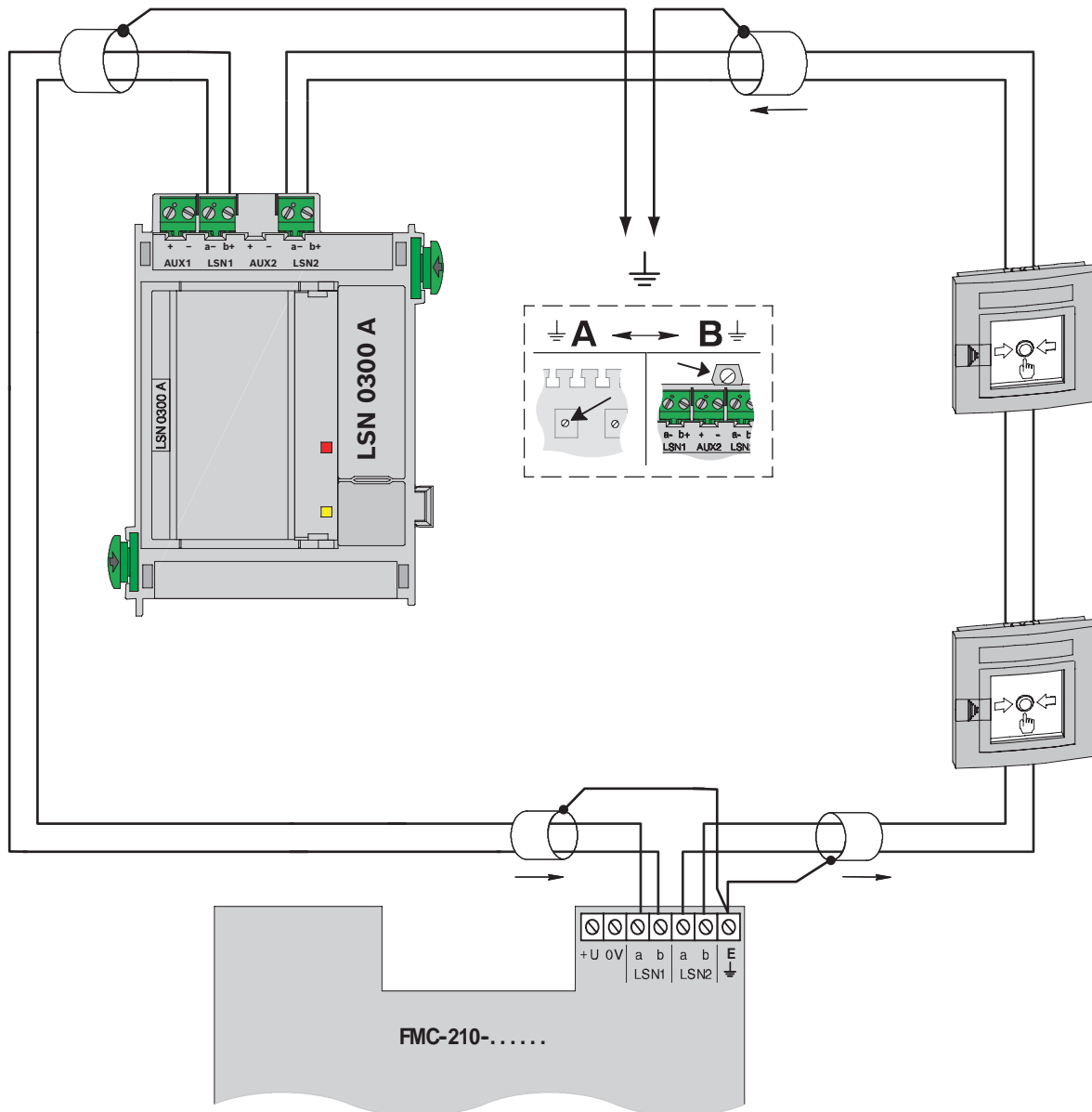
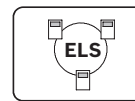


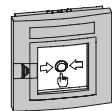
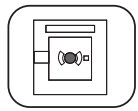
**FNX-425U-WFWH**  
**FNX-425U-RFWH** + **FNX-425U-COVWH**  
**FNX-425U-WFRD**  
**FNX-425U-RFRD**



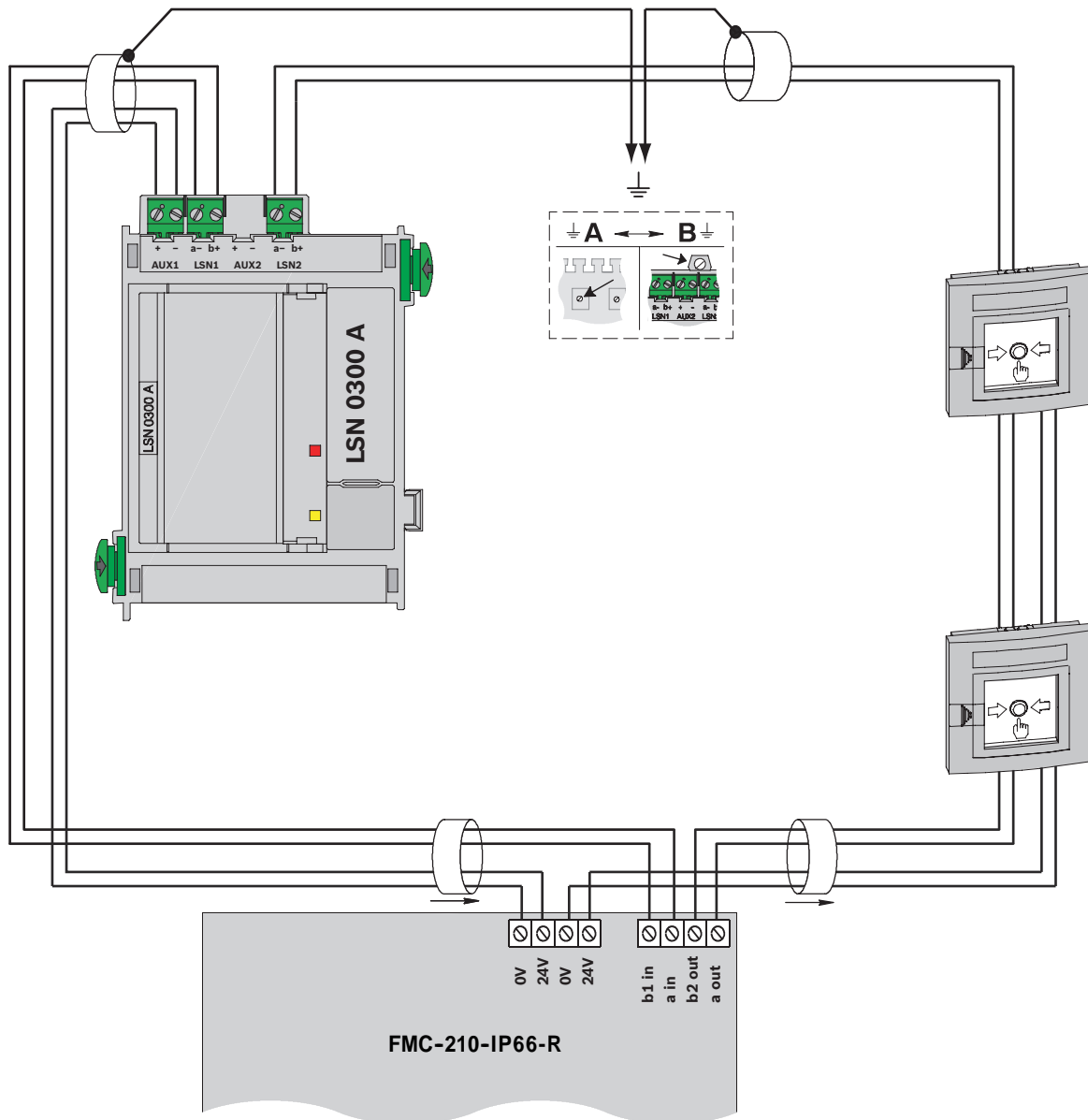
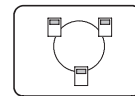


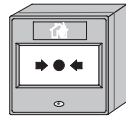
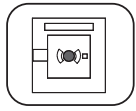
FMC-210...



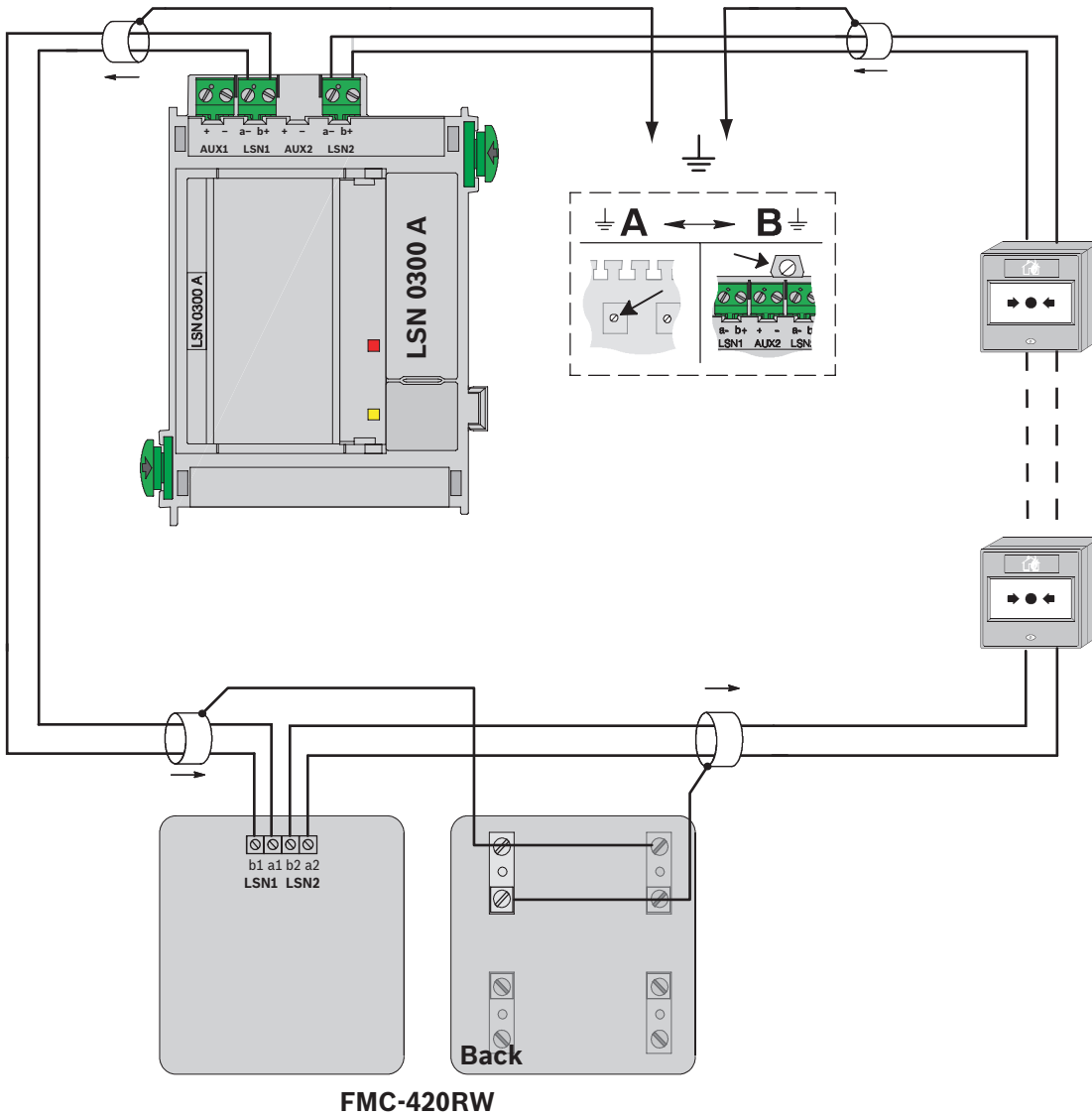
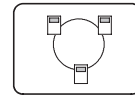


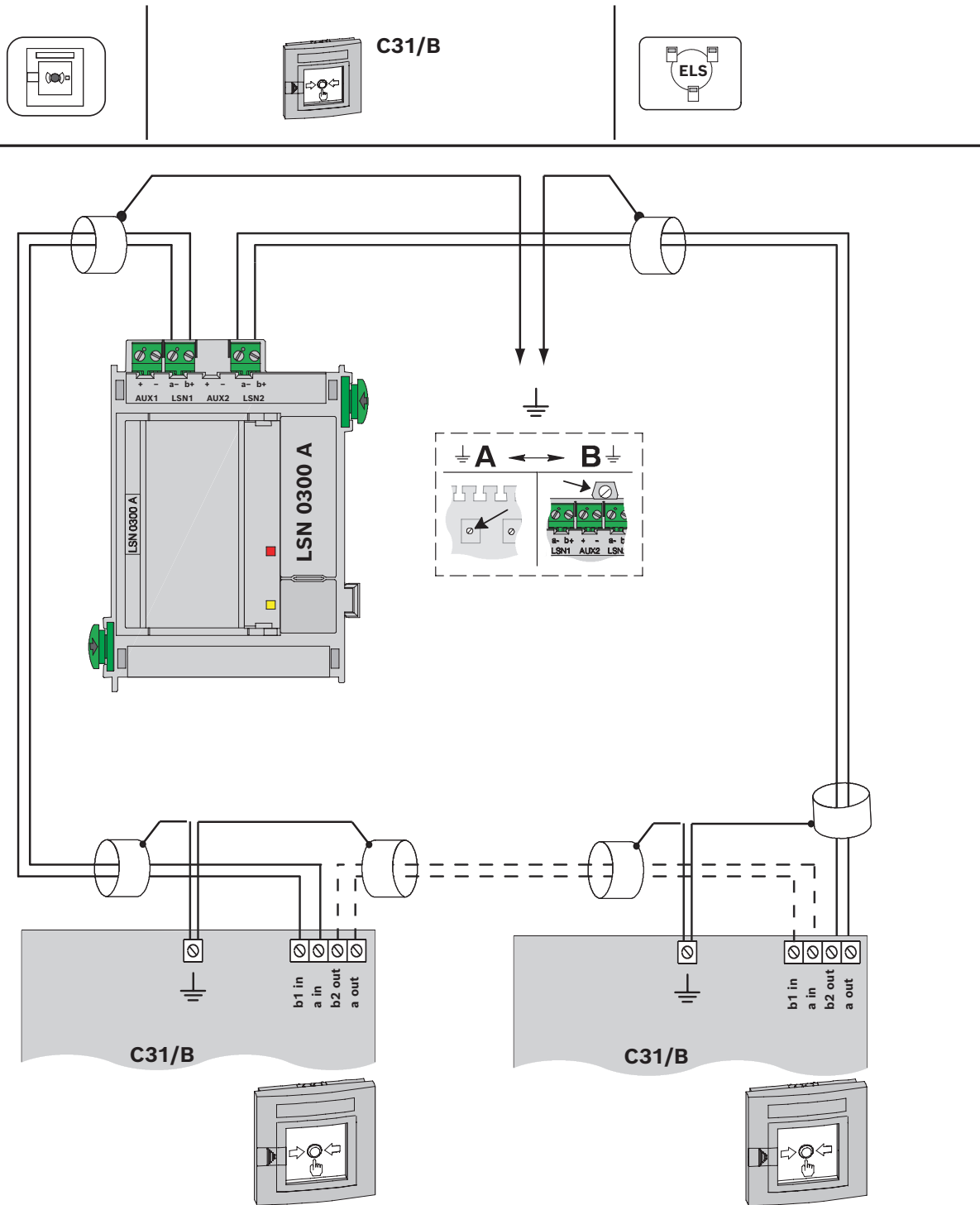
**FMC-210-IP66-R**

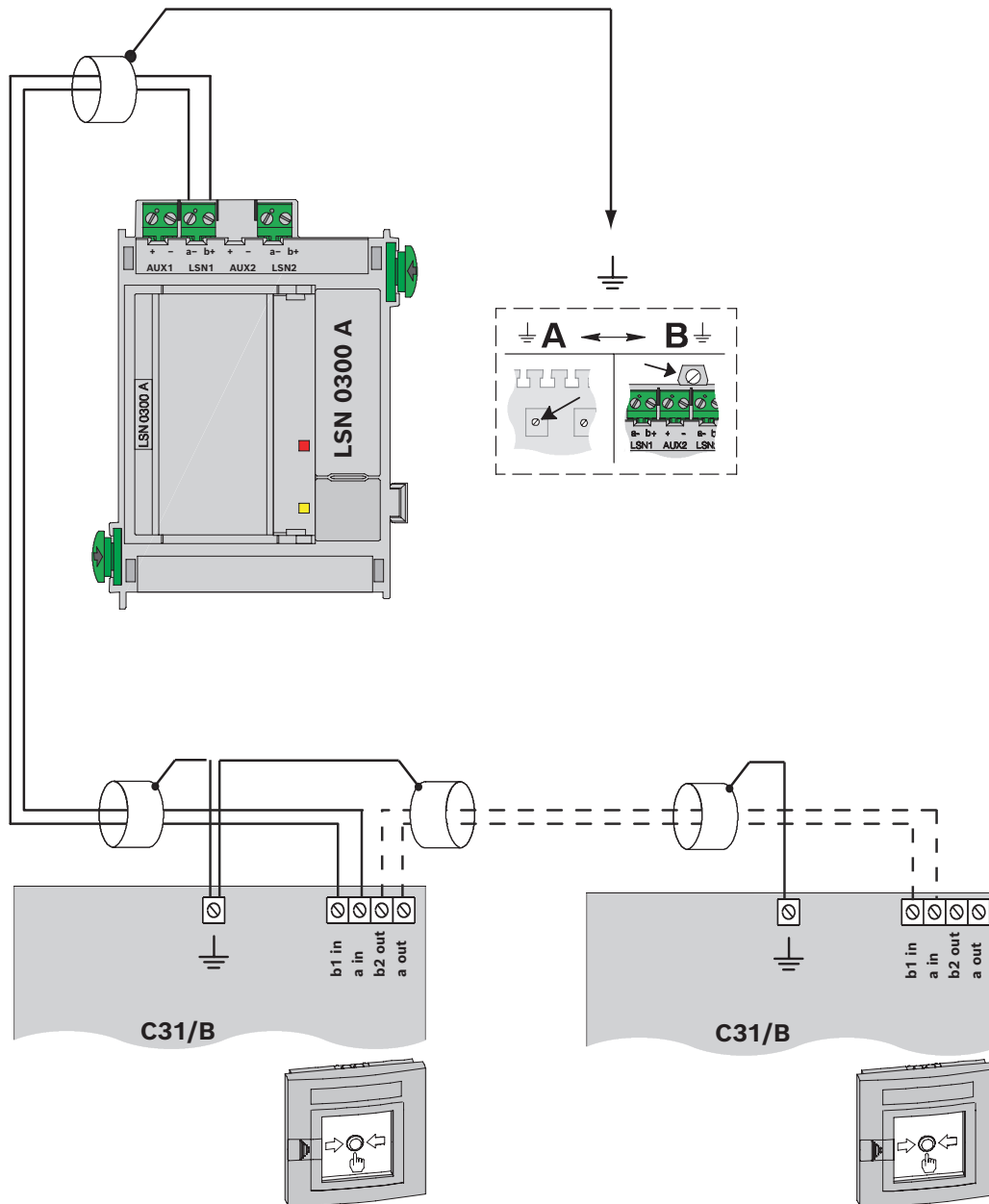
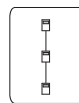
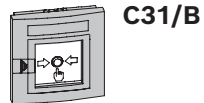




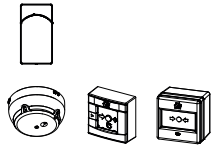
FMC-420RW-HSGRD  
 FMC-420RW-HSRRD  
 FMC-420RW-GFGRD  
 FMC-420RW-GFRRD  
 FMC-420RW-GSGRD  
 FMC-420RW-GSRRD





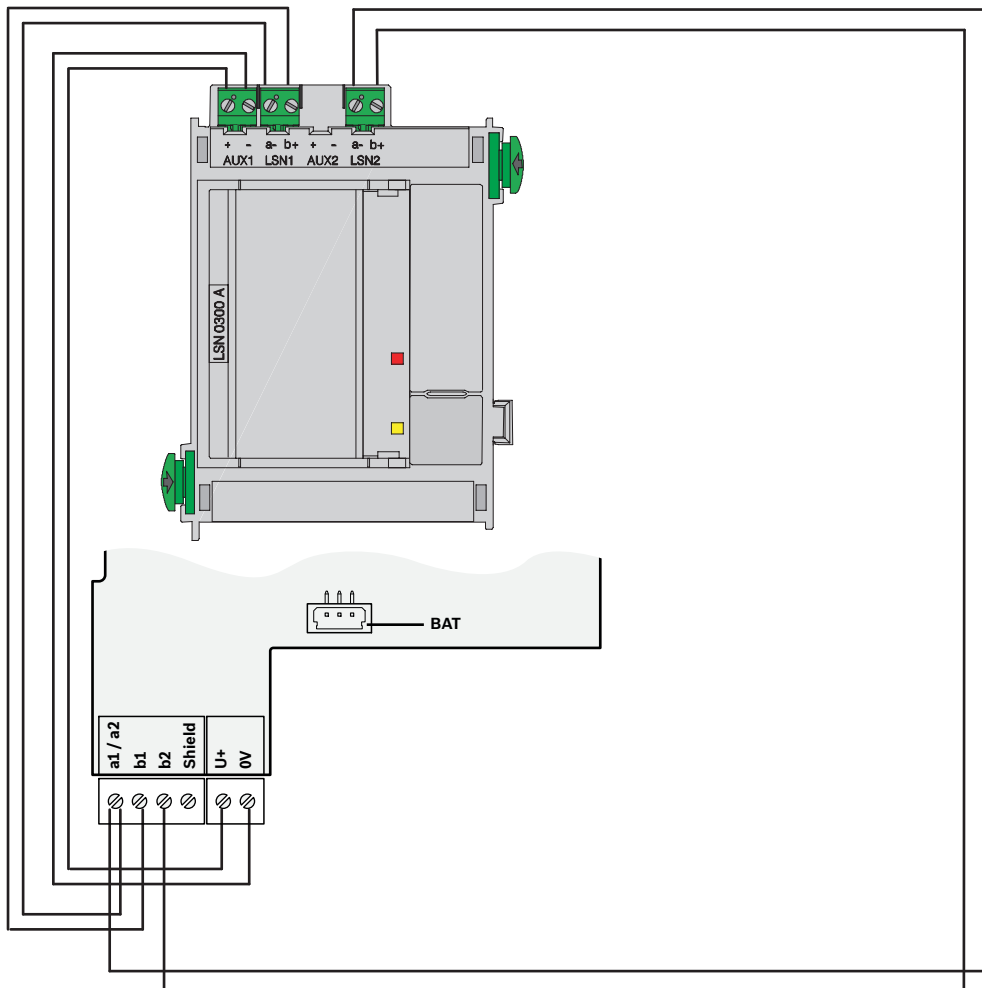
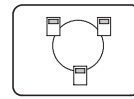






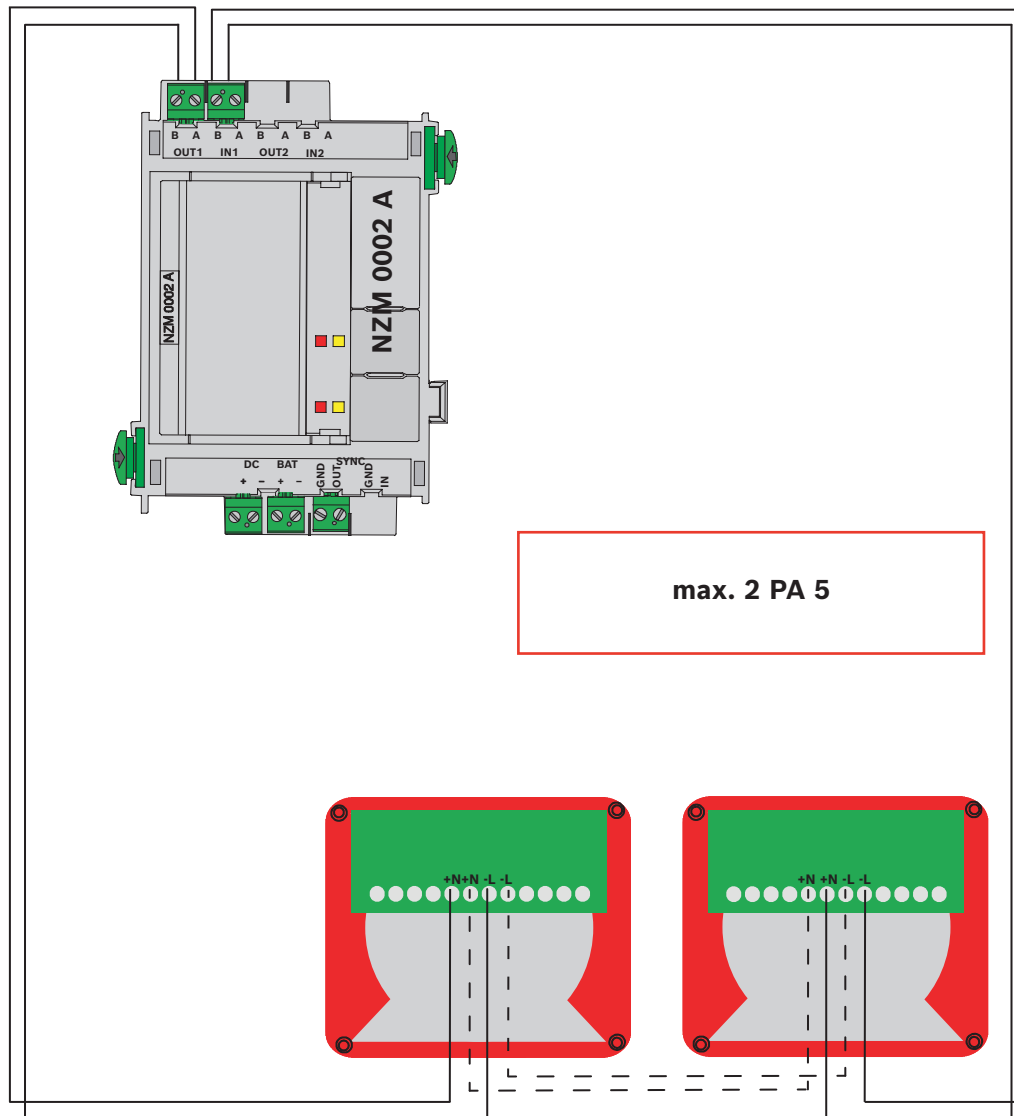
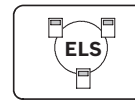
**FWI-270**

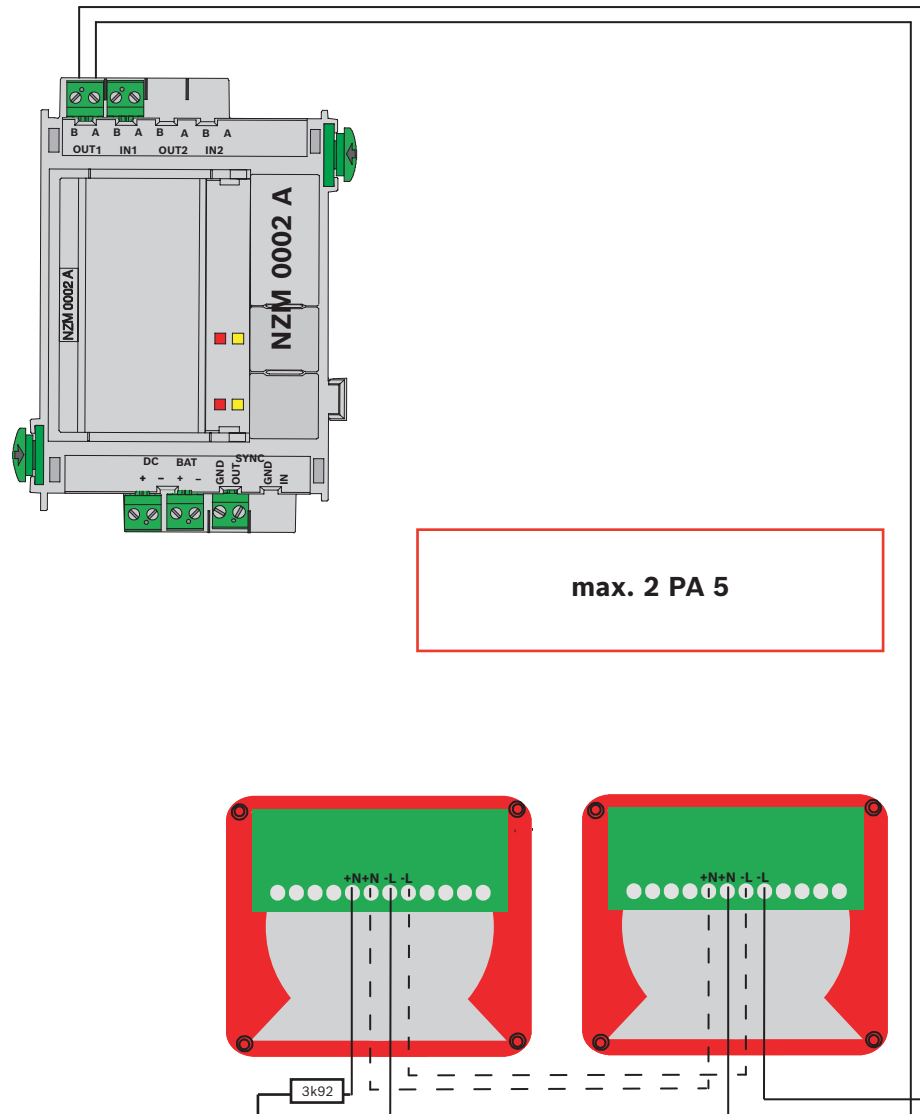
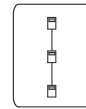
**FDOOT271-O**  
**FDM275-O**  
**FDM273-O**

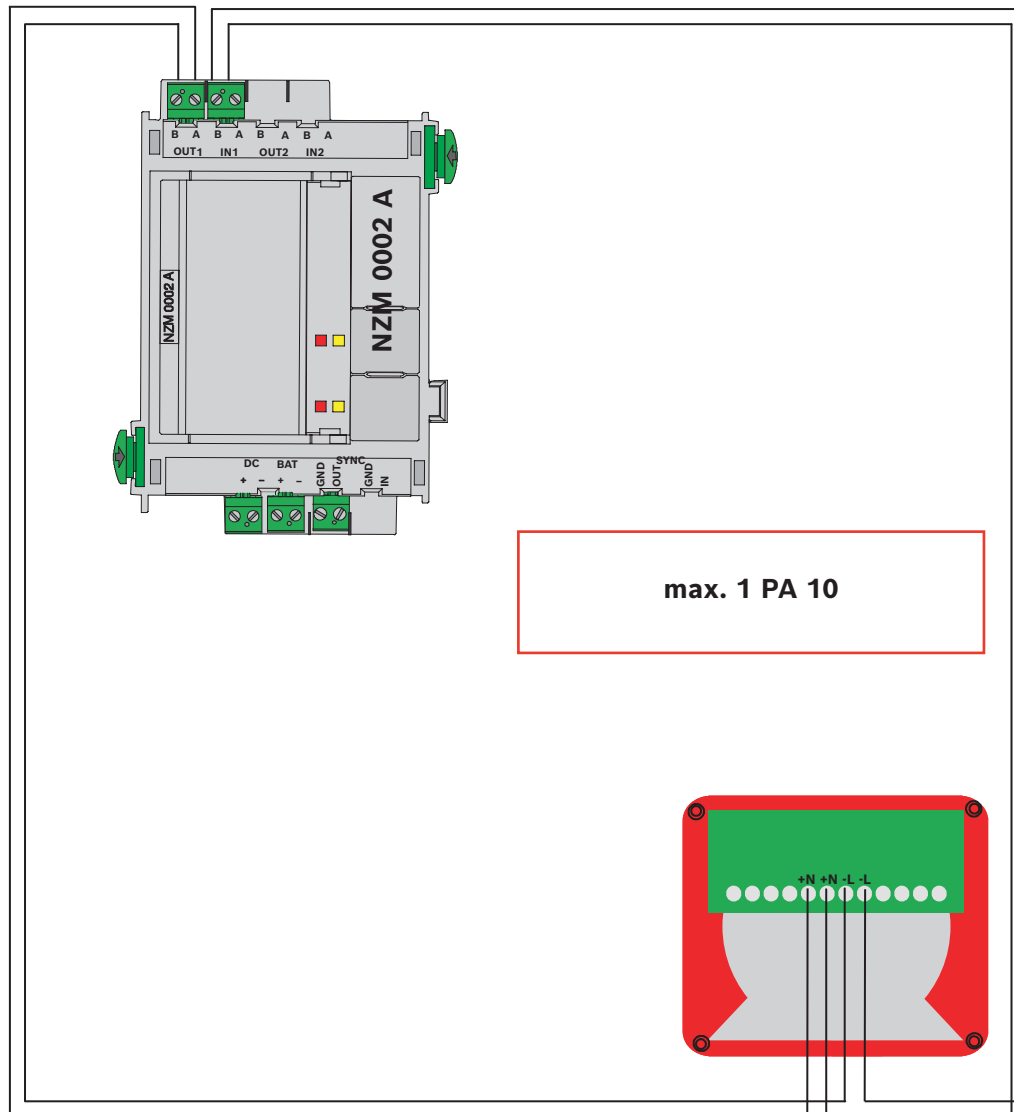
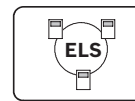


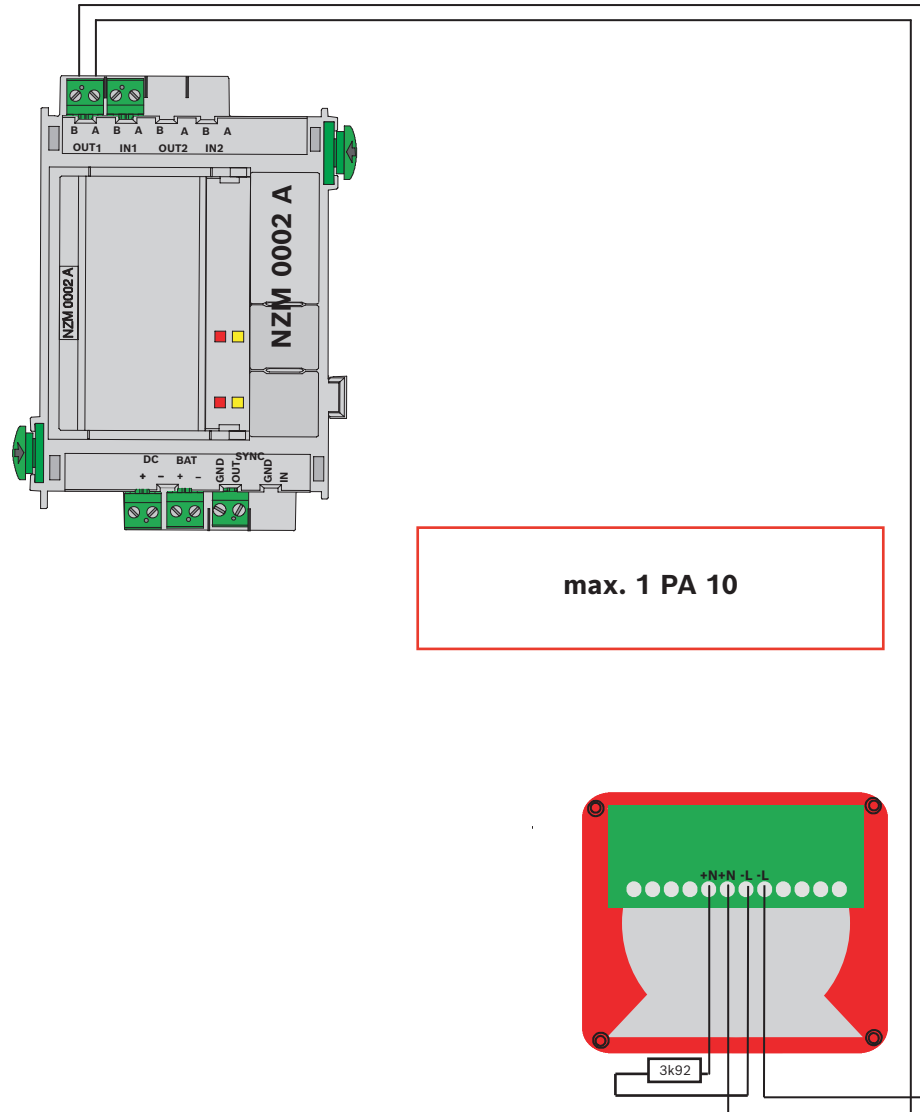
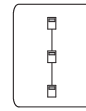
2.4.5

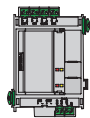
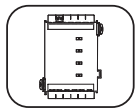
NZM 0002 A



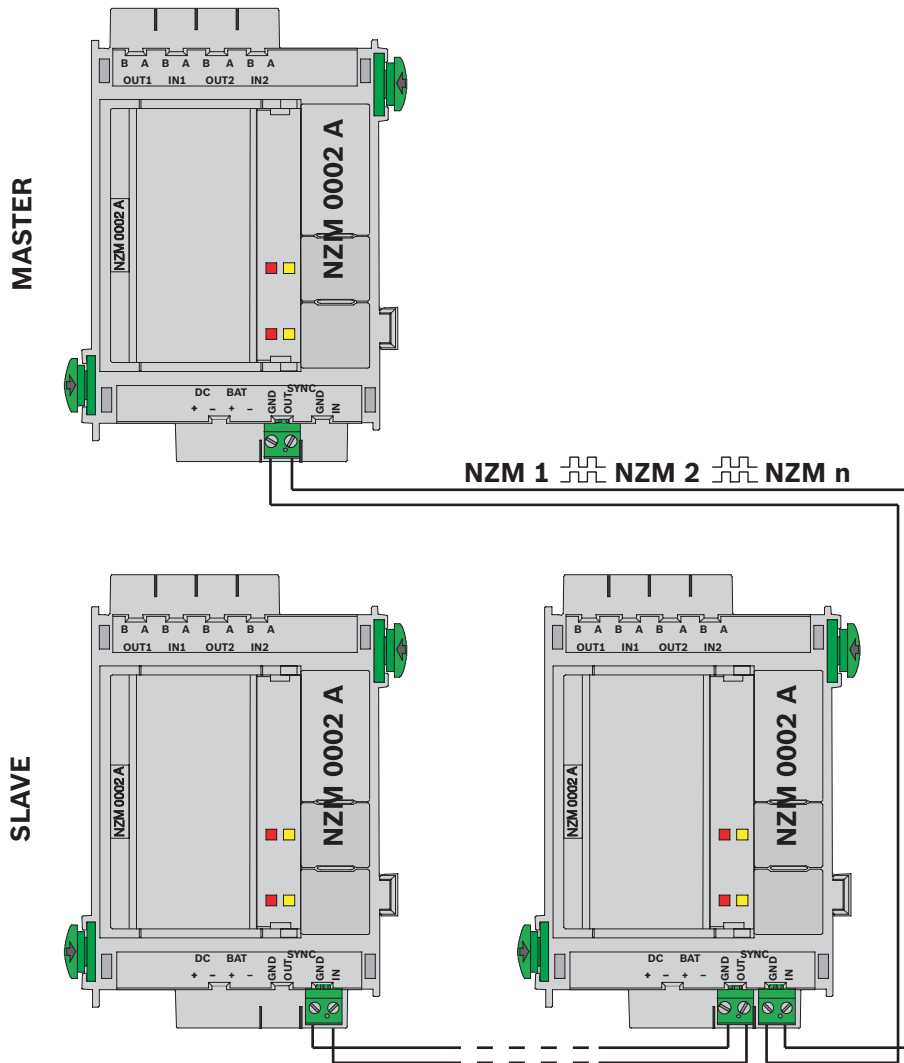


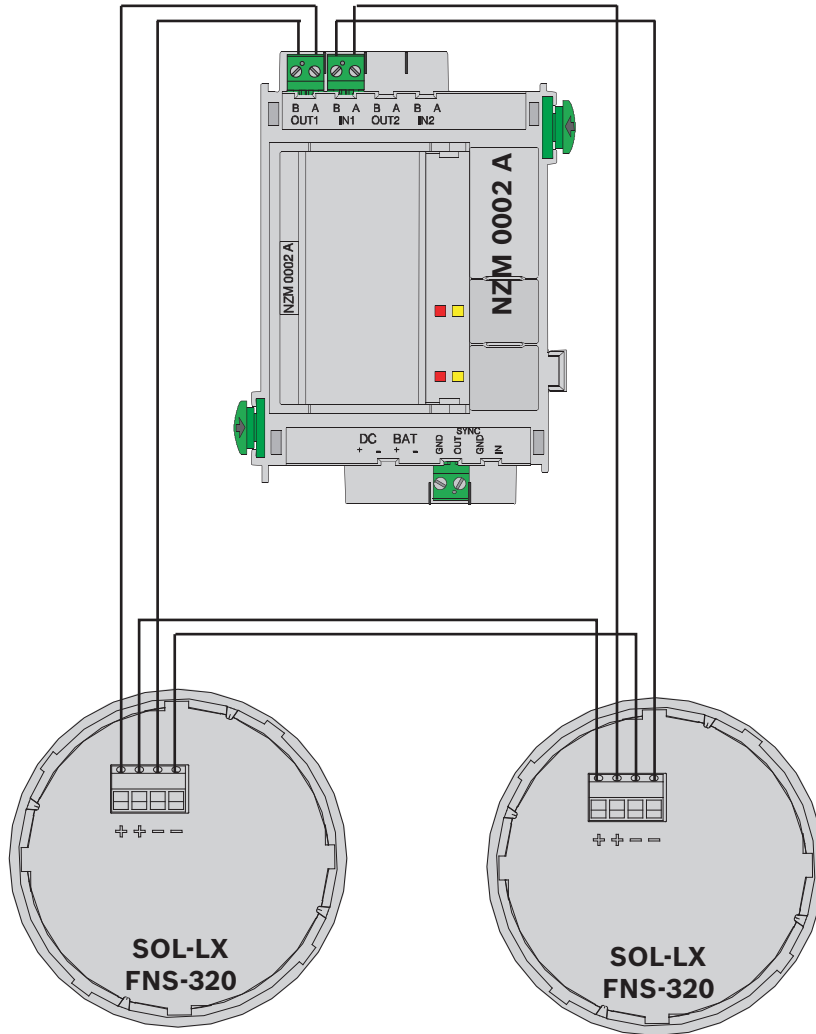
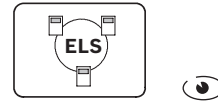


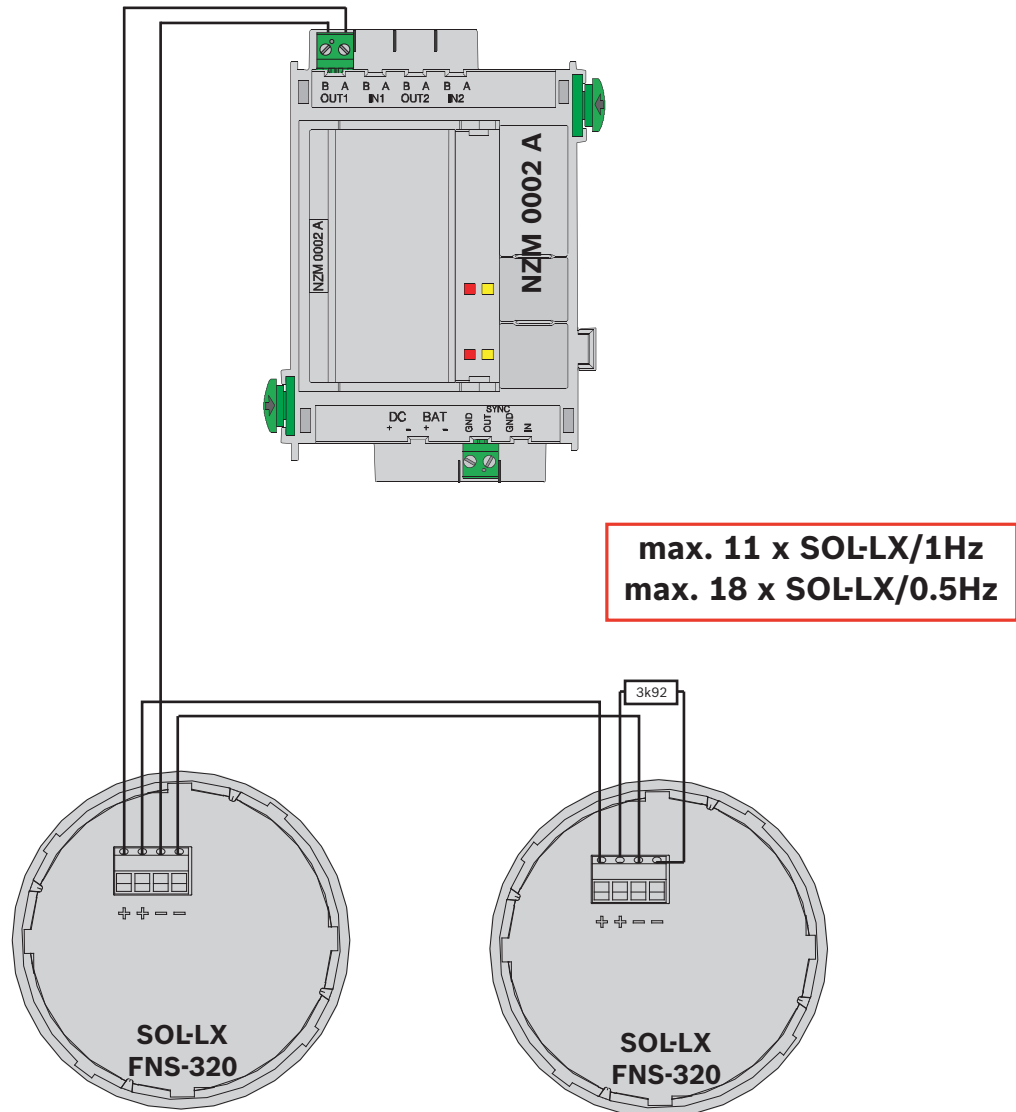
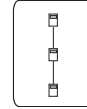




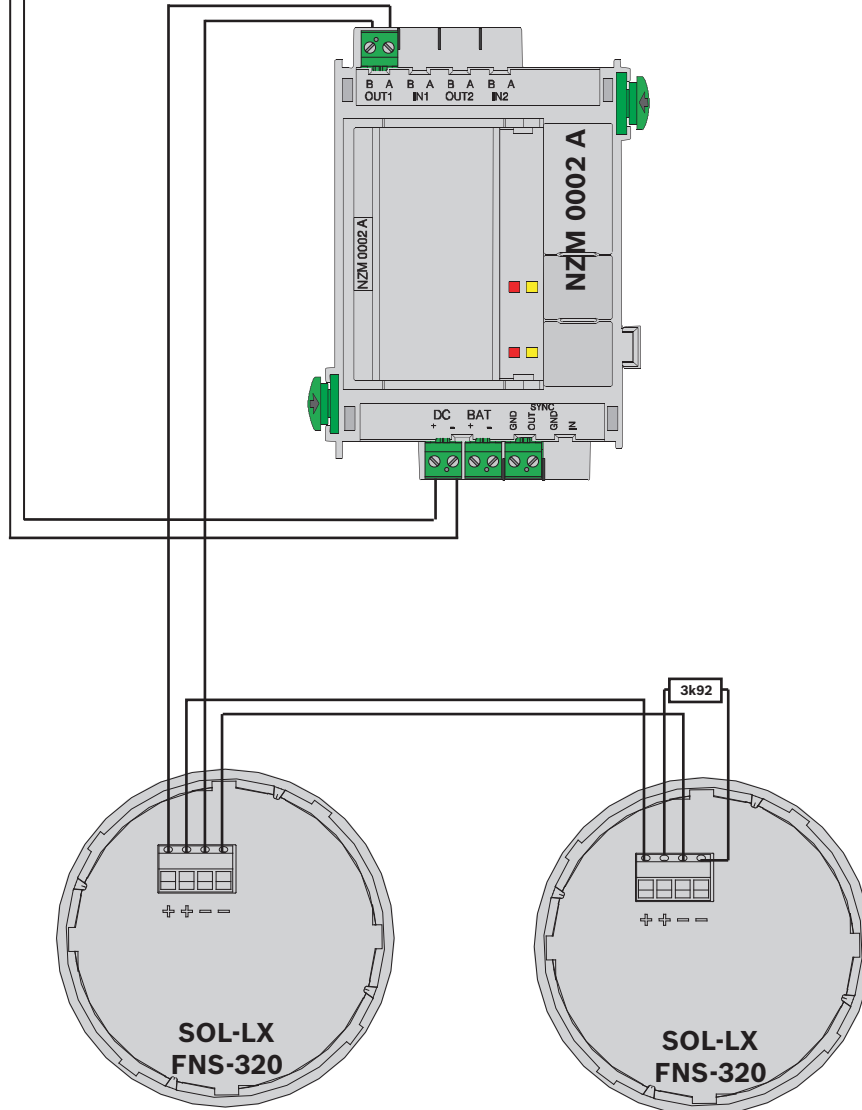
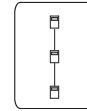
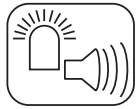
NZM 0002 A

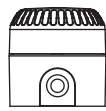




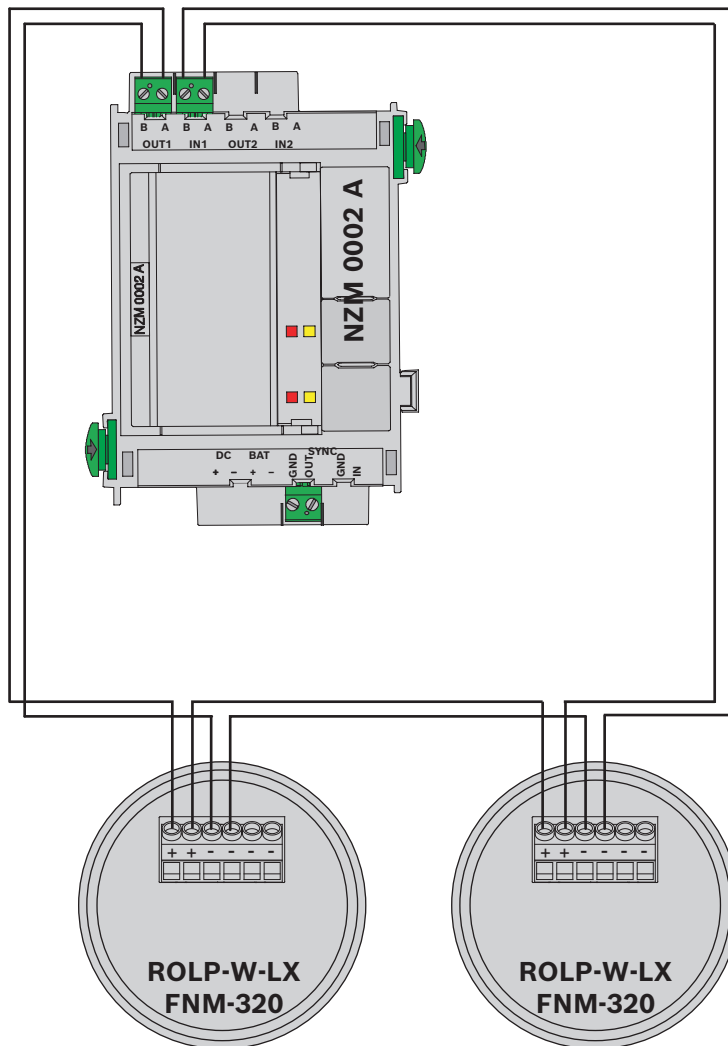
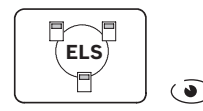


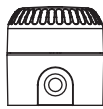




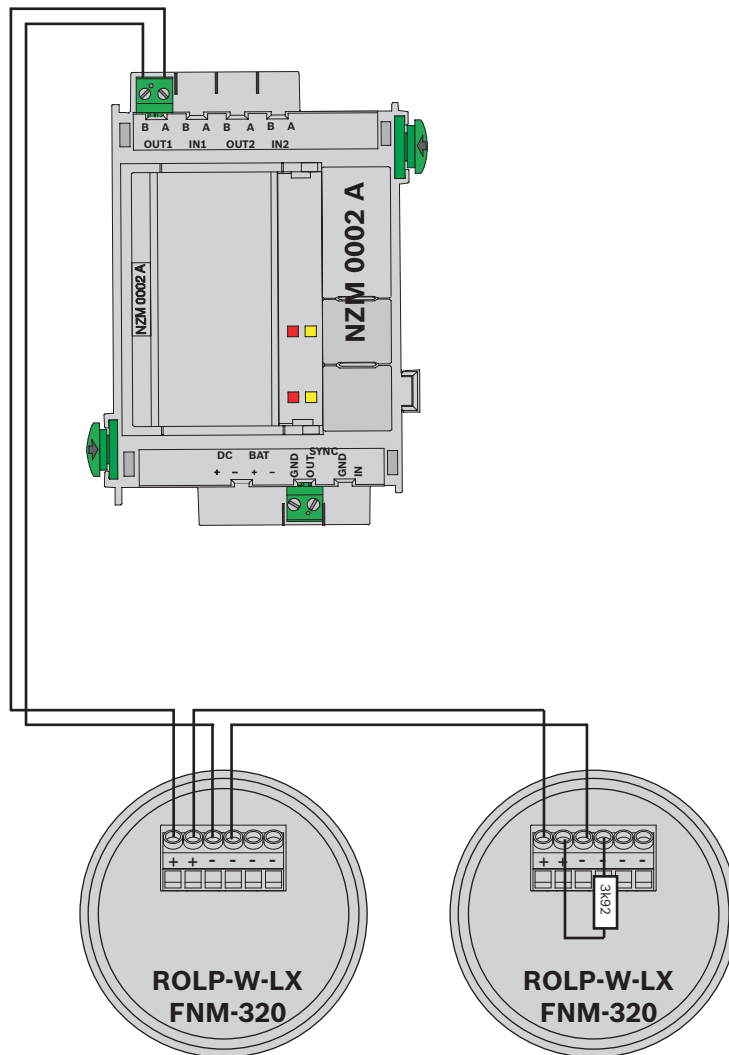
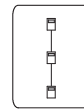


**ROLP-W-LX  
FNM-320**



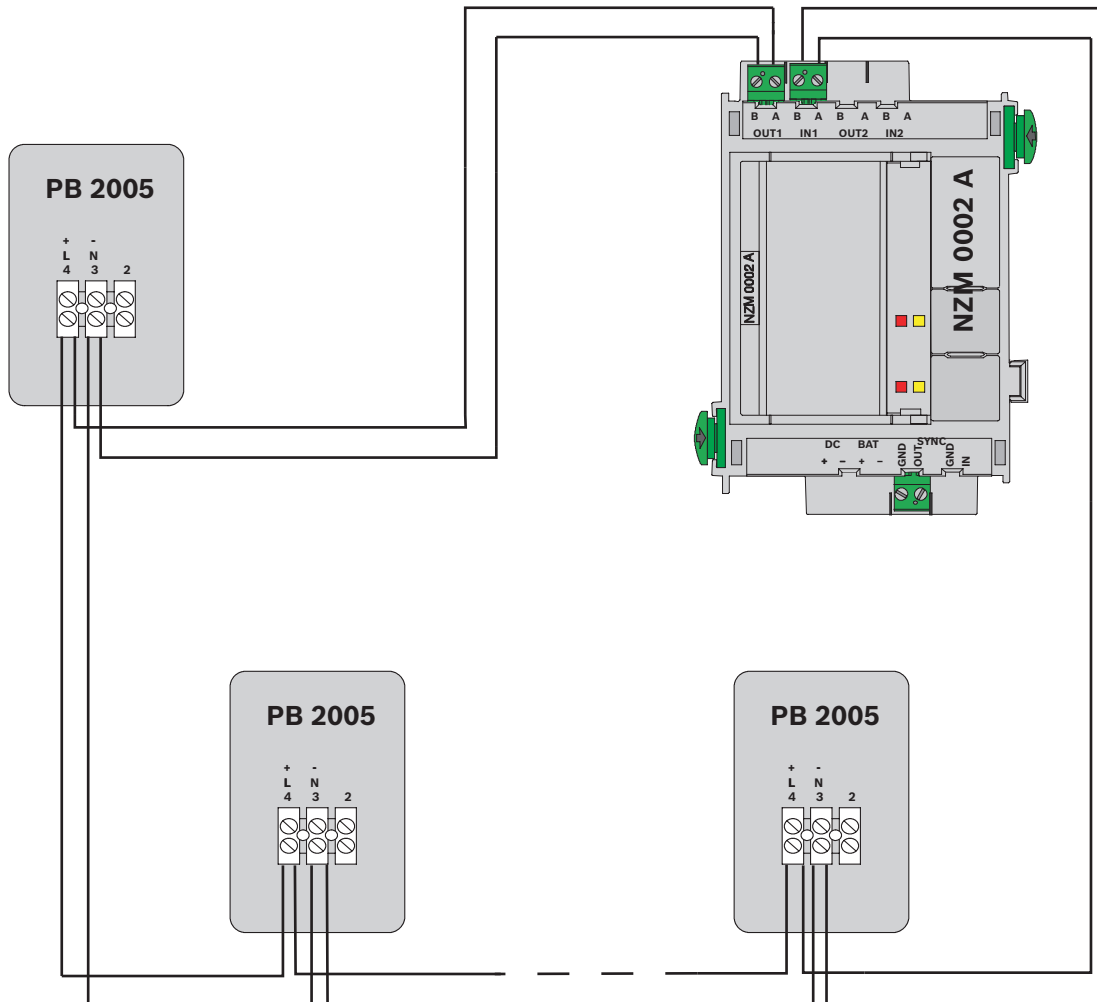
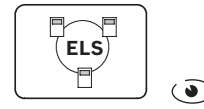


**ROLP-W-LX  
FNM-320**



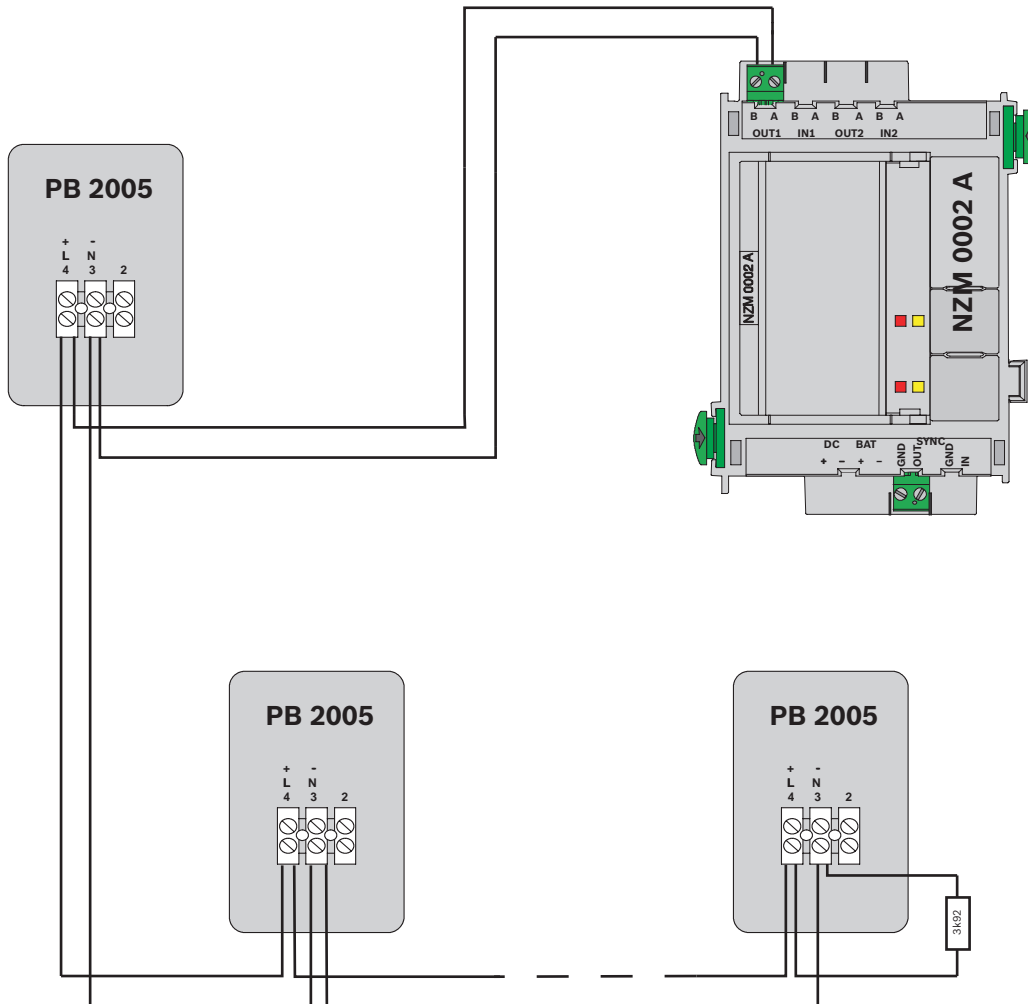
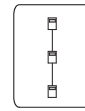


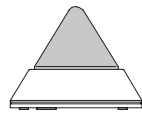
PB 2005



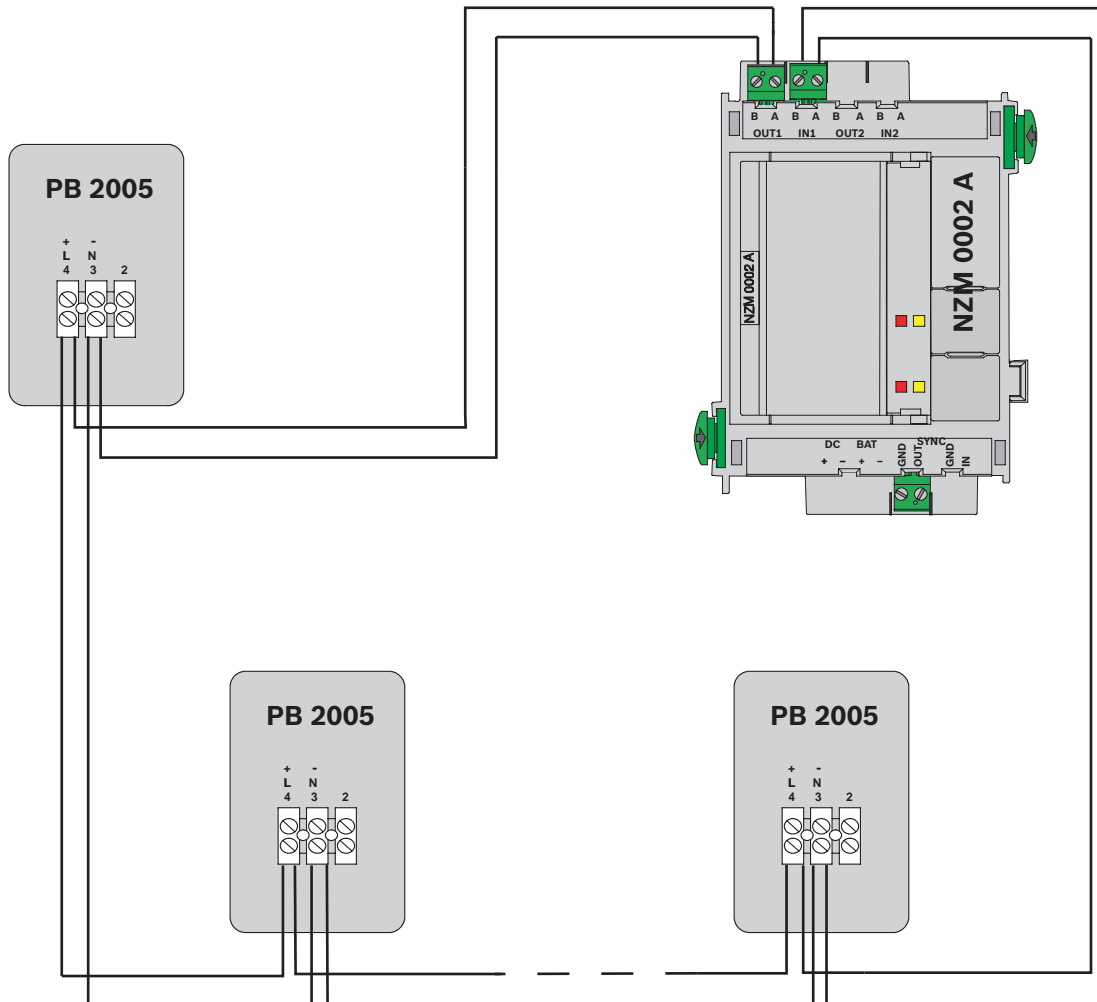
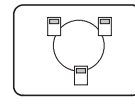


**PB 2005**



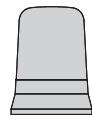
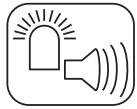


PB 2005

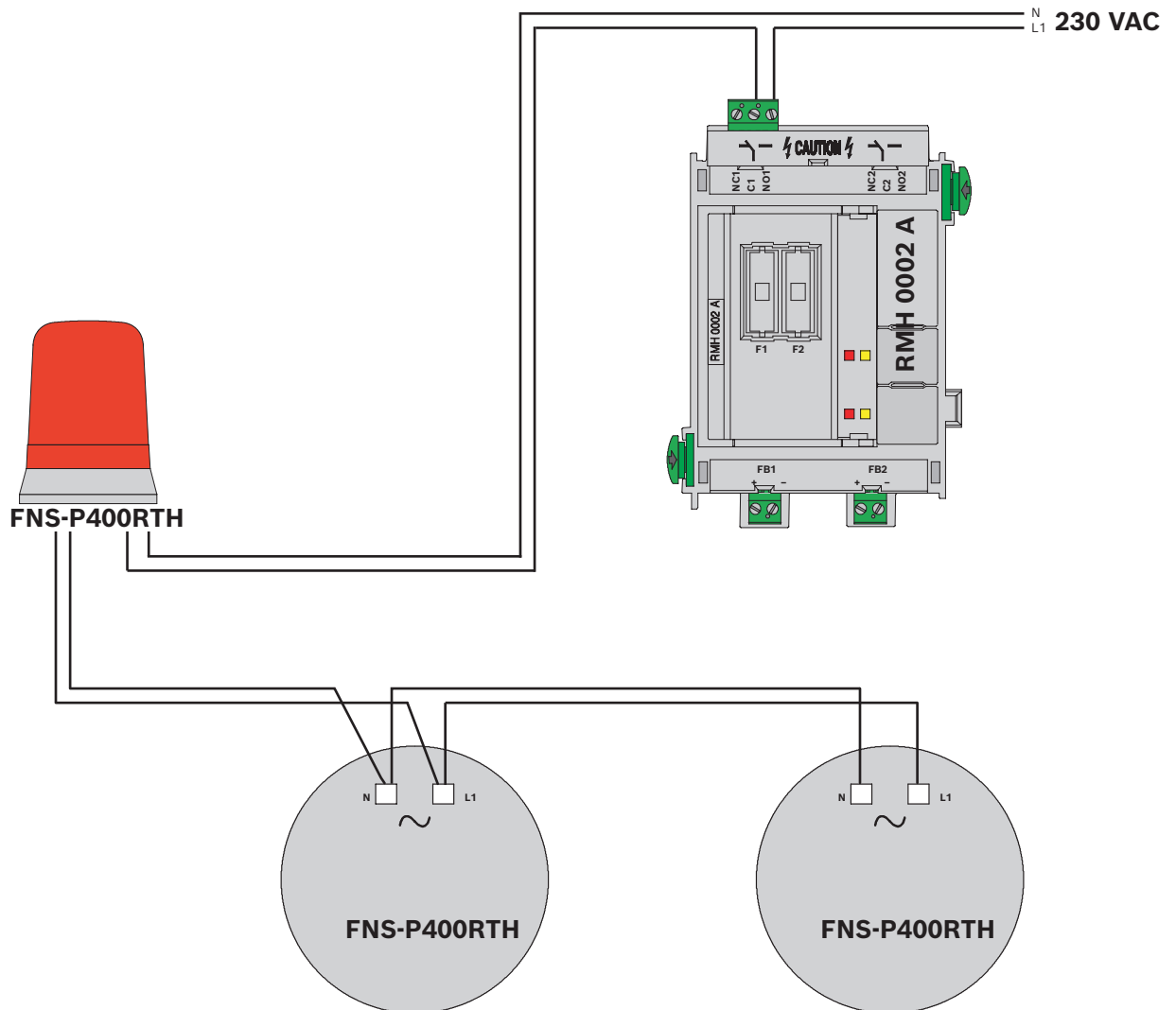
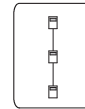


2.4.6

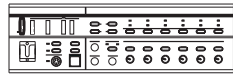
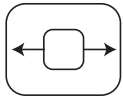
RMH 0002 A



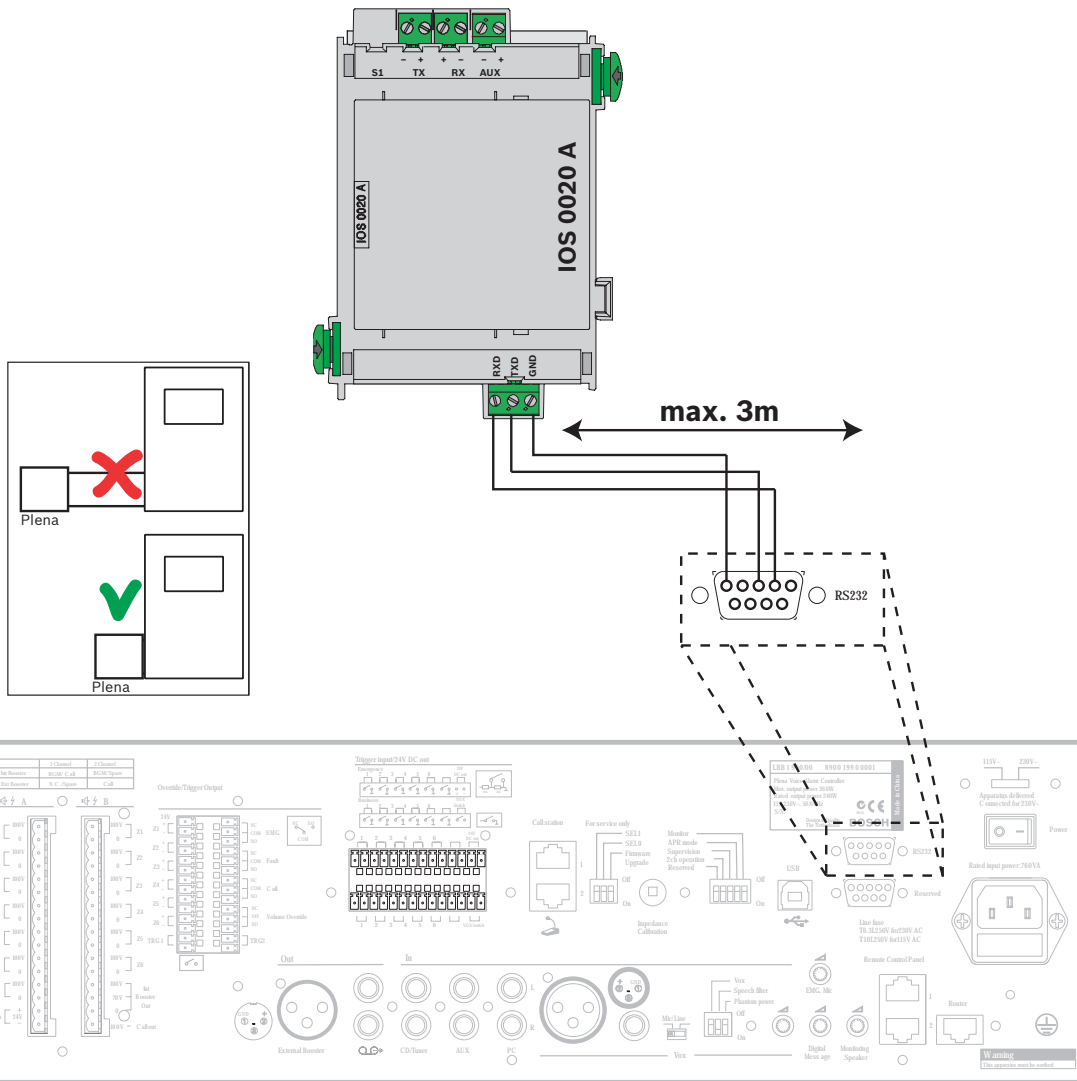
FNS-P400RTH



### 2.4.7 IOS 0020 A



Plena



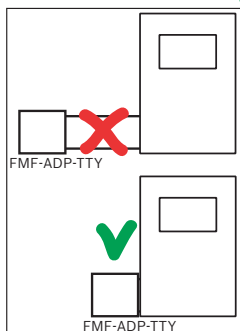
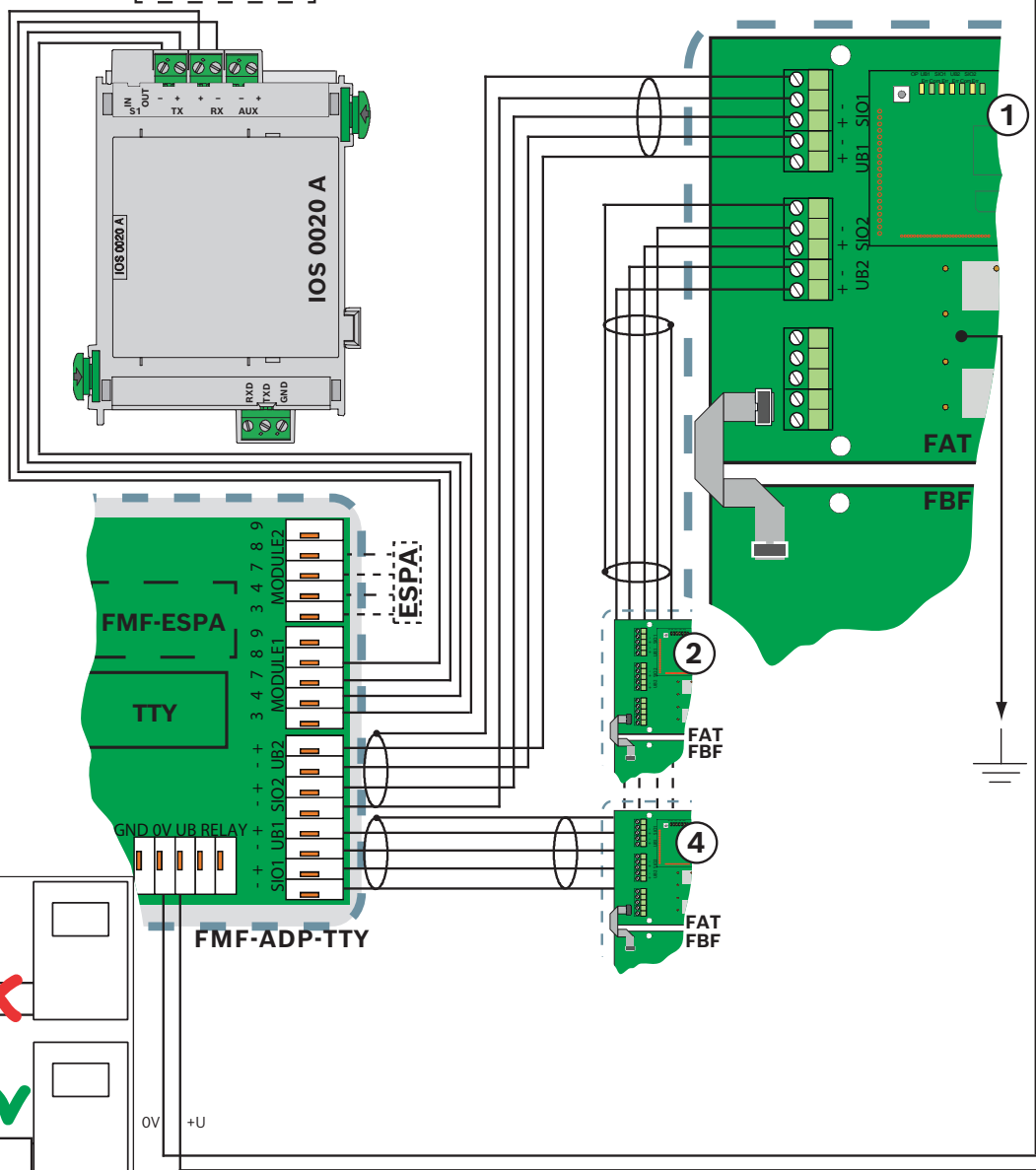
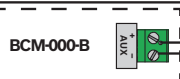




FAT4000 FBF4000 ADP4000

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

ELS

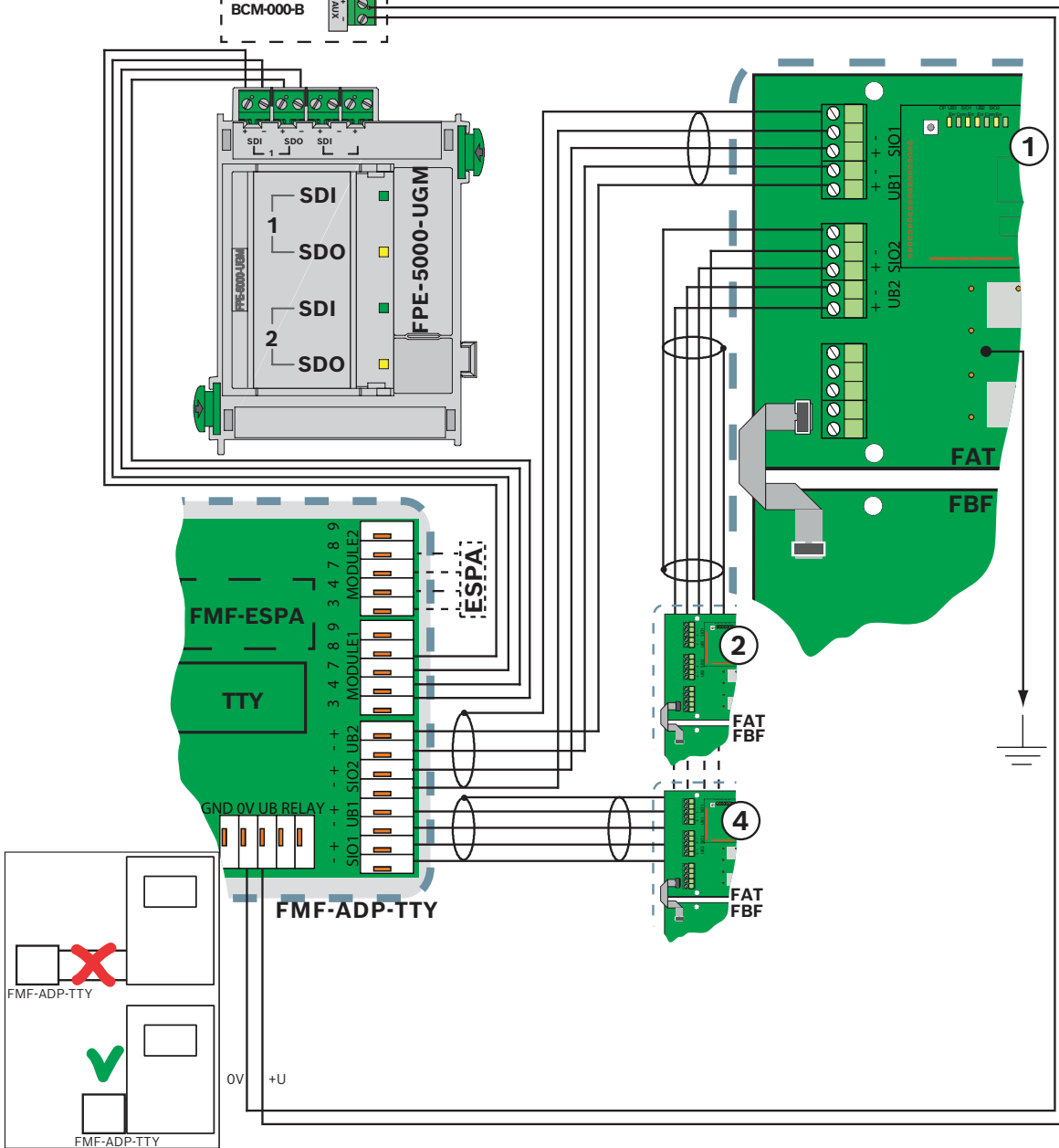


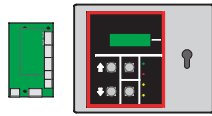
### 2.4.8 FPE-5000-UGM



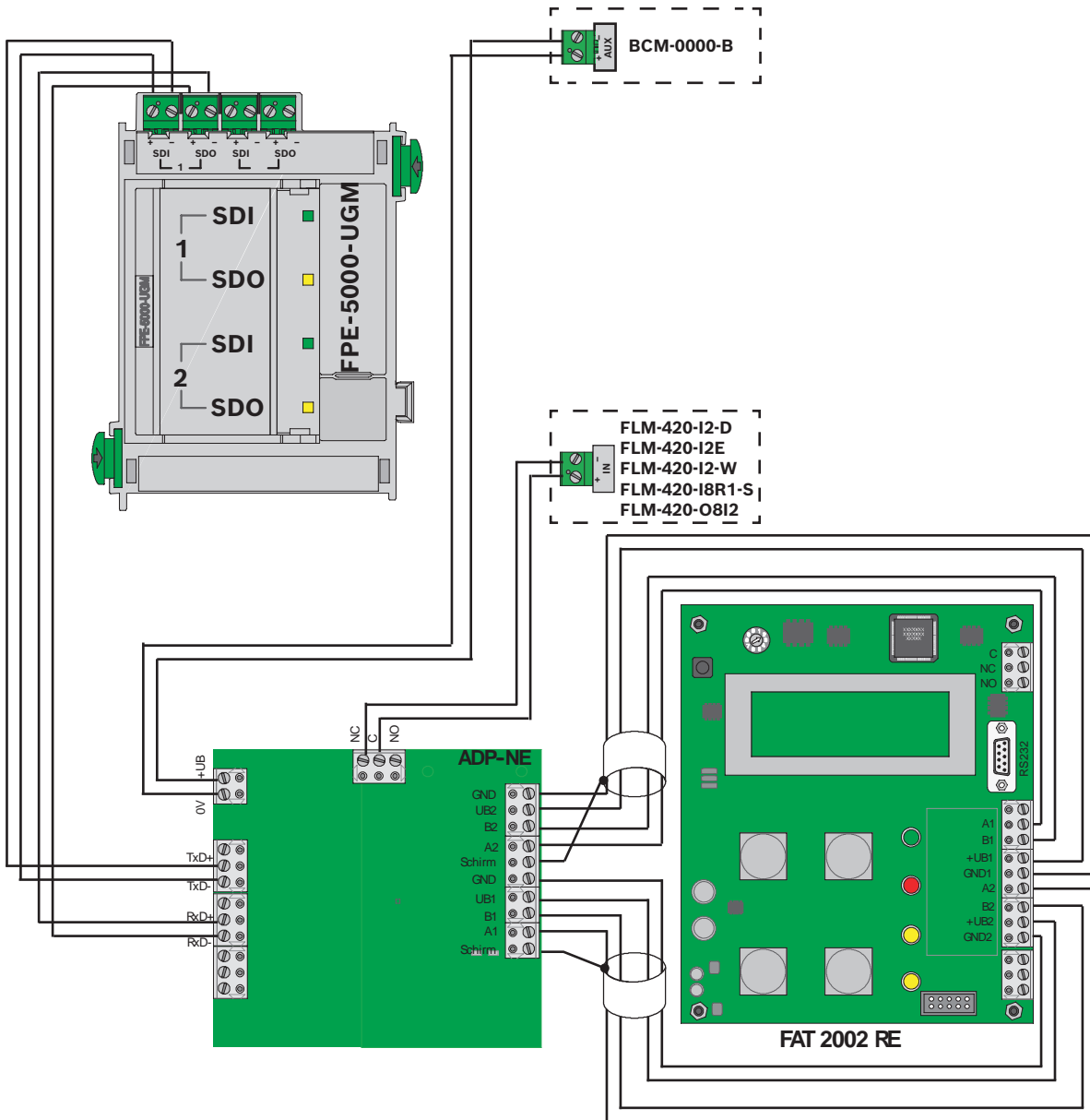
FAT4000 FBF4000 ADP4000  
 FMF-FAT FMF-FBF-FAT  
 FMF-FIBS-A4/-A3  
 FMF-ADP

ELS





**FAT2002RE  
ADP-NE**



## 2.5

### Interface Modules



*FLM-420-4/CON-D/S, Página 125*

*FLM-420-I8R1-S, Página 158*

*FLM-420-NAC-D/S, Página 160*

*FLM-420-RHV, Página 172*

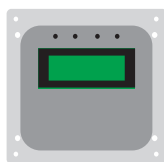
*FLM-420-RLE-S, Página 184*

*FLM-420-RLV1-E, Página 185*

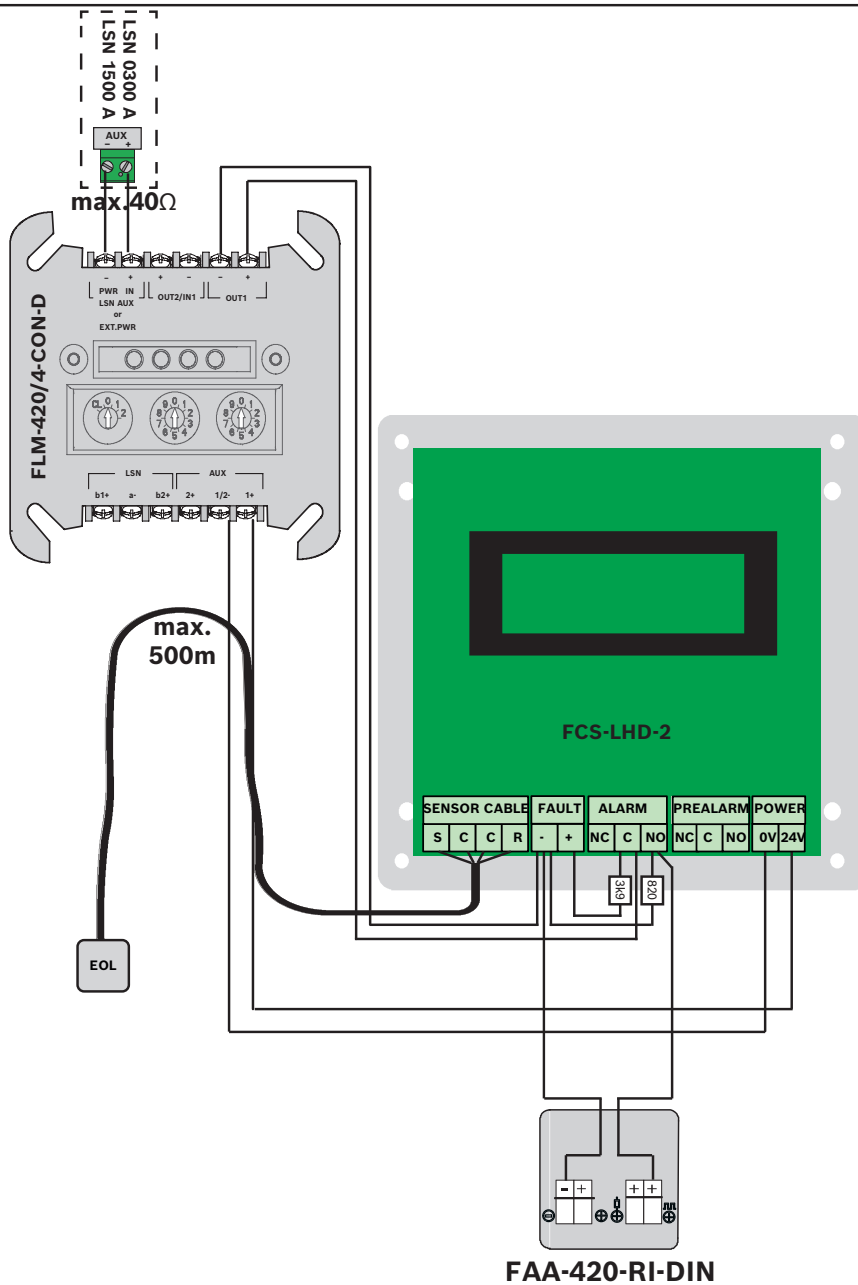
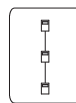
*FLM-420-RLV8-S, Página 186*

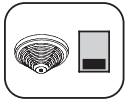
*FMF-ADP-FBF/FMF-ADP-TTY, Página 187*

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

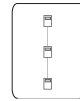


ALARMLINE II



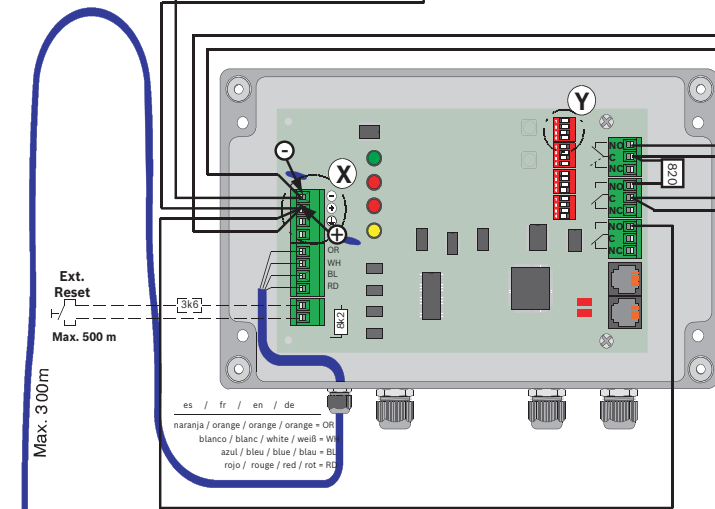
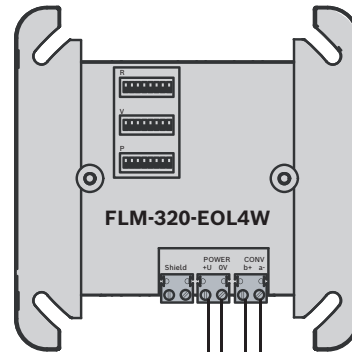
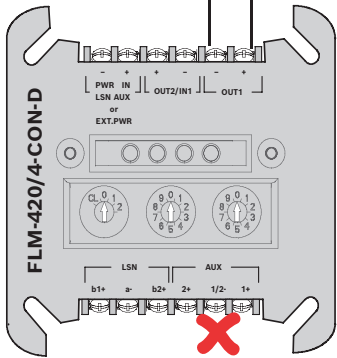


FCS-LWM-1



ELS

BCM-0000-B  
LSN 0300 A  
LSN 1500 A

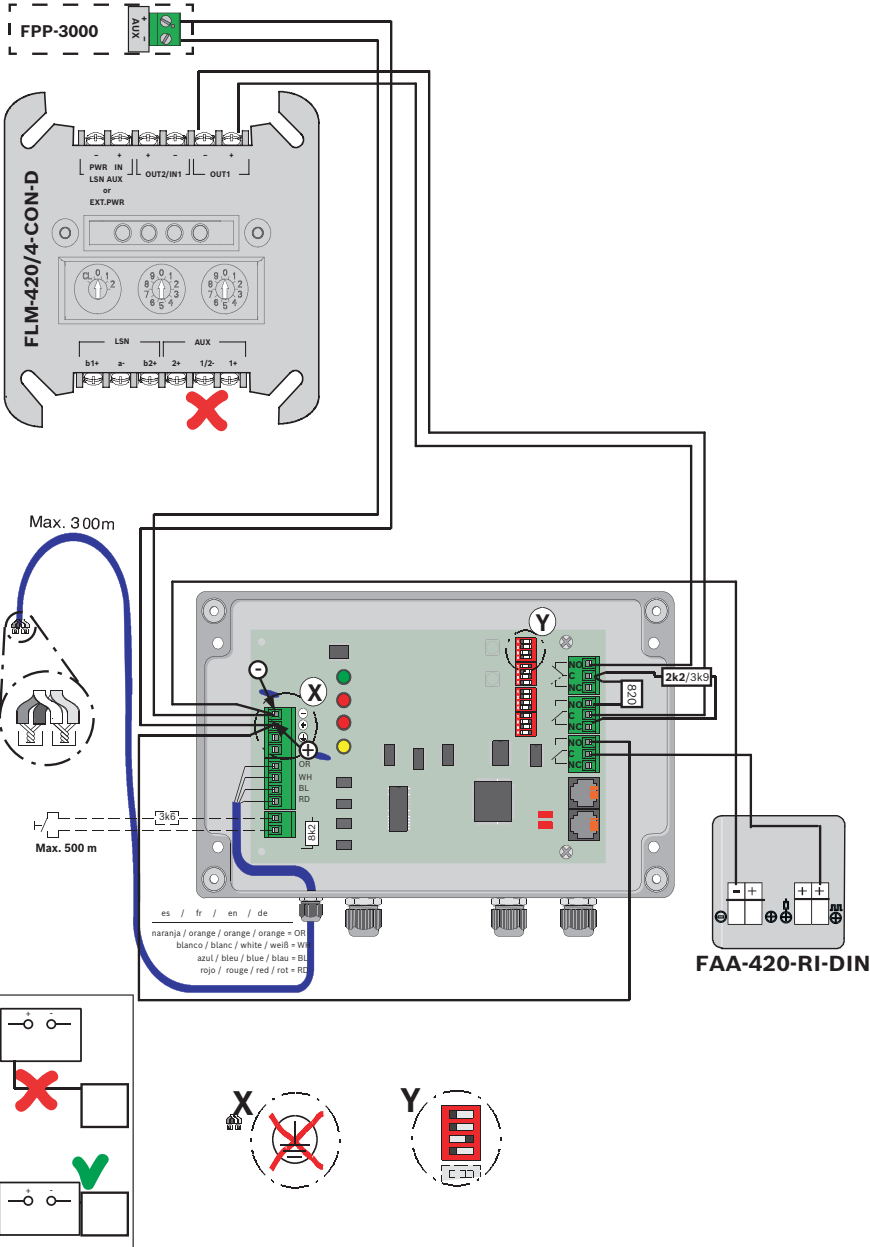


es / fr / en / de  
naranja / orange / orange / orange = OR  
blanco / blanc / white / weiß = WH  
azul / bleu / blue / blau = BL  
rojo / rouge / red / rot = RD



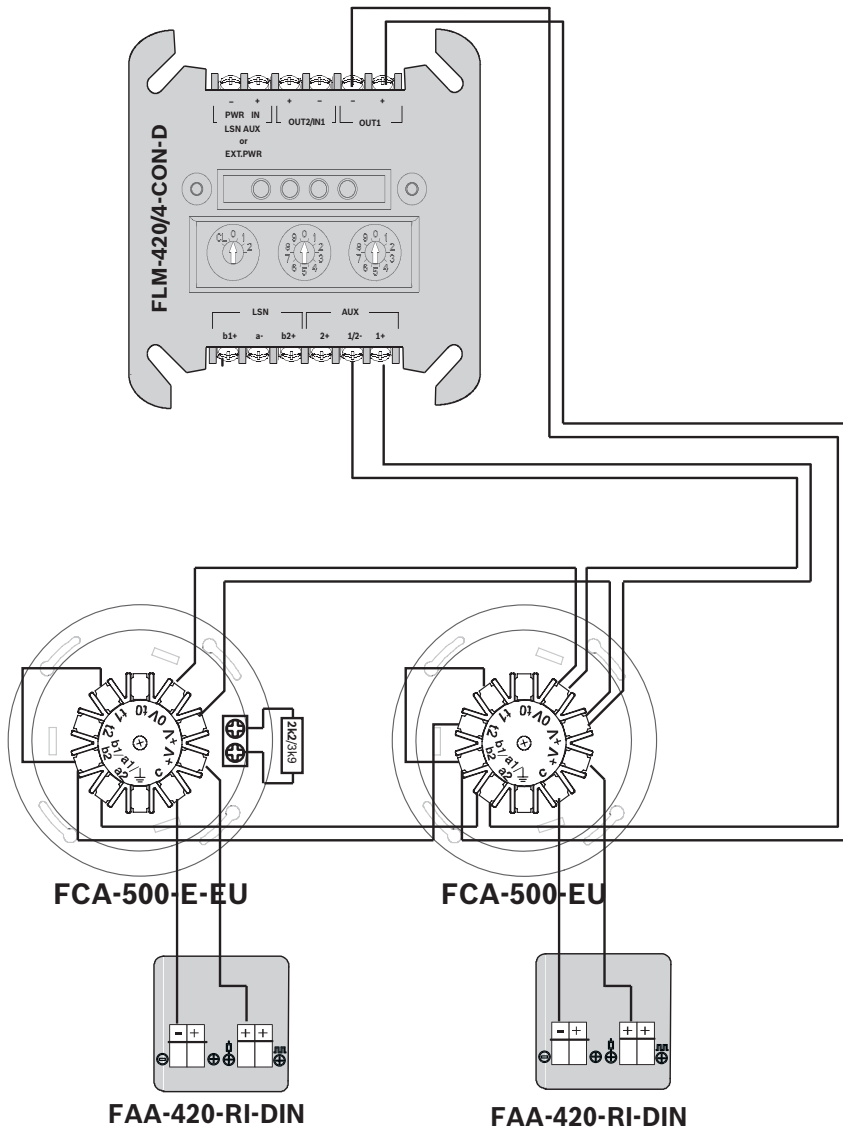


FCS-LWM-1





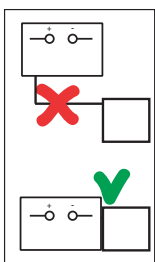
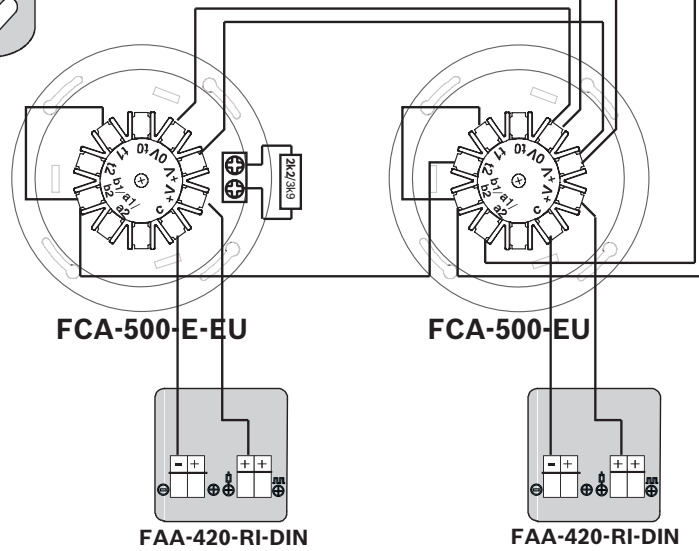
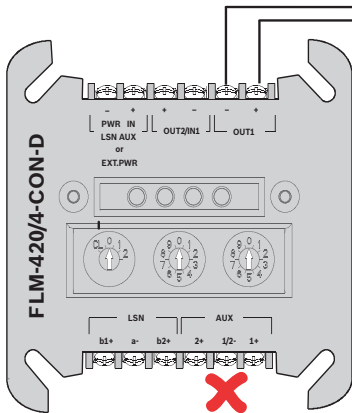
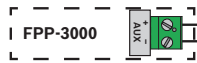
FCP-500

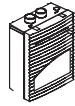




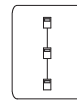


FCA-500-EU  
 FCP-O 500  
 FCP-O 500-P  
 FCP-OC 500  
 FCP-OC 500-P

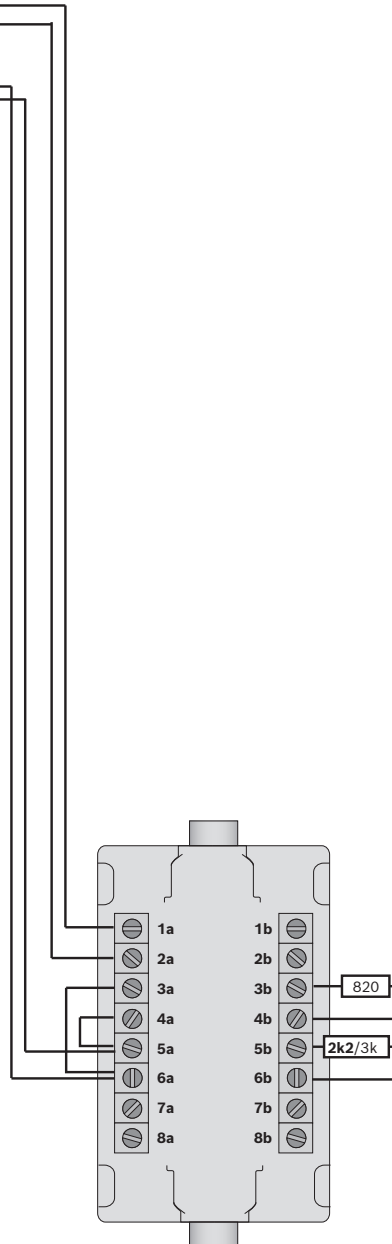
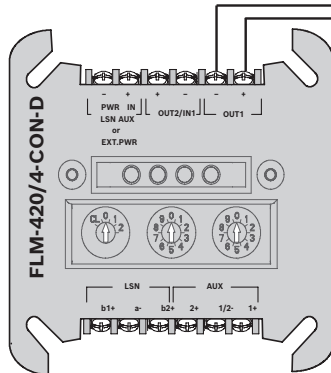


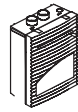


FCS-320-TM Series

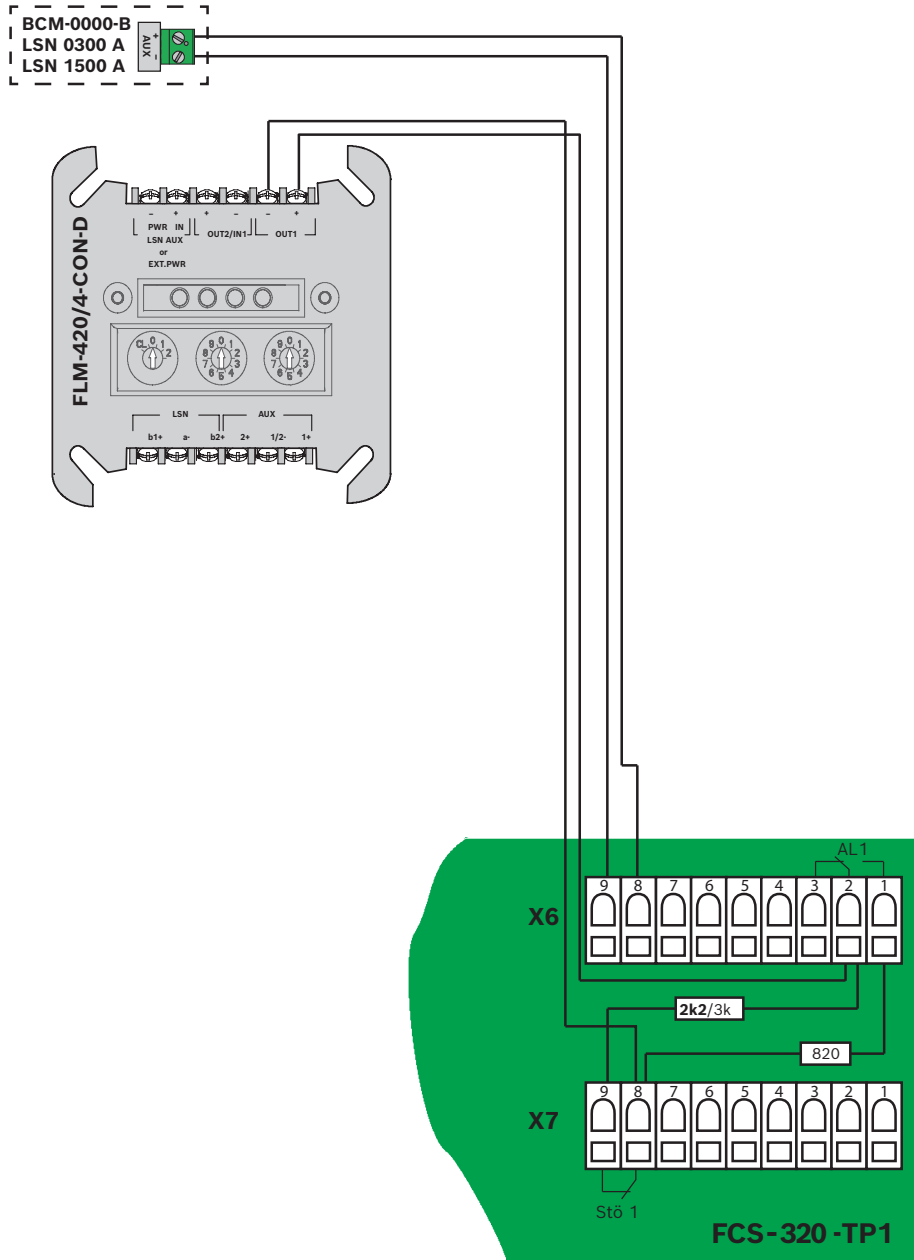
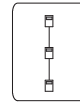


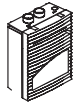
BCM-0000-B  
LSN 0300 A  
LSN 1500 A



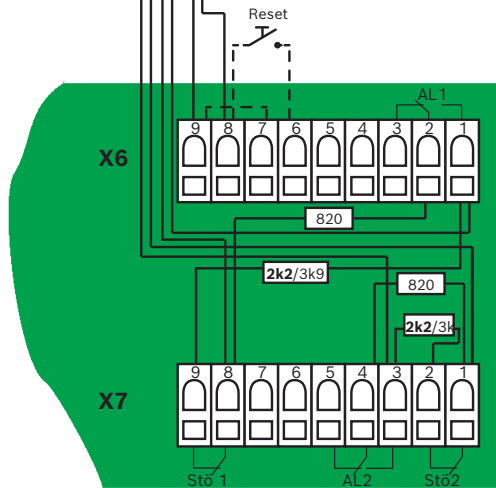
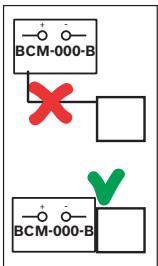
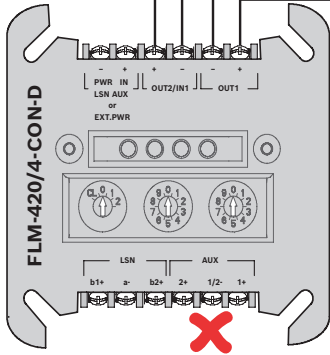
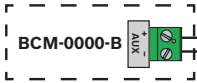


FCS-320-TP Series

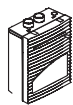




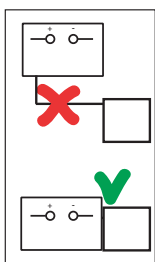
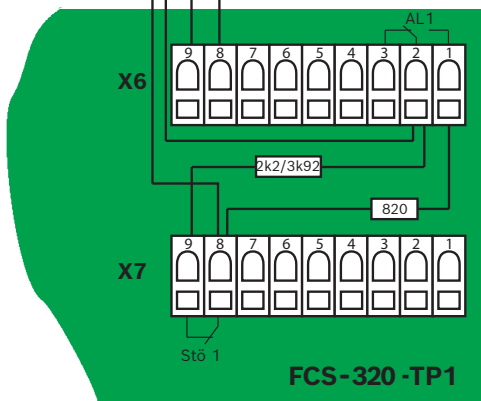
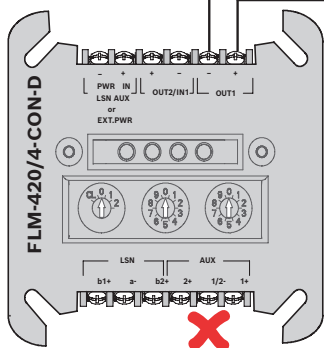
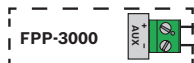
FCS-320-TP Series

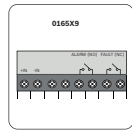


FCS-320-TP2

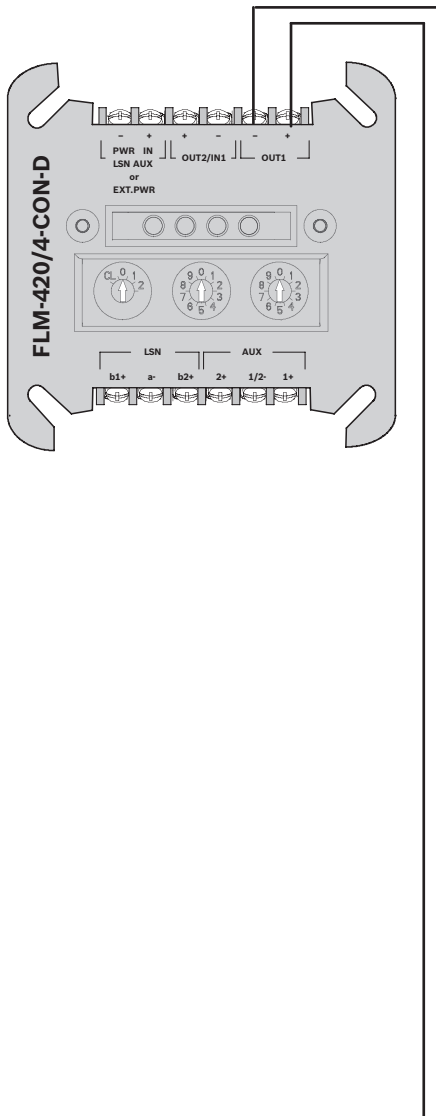
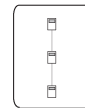


FCS-320-TP1

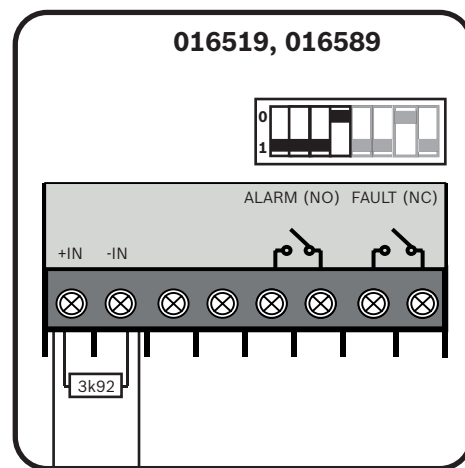


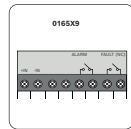


**016519, 016589  
IR3 Flame Detector**

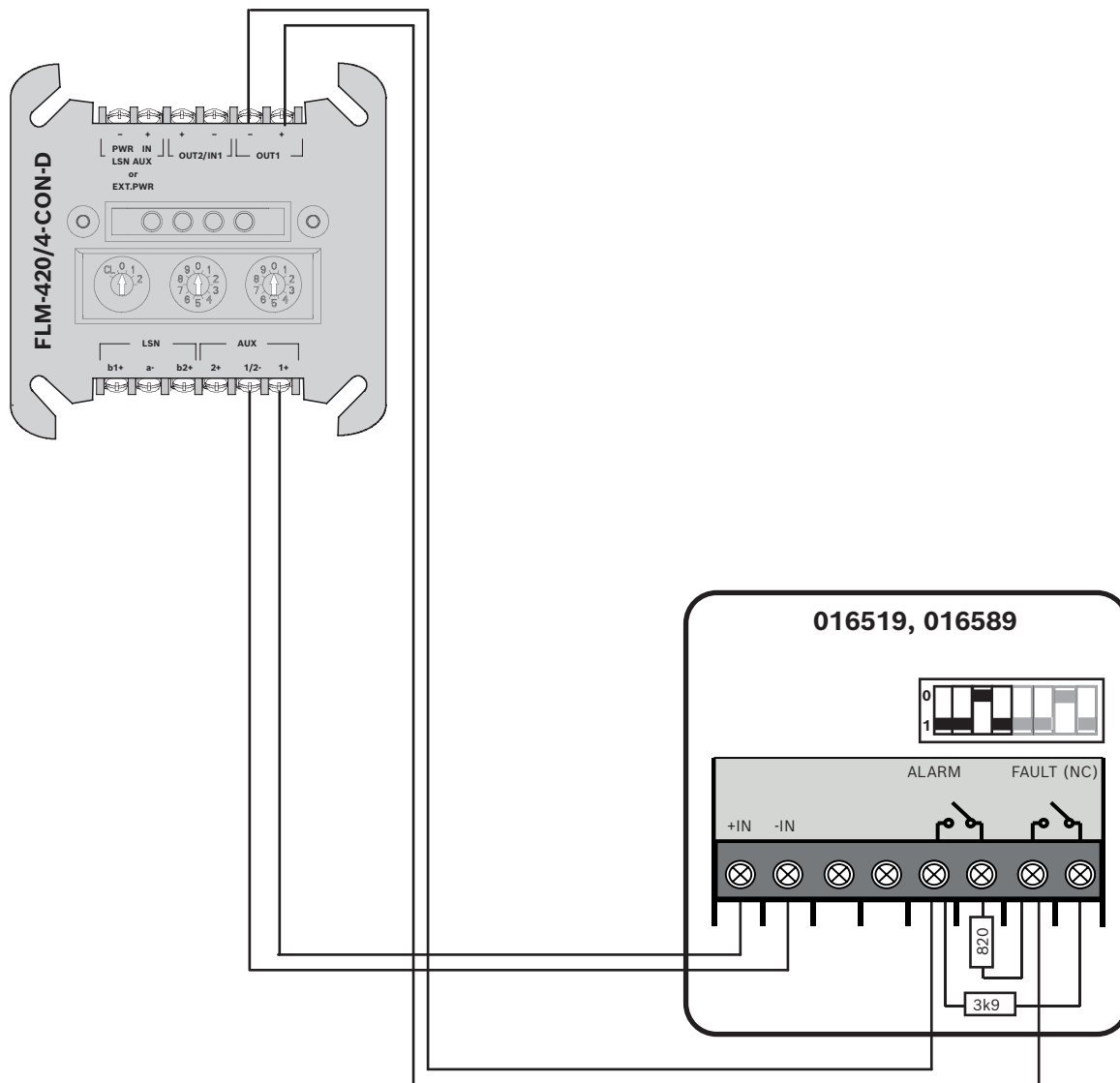
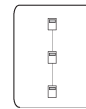


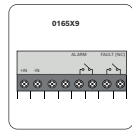
**max. 1 x 0165X9**



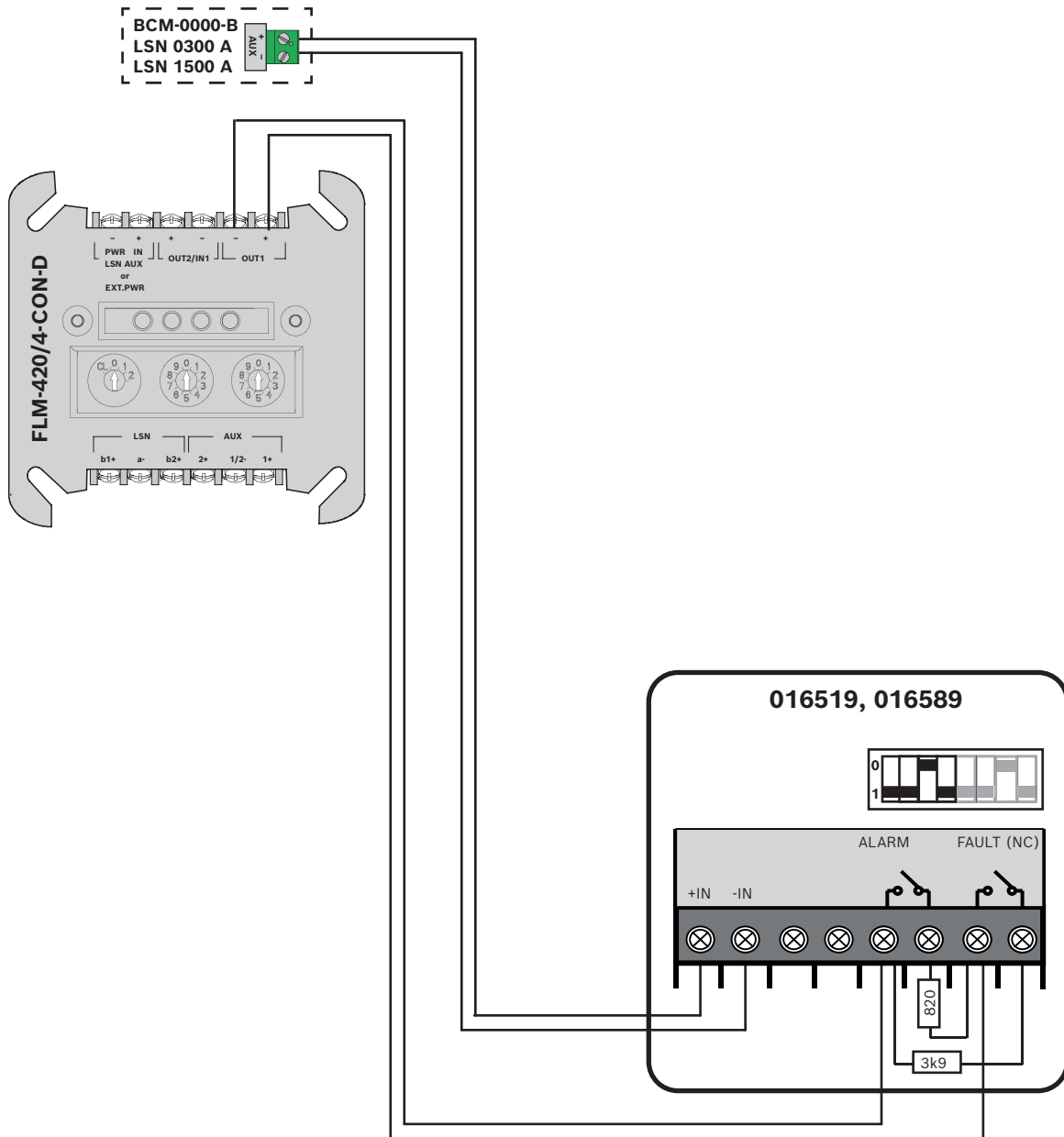
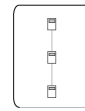


**016519, 016589  
IR3 Flame Detector**

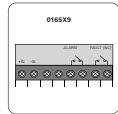




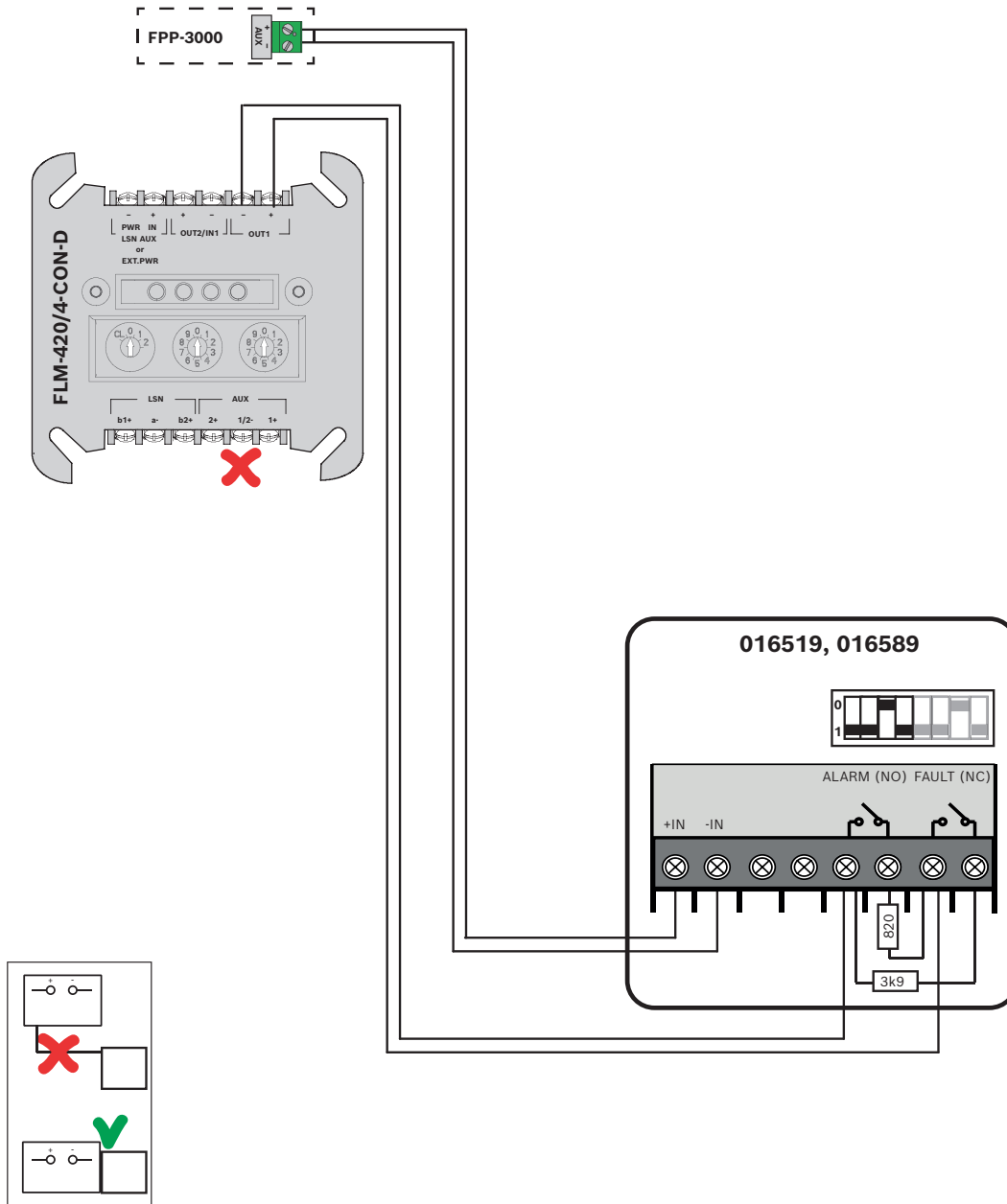
**016519, 016589  
IR3 Flame Detector**





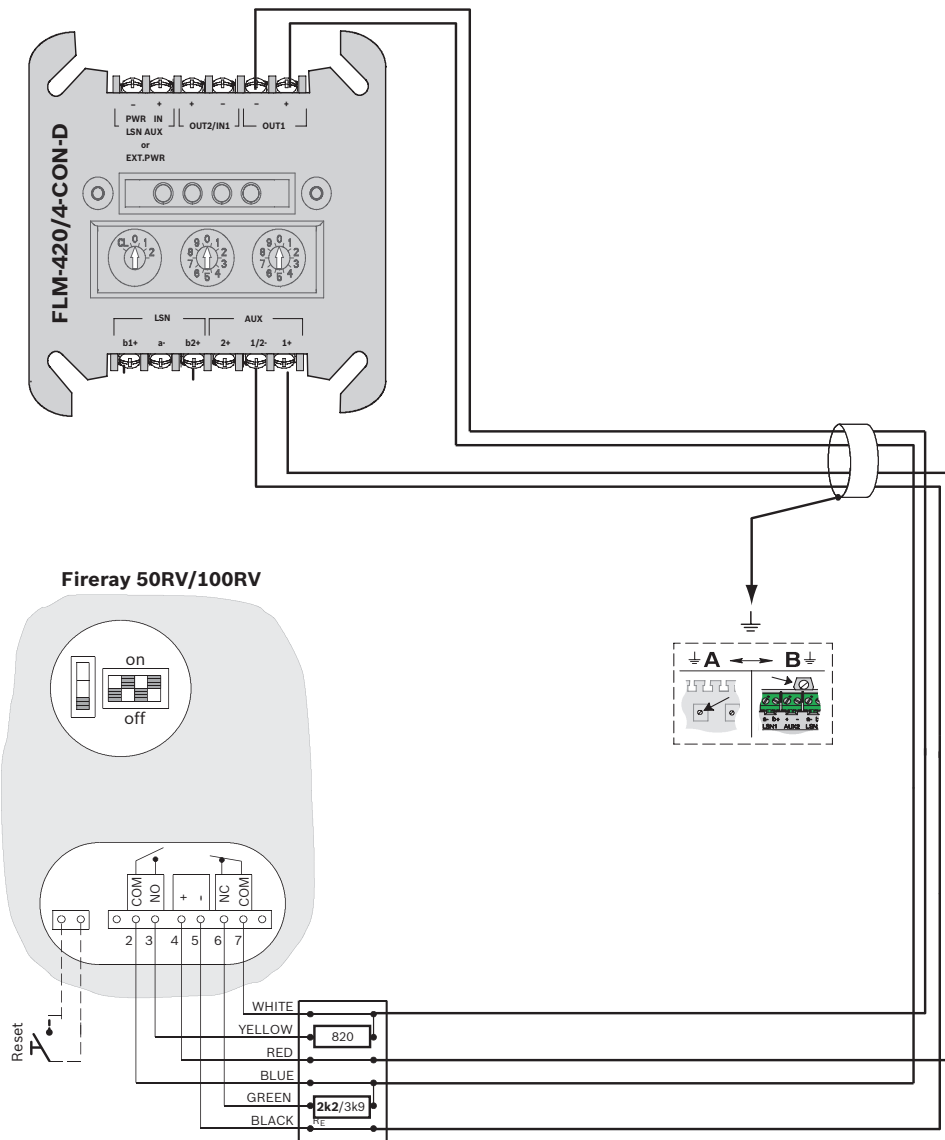


**016519, 016589  
IR3 Flame Detector**





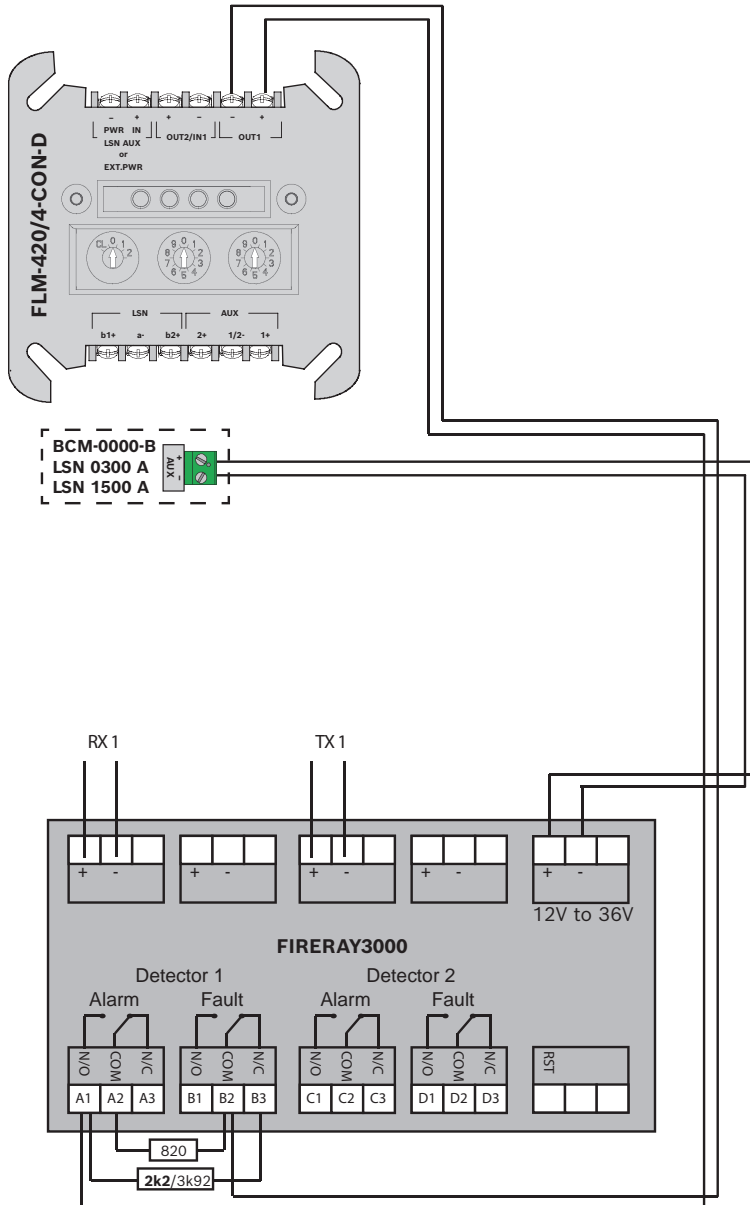
**Fireray 50RV**  
**Fireray 100RV**

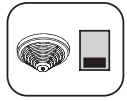




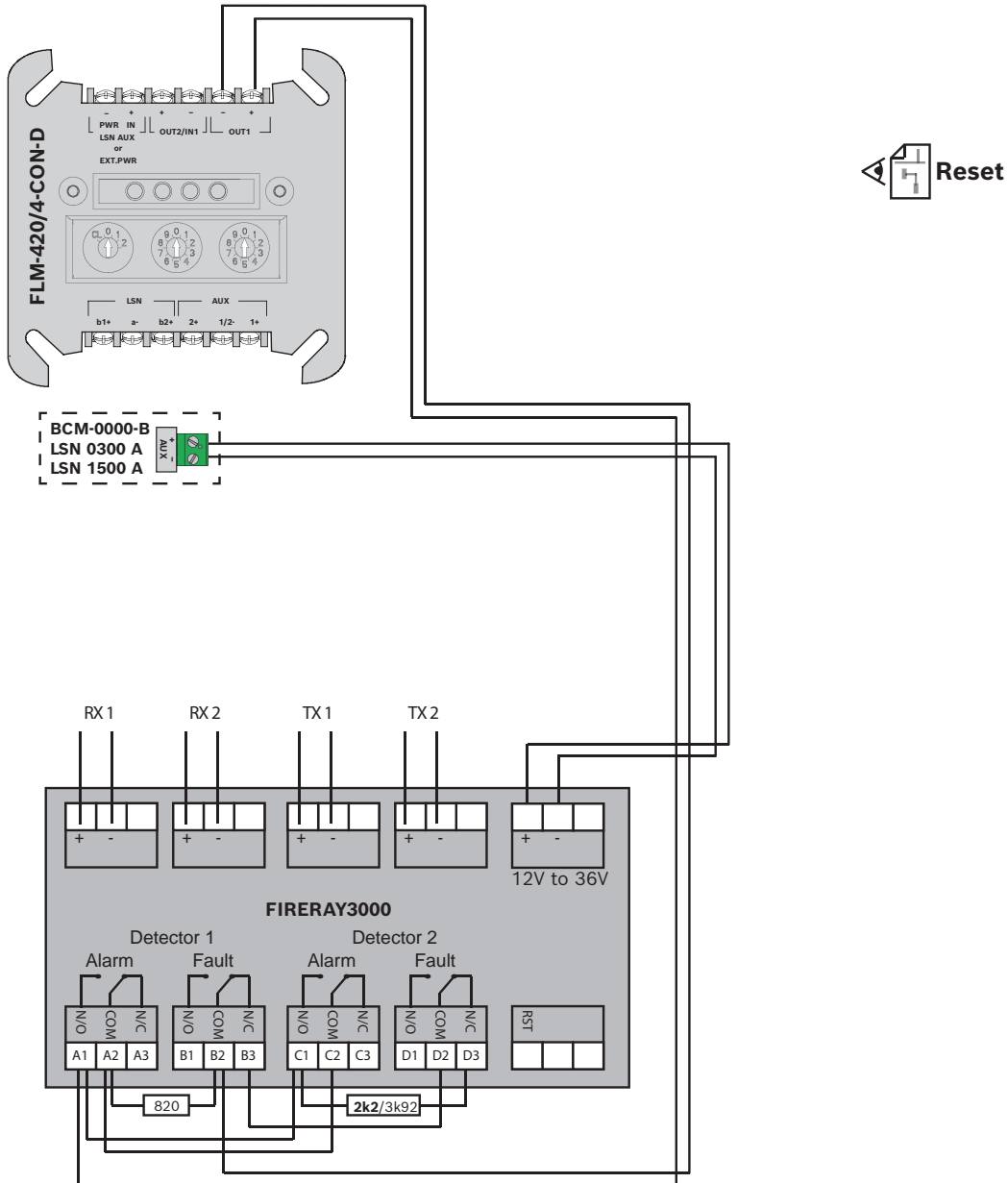
**FIRERAY3000**

1 x





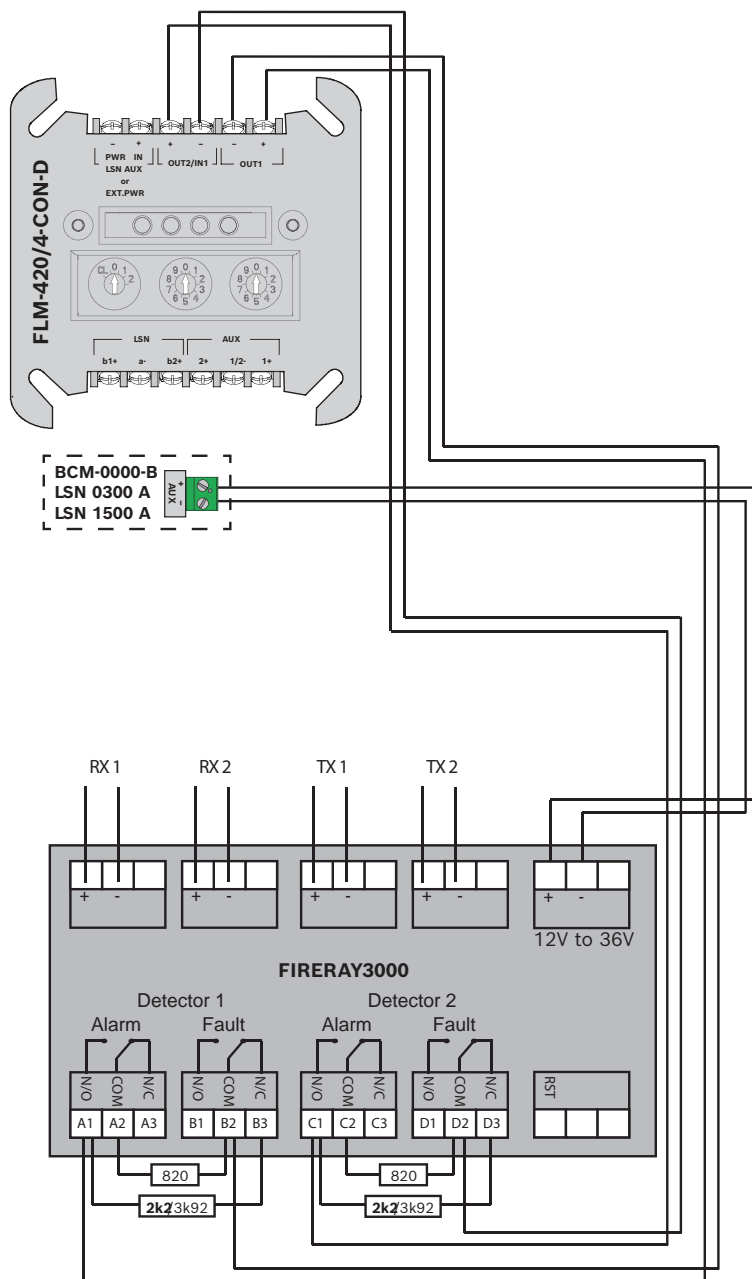
**FIRERAY3000**  
2 x **OUT1**

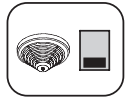




**FIRERAY3000**

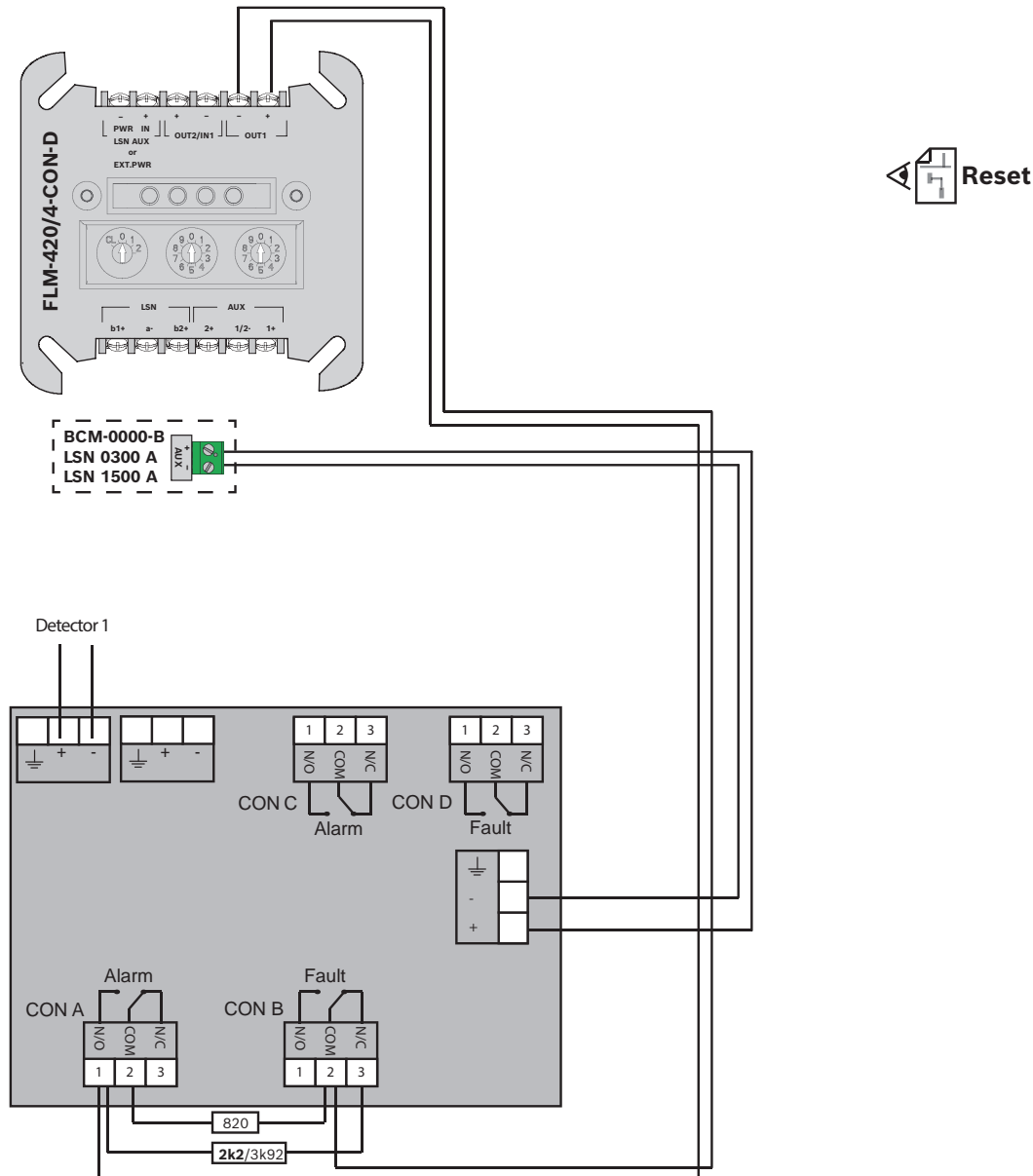
2 x **OUT1+2**





**FIRERAY5000**

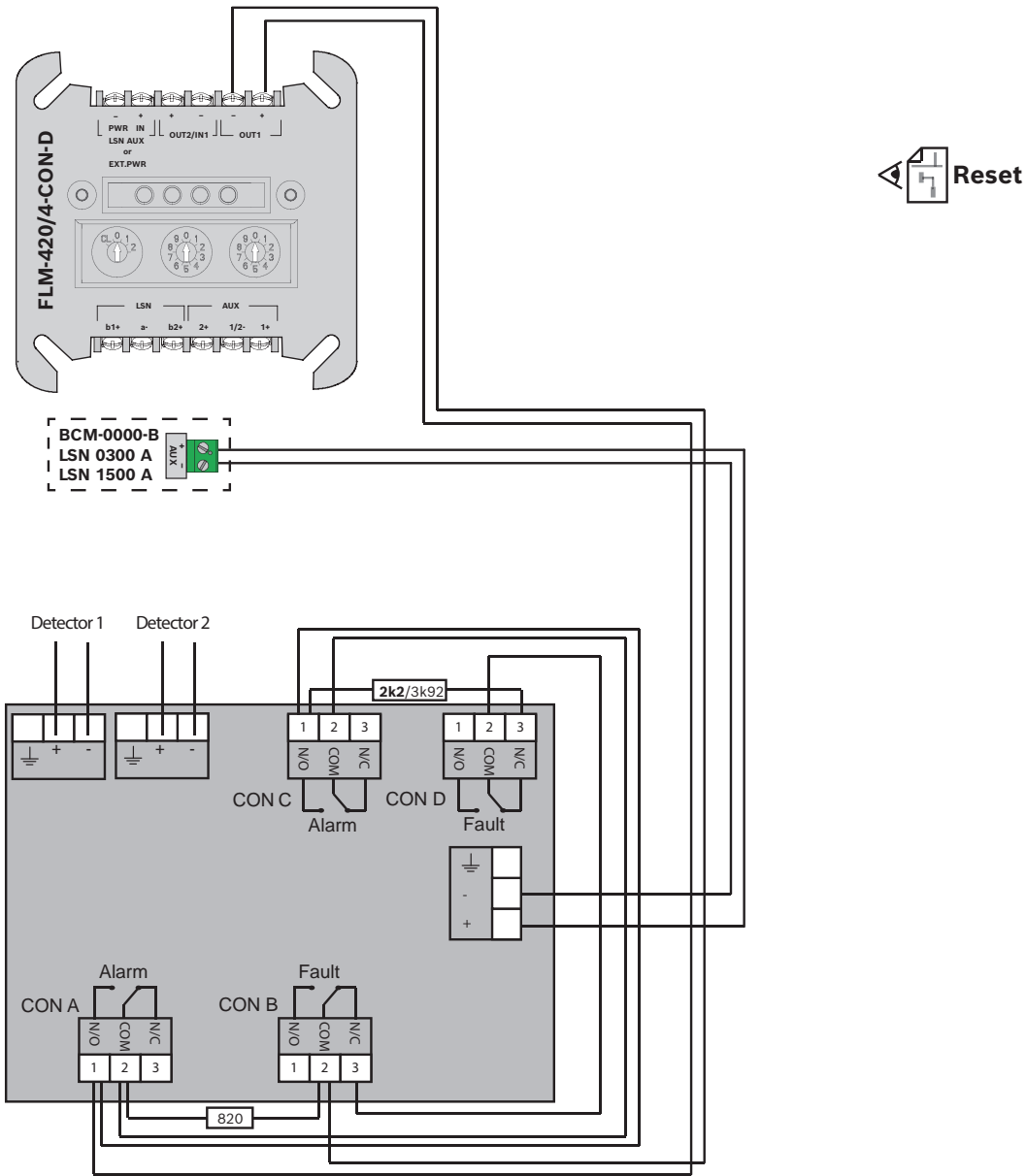
1 x





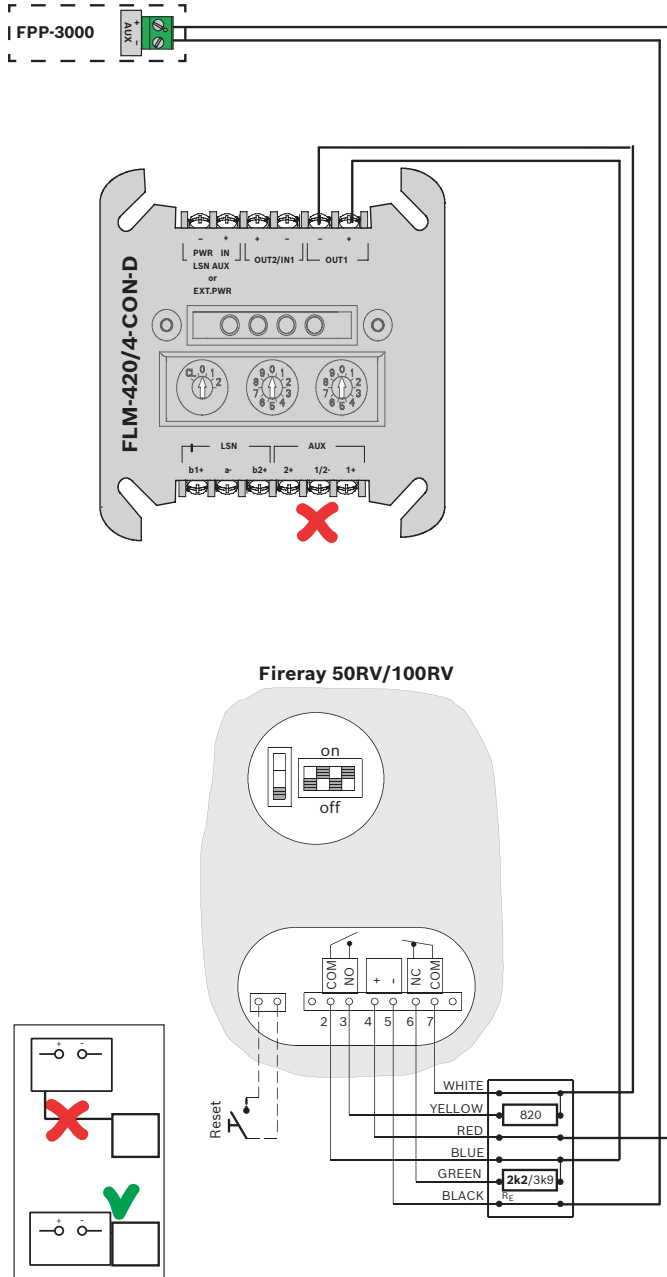
**FIRERAY5000**

**2 x OUT1**

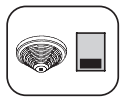




**Fireray 50RV  
Fireray 100RV**

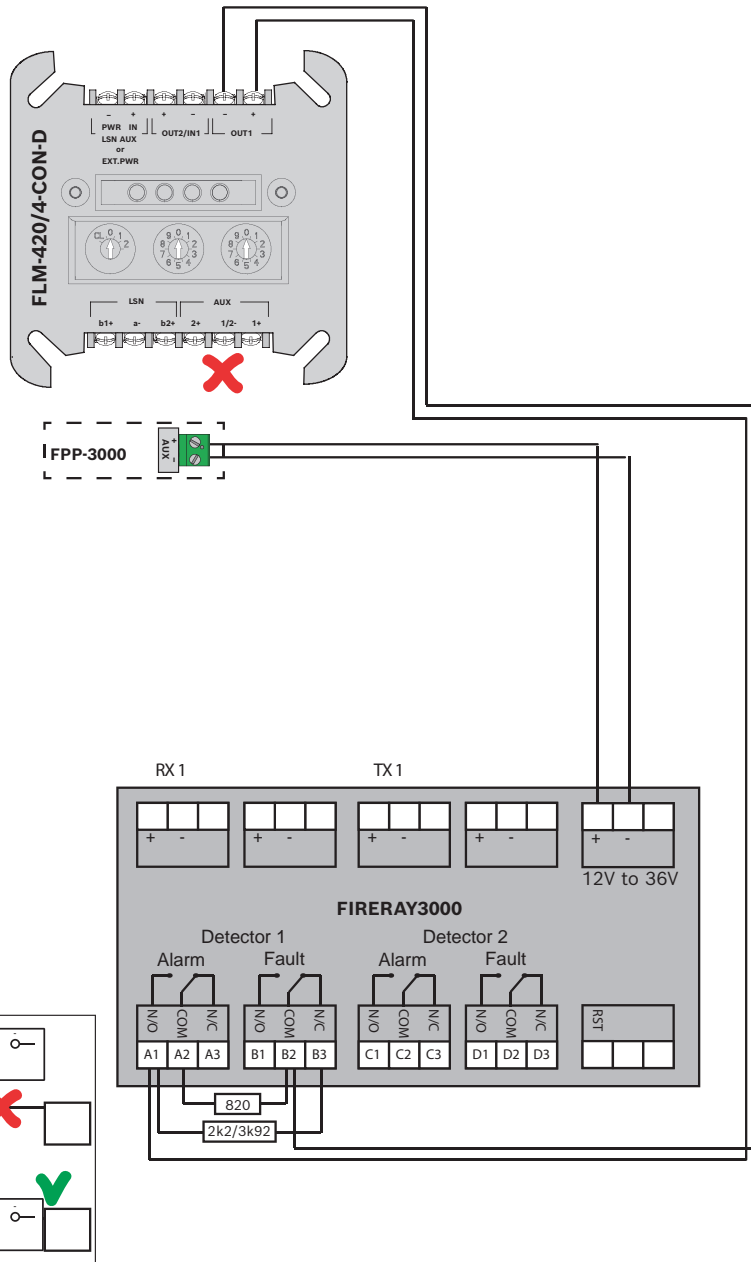






**FIRERAY3000**

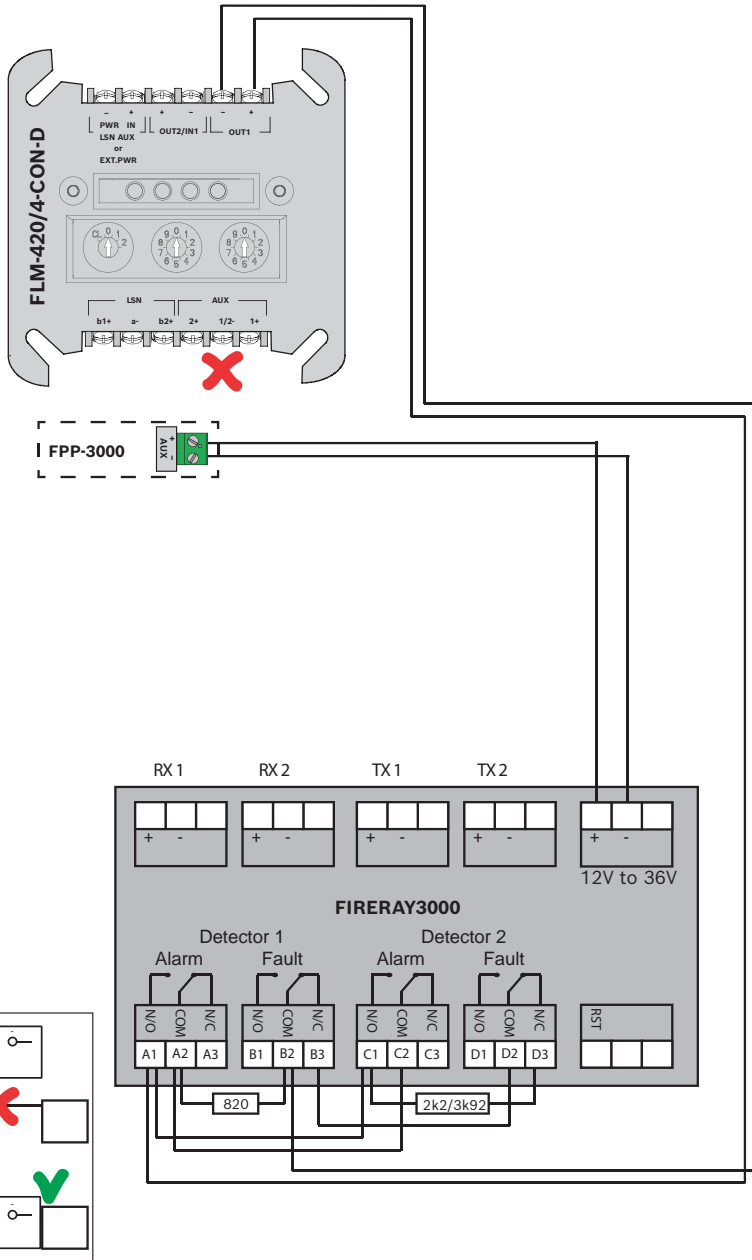
1 x



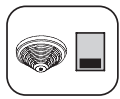
**Reset action**



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

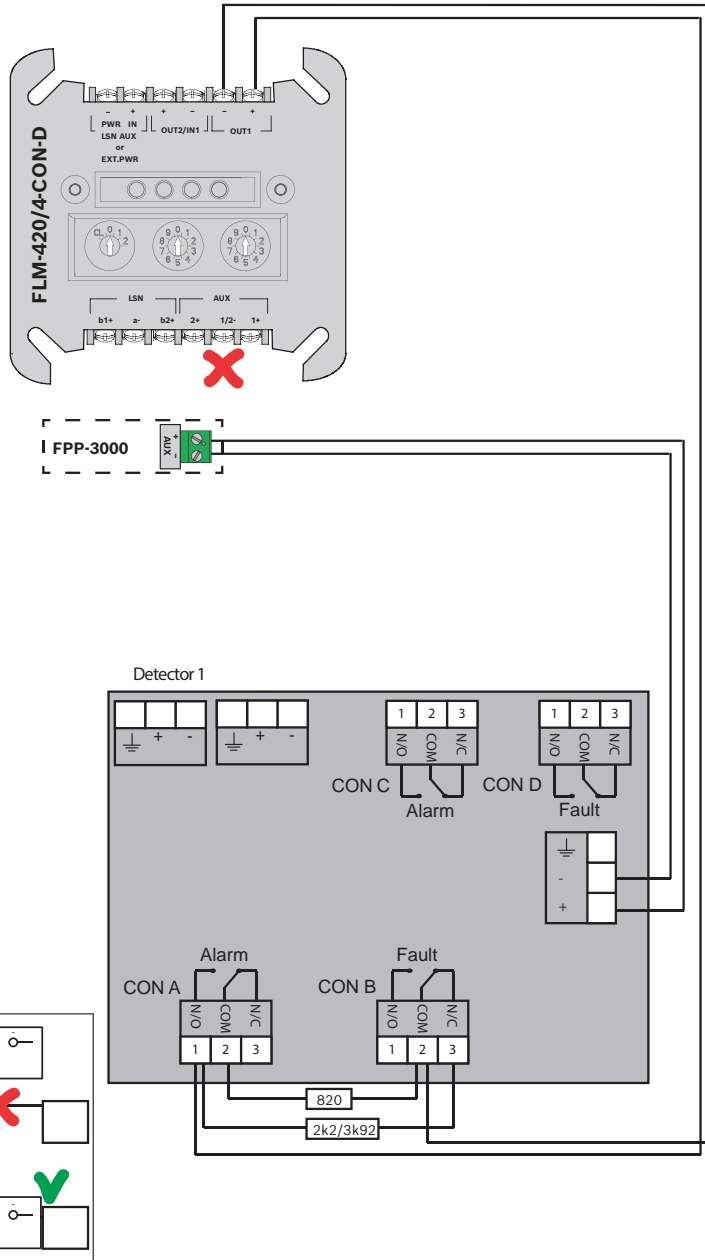


 **Reset action**



**FIRERAY5000**

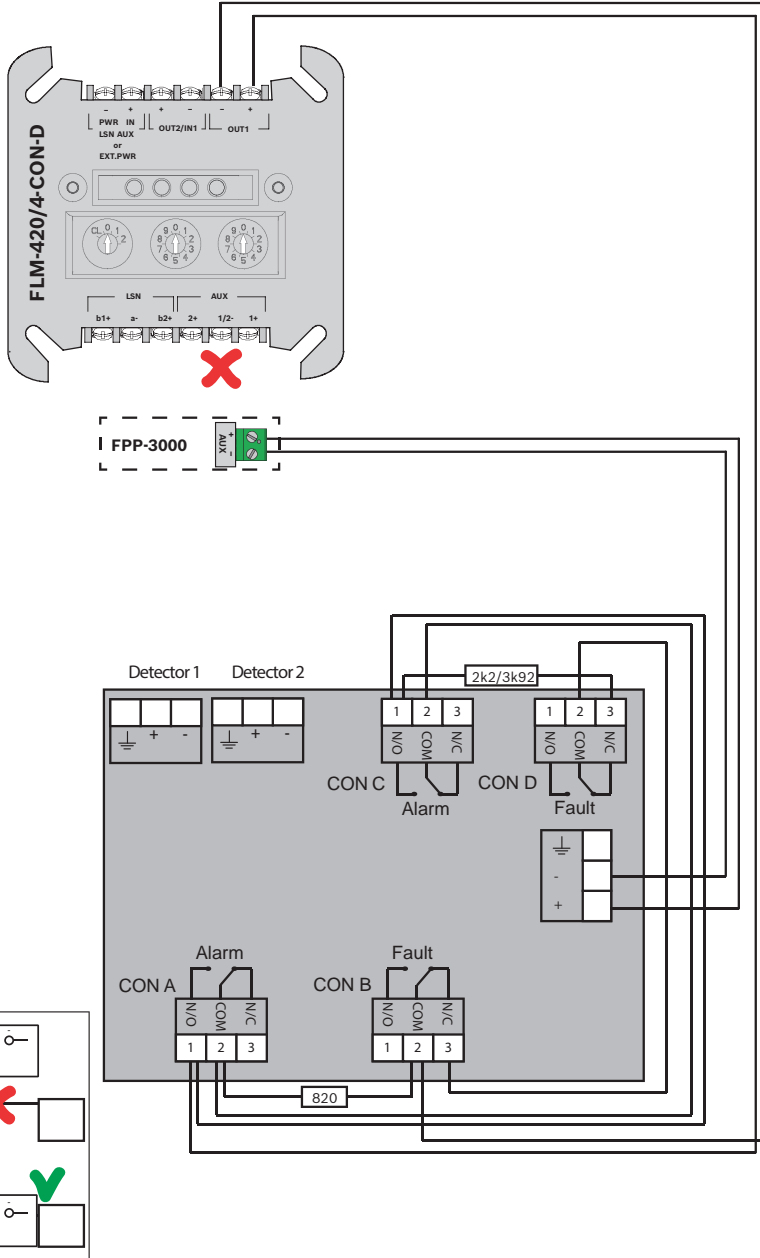
1 x



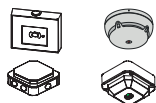


**FIRERAY5000**

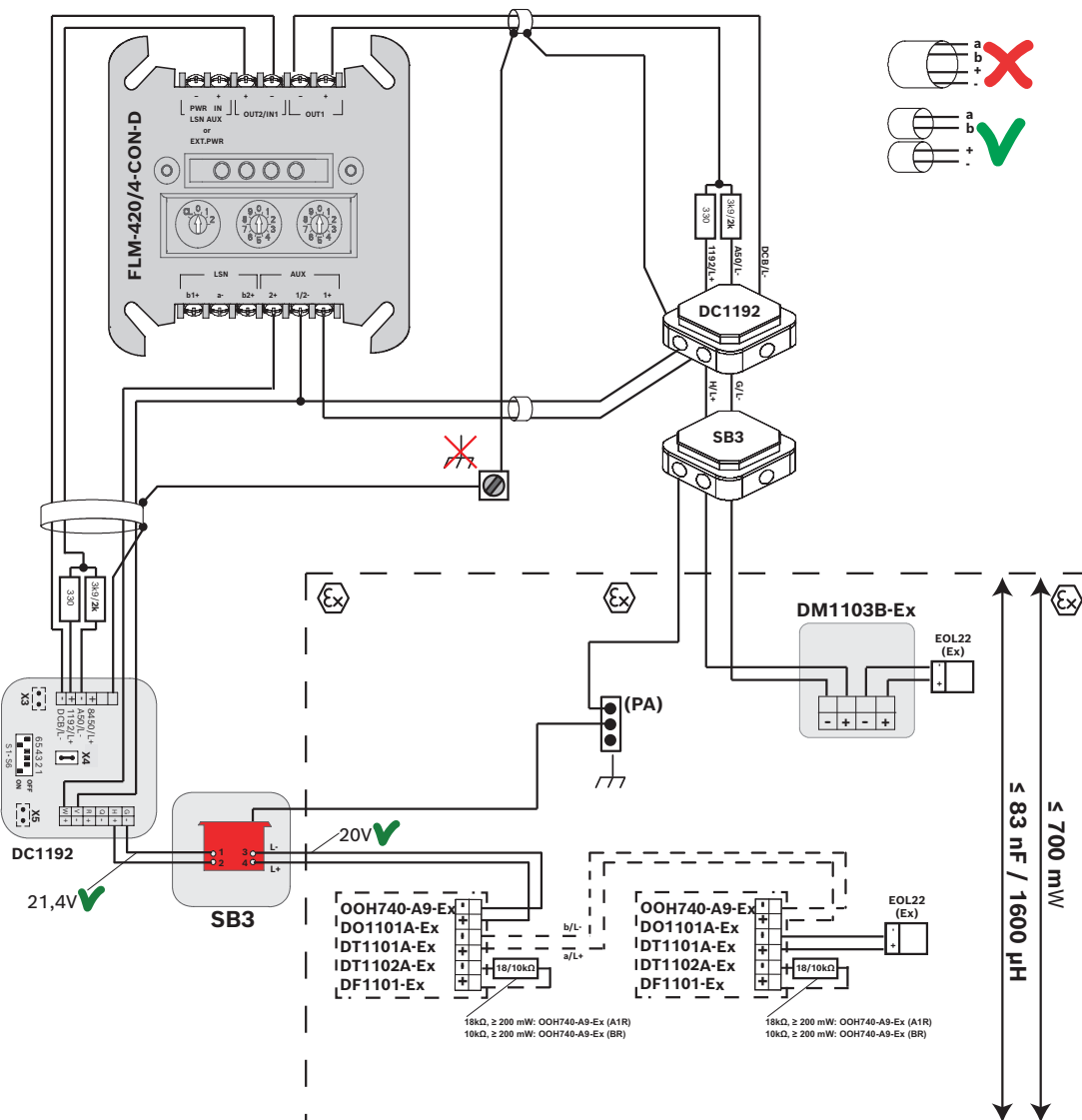
**2 x OUT1**



**Reset action**

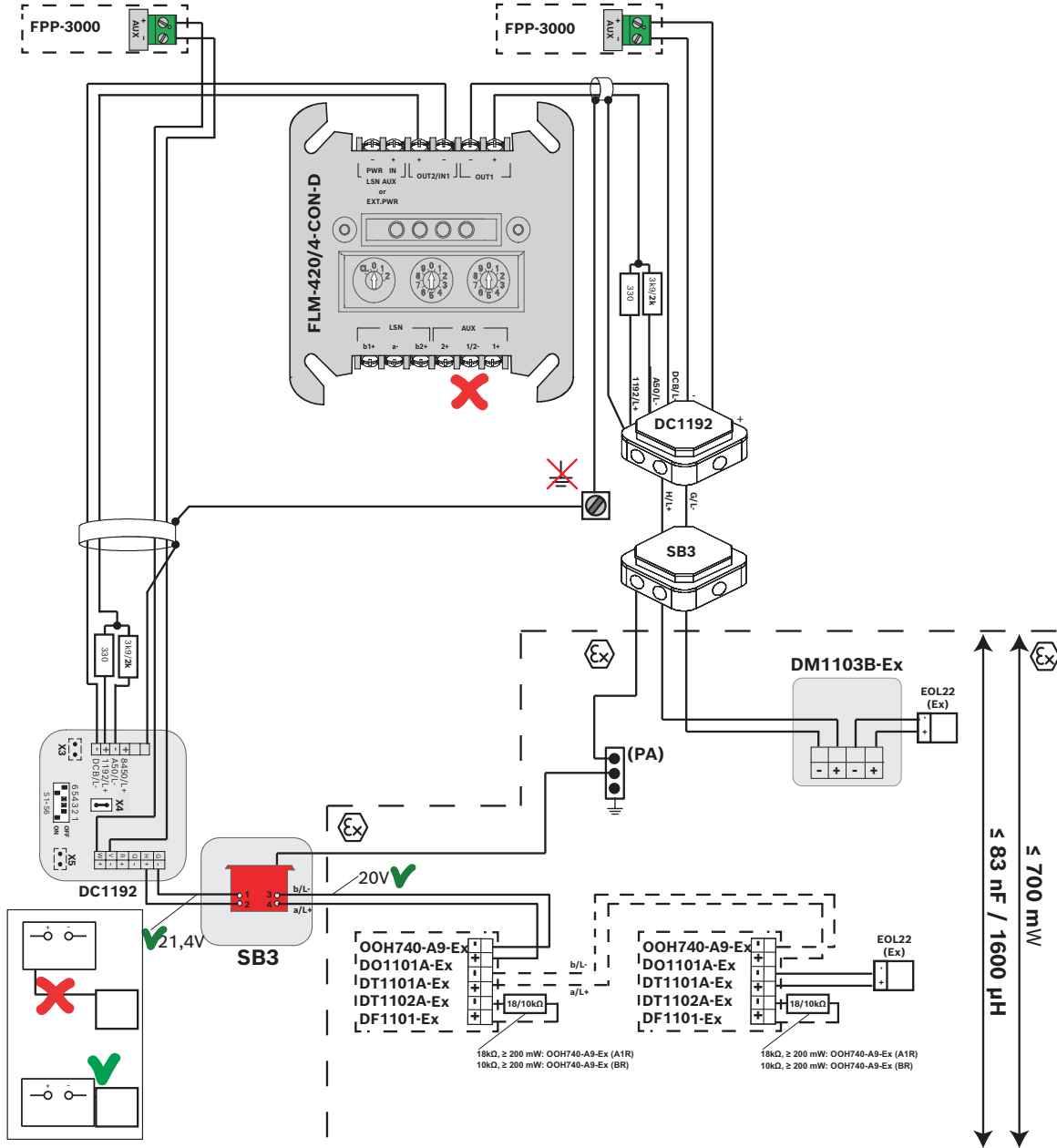


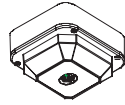
DC1192, SB3  
OOH740-A9-Ex  
DO1101A-Ex  
DT1101A-Ex-  
/DT1102A-Ex  
DF1101-Ex



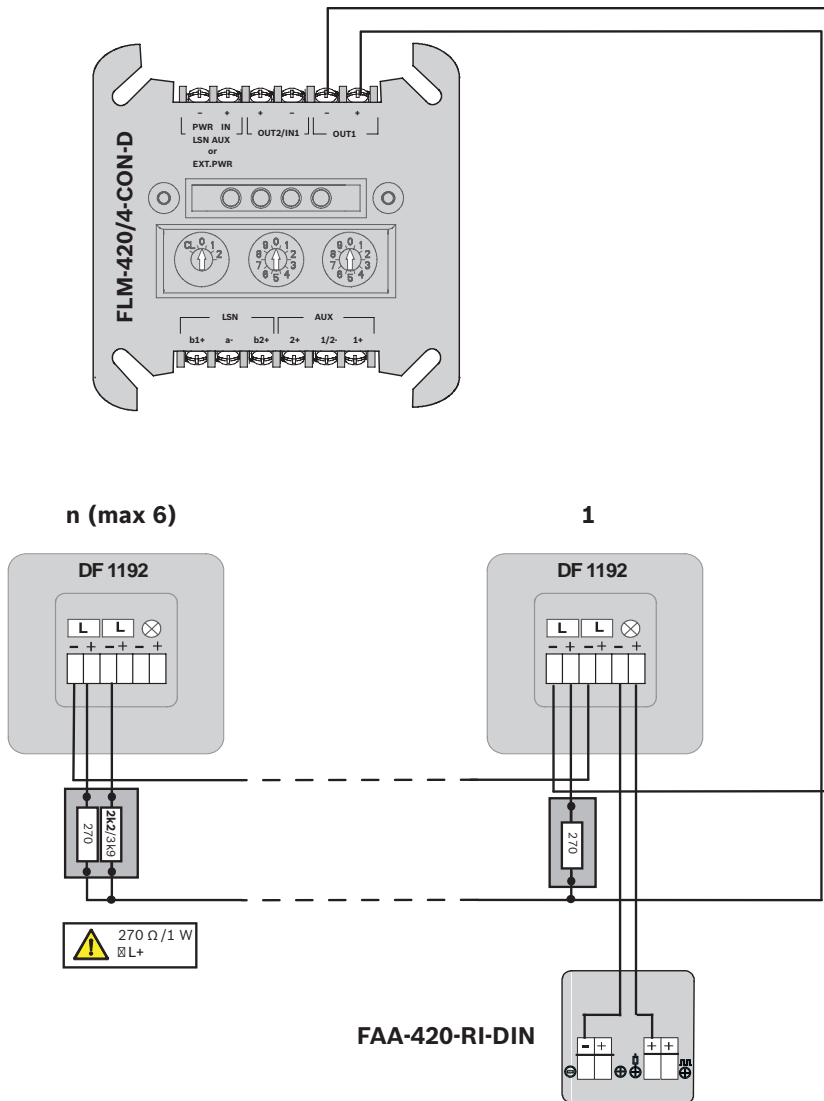


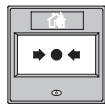
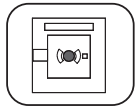
DC1192, SB3  
 OOH740-A9-Ex  
 DO1101A-Ex  
 DT1101A-Ex/DT1102A-Ex  
 DF1101-Ex  
 DM1103B-Ex



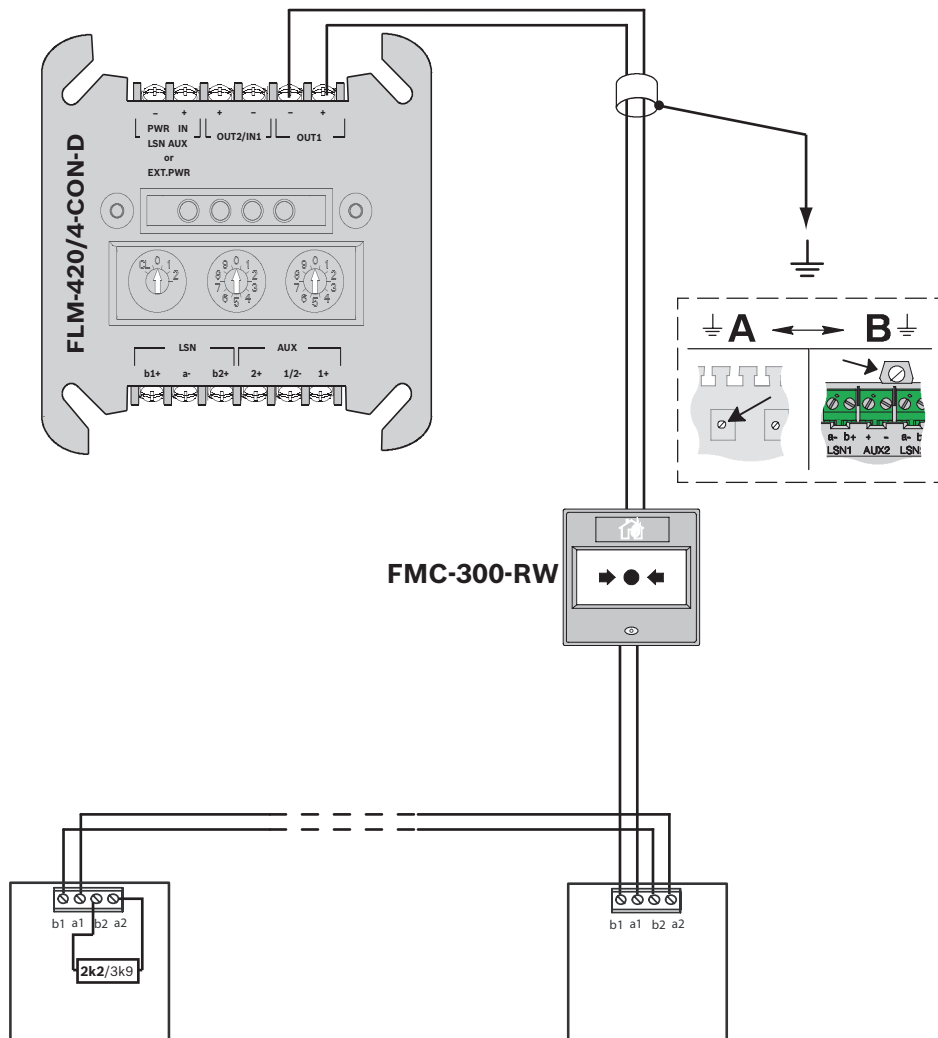
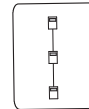


**DF 1192**

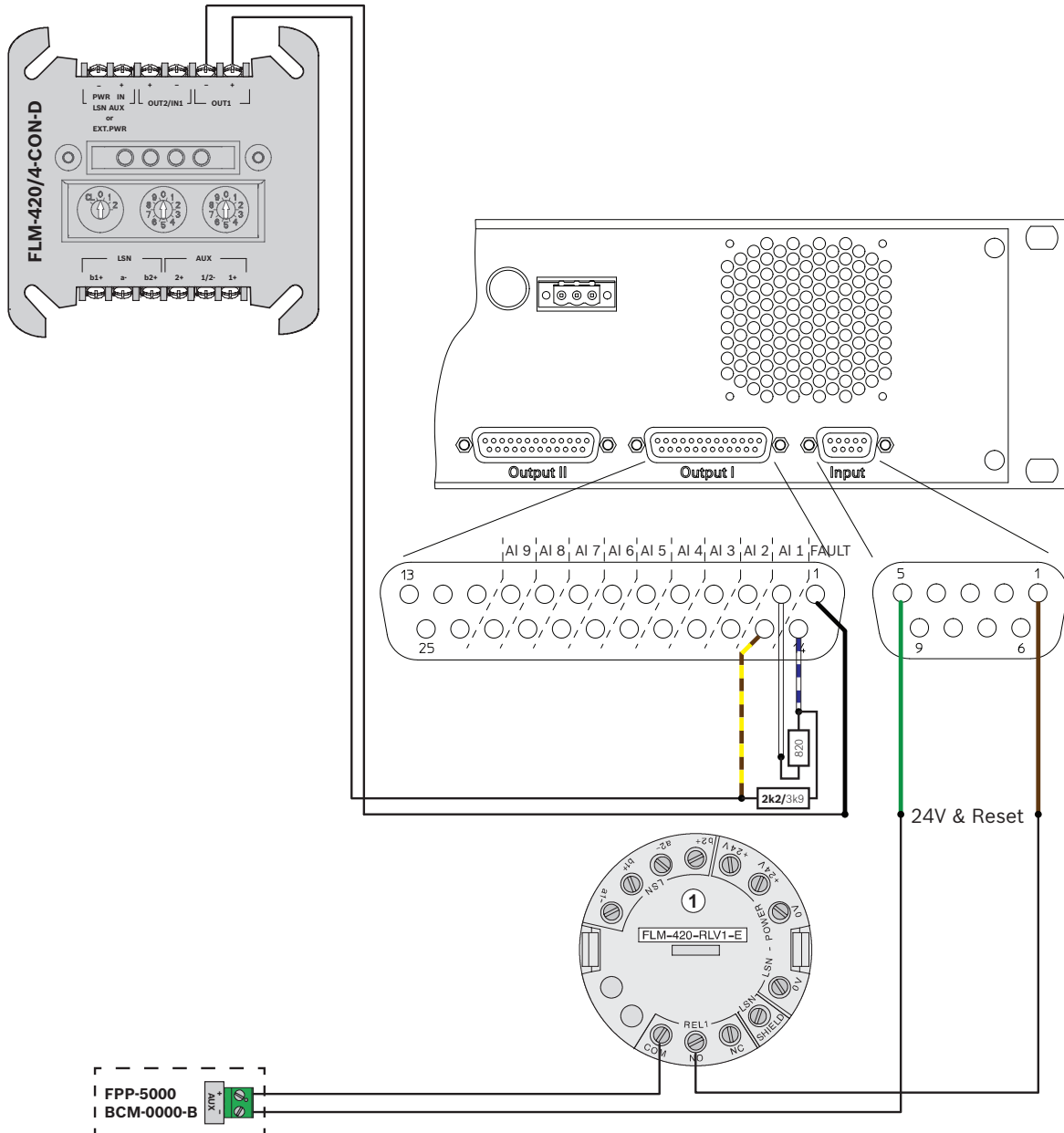


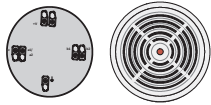


**FMC-300-RW**

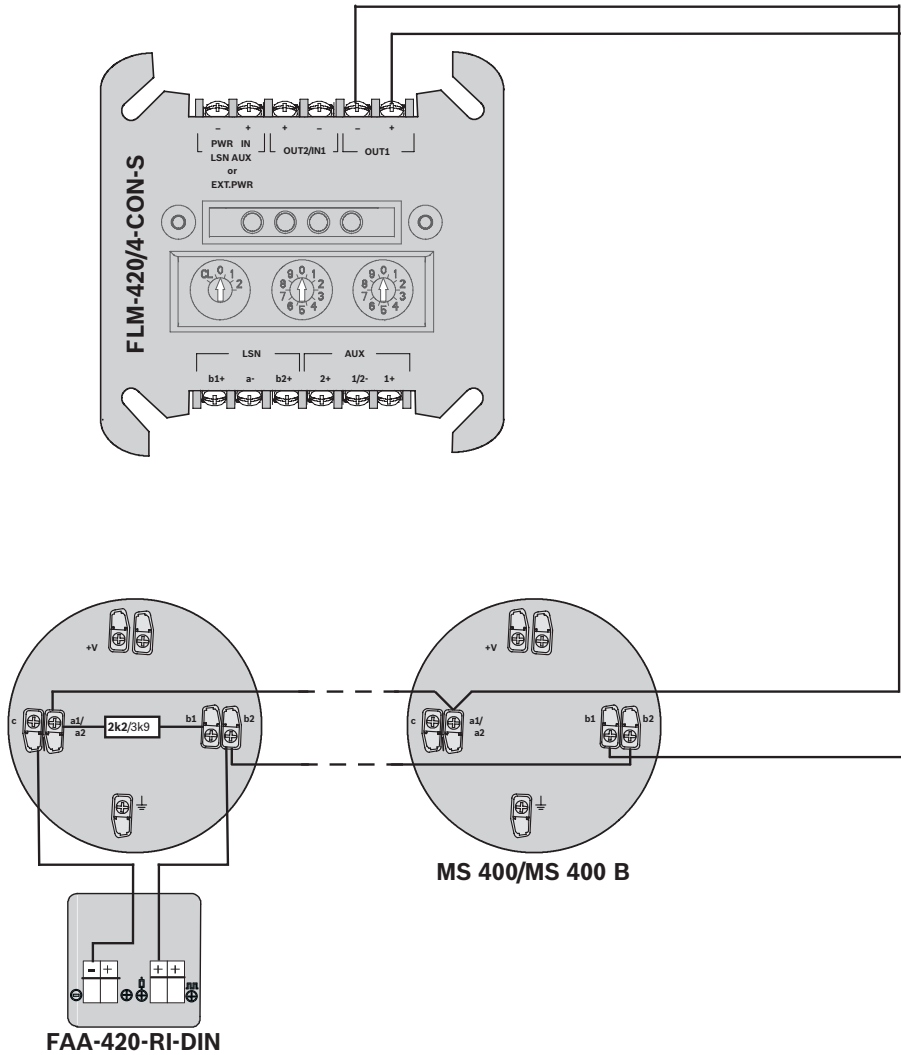


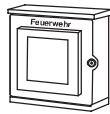
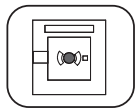




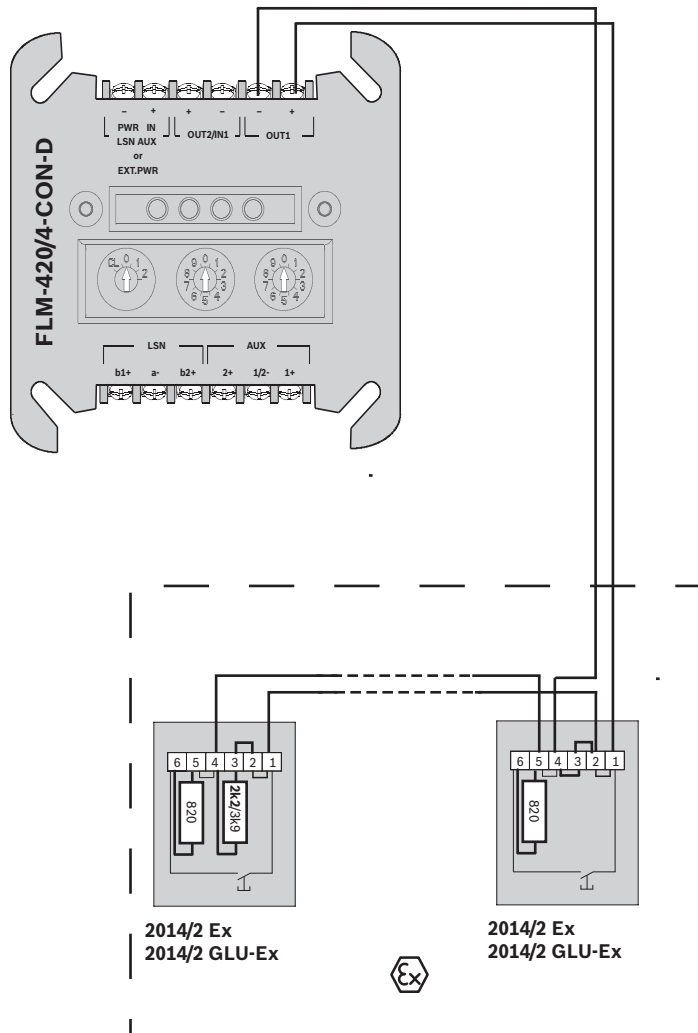
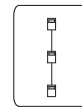


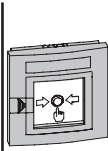
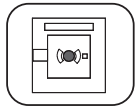
MSS 400, MSS 400 B  
 FCH-320-T320  
 FCH-T320-R470, FCH-T320-FSA  
 FCP-O320, FCP-O320-R470  
 FCP-OC320, FCP-OC320-R470  
 FCP-OT320, FCP-OT320-R470



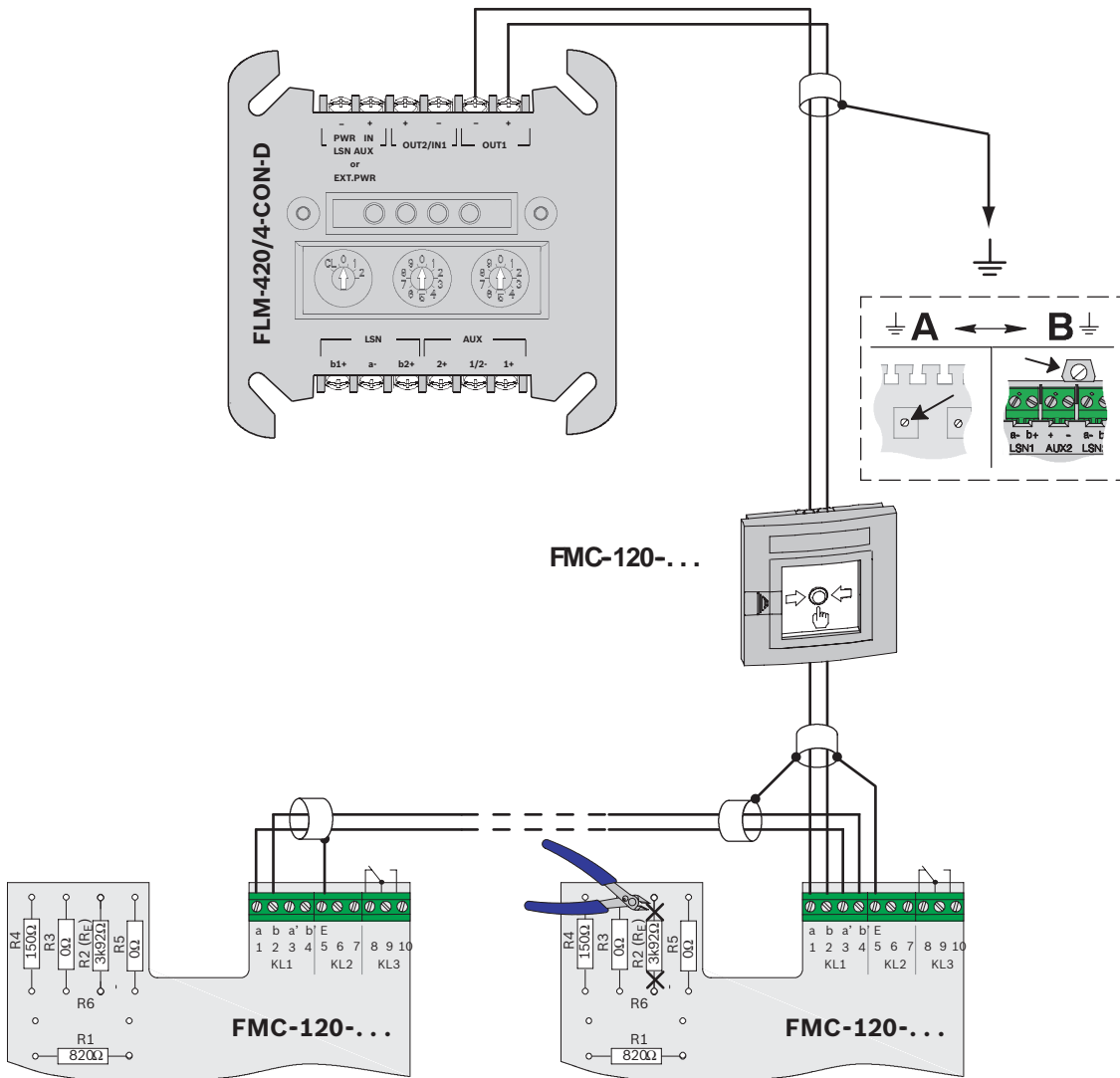
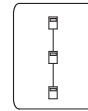


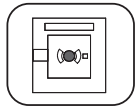
**2014/2 Ex**  
**2014/2 GLU-Ex**



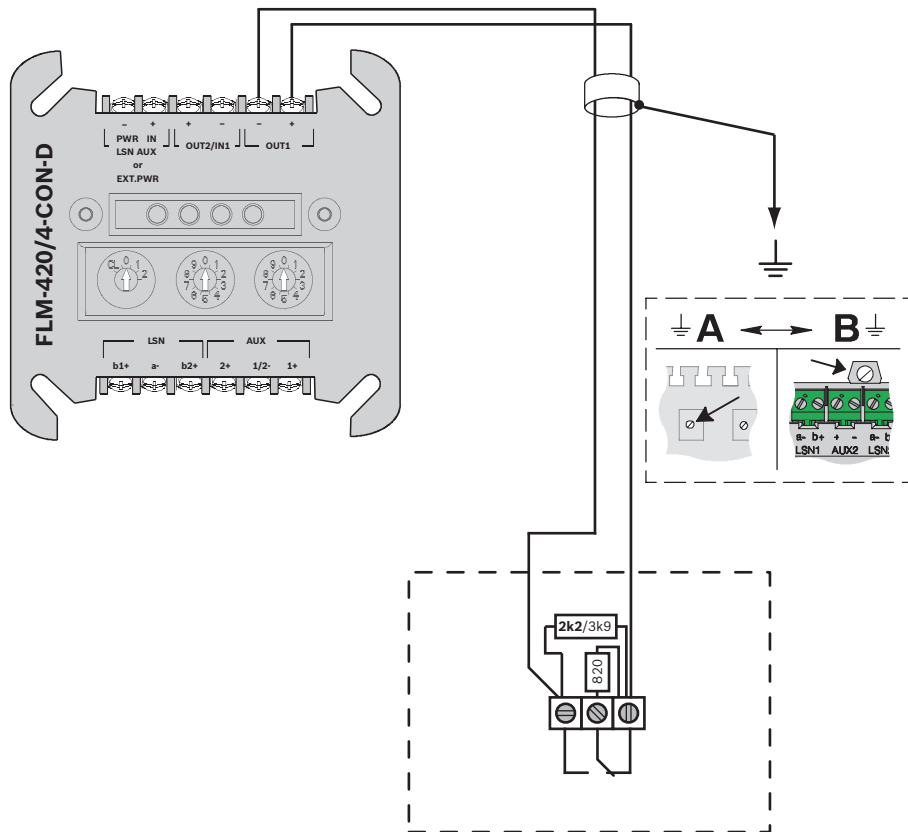
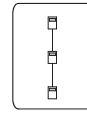


FMC-120-DKM-G-R FMC-120-DKM-G-Y  
 FMC-120-DKM-H-R FMC-120-EST-G-B  
 FMC-120-DKM-G-B  
 FMC-120-DKM-H-B



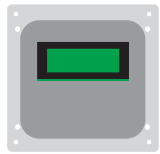


NO



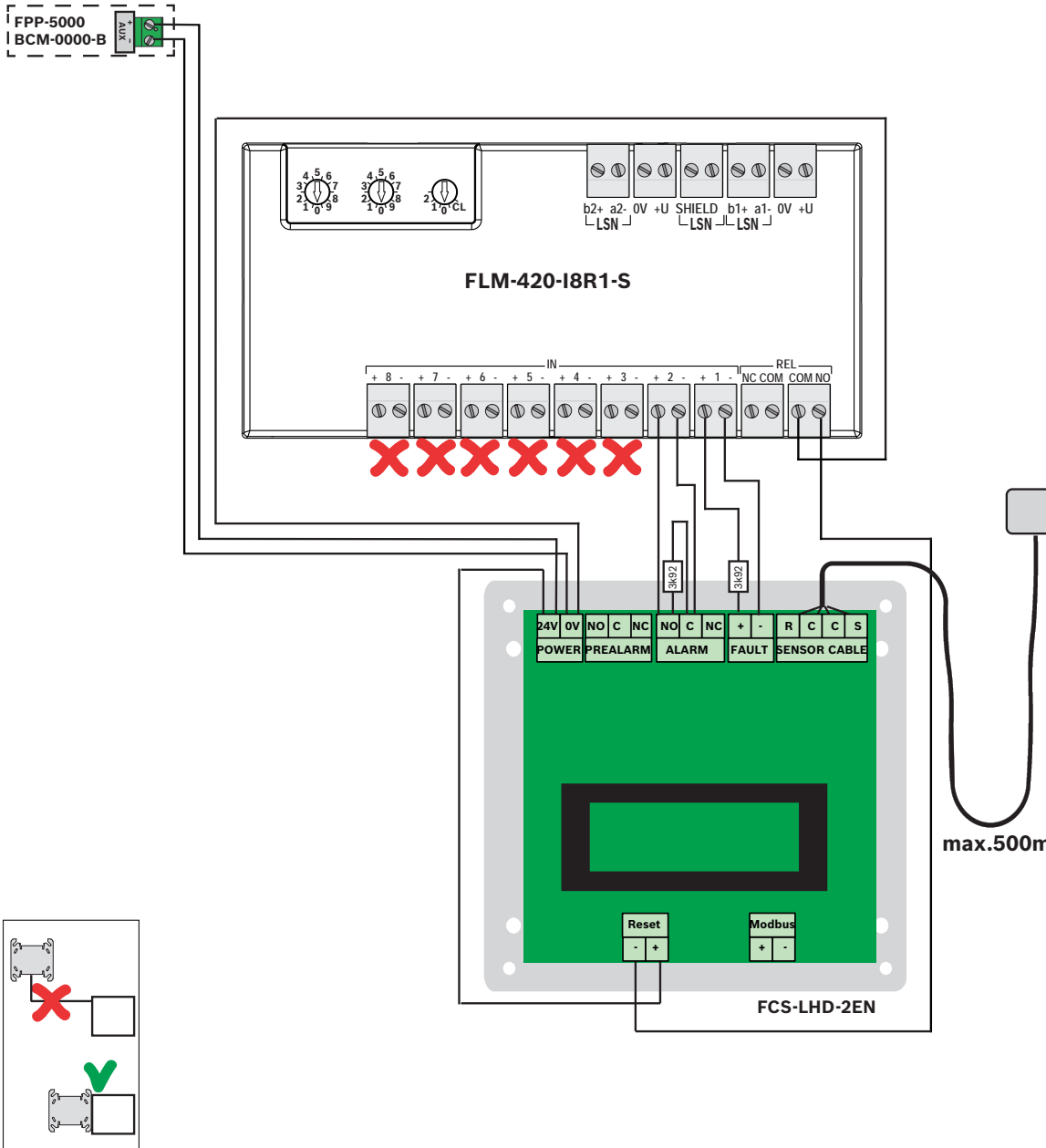
2.5.2

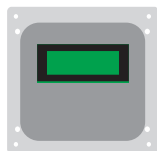
FLM-420-I8R1-S



ProReact EN Analogue

FCS-LHD-2EN





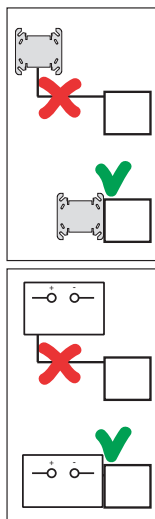
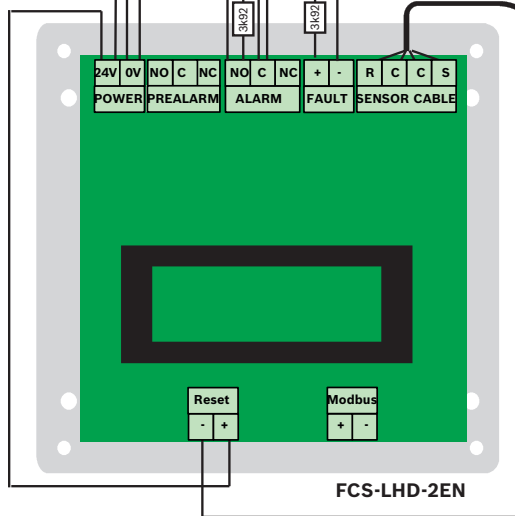
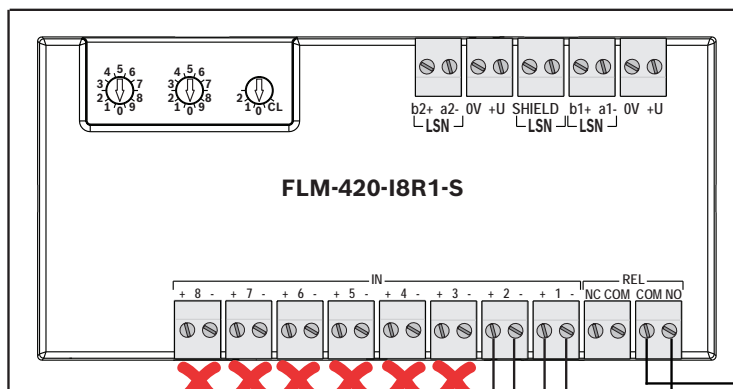
ProReact EN Analogue

FCS-LHD-2EN

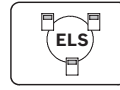


ELS

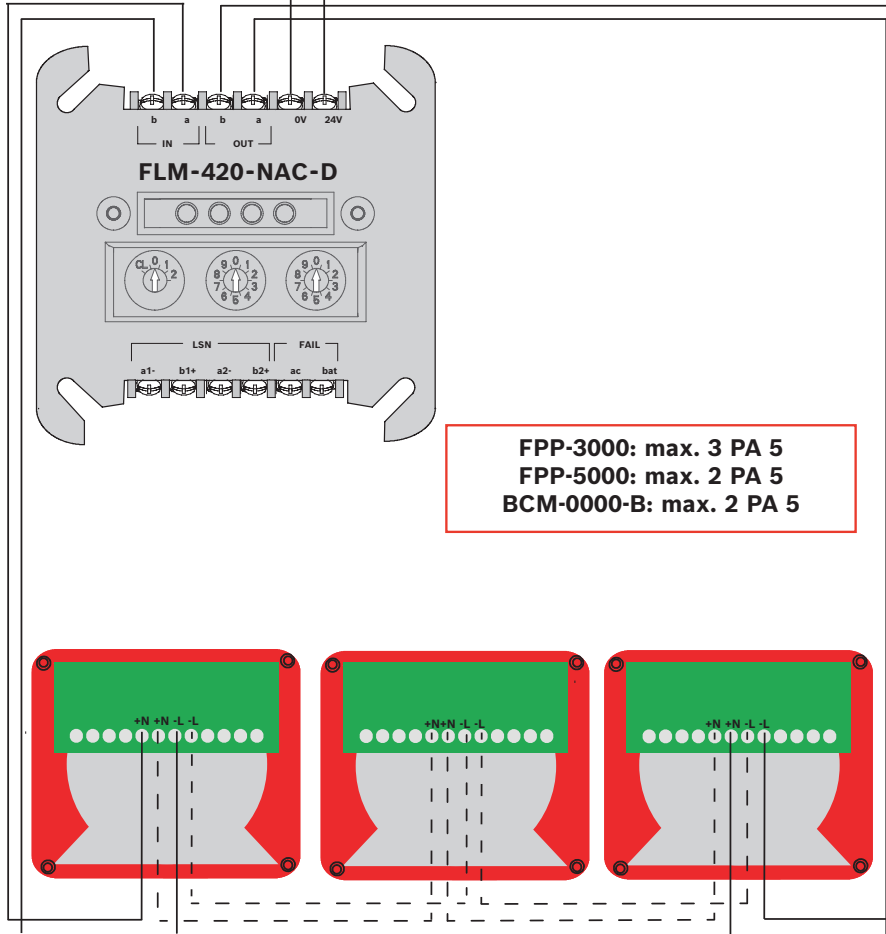
FPP-3000(ZSP135-DR)  
FPP-5000  
BCM-0000-B



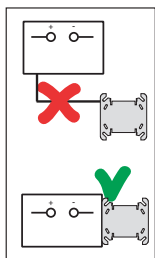
### 2.5.3 FLM-420-NAC-D/S



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



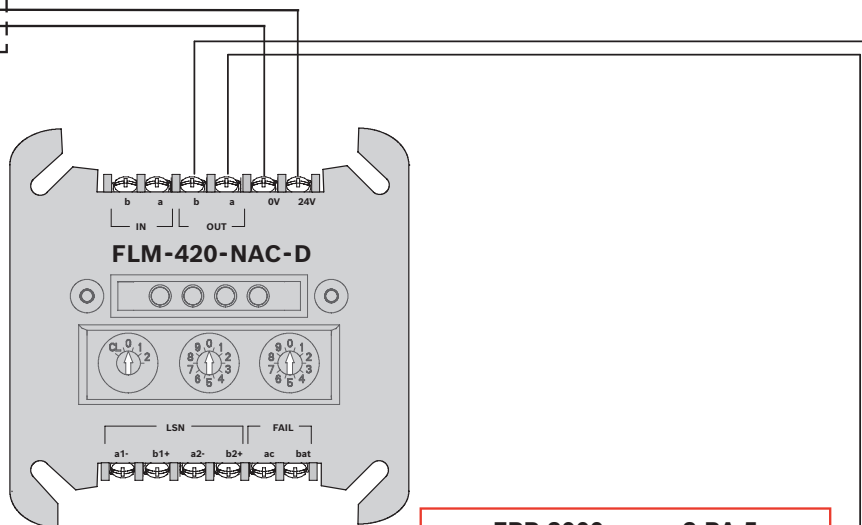
**FPP-3000: max. 3 PA 5**  
**FPP-5000: max. 2 PA 5**  
**BCM-0000-B: max. 2 PA 5**



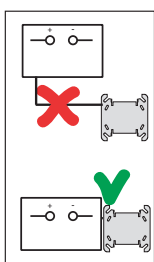
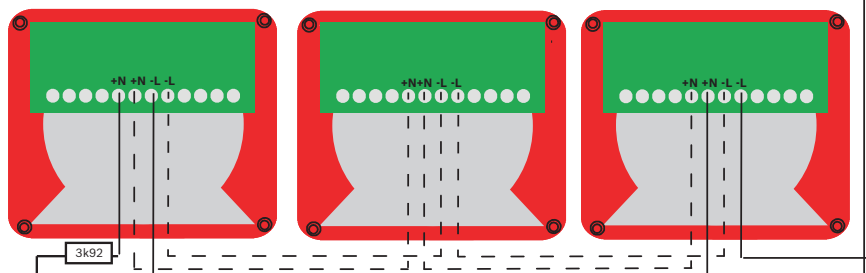


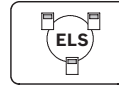


FPP-3000  
FPP-5000  
BCM-0000-B

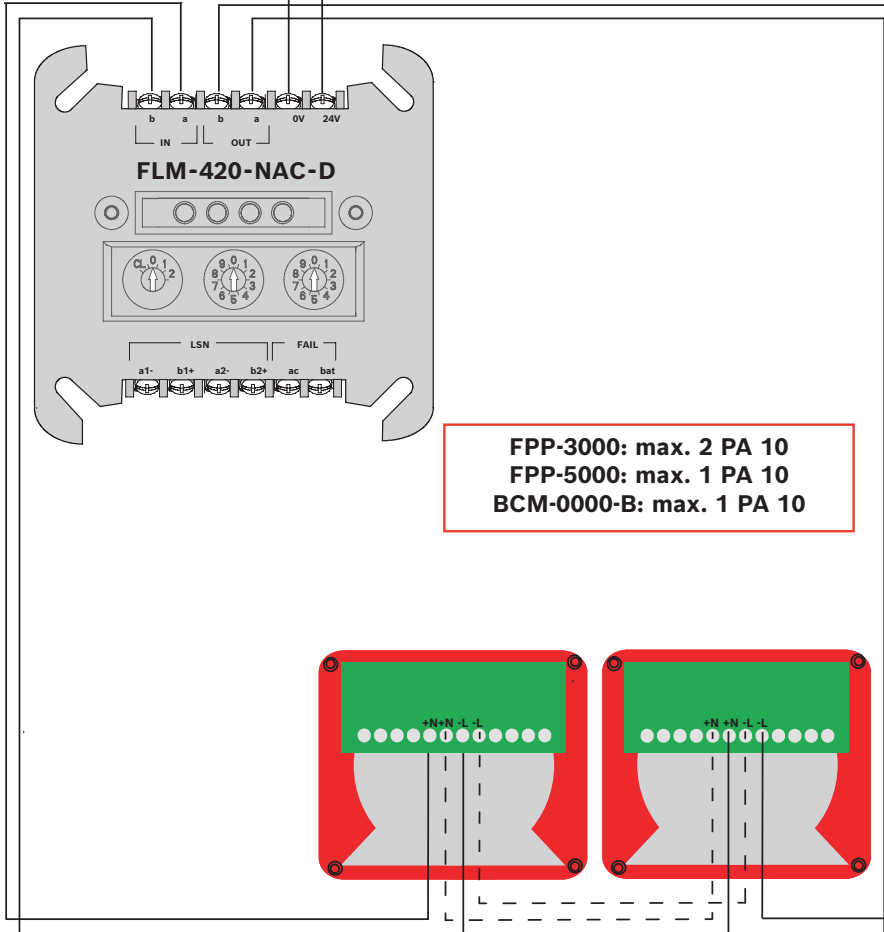


**FPP-3000: max. 3 PA 5**  
**FPP-5000: max. 2 PA 5**  
**BCM-0000-B: max. 2 PA 5**

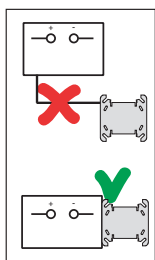




FPP-3000(ZSP135-DR)  
 FPP-5000  
 BCM-0000-B

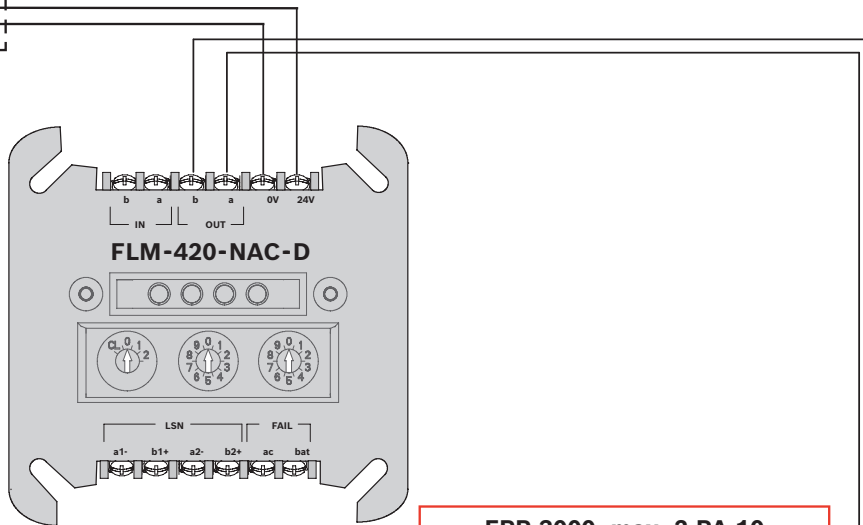


**FPP-3000: max. 2 PA 10**  
**FPP-5000: max. 1 PA 10**  
**BCM-0000-B: max. 1 PA 10**

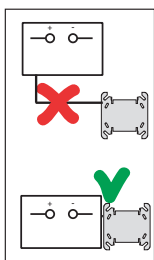
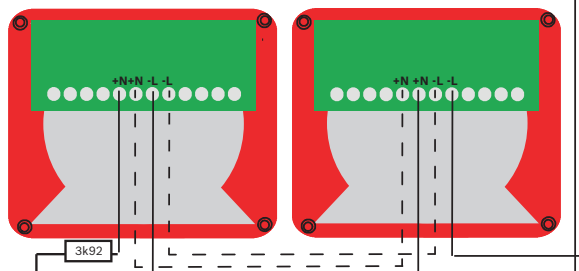


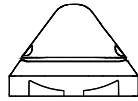


FPP-3000  
FPP-5000  
BCM-0000-B

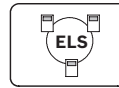


**FPP-3000: max. 2 PA 10**  
**FPP-5000: max. 1 PA 10**  
**BCM-0000-B: max. 1 PA 10**

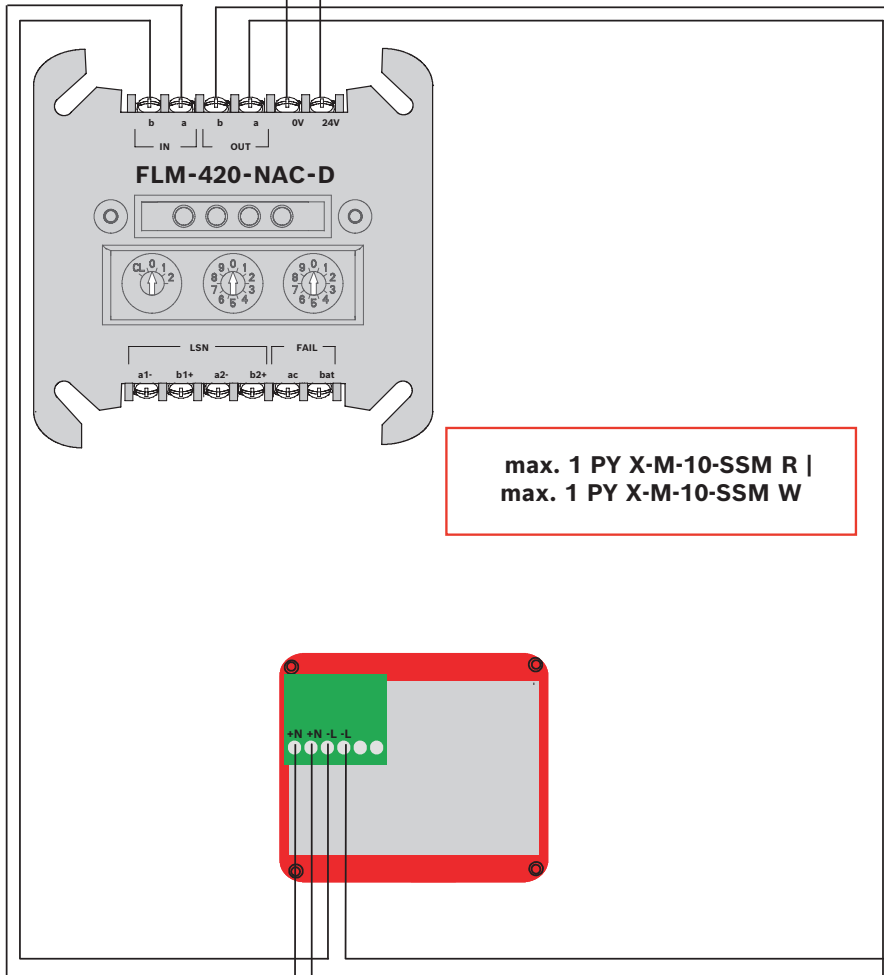




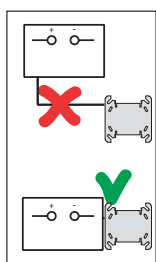
**PY X-M-10-SSM R**  
**PY X-M-10-SSM W**

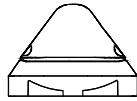


FPP-3000(ZSP-135-DR)  
FPP-5000  
BCM-0000-B



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

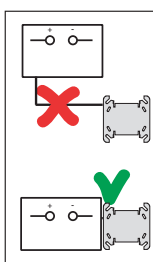
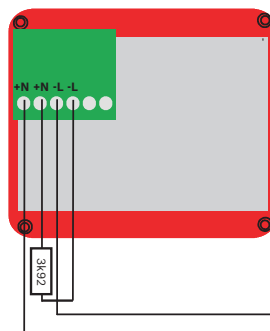
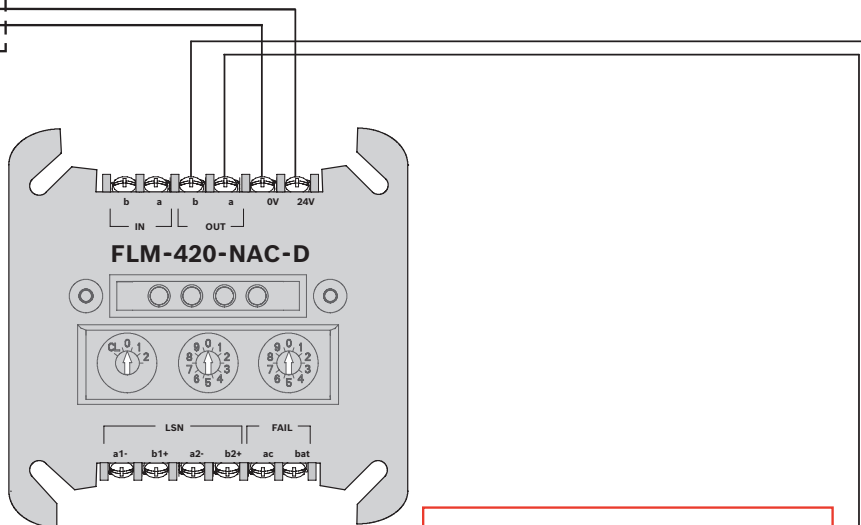




**PY X-M-10-SSM R**  
**PY X-M-10-SSM W**

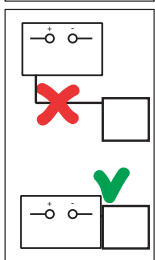
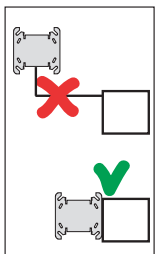
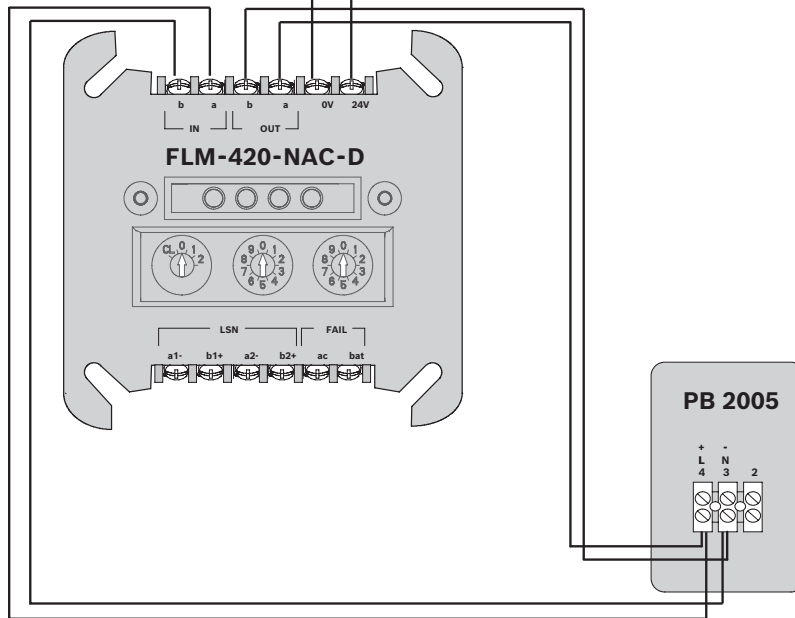
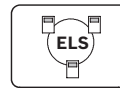


FPP-3000  
FPP-5000  
BCM-0000-B



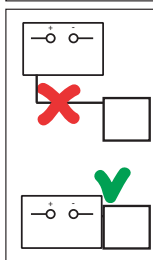
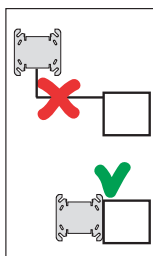
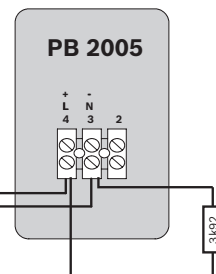
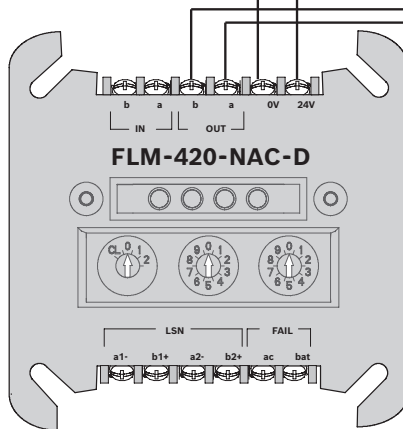


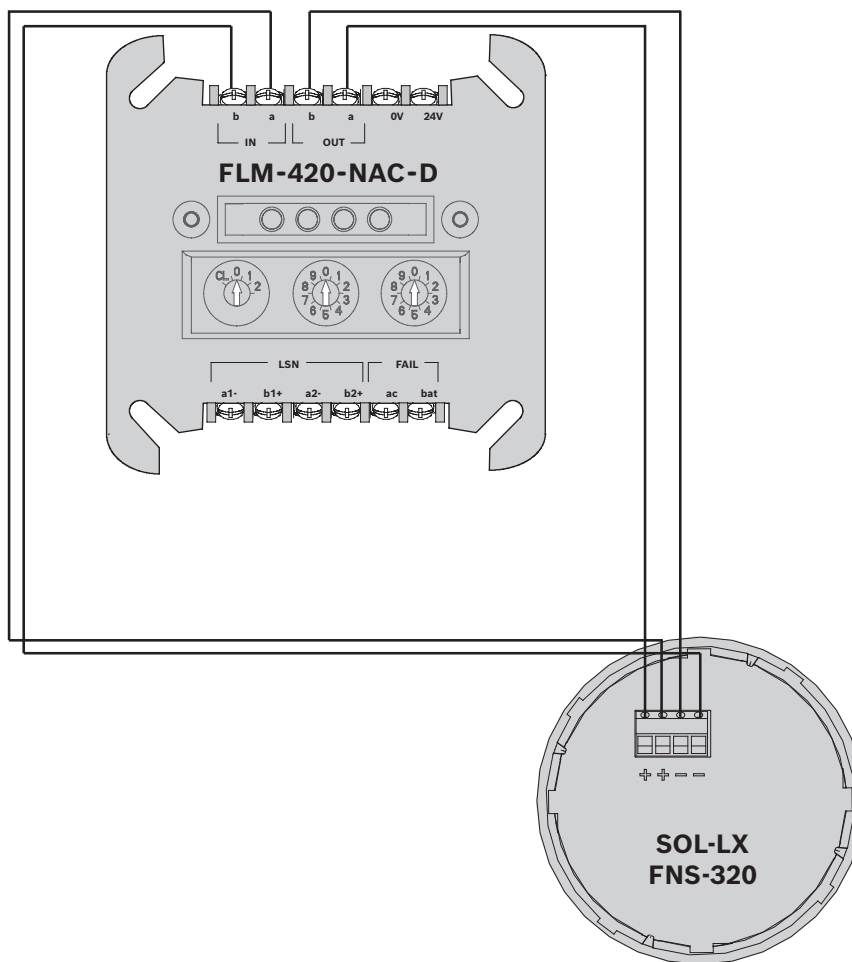
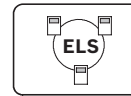
PB 2005



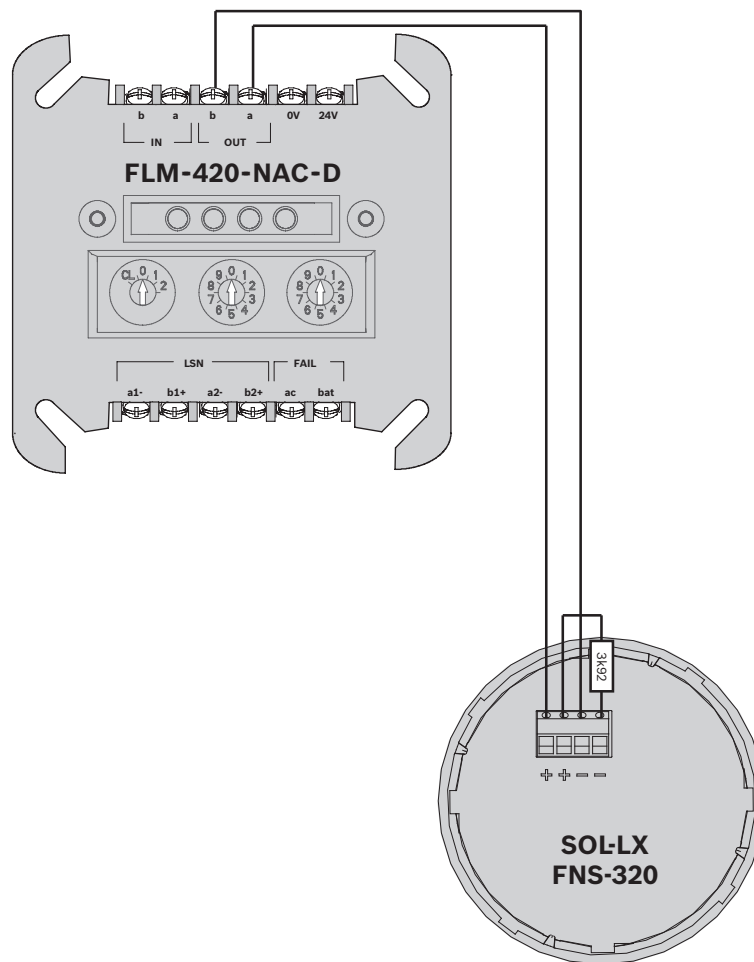
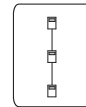


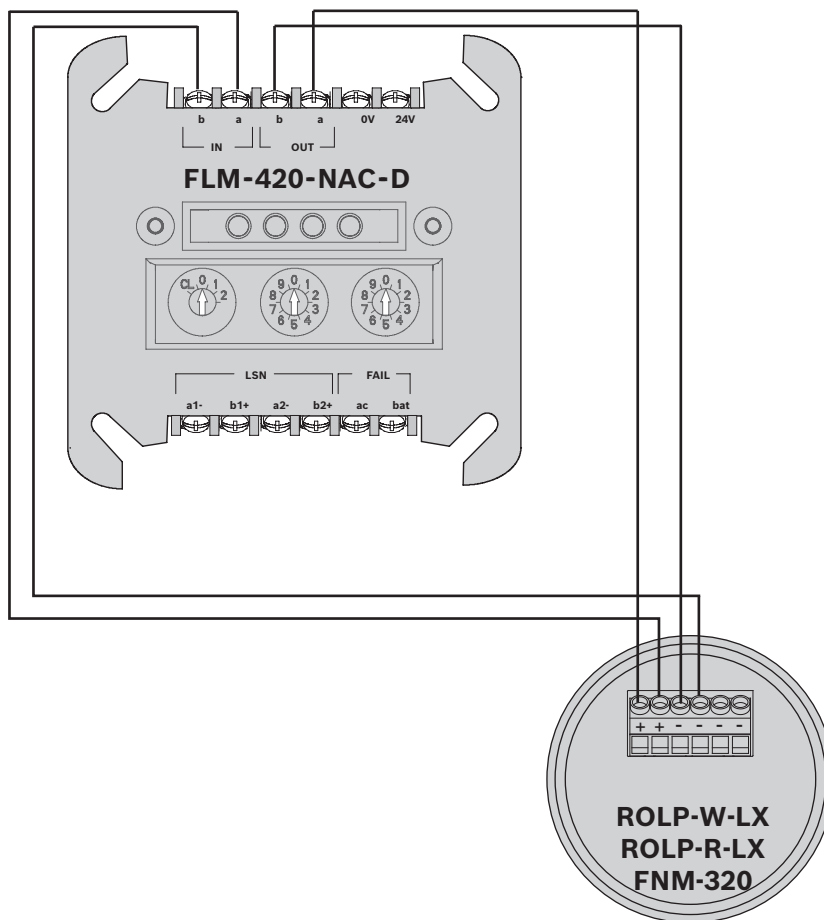
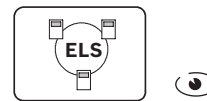
PB 2005

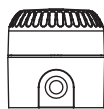




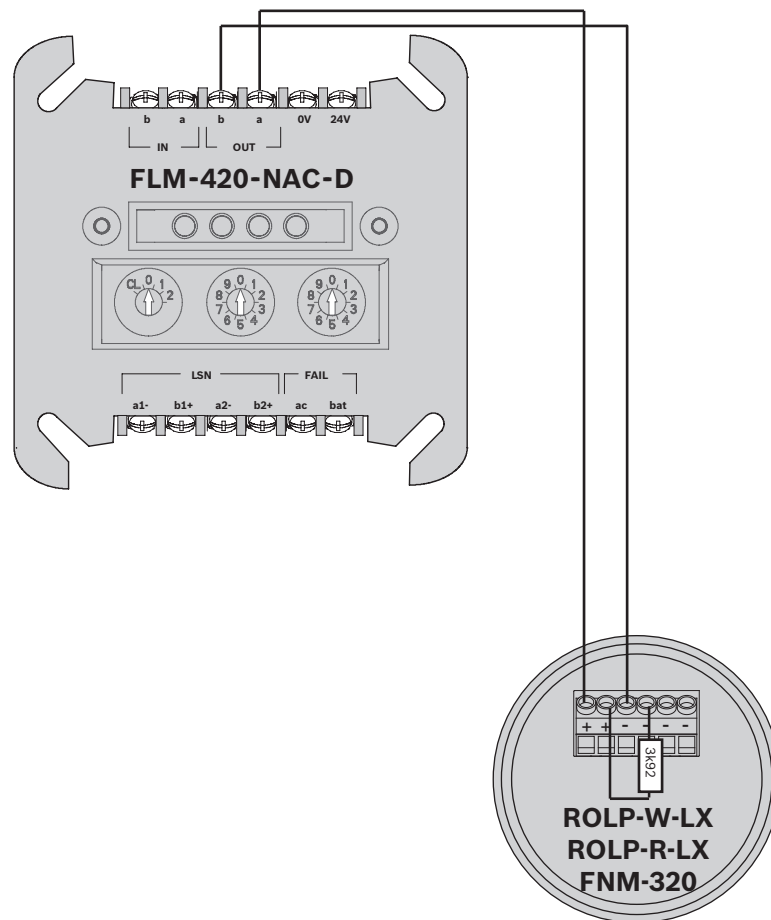
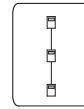




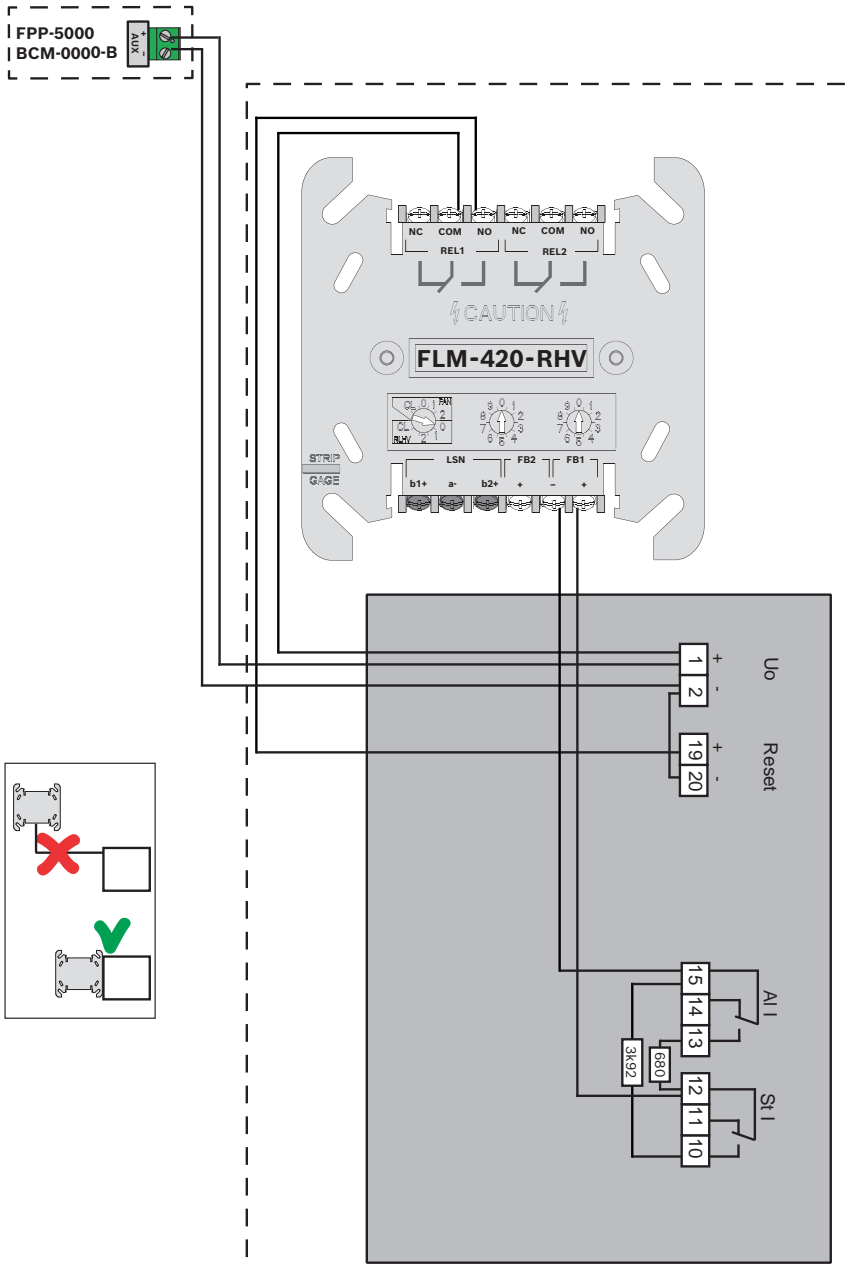




**ROLP-W-LX**  
**ROLP-R-LX**  
**FNM-320**



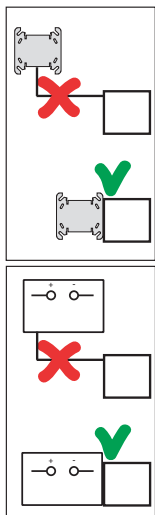
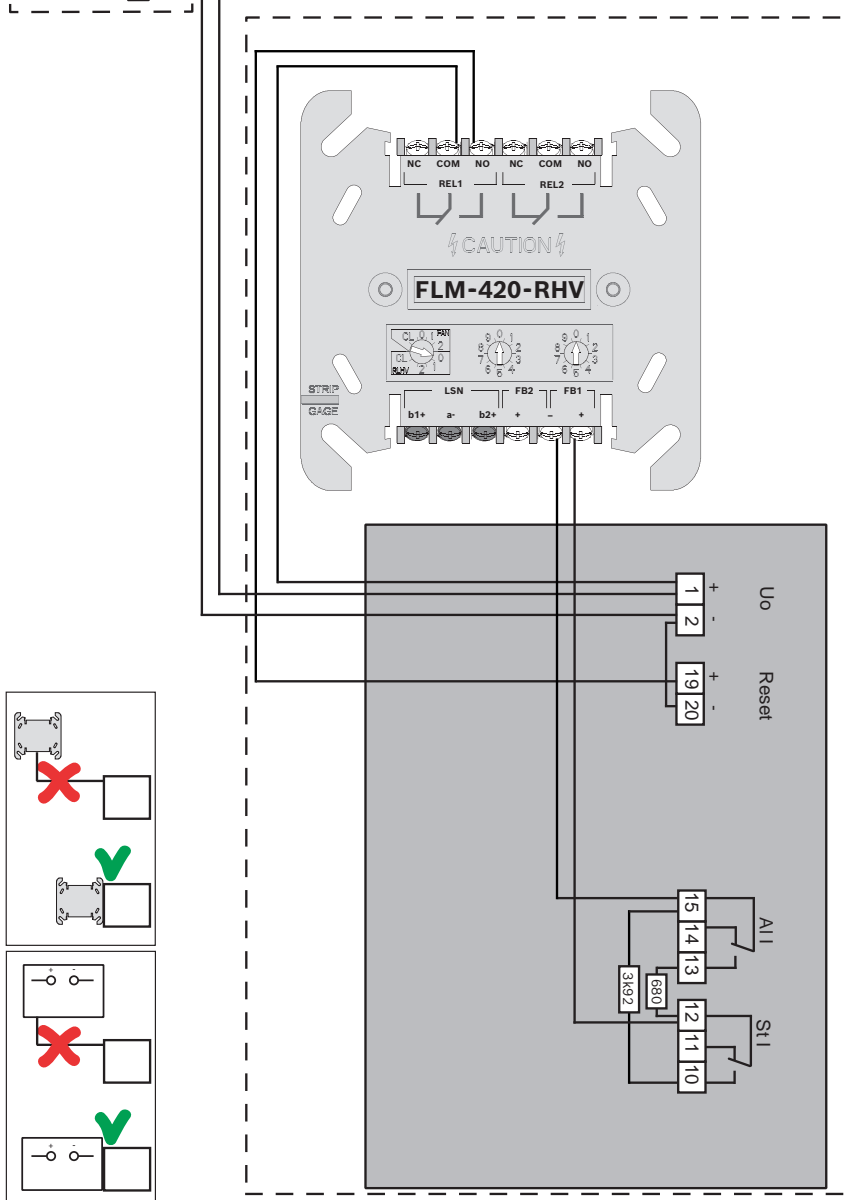
### 2.5.4 FLM-420-RHV

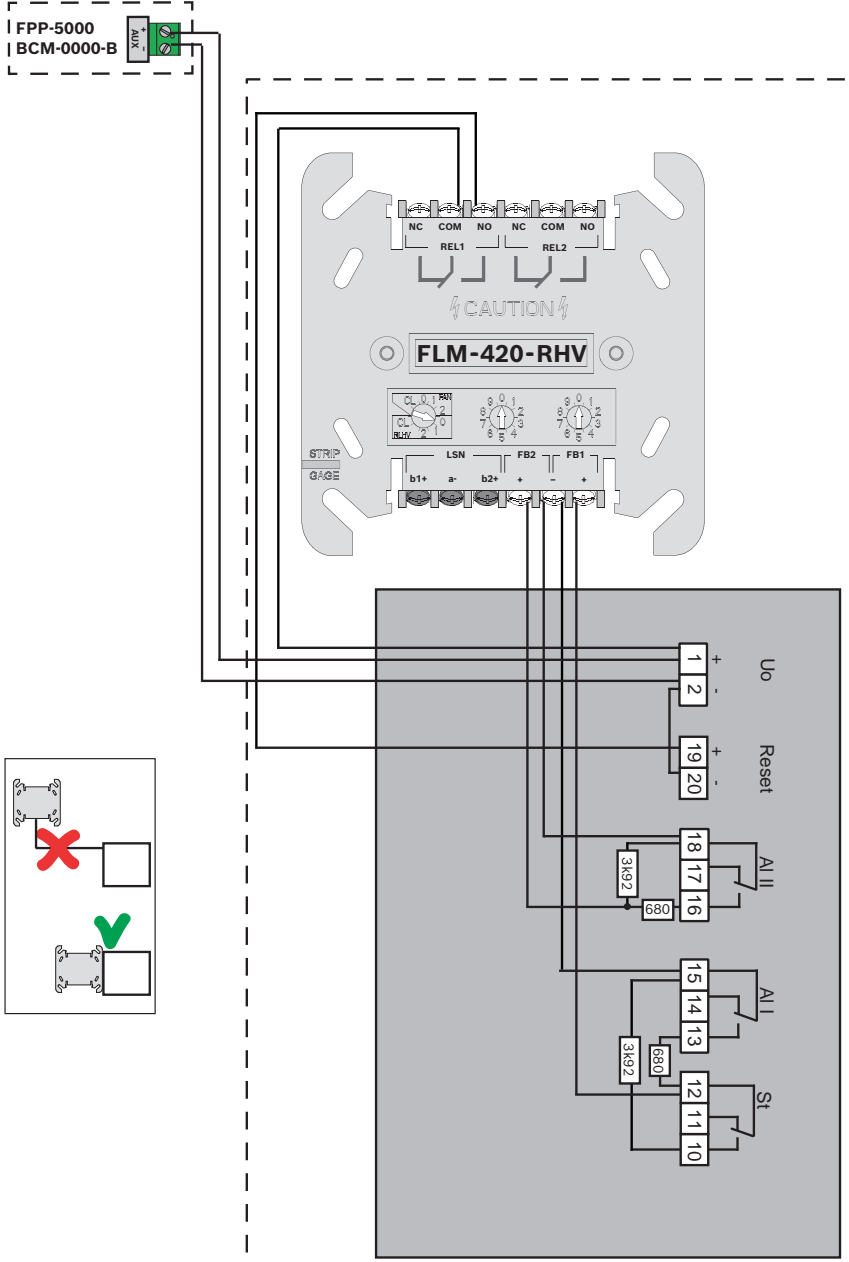
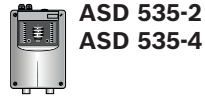




ELS

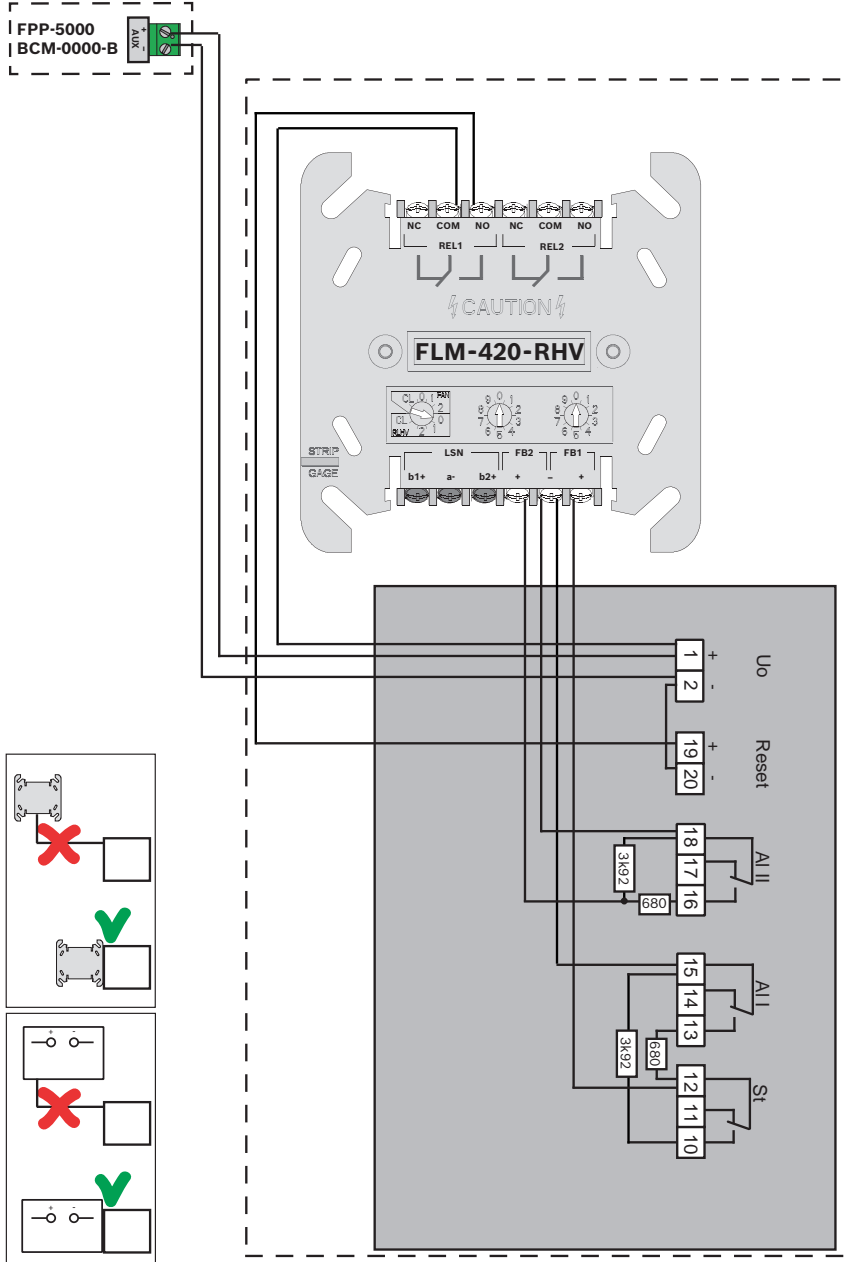
FPP-5000  
BCM-0000-B

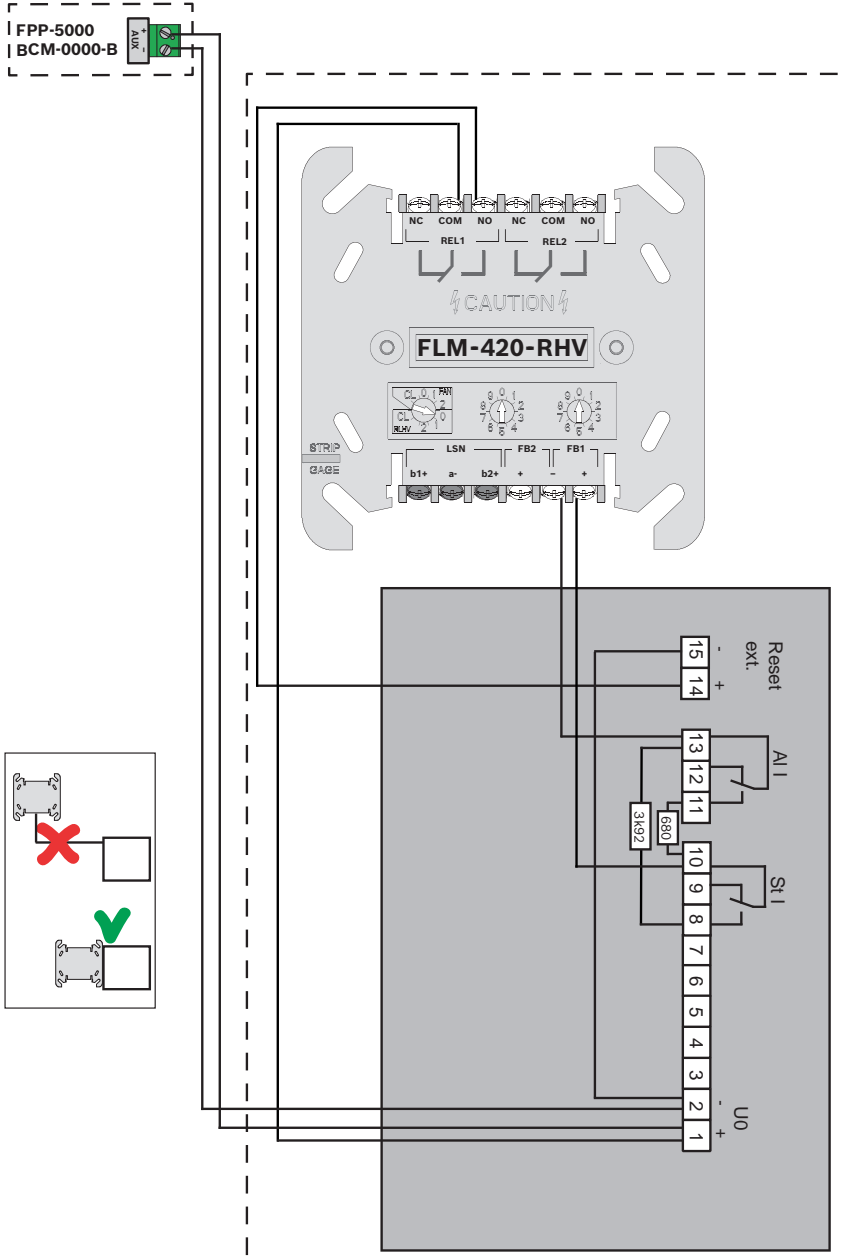






ELS

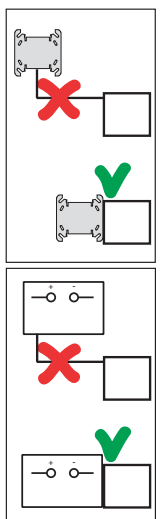
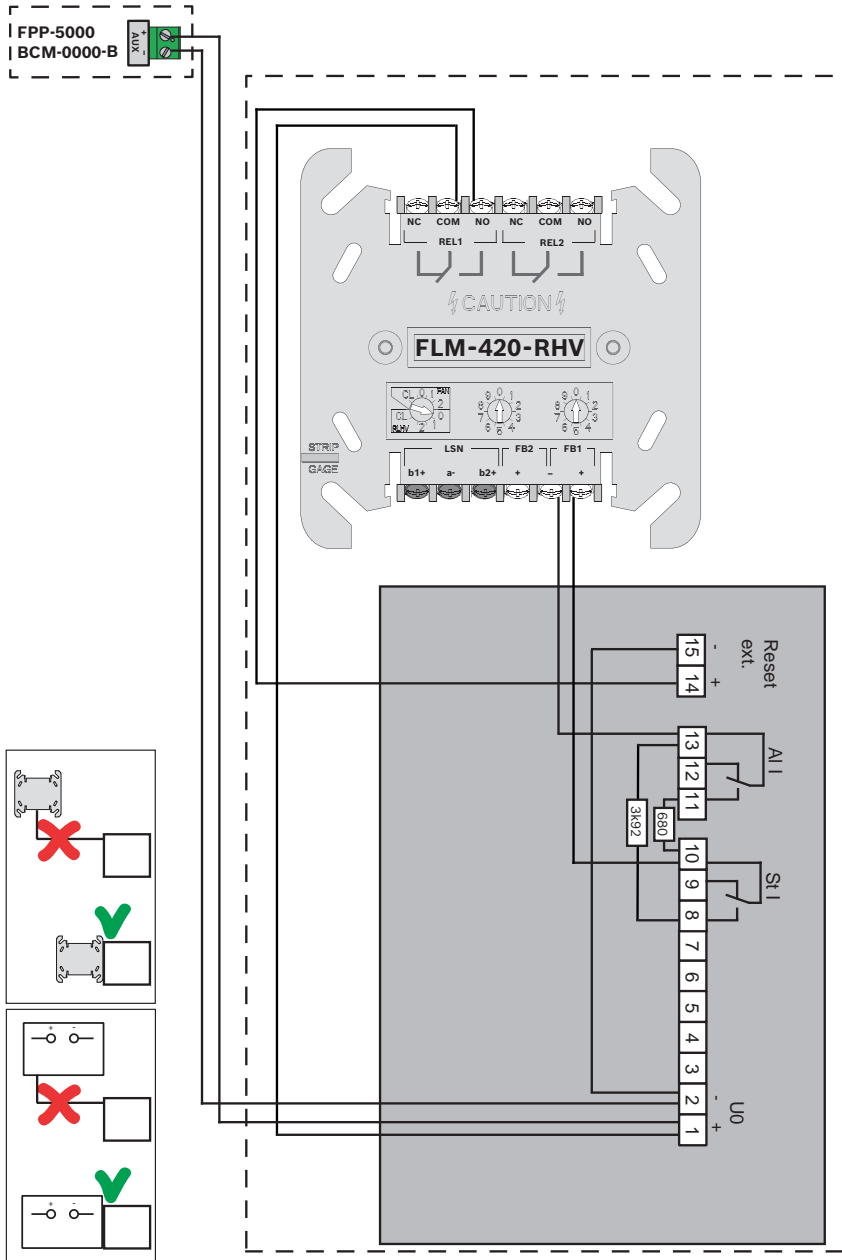






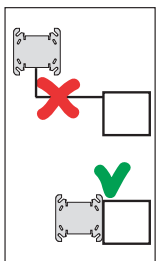
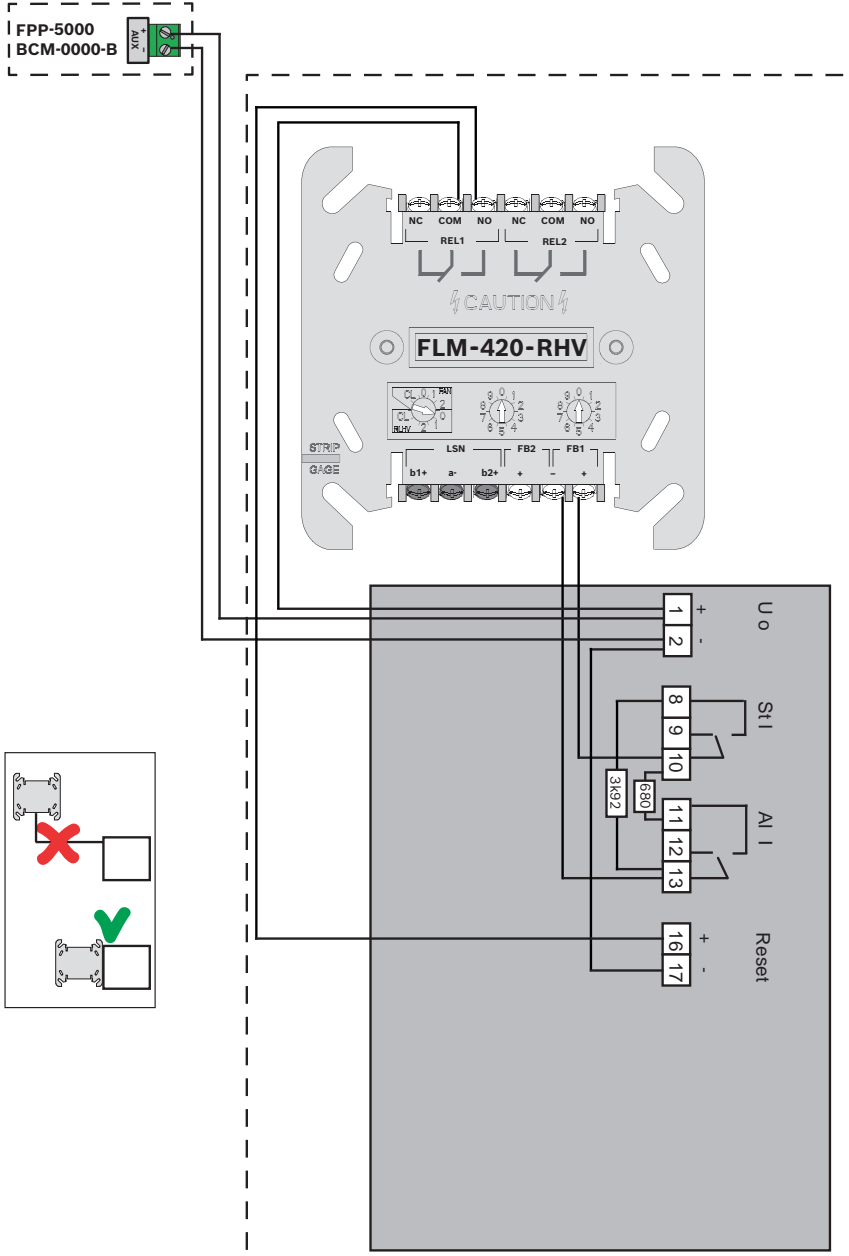


ELS





ADW 535-1

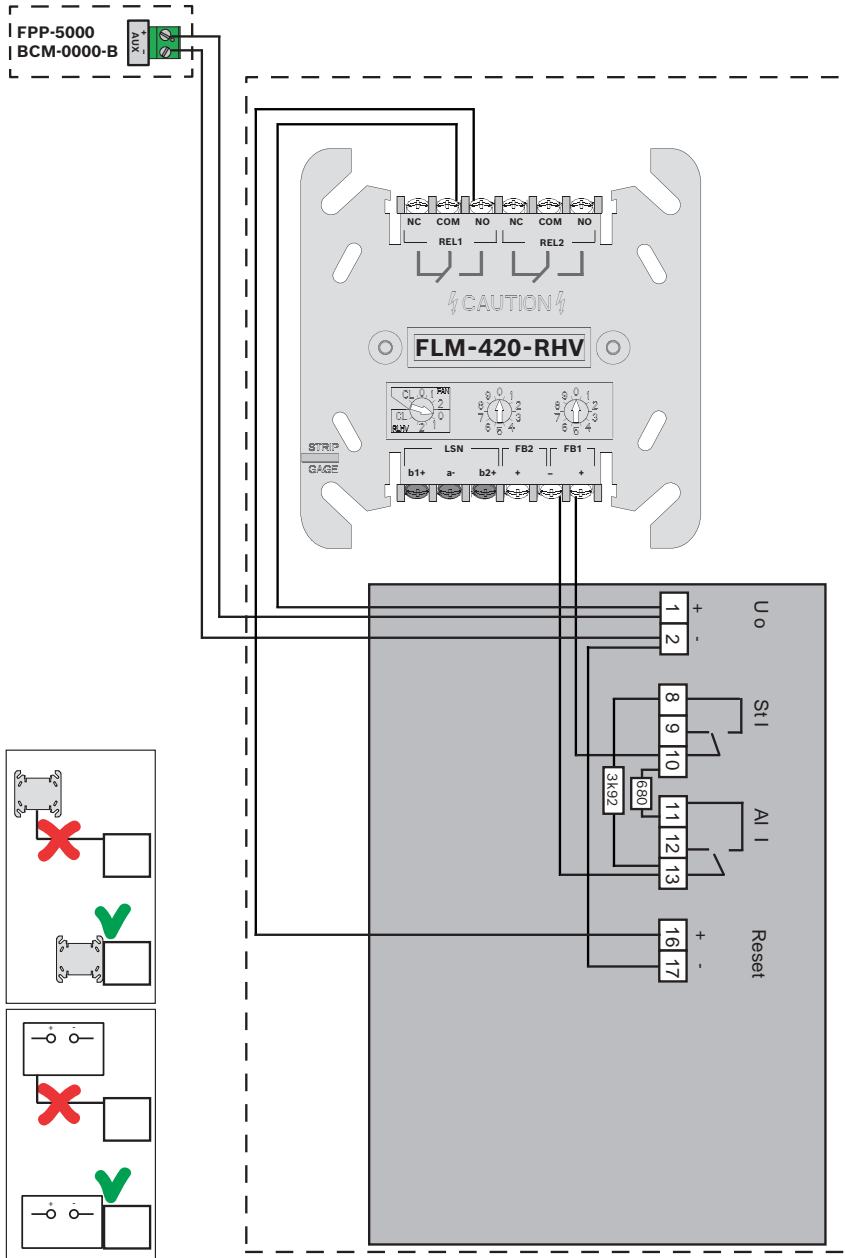




ADW 535-1

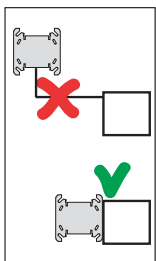
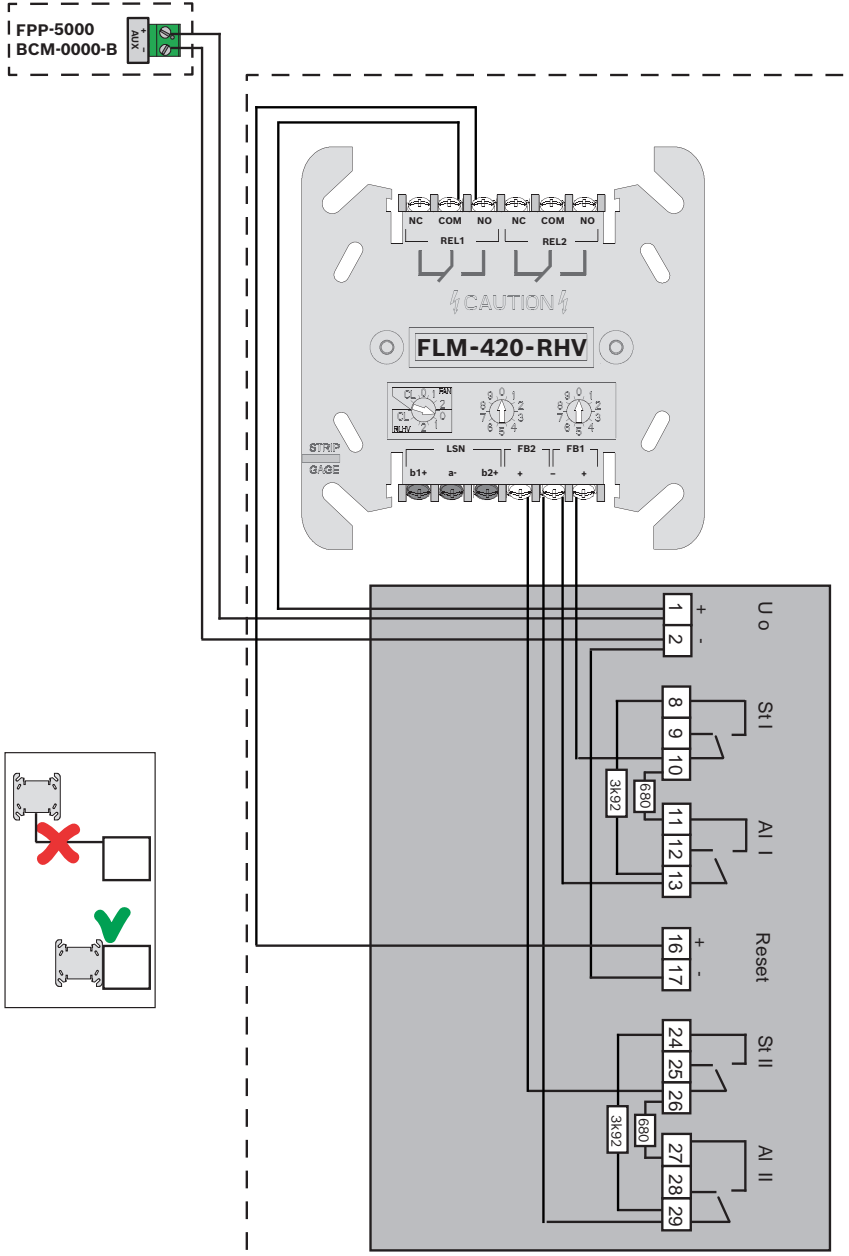


ELS





ADW 535-2

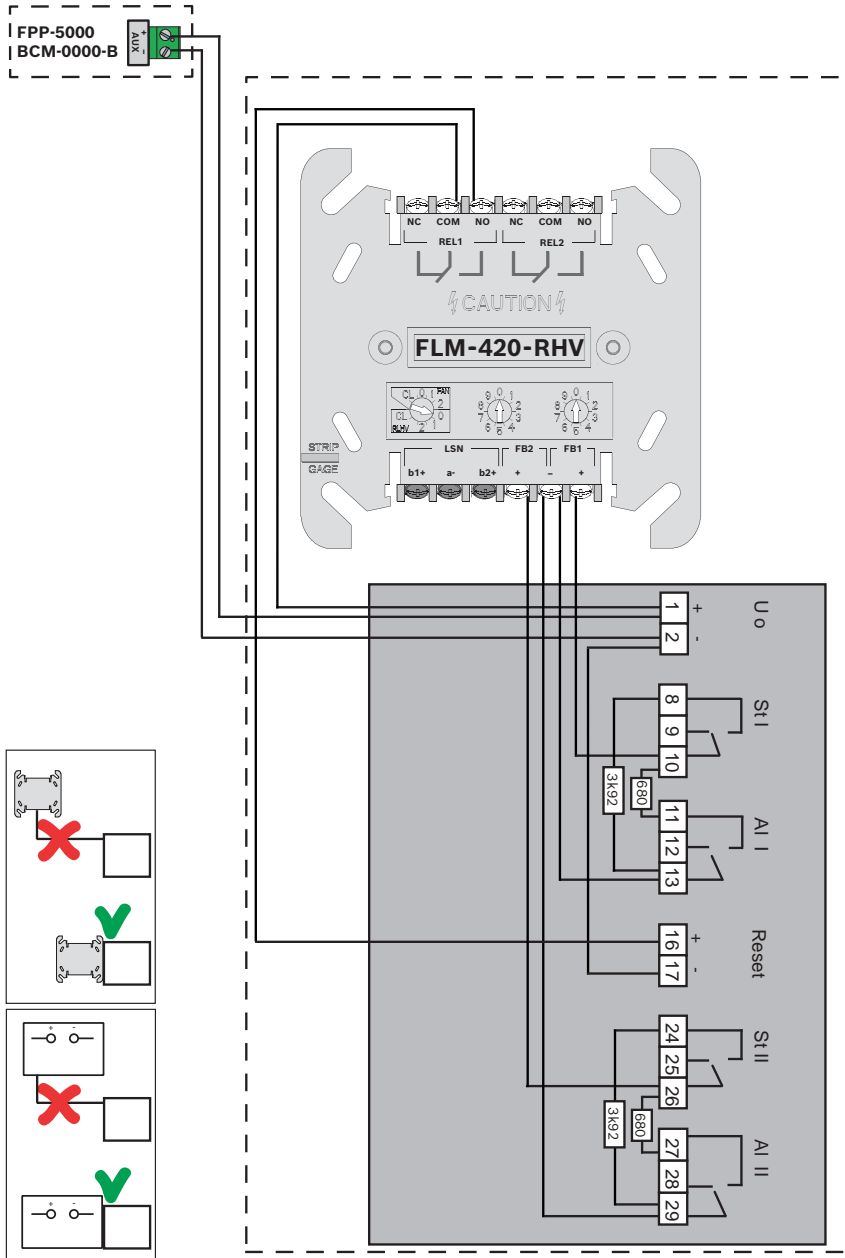




**ADW 535-2**

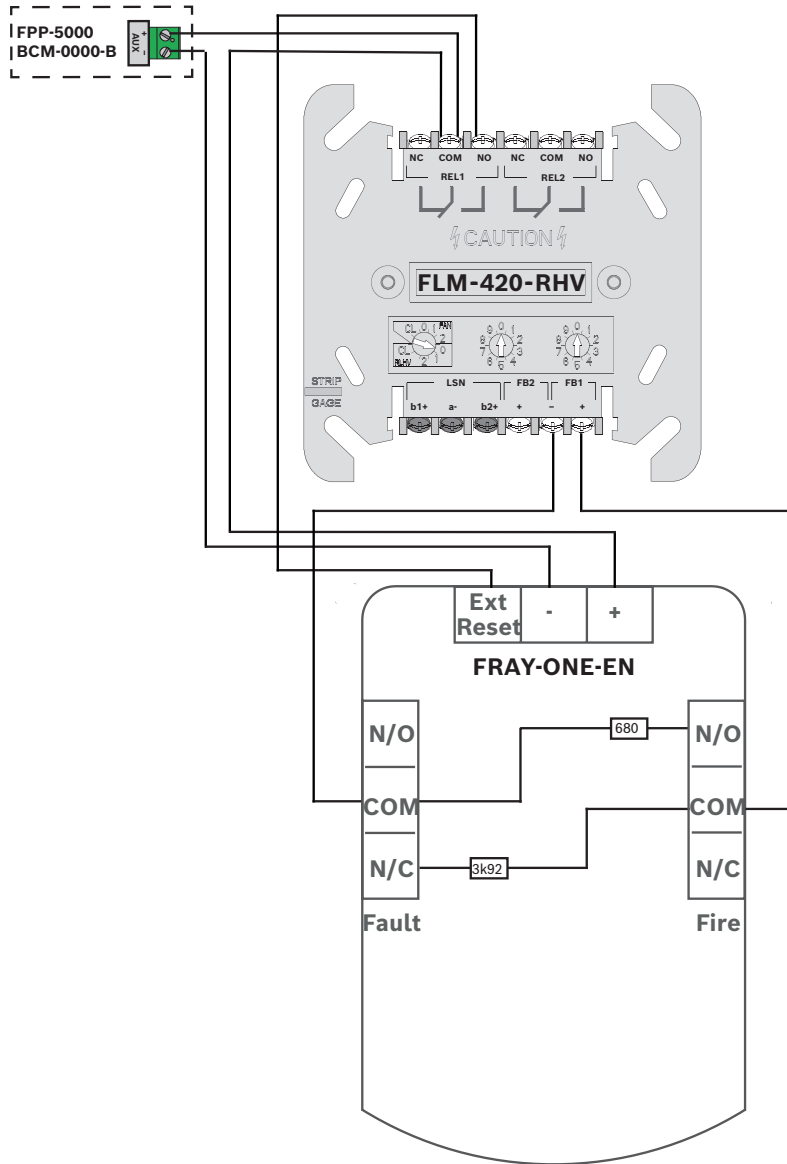


**ELS**





**Fireray One**



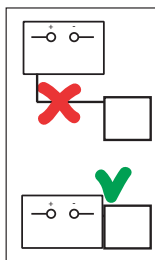
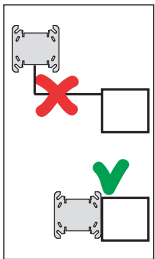
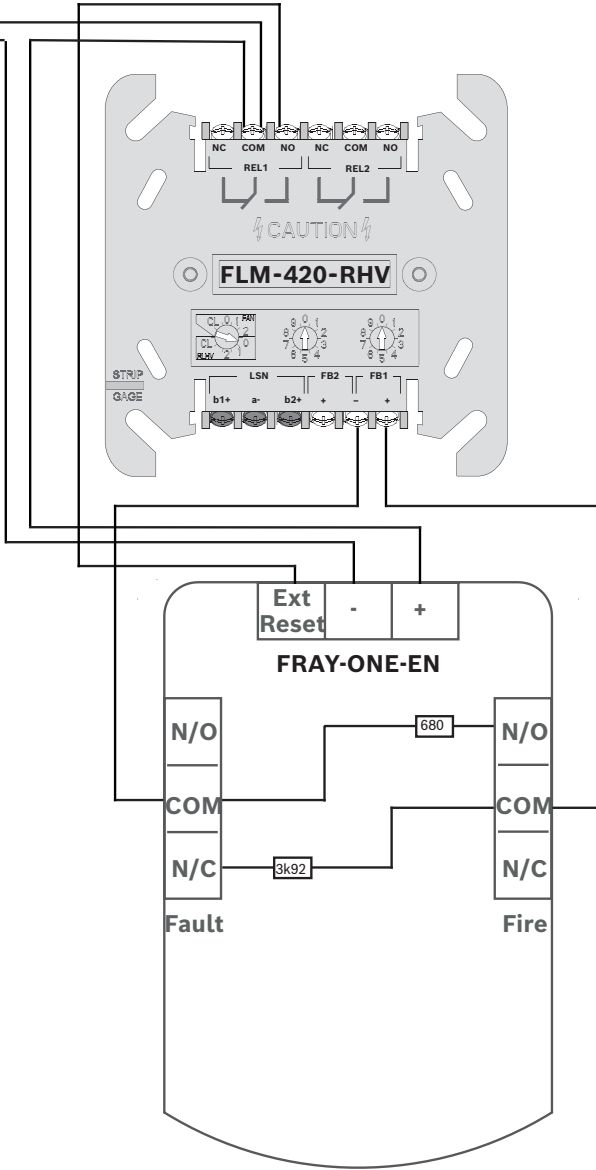


**Fireray One**



**ELS**

FPP-5000  
BCM-0000-B

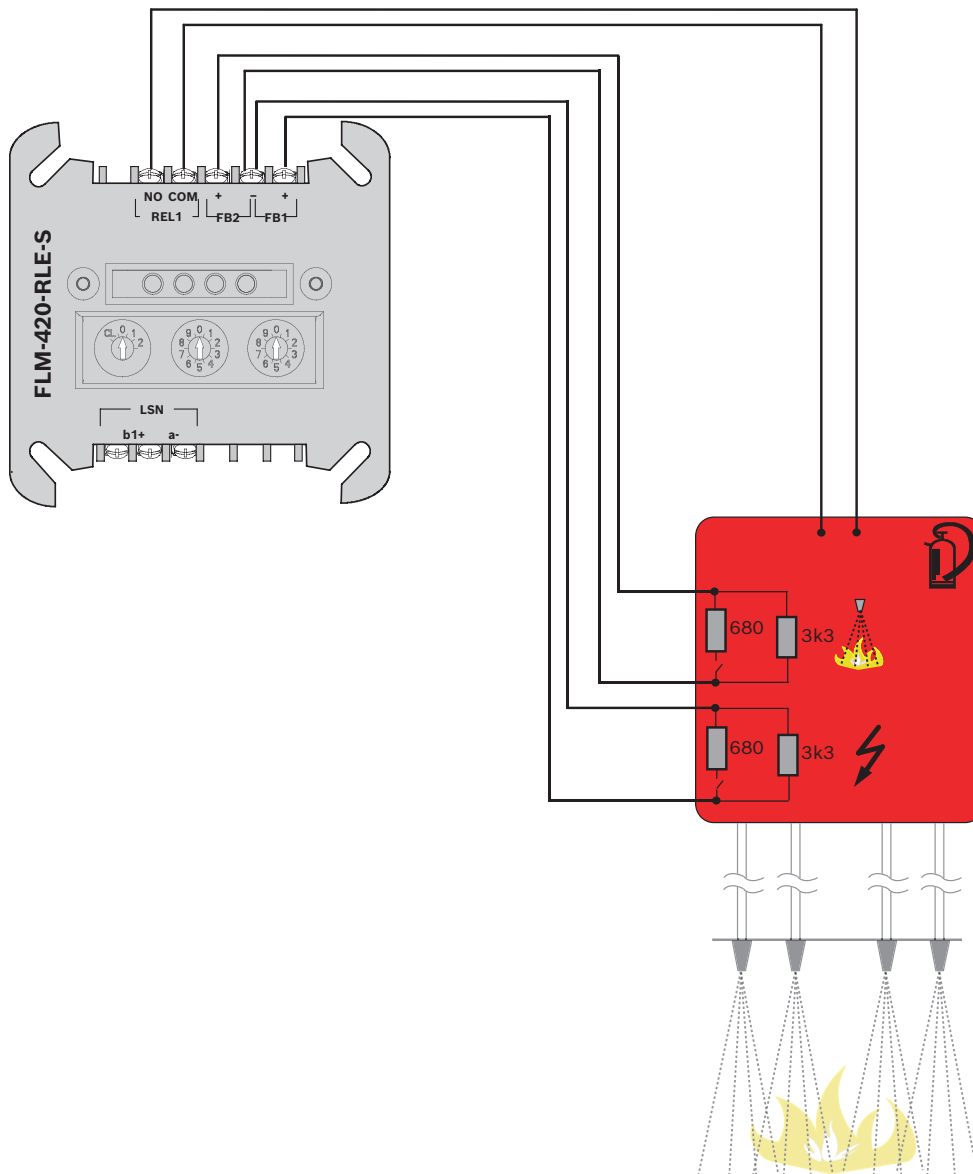


2.5.5

FLM-420-RLE-S

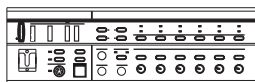
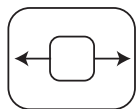


VdS 2496

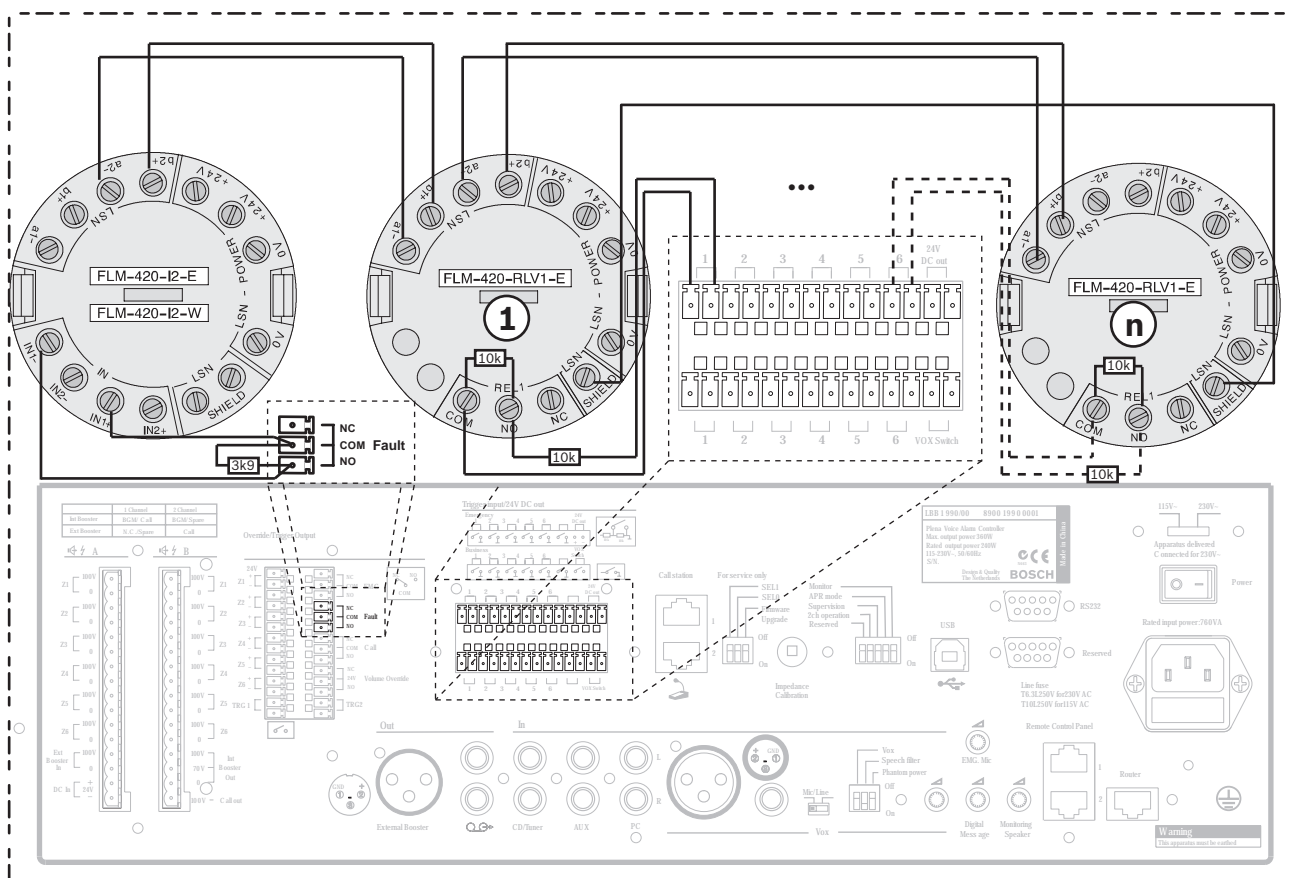




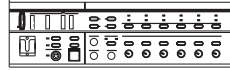
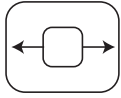
### 2.5.6 FLM-420-RLV1-E



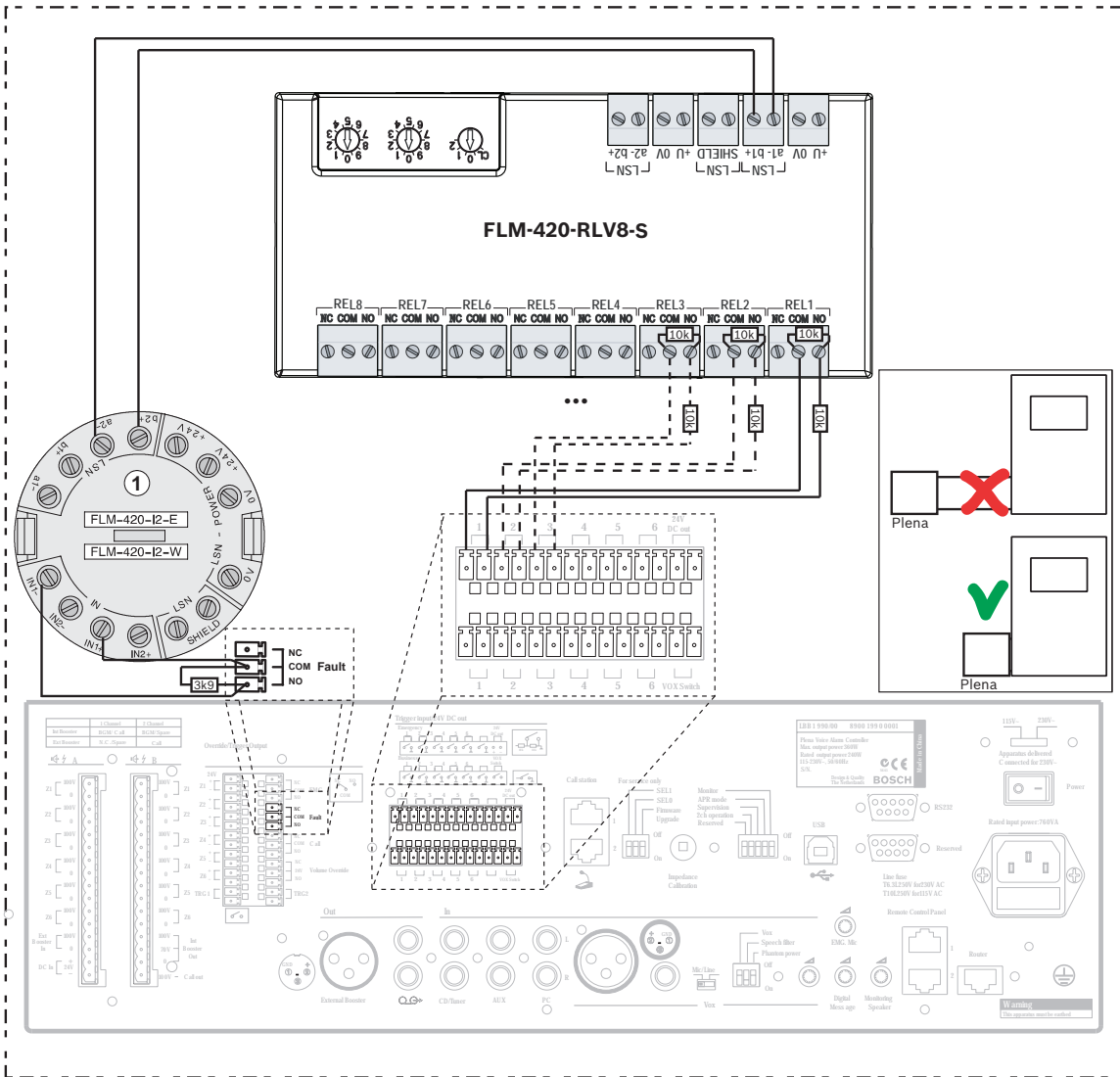
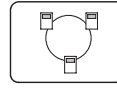
Plena



### 2.5.7 FLM-420-RLV8-S



Plena



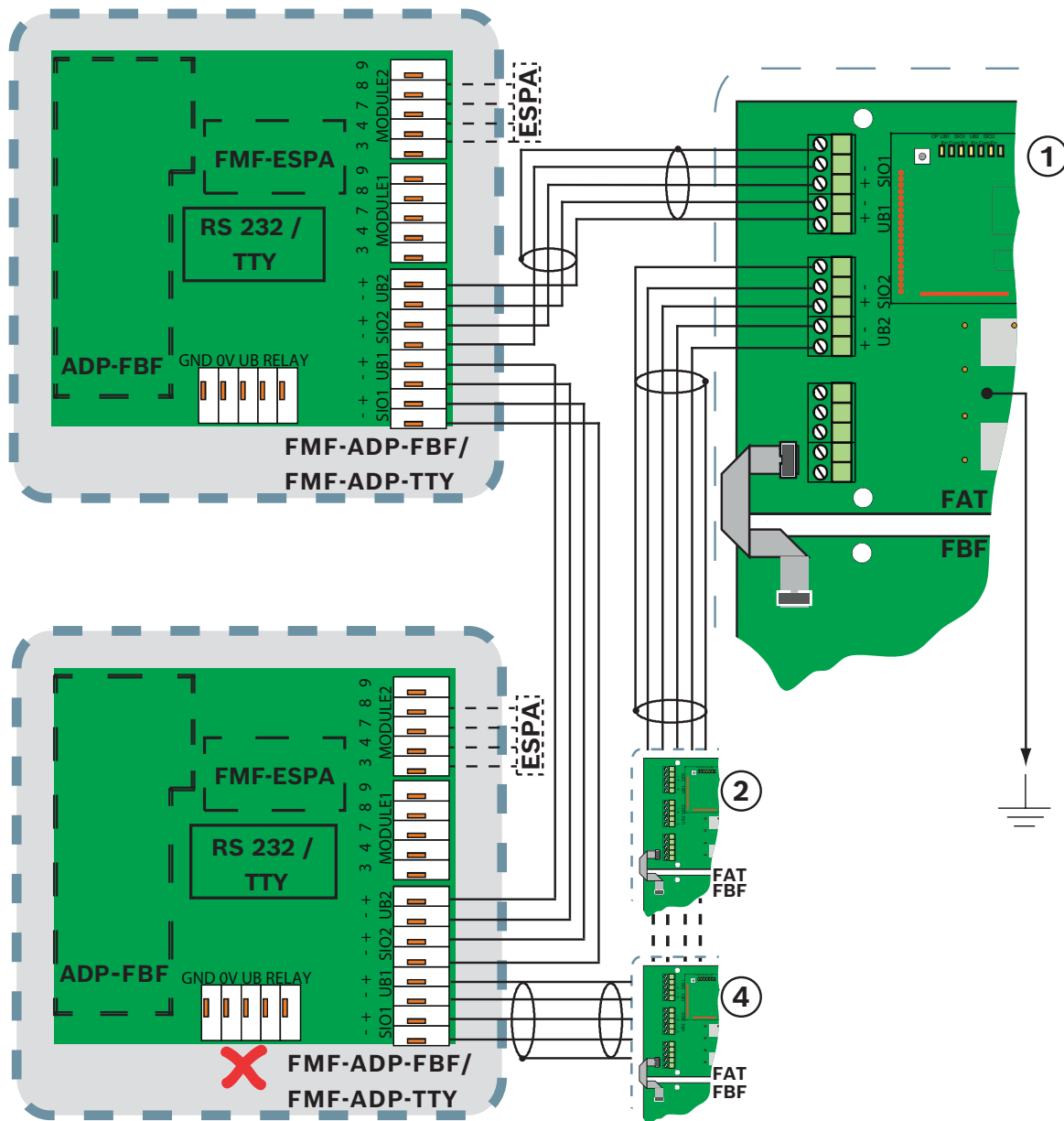
### 2.5.8 FMF-ADP-FBF/FMF-ADP-TTY



FAT4000 FBF4000 ADP4000

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

ELS



## 2.6

### EOL



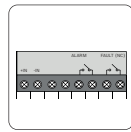
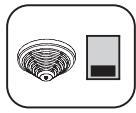
*CZM 0004 A, Página 189*

*LSN 0300 A, Página 201*

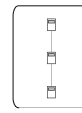
*FLM-420/4-CON-S/D, Página 246*

2.6.1

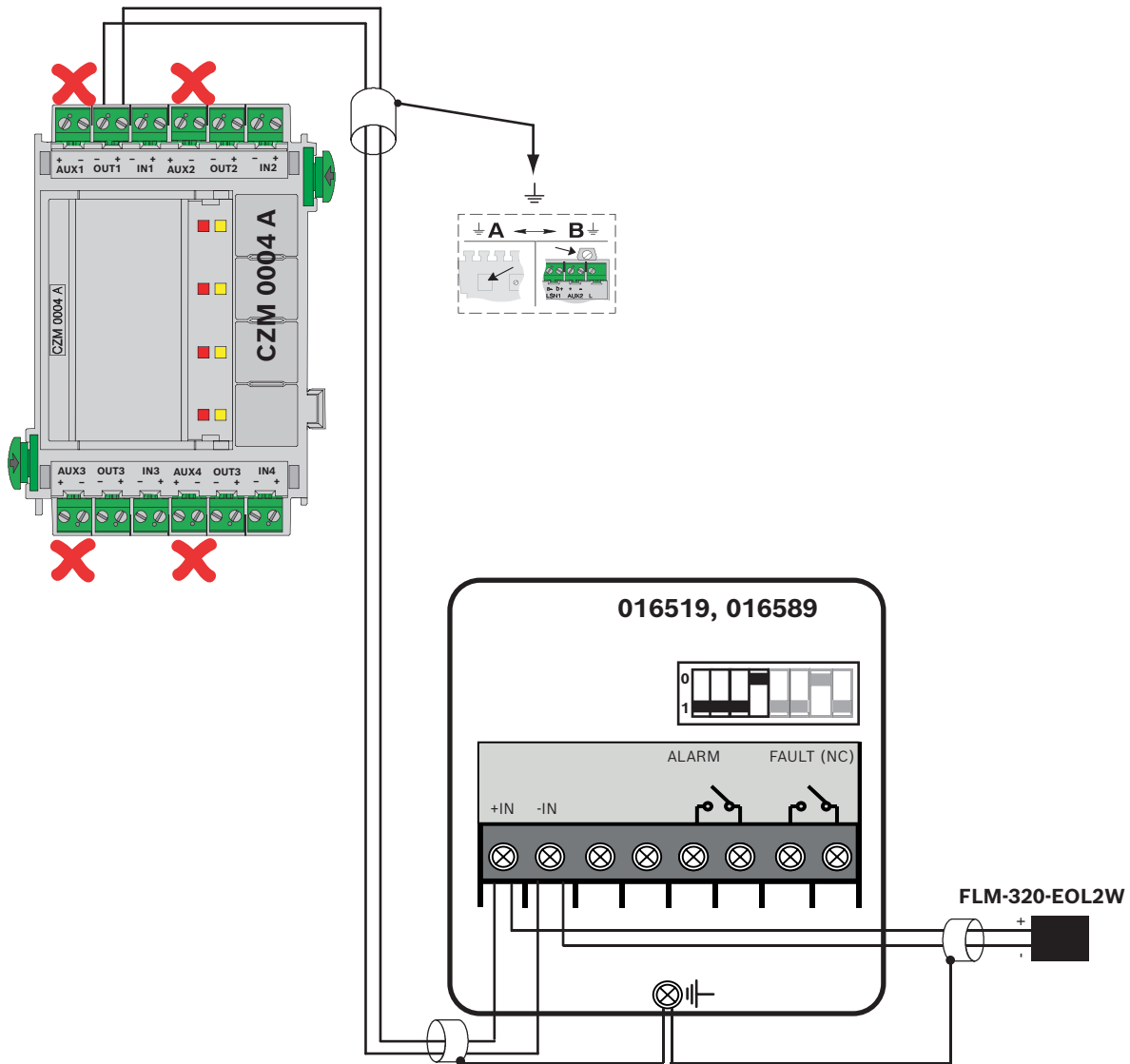
CZM 0004 A

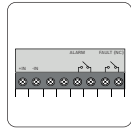


016519, 016589  
IR3 Flame Detector

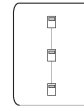


ELS

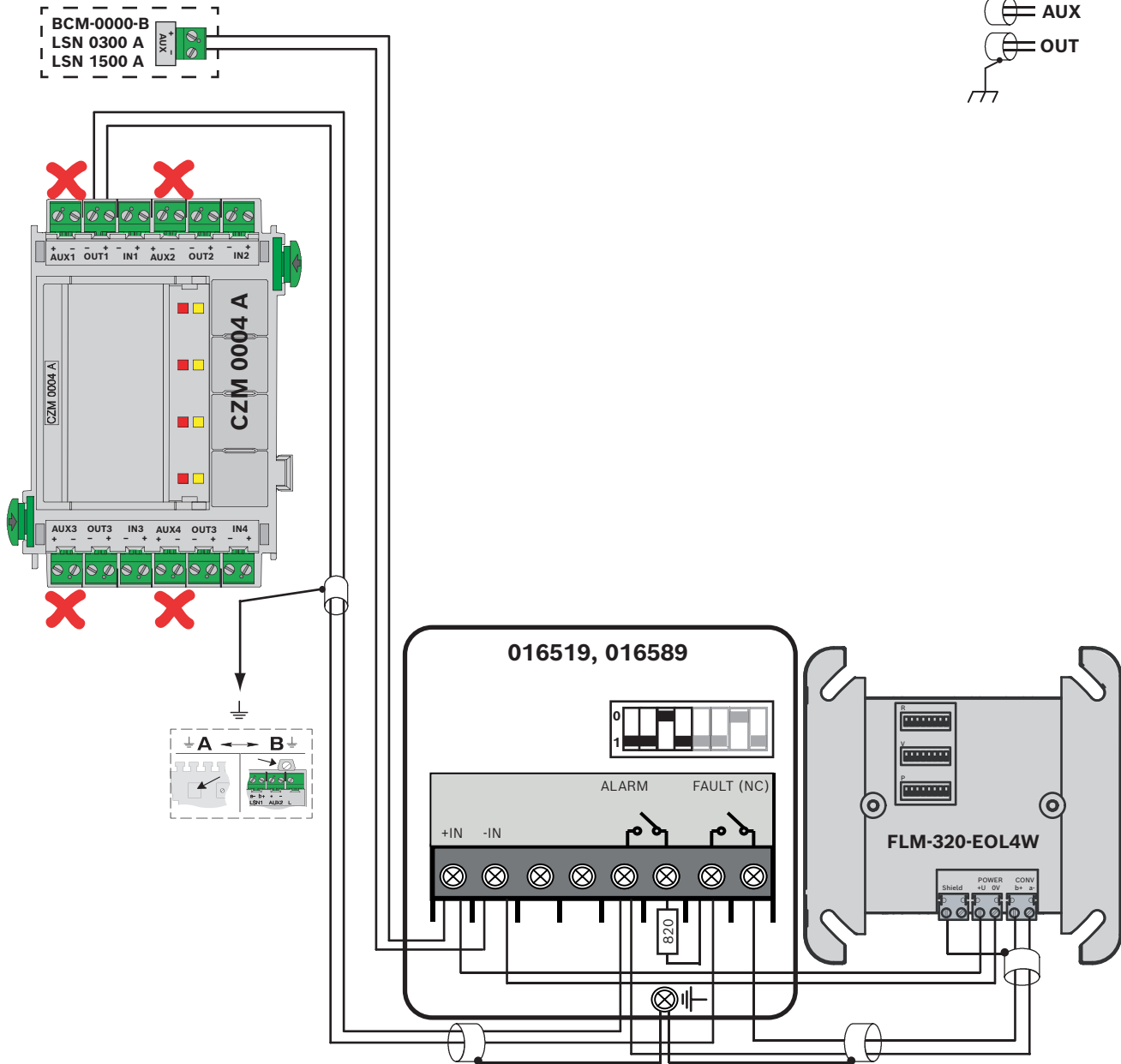




016519, 016589  
IR3 Flame Detector



ELS

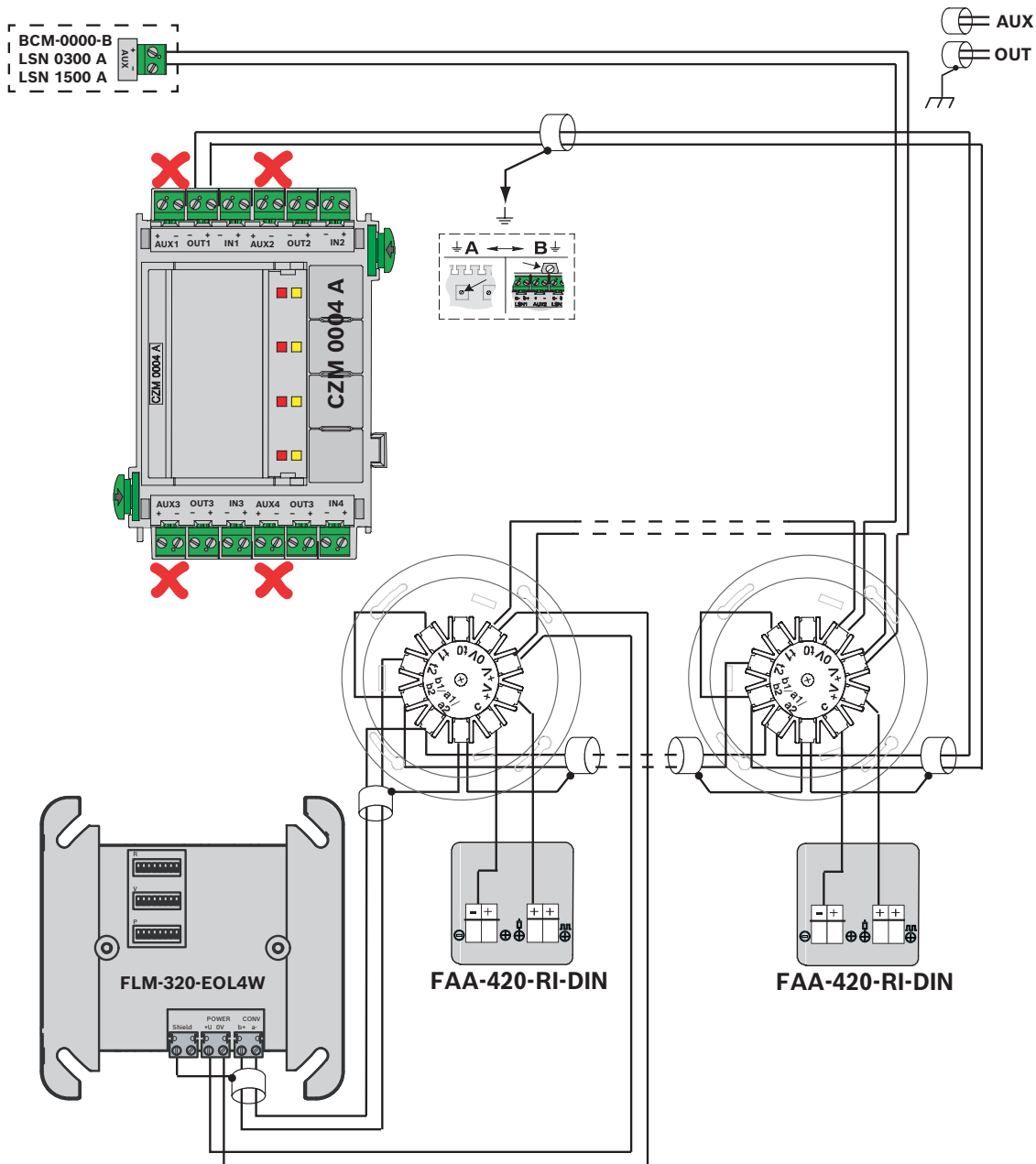


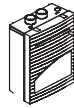


FCA-500-EU  
FCP-O 500  
FCP-O 500-P  
FCP-OC 500  
FCP-OC 500-P

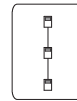


ELS



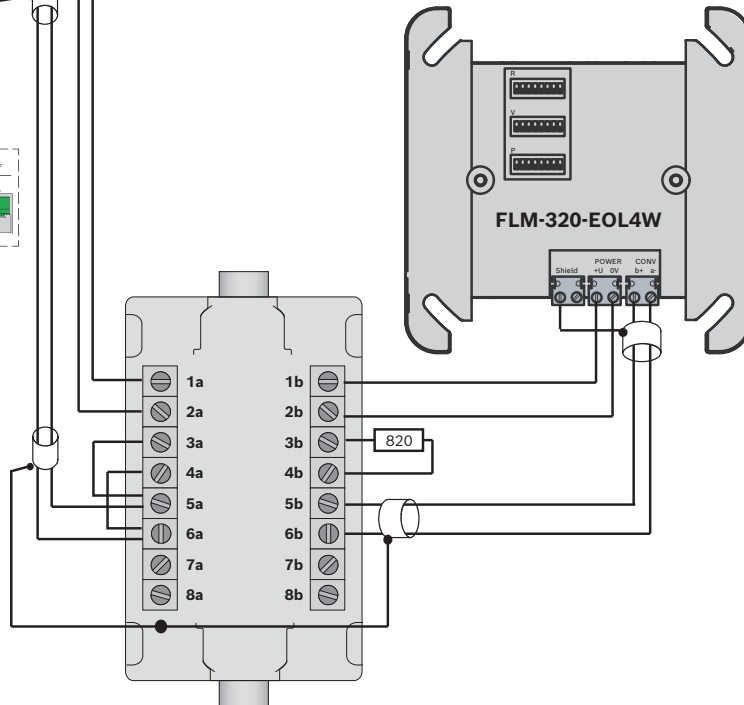
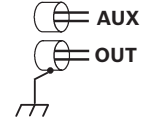
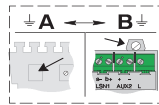
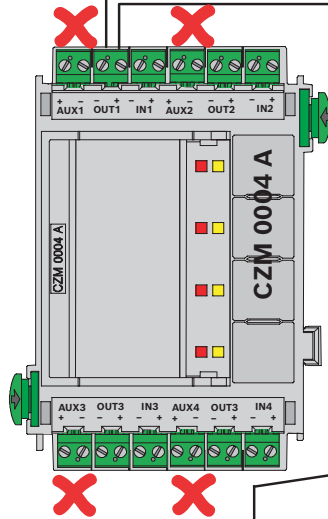


FCS-320-TM Series

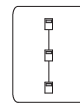


ELS

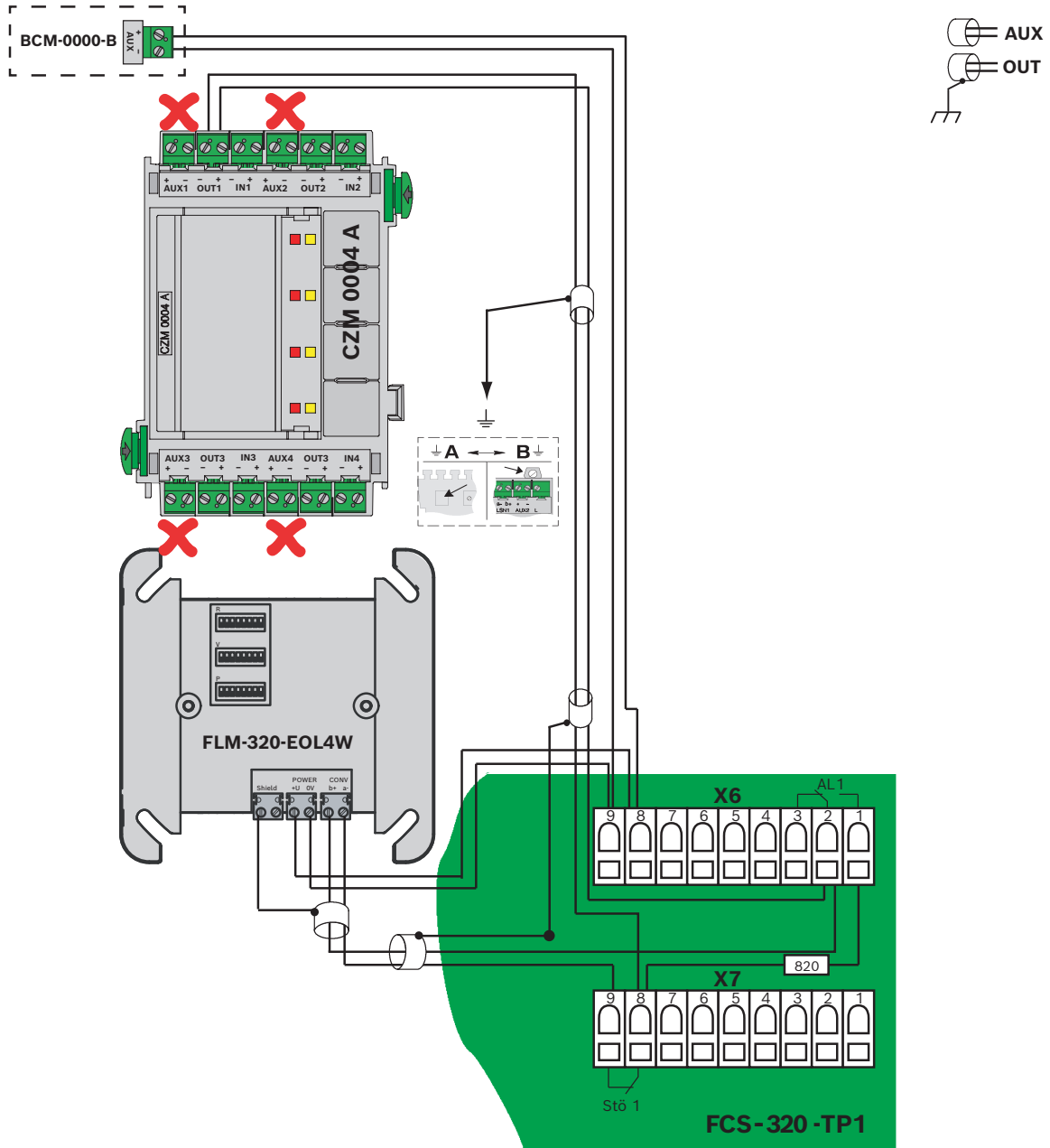
BCM-0000-B  
LSN 0300 A  
LSN 1500 A

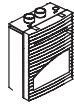






ELS

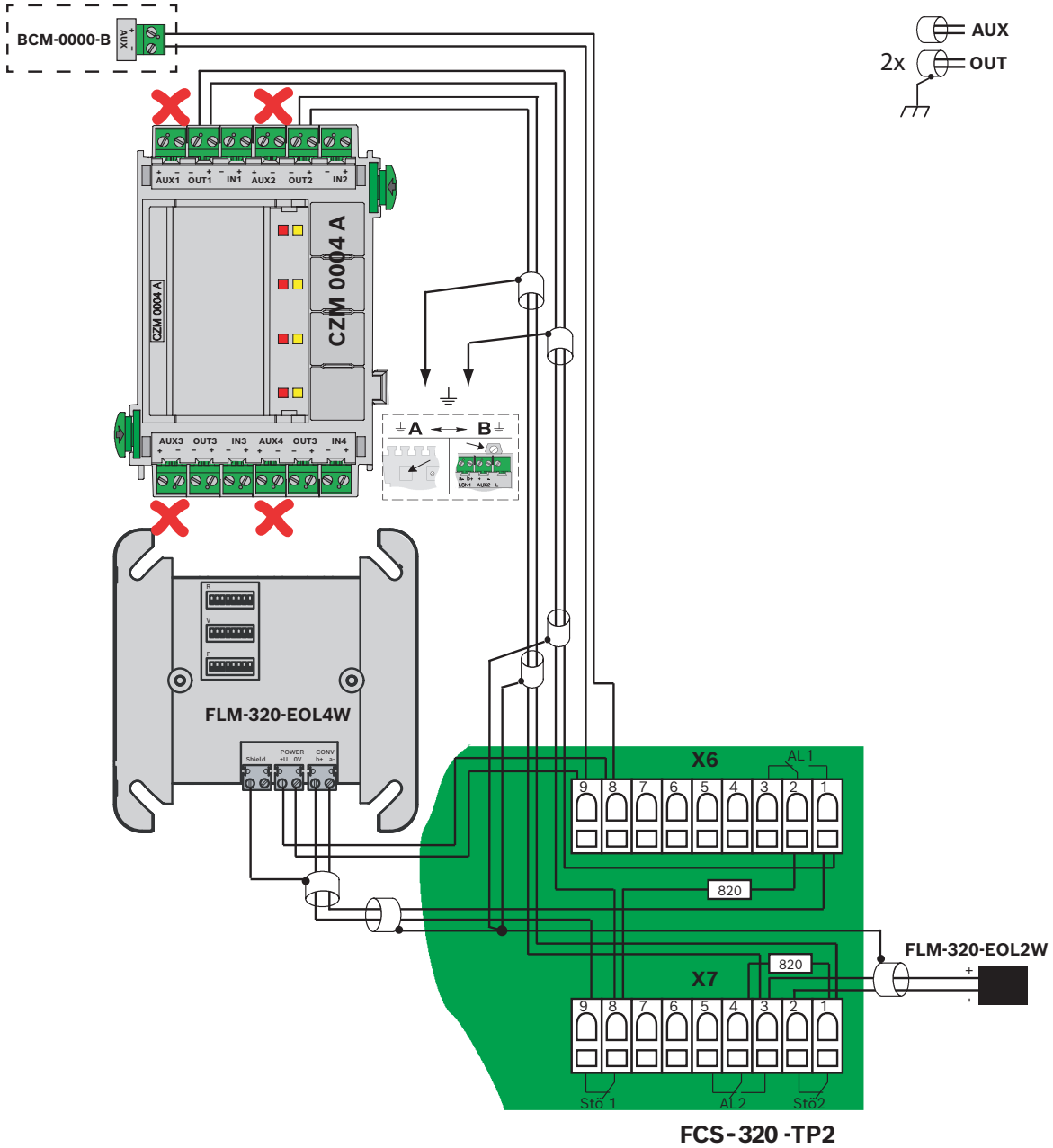




FCS-320-TP2



ELS





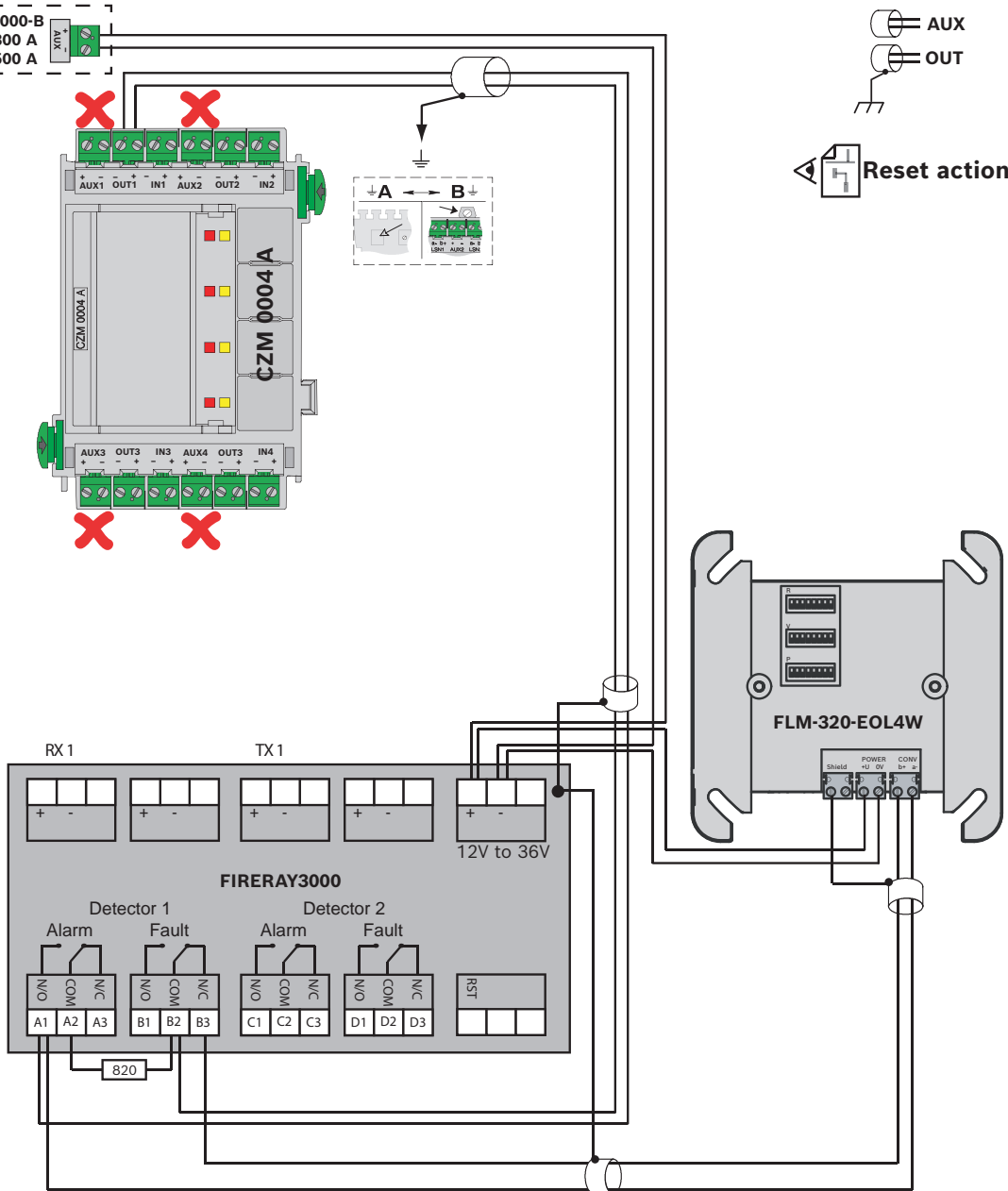
**FIRERAY3000**

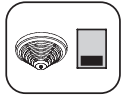
1 x



**ELS**

BCM-0000-B  
LSN 0300 A  
LSN 1500 A



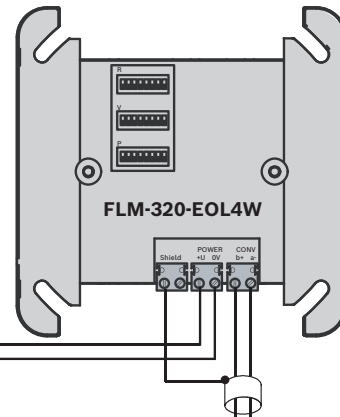
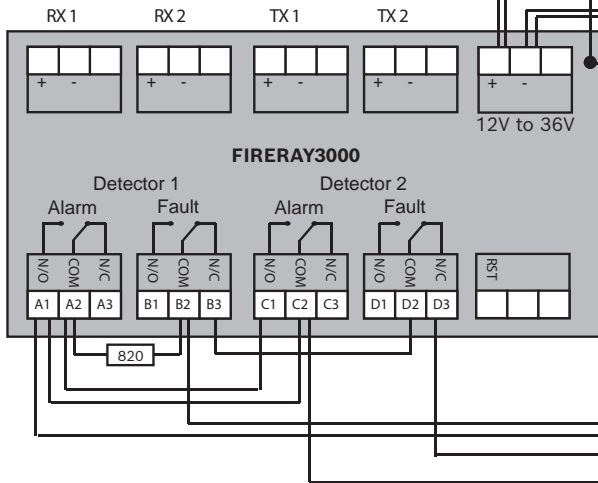
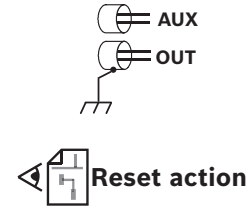
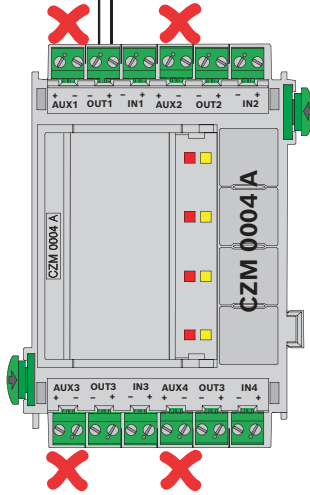


**FIRERAY3000**  
2 x **OUT1**



**ELS**

BCM-0000-B  
LSN 0300 A  
LSN 1500 A



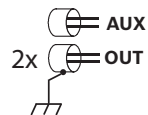
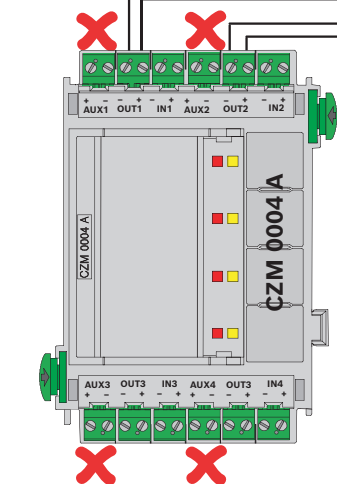


**FIRERAY3000**  
2 x **OUT1+2**

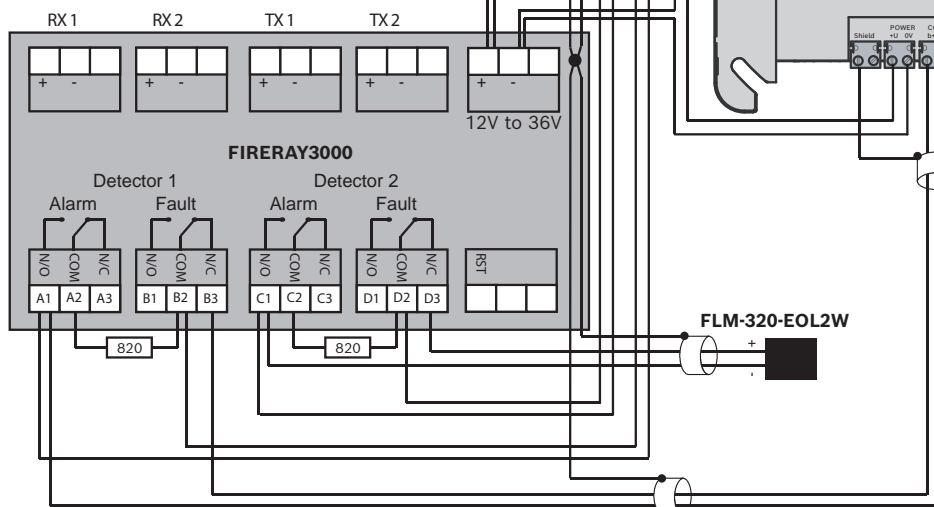
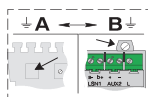


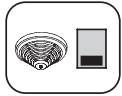
**ELS**

BCM-0000-B  
LSN 0300 A  
LSN 1500 A



**Reset action**



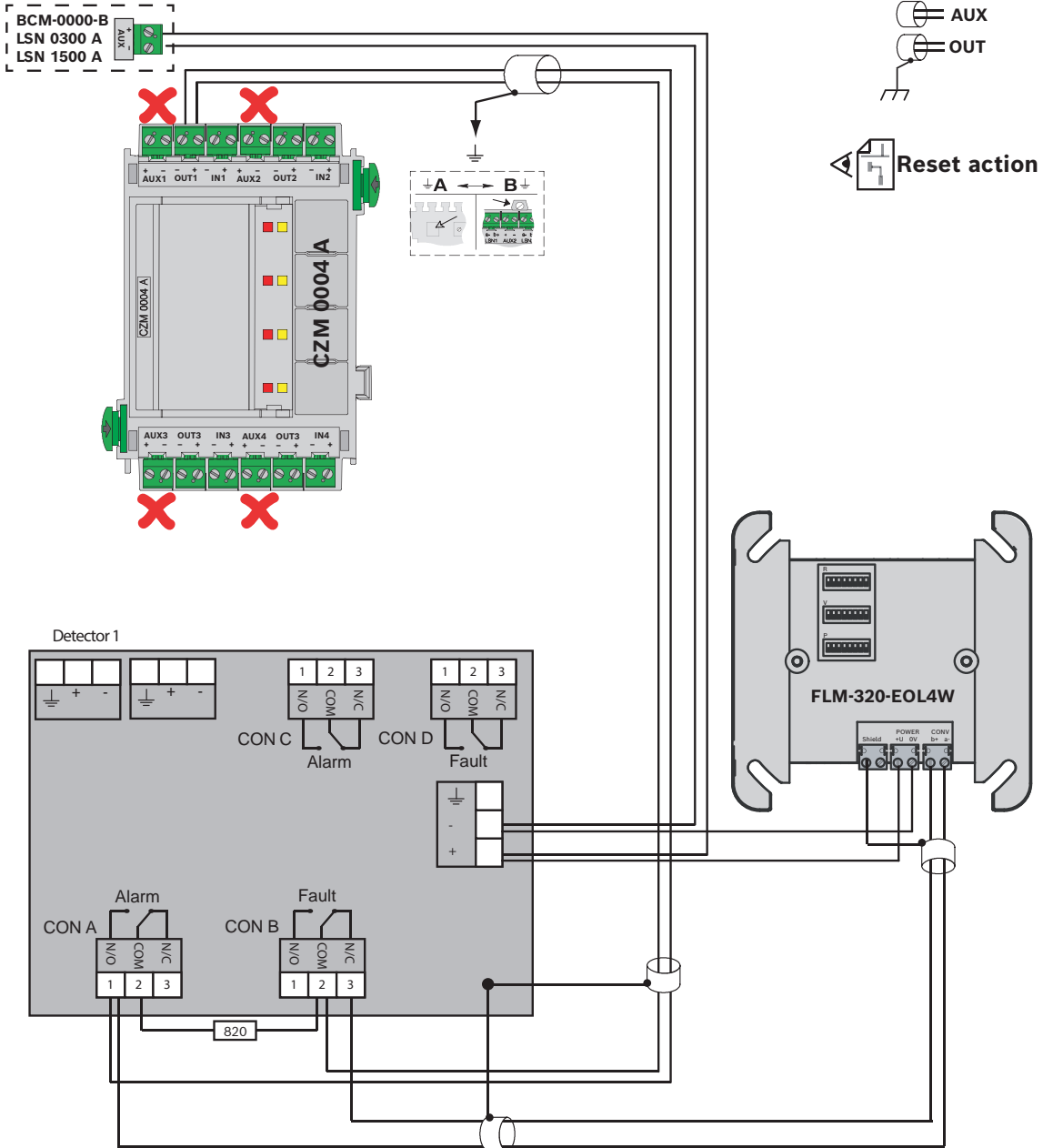


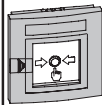
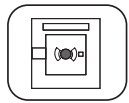
**FIRERAY5000**

1 x

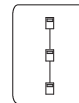


**ELS**

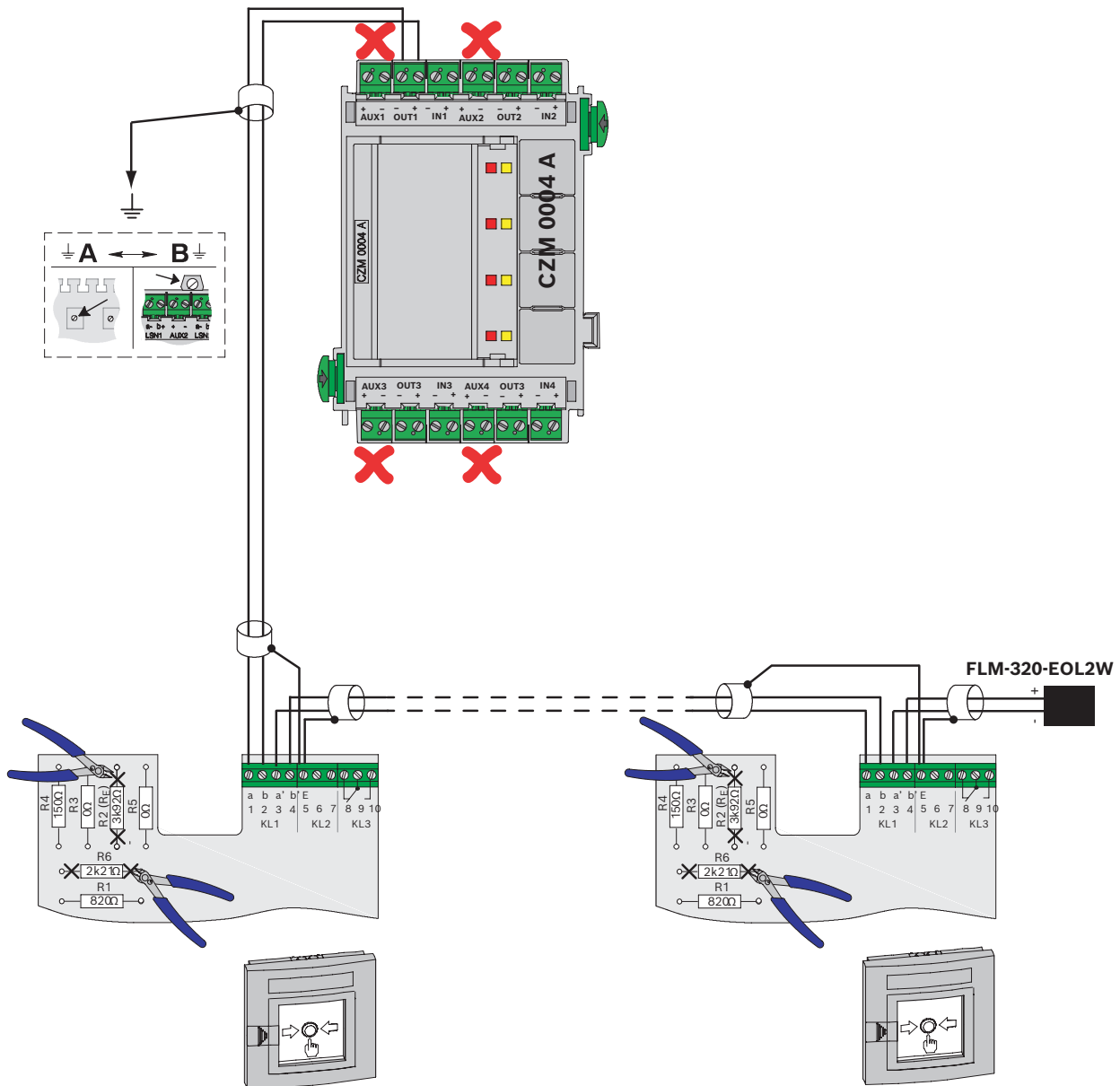


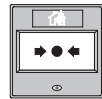
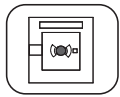


FMC-120-DKM-G-R  
 FMC-120-DKM-H-R  
 FMC-120-DKM-G-B  
 FMC-120-DKM-H-B  
 FMC-120-DKM-G-Y



ELS

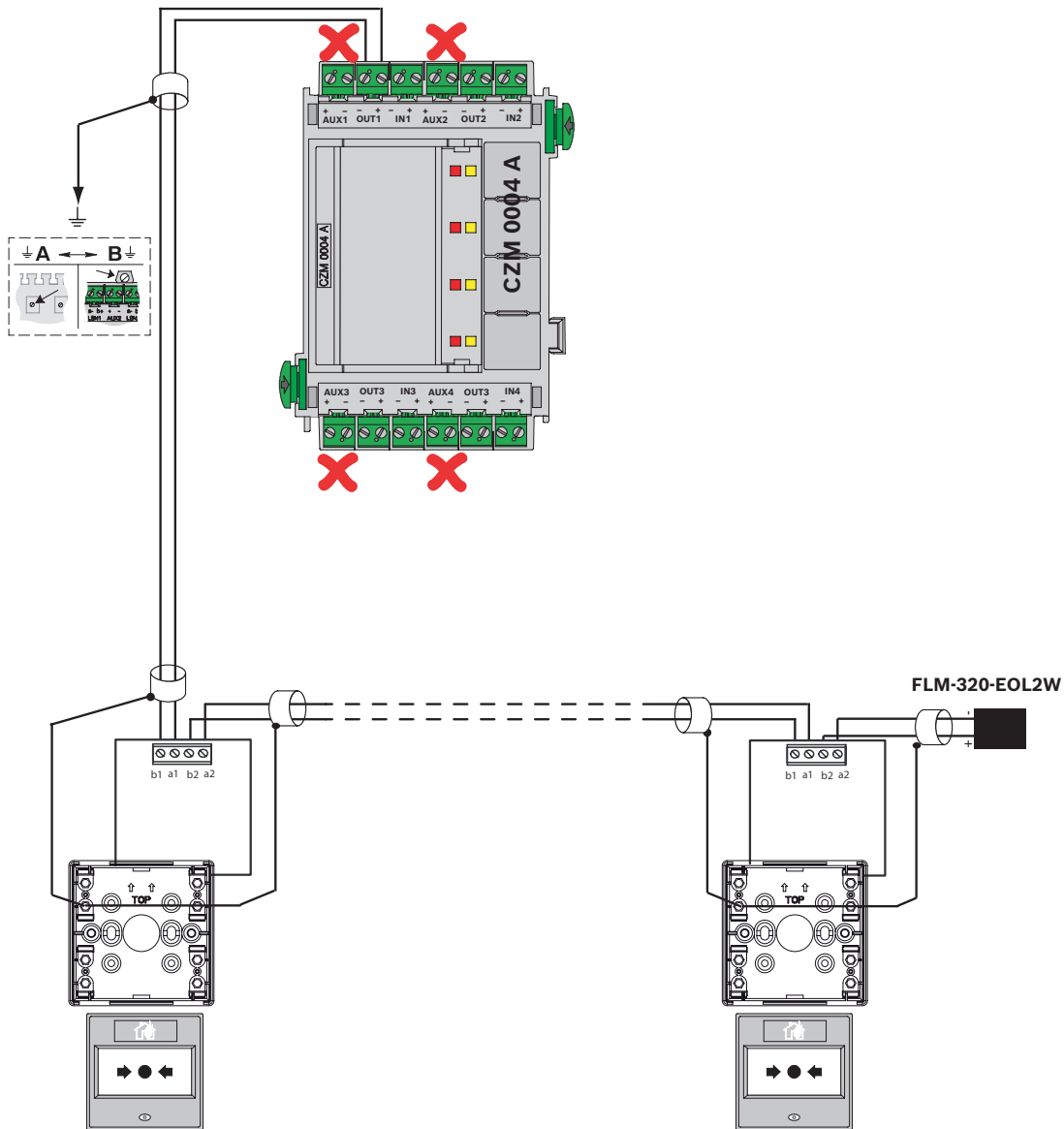




FMC-300RW-GSGBU  
 FMC-300RW-GSRBU  
 FMC-300RW-GSGRD  
 FMC-300RW-GSRRD  
 FMC-300RW-GSGYE  
 FMC-300RW-GSRYE

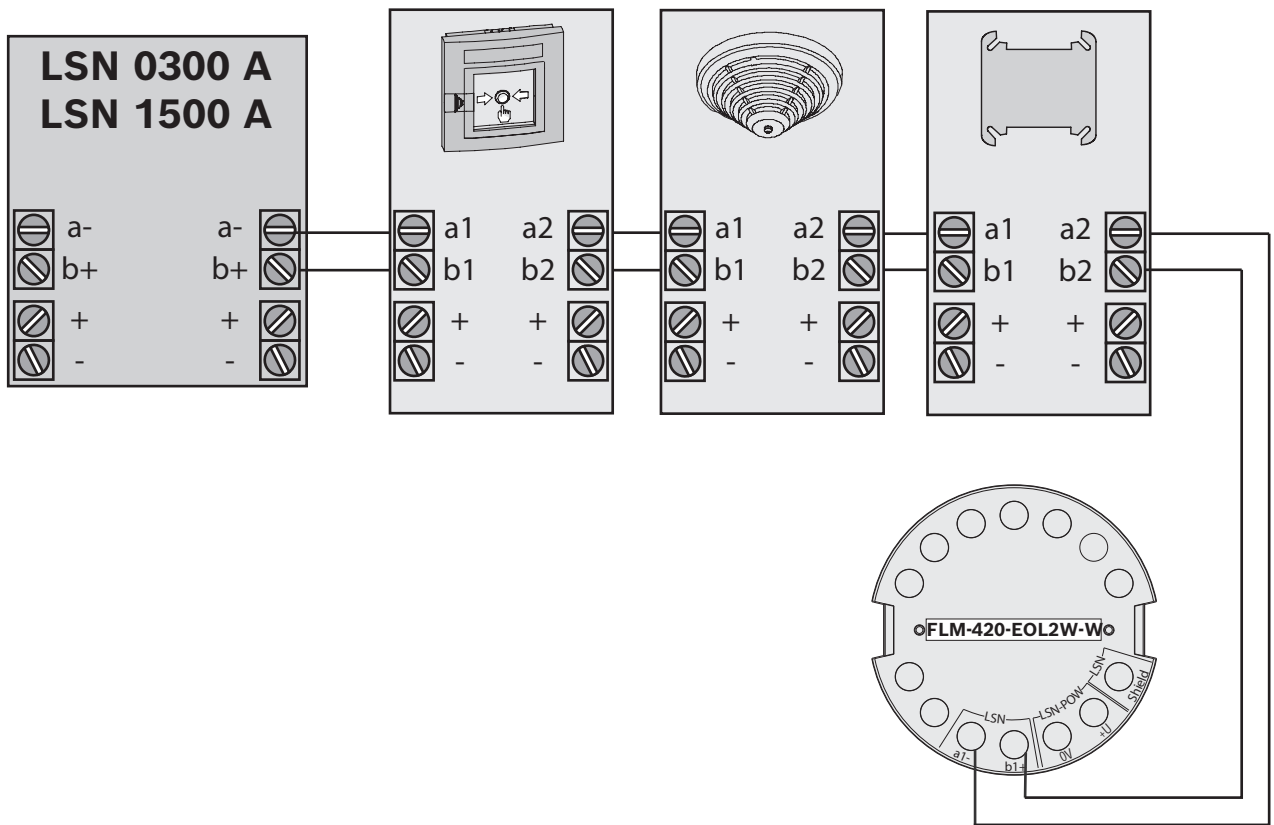
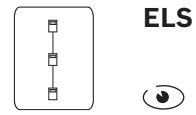


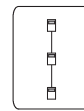
ELS



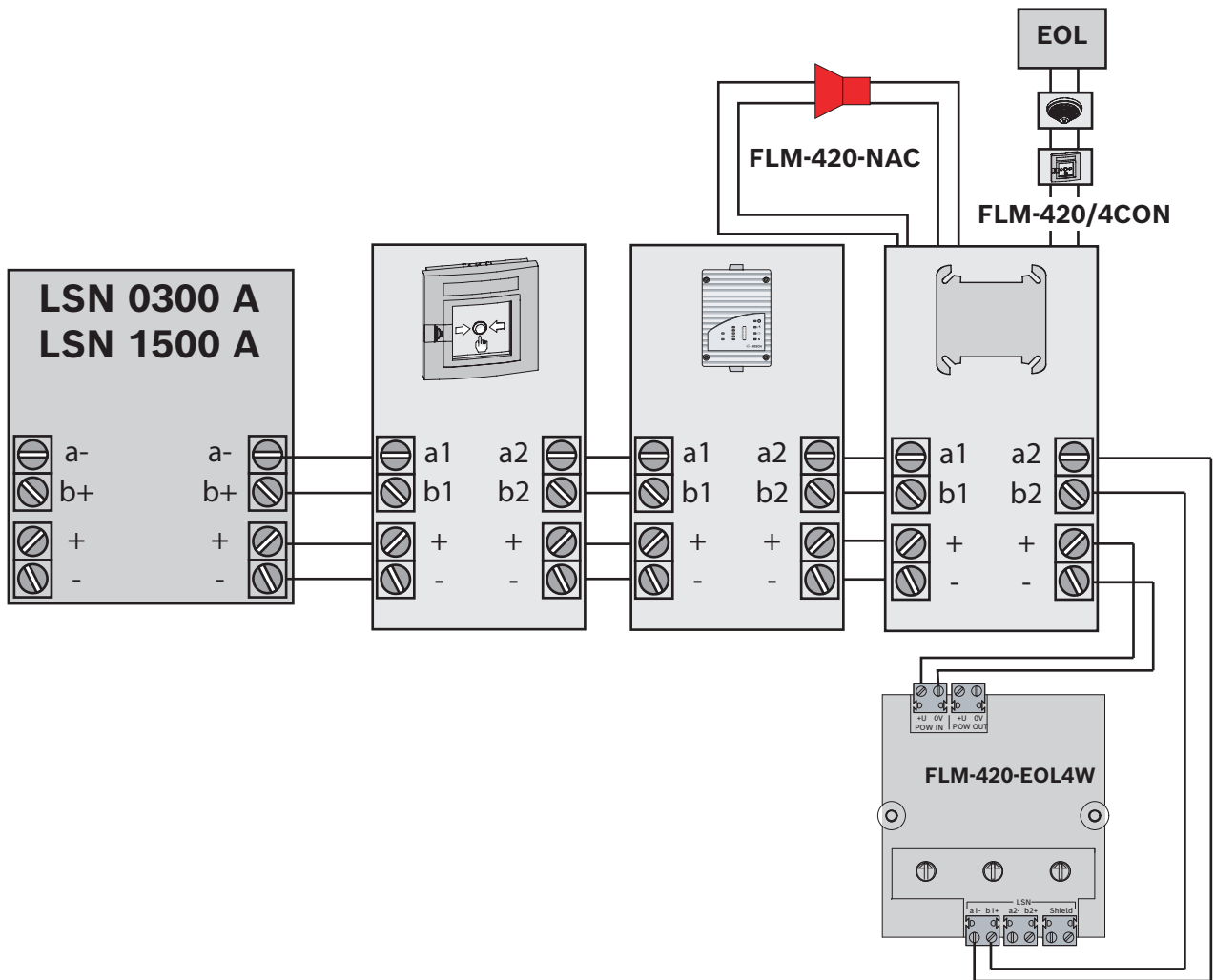


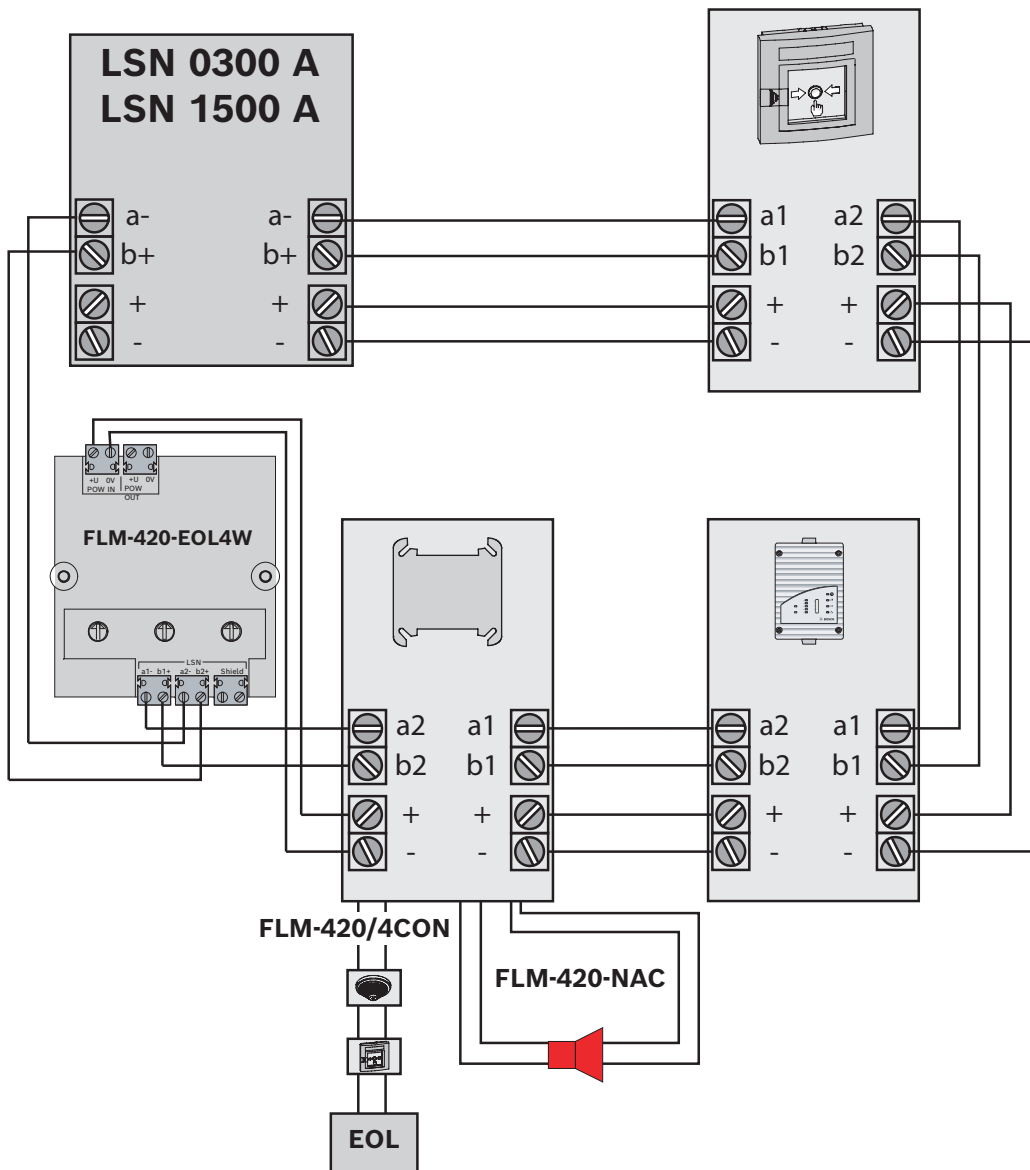
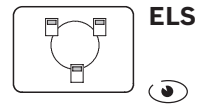
**2.6.2 LSN 0300 A**





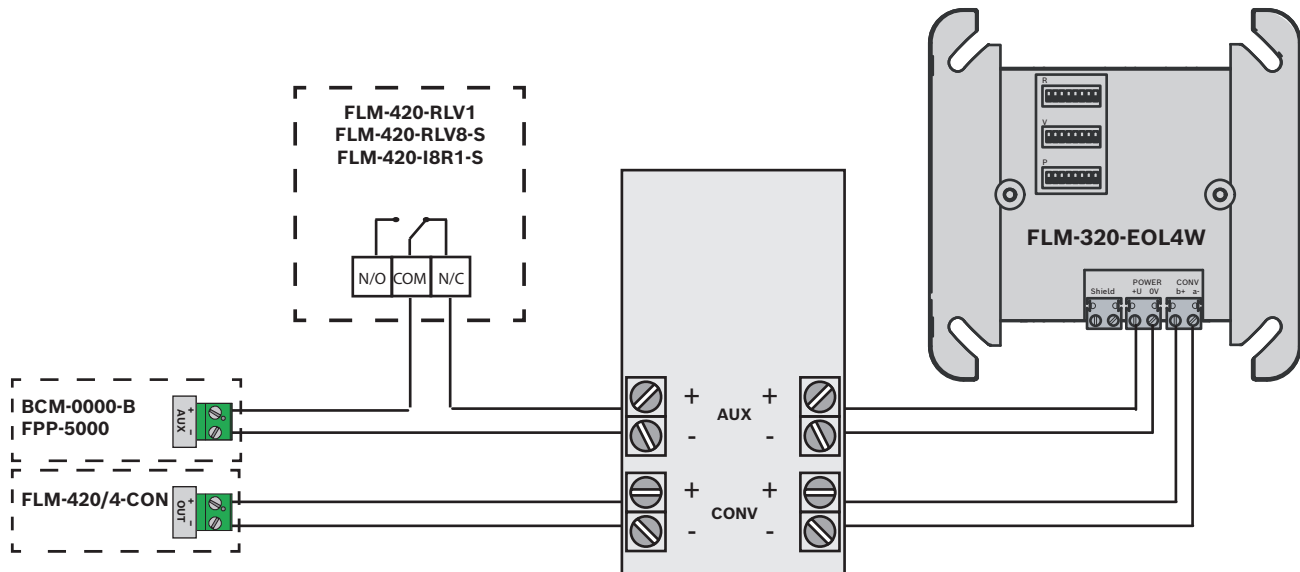
ELS

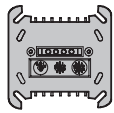
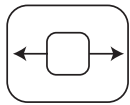




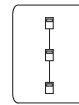
Reset action

ELS

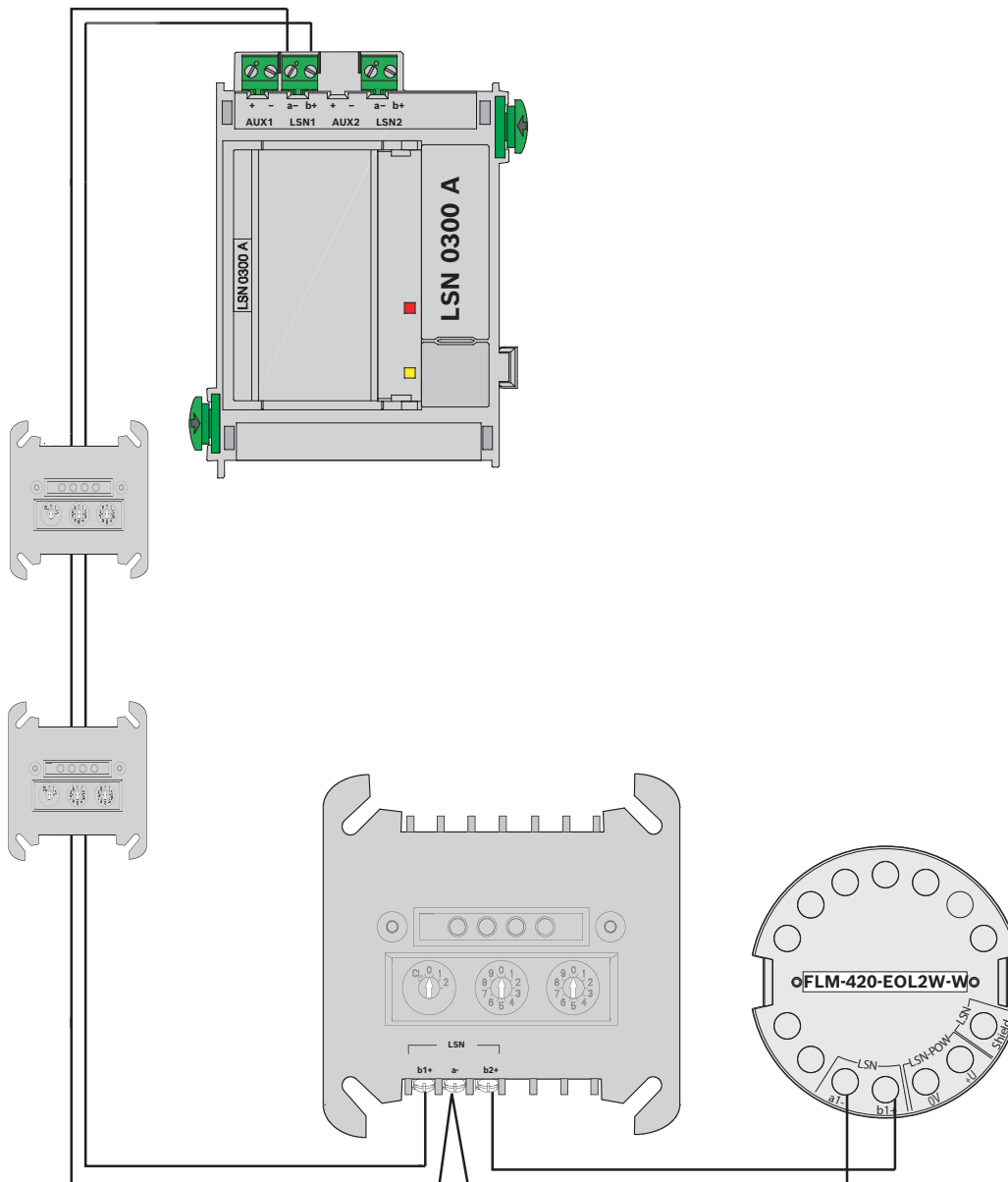


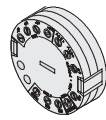
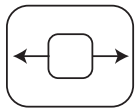


FLM-420-I2-D  
 FLM-420-O111-D  
 FLM-420-RHV-D/S  
 FLM-420-RLV1-D

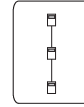


ELS

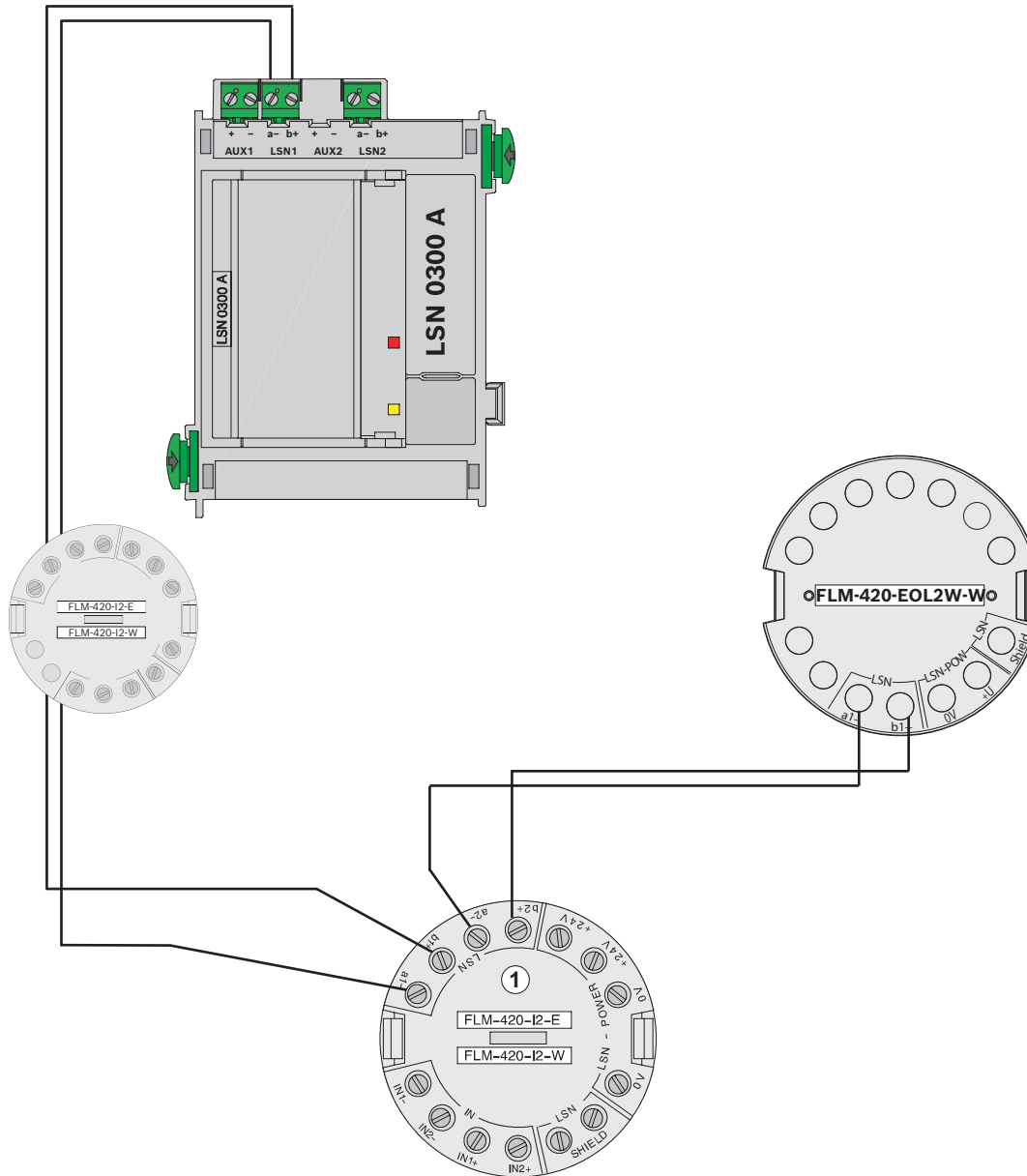


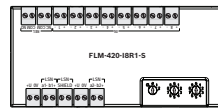
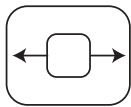


FLM-420-12-E/W

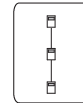


ELS

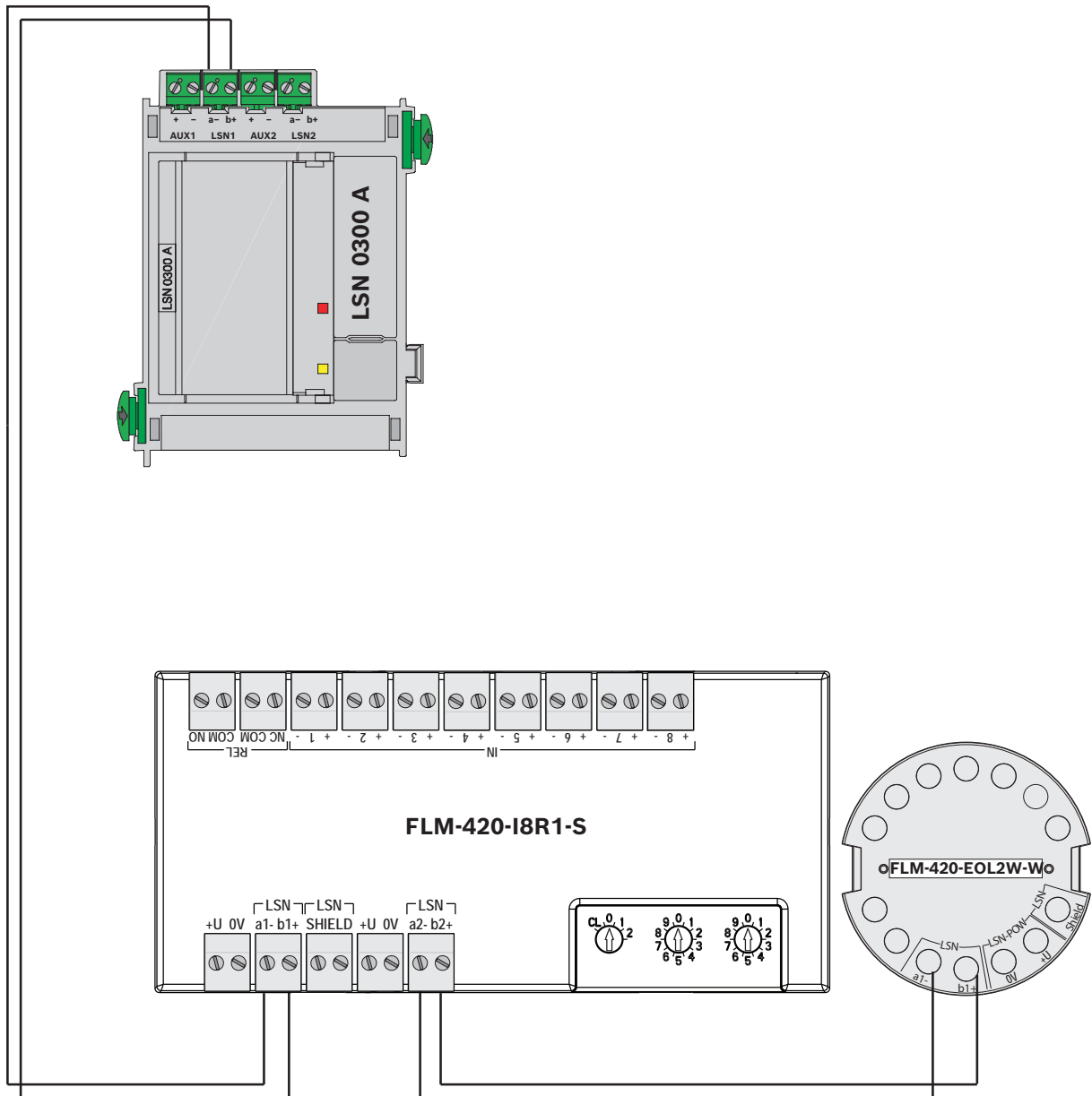


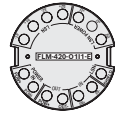
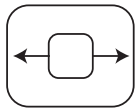


**FLM-420-18R1-S**

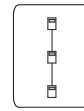


**ELS**

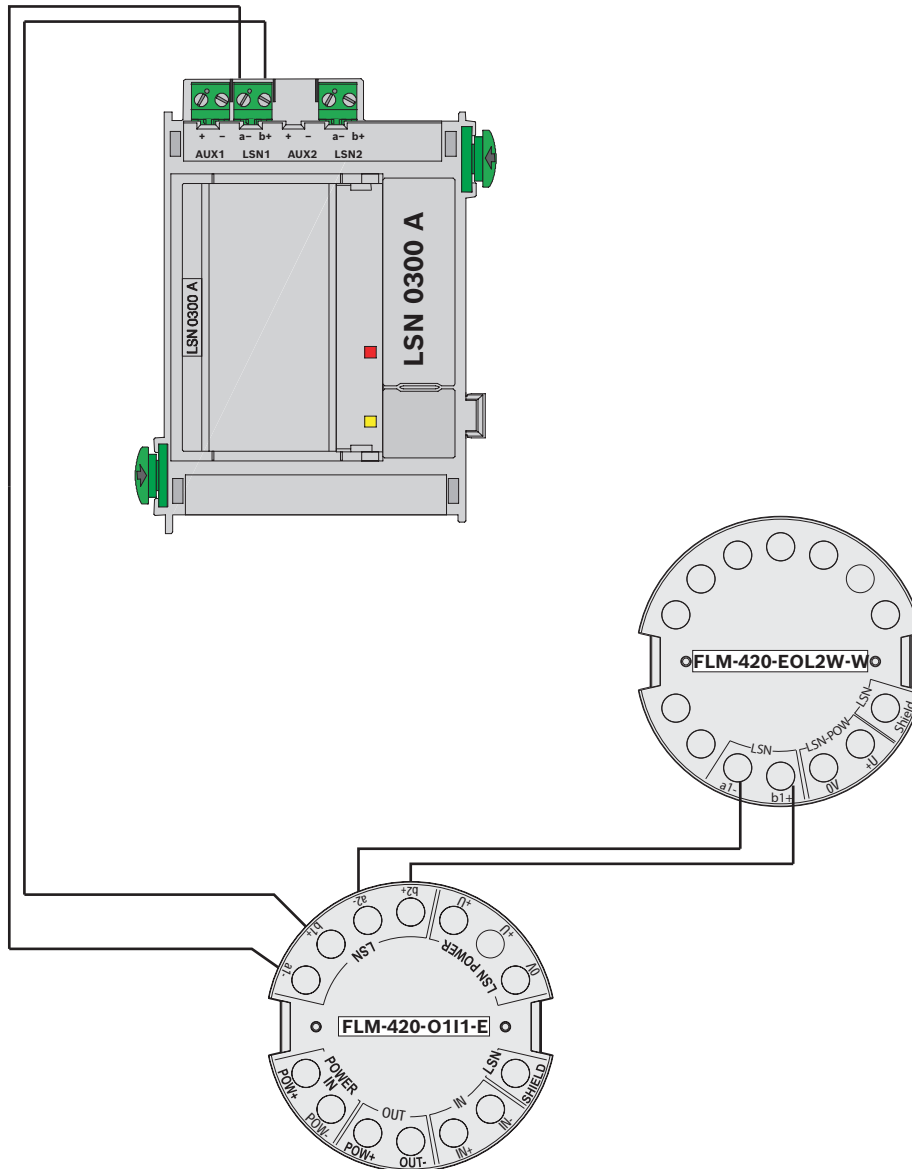




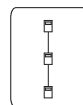
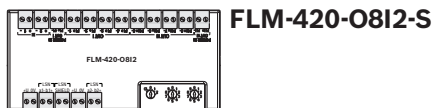
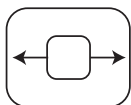
FLM-420-O1I1-E



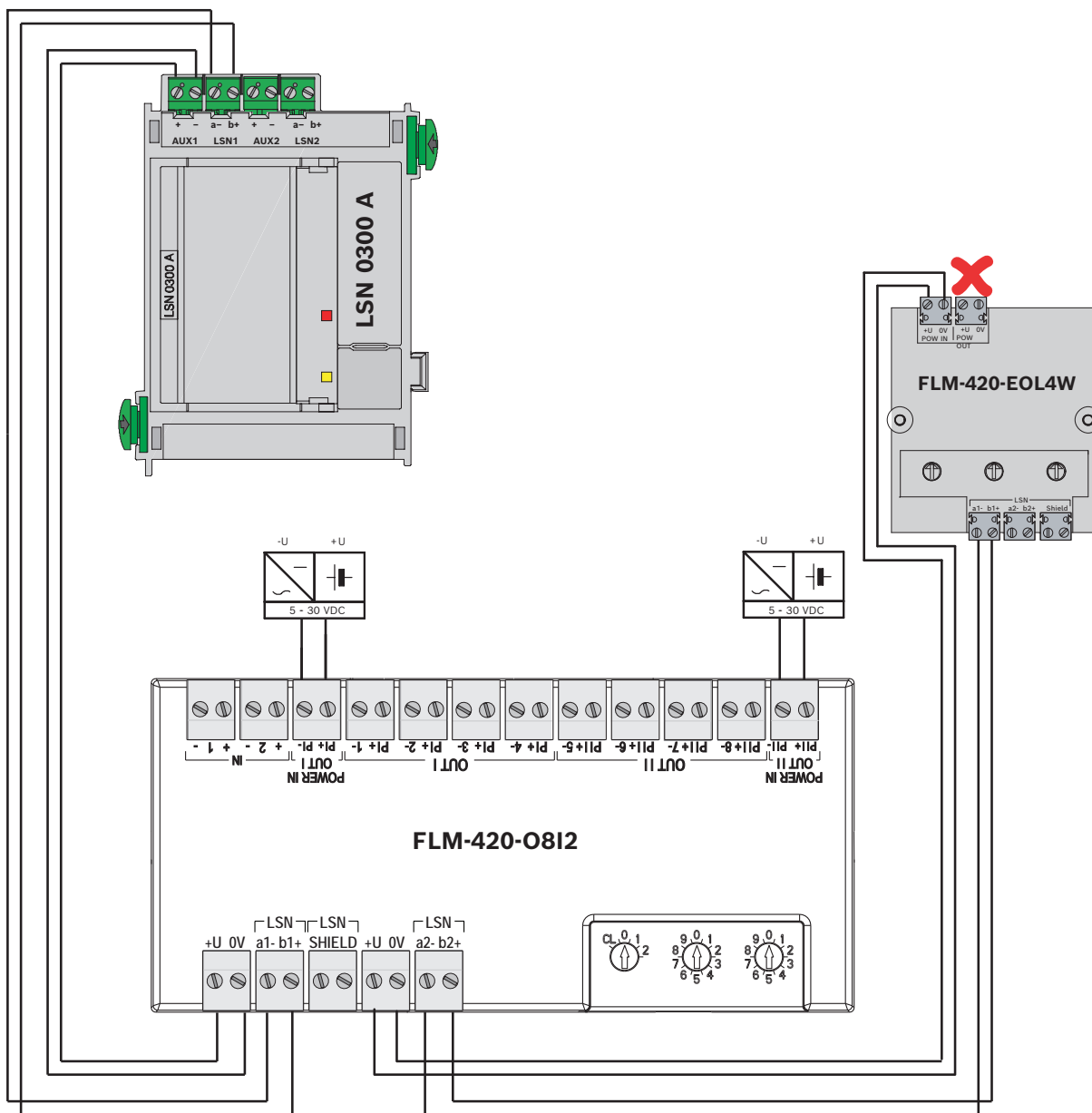
ELS

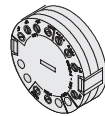
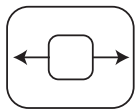




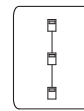


ELS

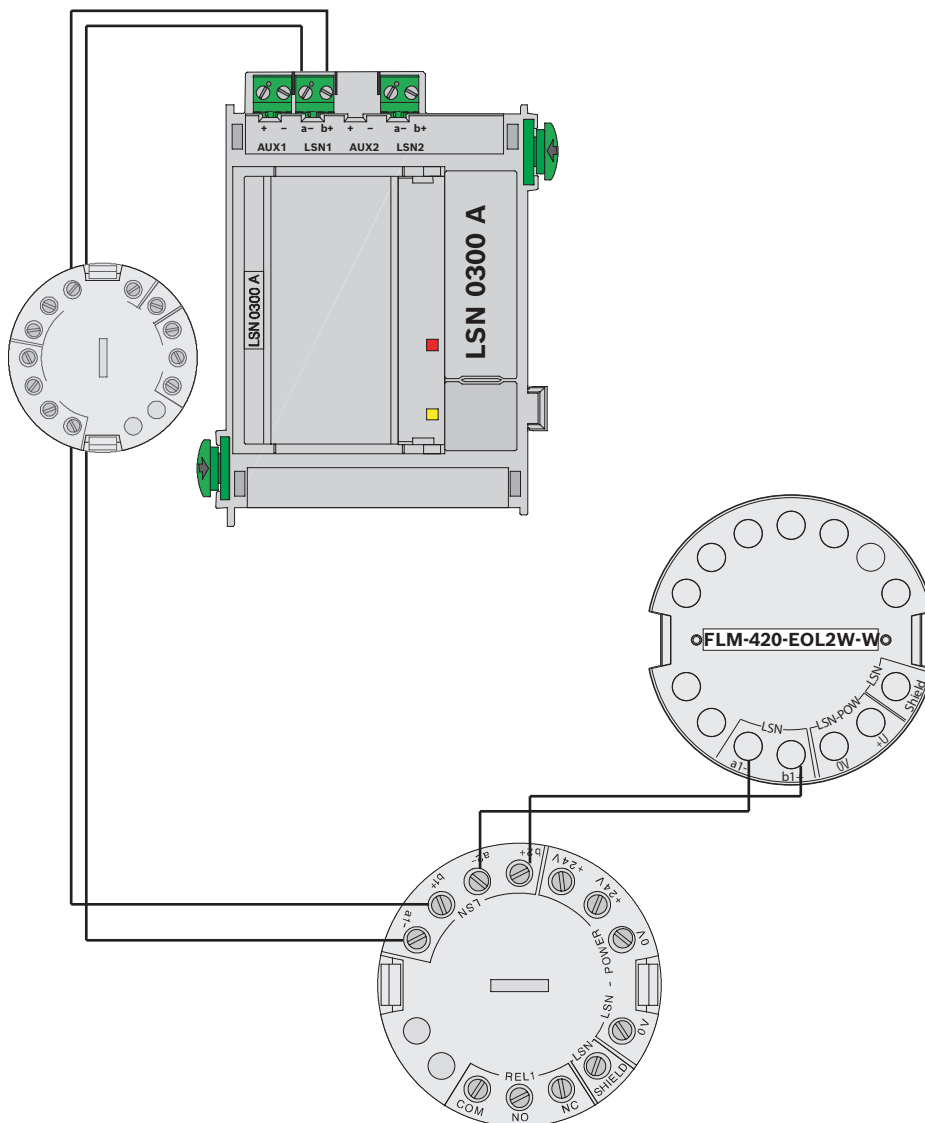


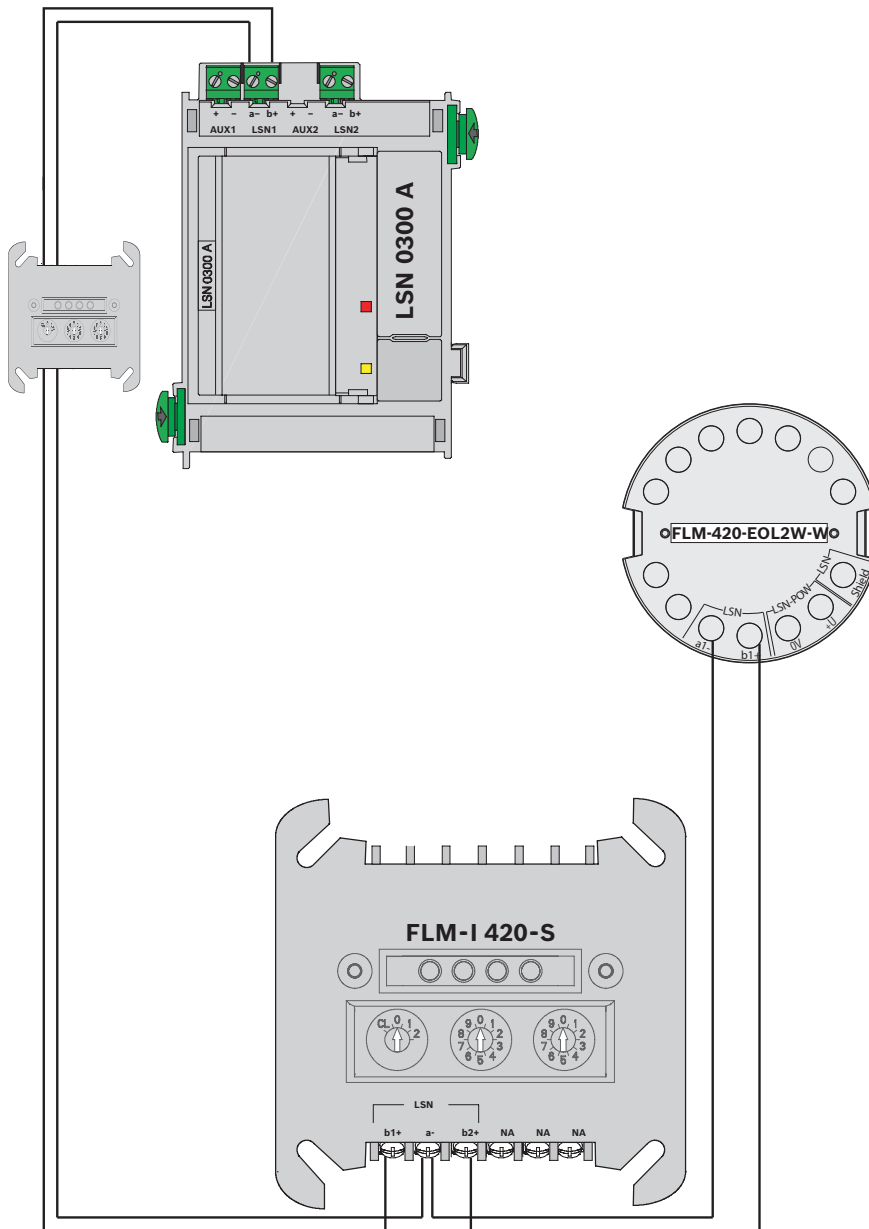
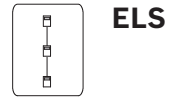
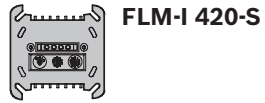
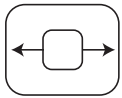


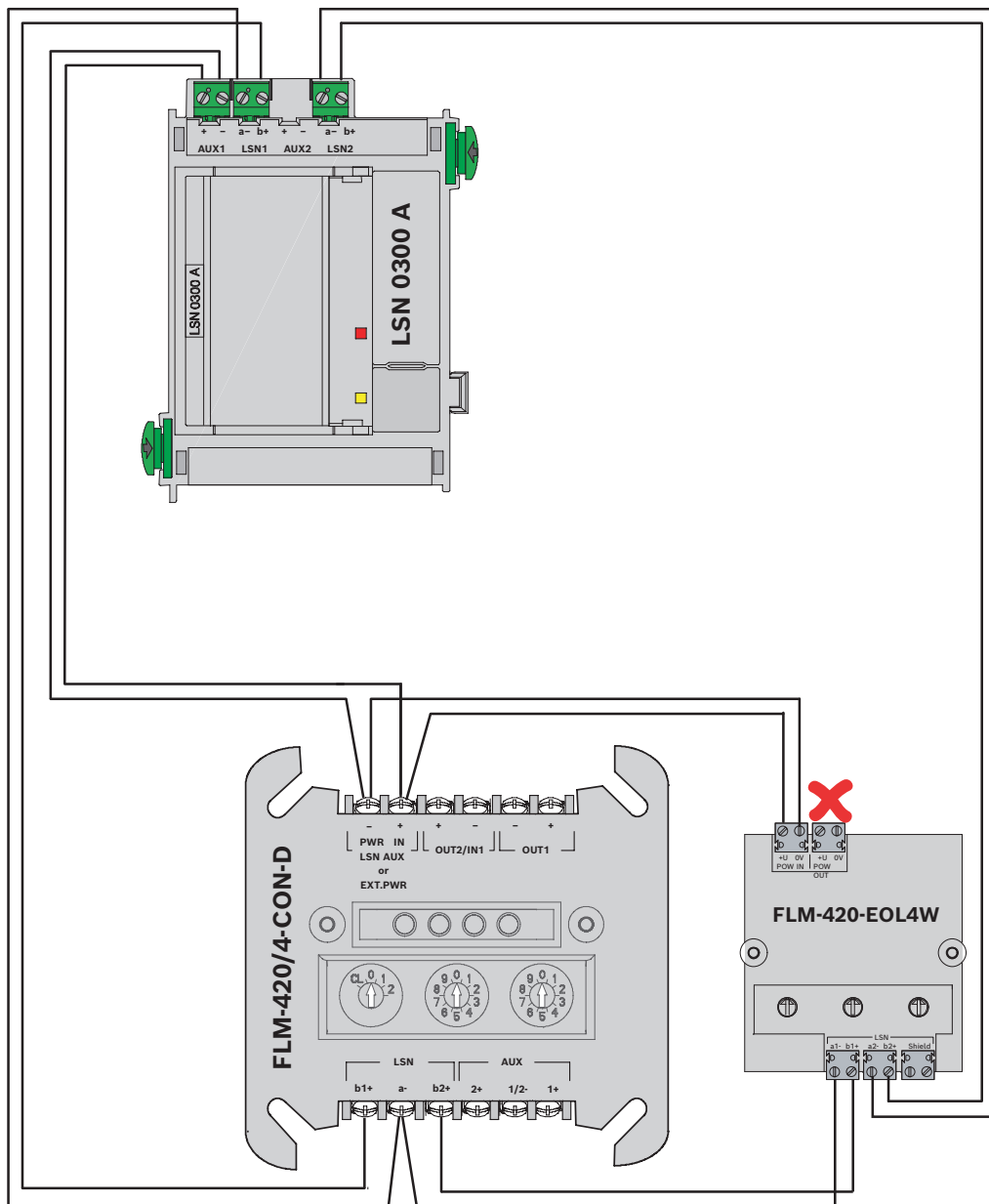
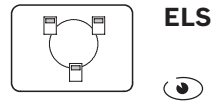
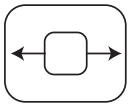
**FLM-420-I2-E/-W**  
**FLM-420-RLV1-E**

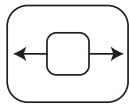


**ELS**

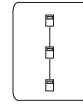




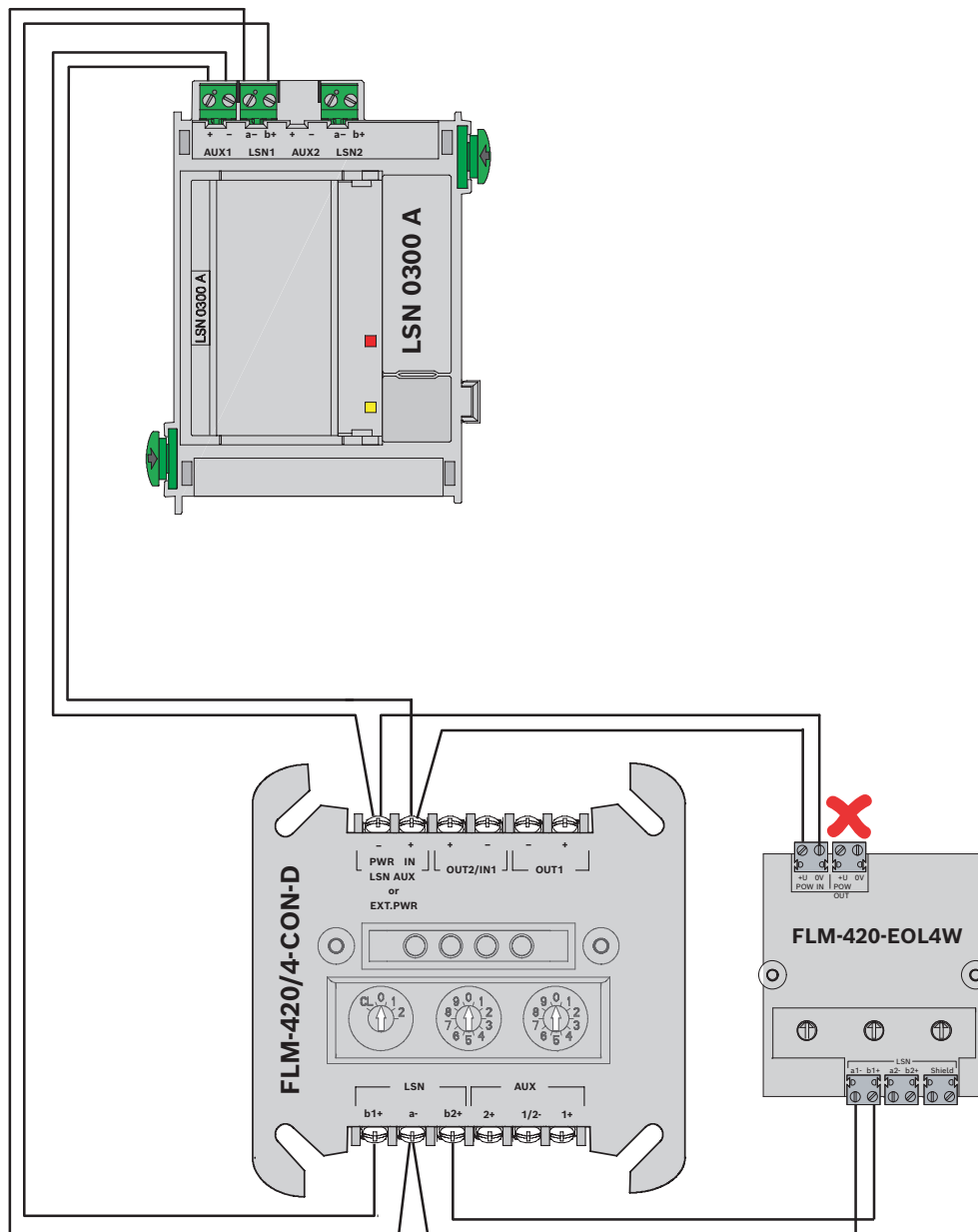


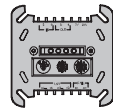
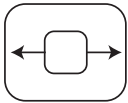


**FLM-420/  
4-CON-D**

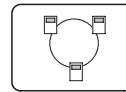


**ELS**

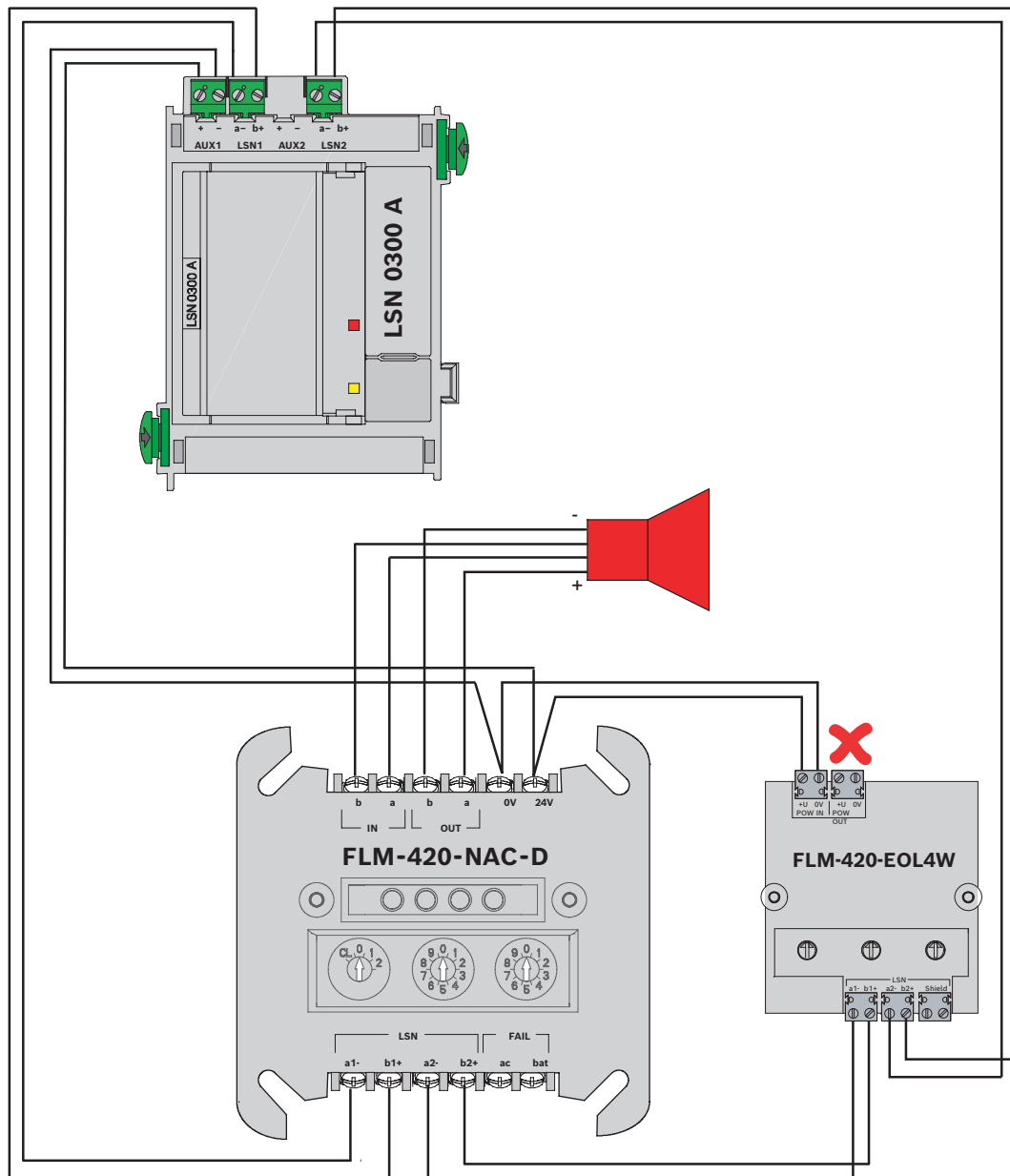


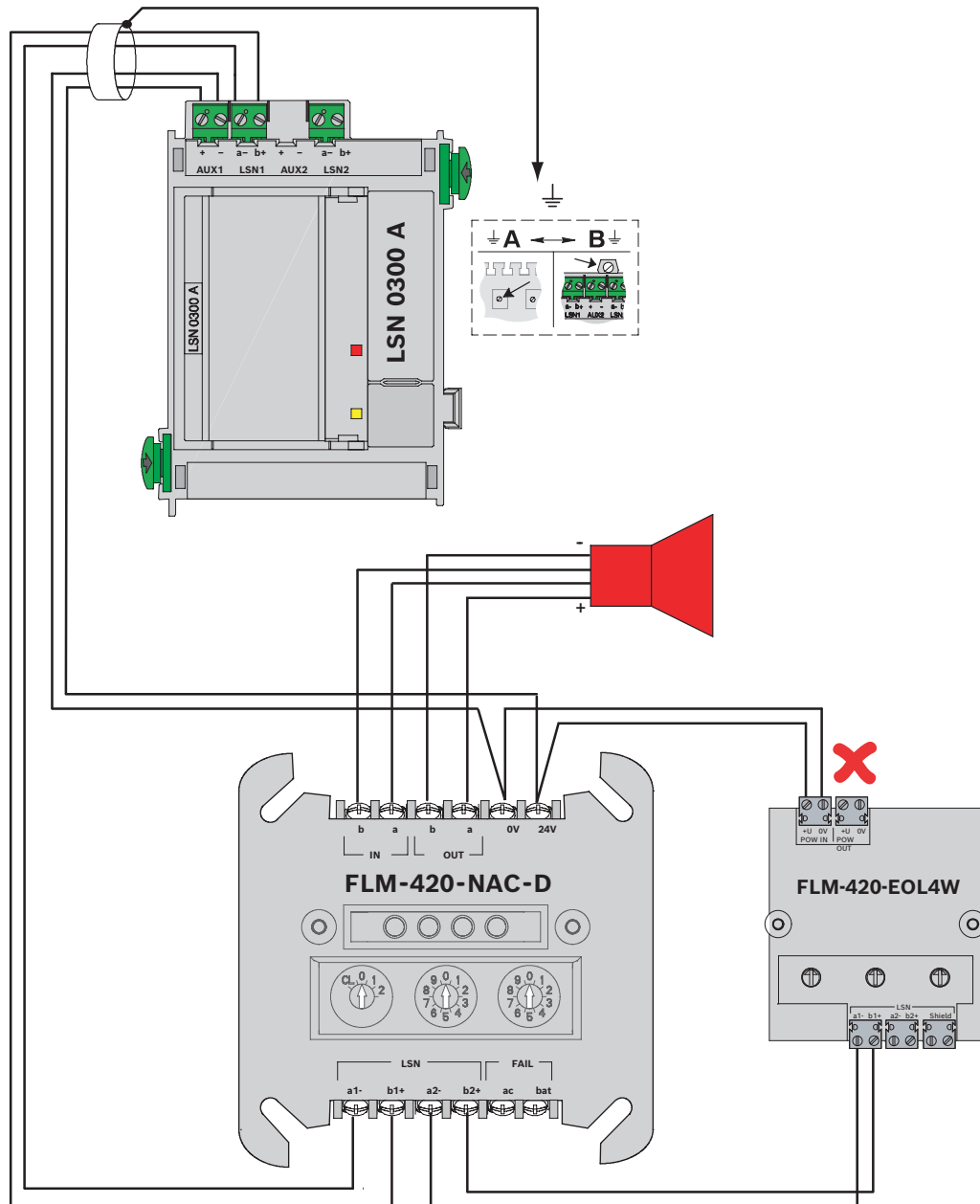
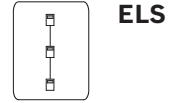
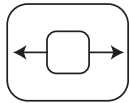


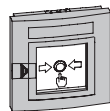
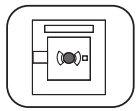
**FLM-420-NAC-D/S**



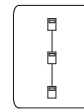
**ELS  
EN 54-2**



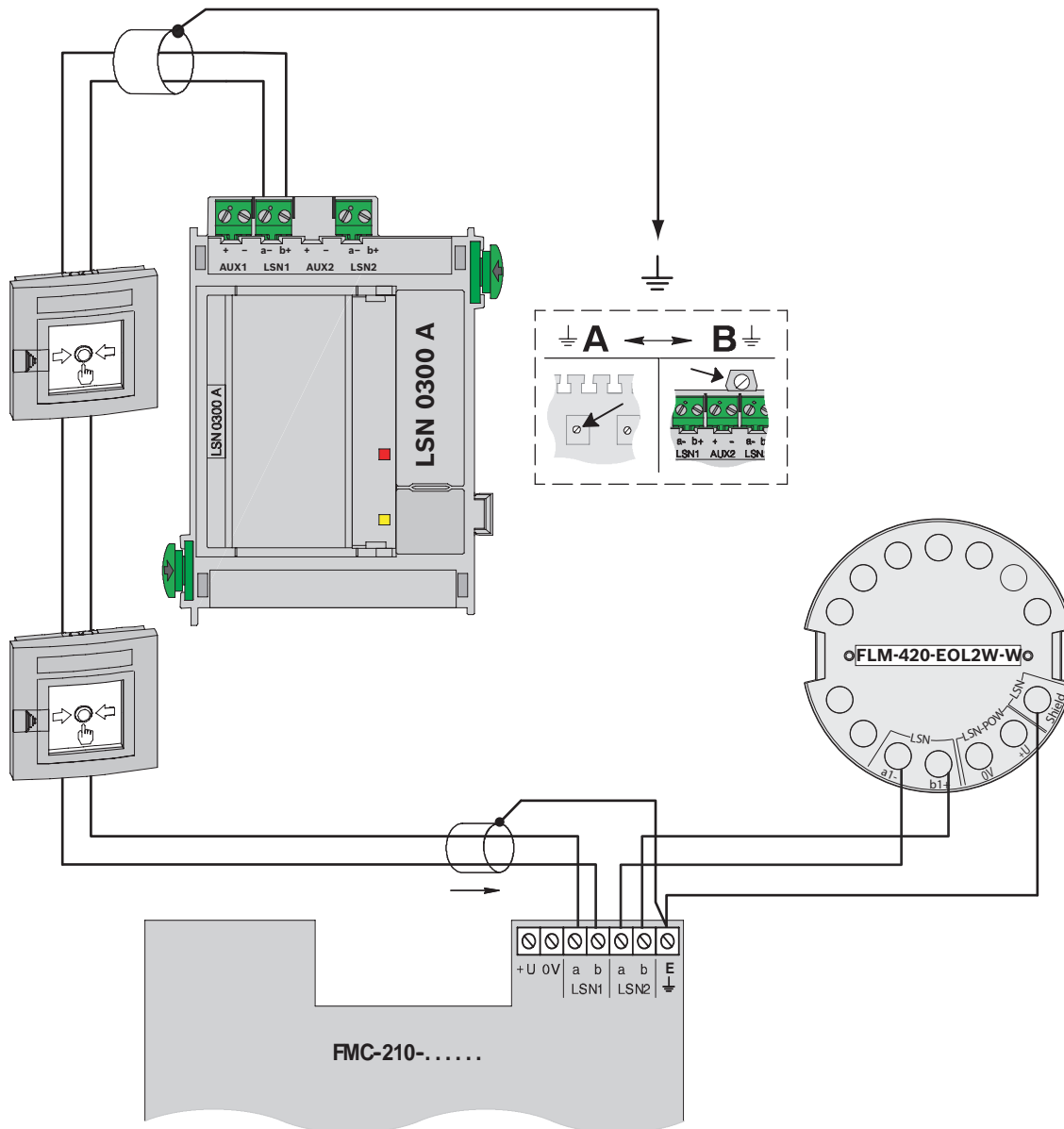




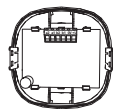
FMC-210...



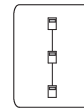
ELS



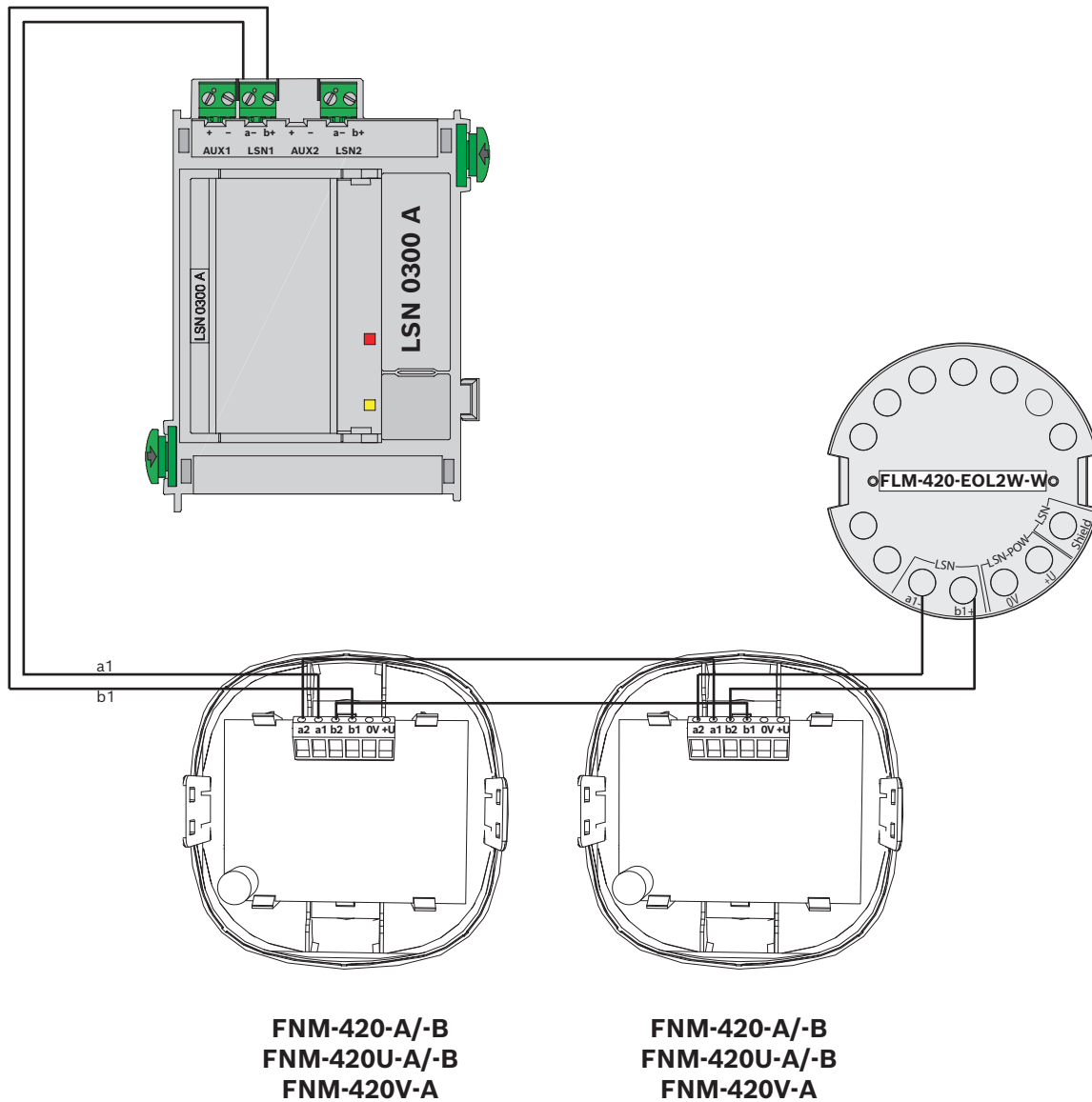




**FNM-420-A /-B**  
**FNM-420U-A /-B**  
**FNM-420V-A**



**ELS**

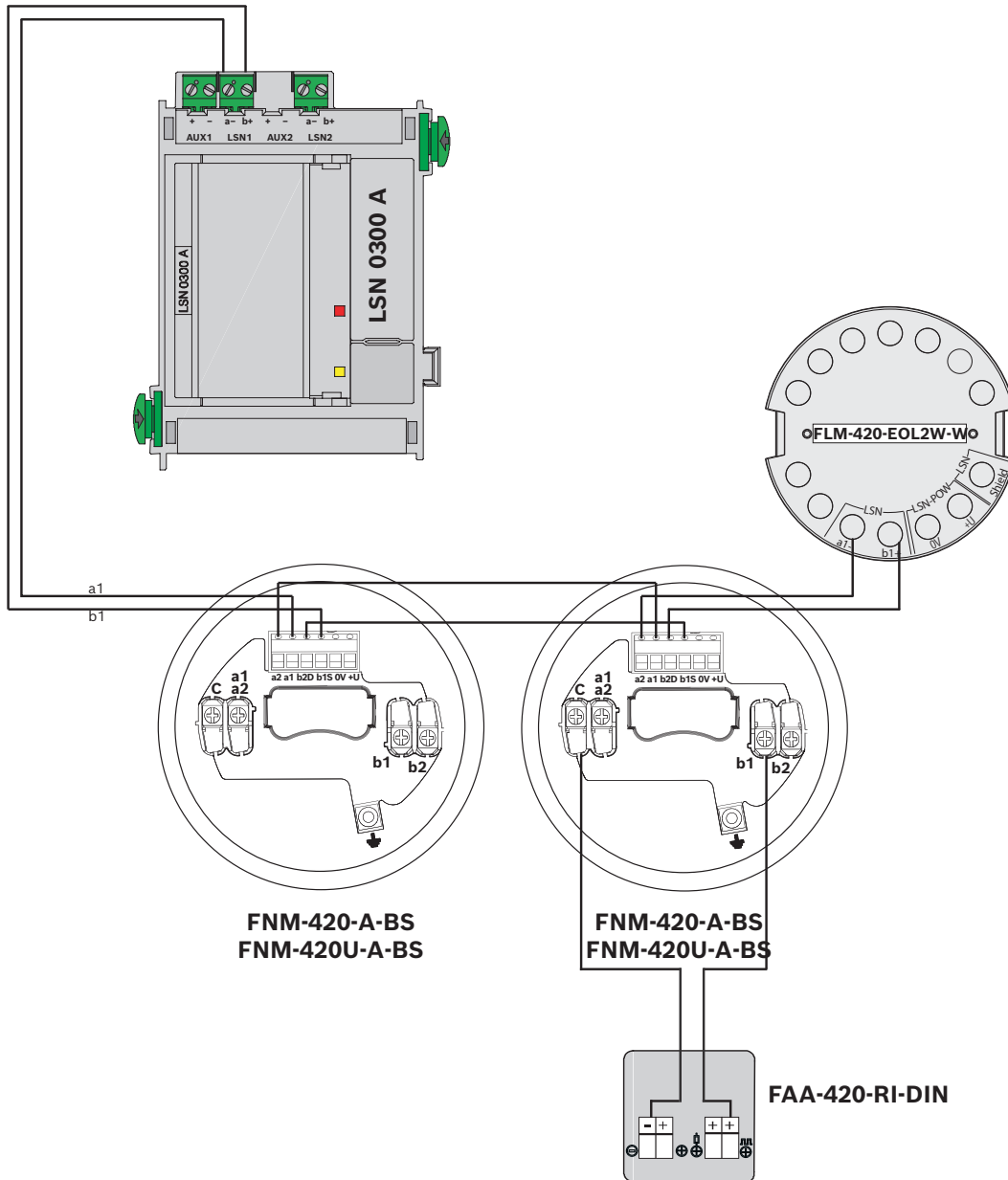




**FNM-420-A-BS**  
**FNM-420U-A-BS**



**ELC**

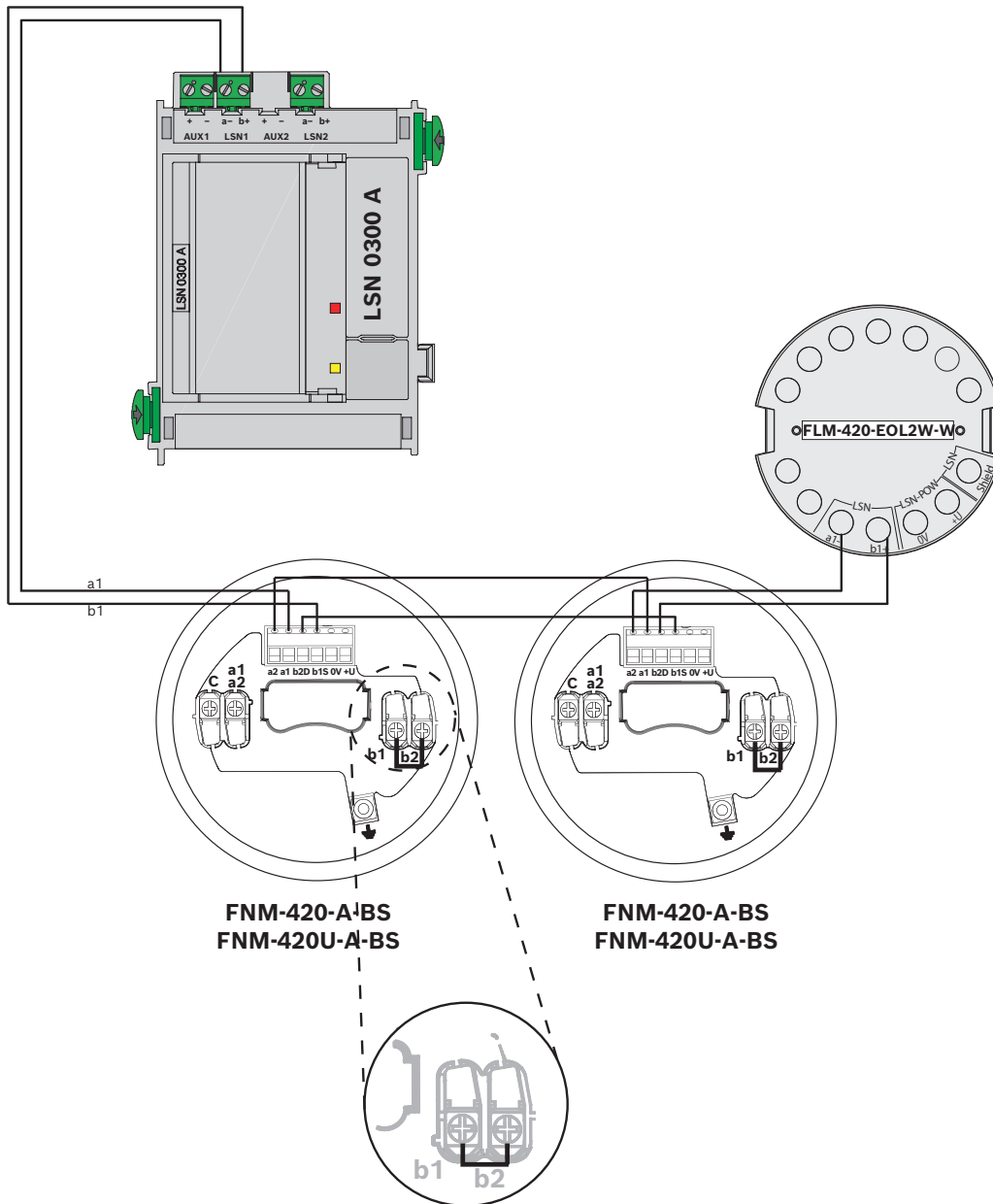


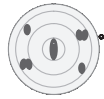


**FNM-420-A-BS**  
**FNM-420U-A-BS**



**ELS**

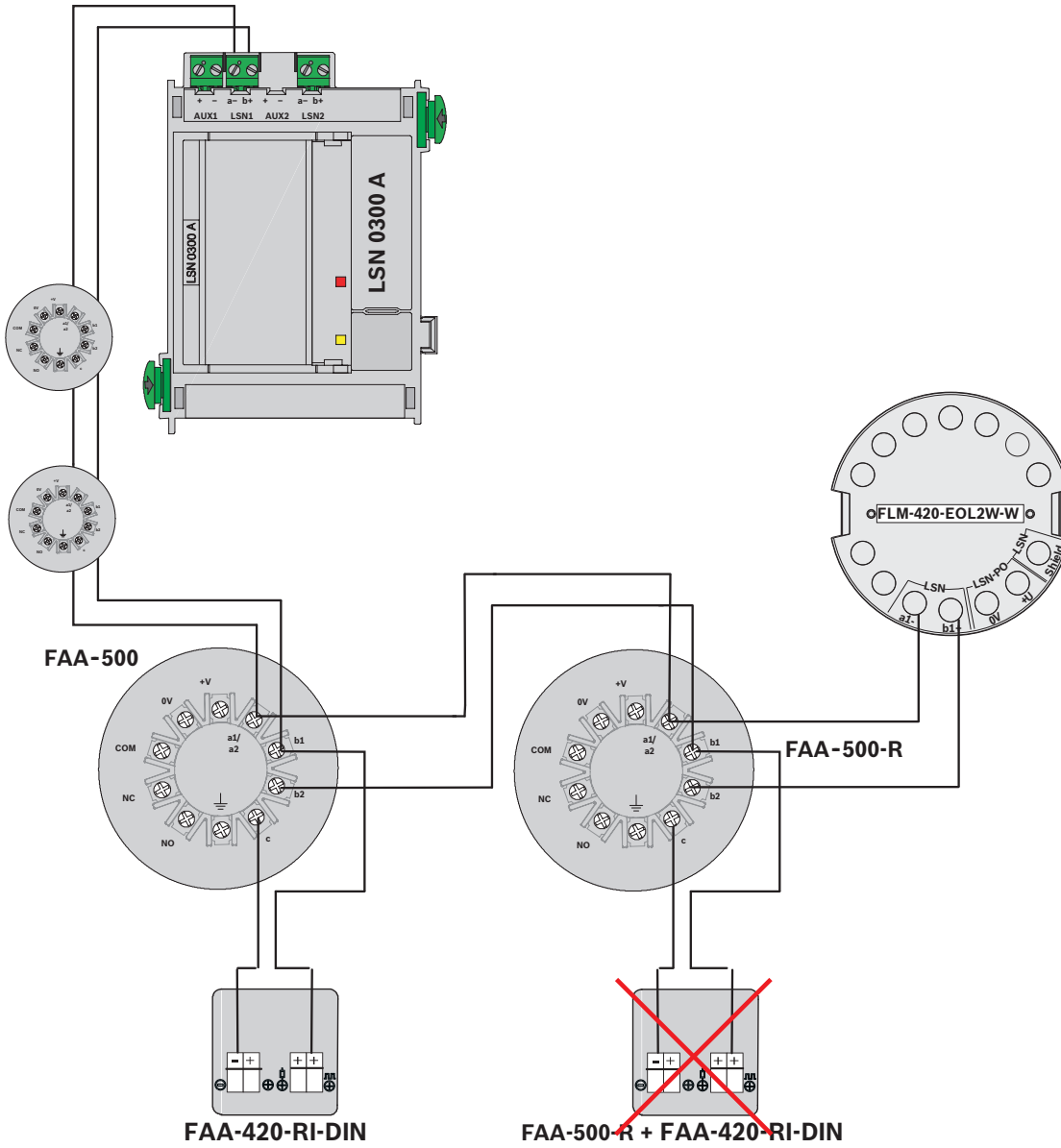


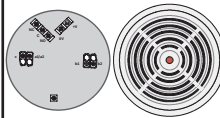


FAP-0520  
FAP-0520-P  
FAP-OC520  
FAP-OC-520-P

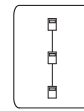


ELS

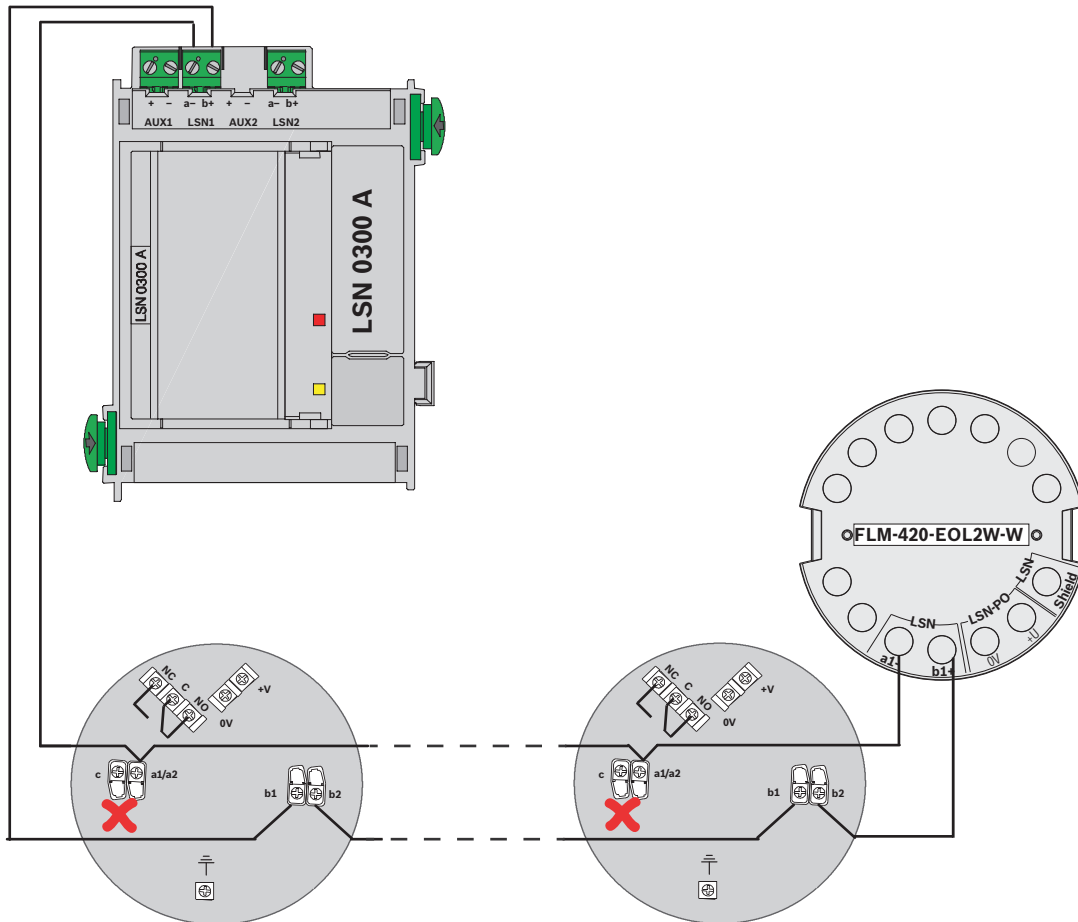


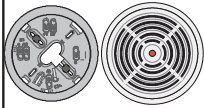


**FAA-MSR-420**  
**FAP-425-O, FAP-425-O-R**  
**FAP-425-OT, FAP-425-OT-R**  
**FAP-425-T-R**  
**FAP-425-DO-R, FAP-425-DOT-R**  
**FAP-425-DOTC-R, FAP-425-DOTCO-R**

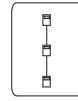


**ELS**

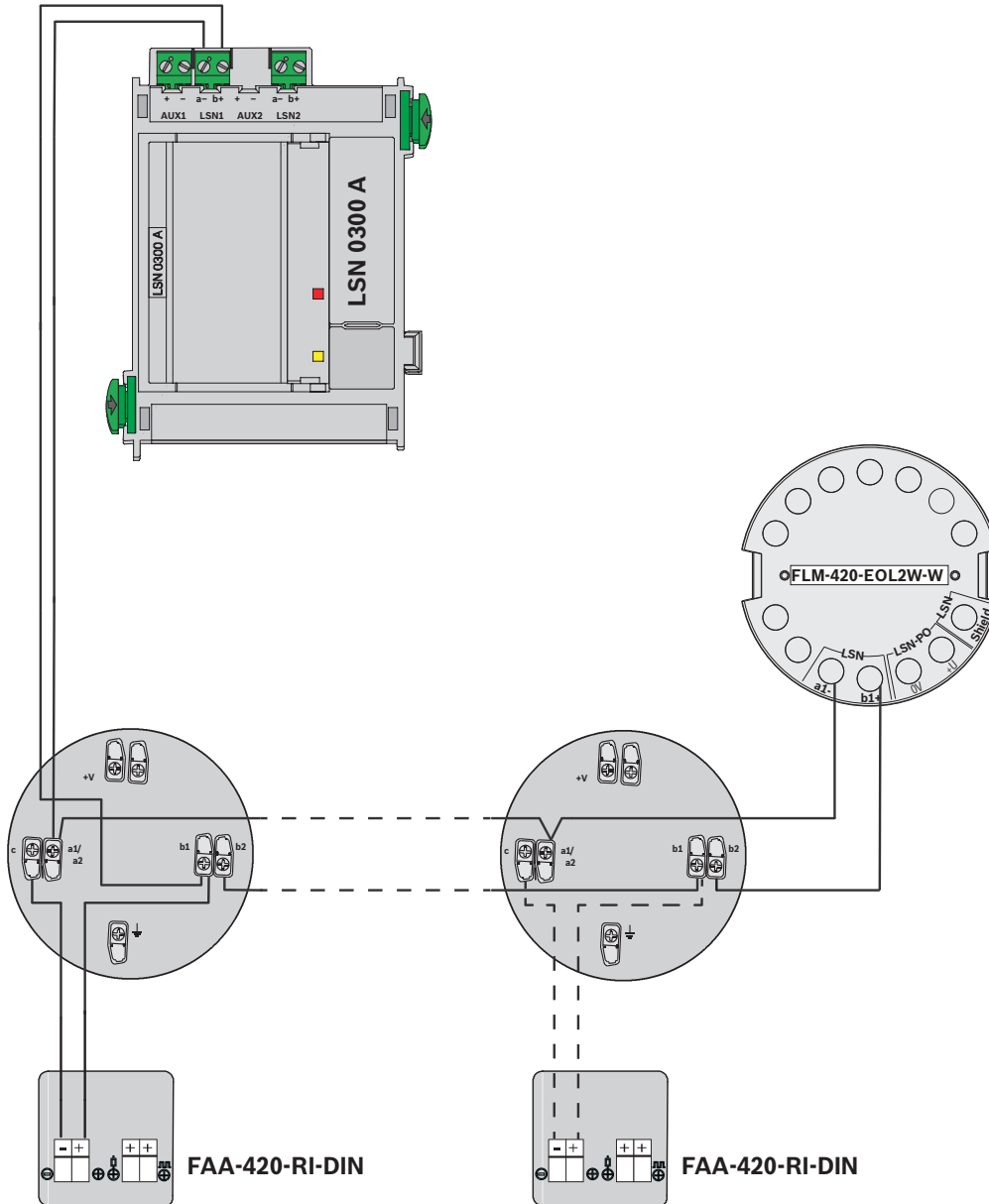


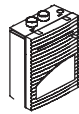


MS 400, MS 400 B  
 FAP-425-O, FAP-425-O-R  
 FAP-425-OT, FAP-425-OT-R  
 FAP-425-T-R  
 FAP-425-DO-R, FAP-425-DOT-R  
 FAP-425-DOTC-R, FAP-425-DOTCO-R

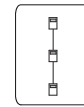


ELS

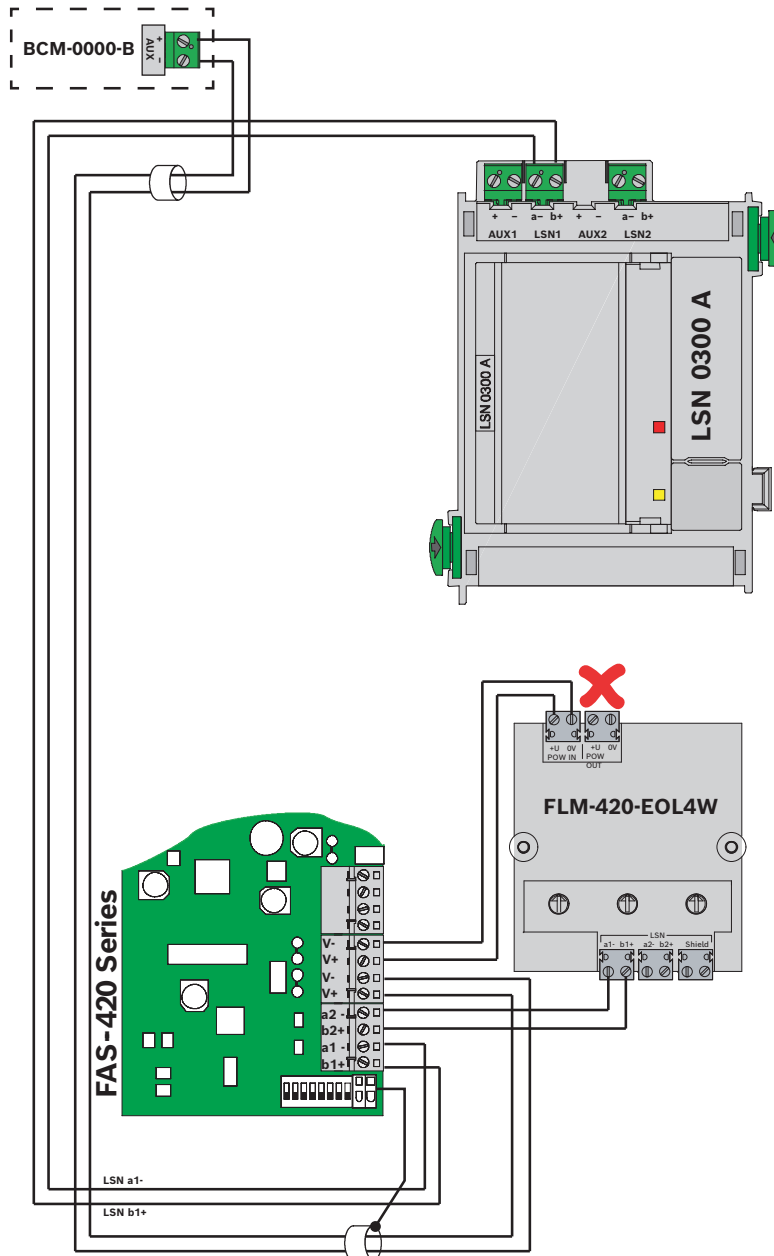


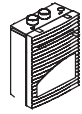


**FAS-420 Series**

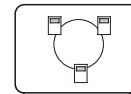


**ELS**

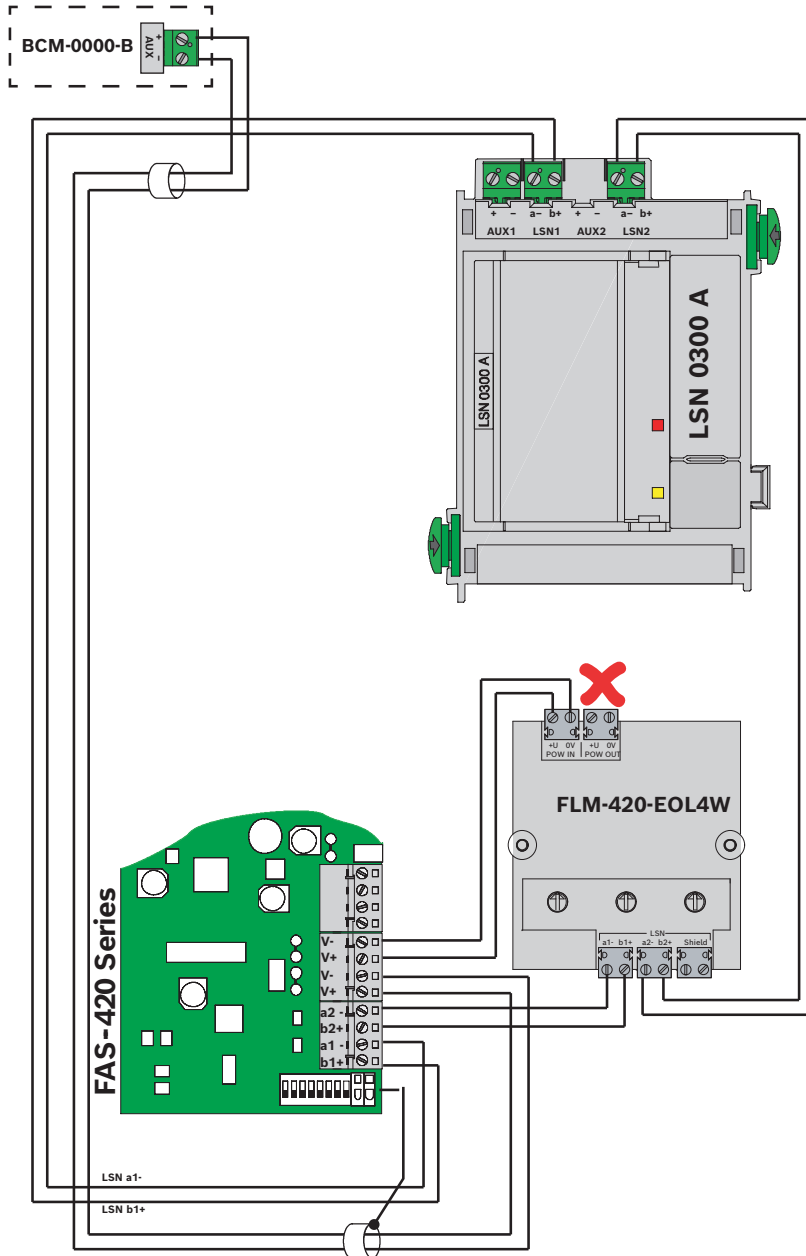




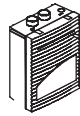
FAS-420 Series



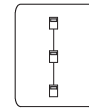
ELS



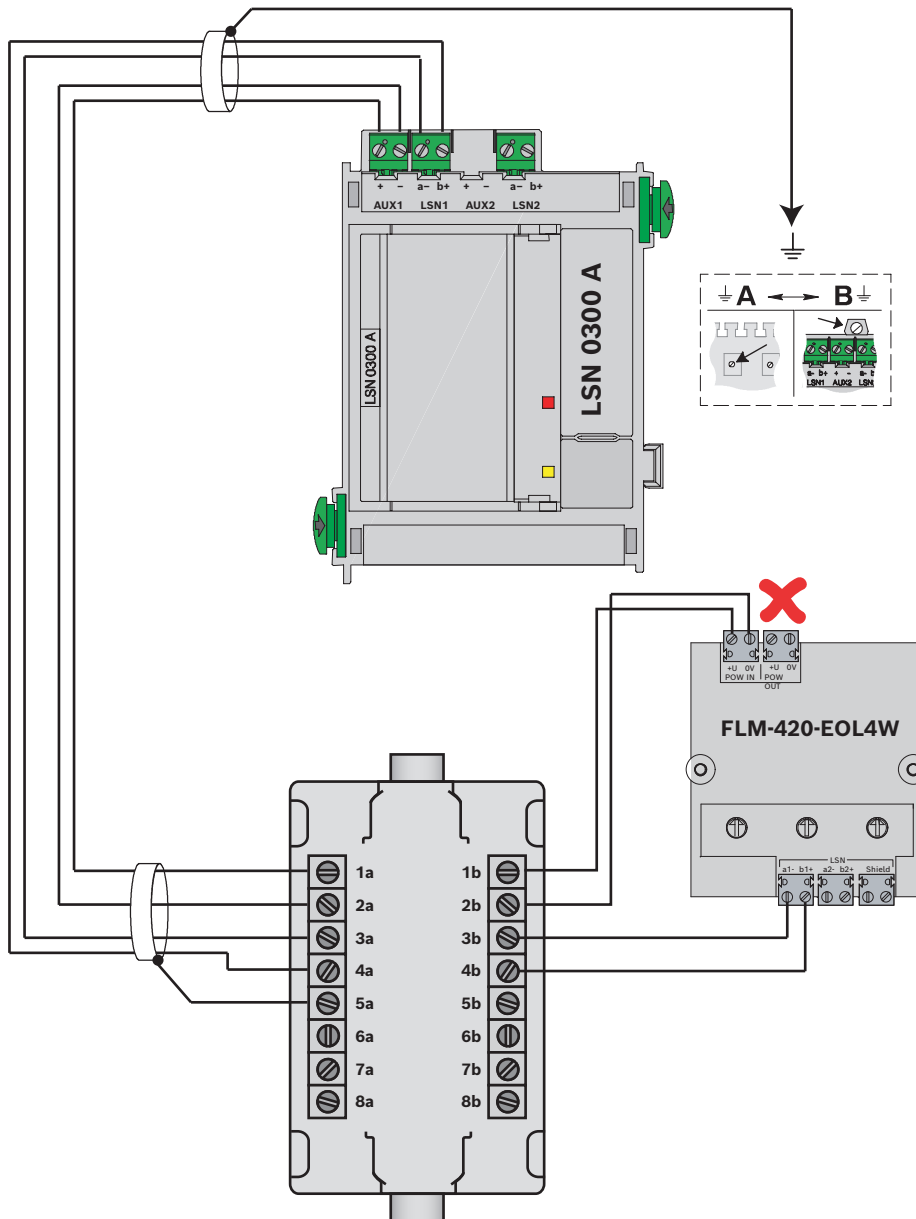


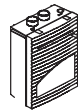


FAS-420-TM Series

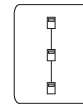


ELS

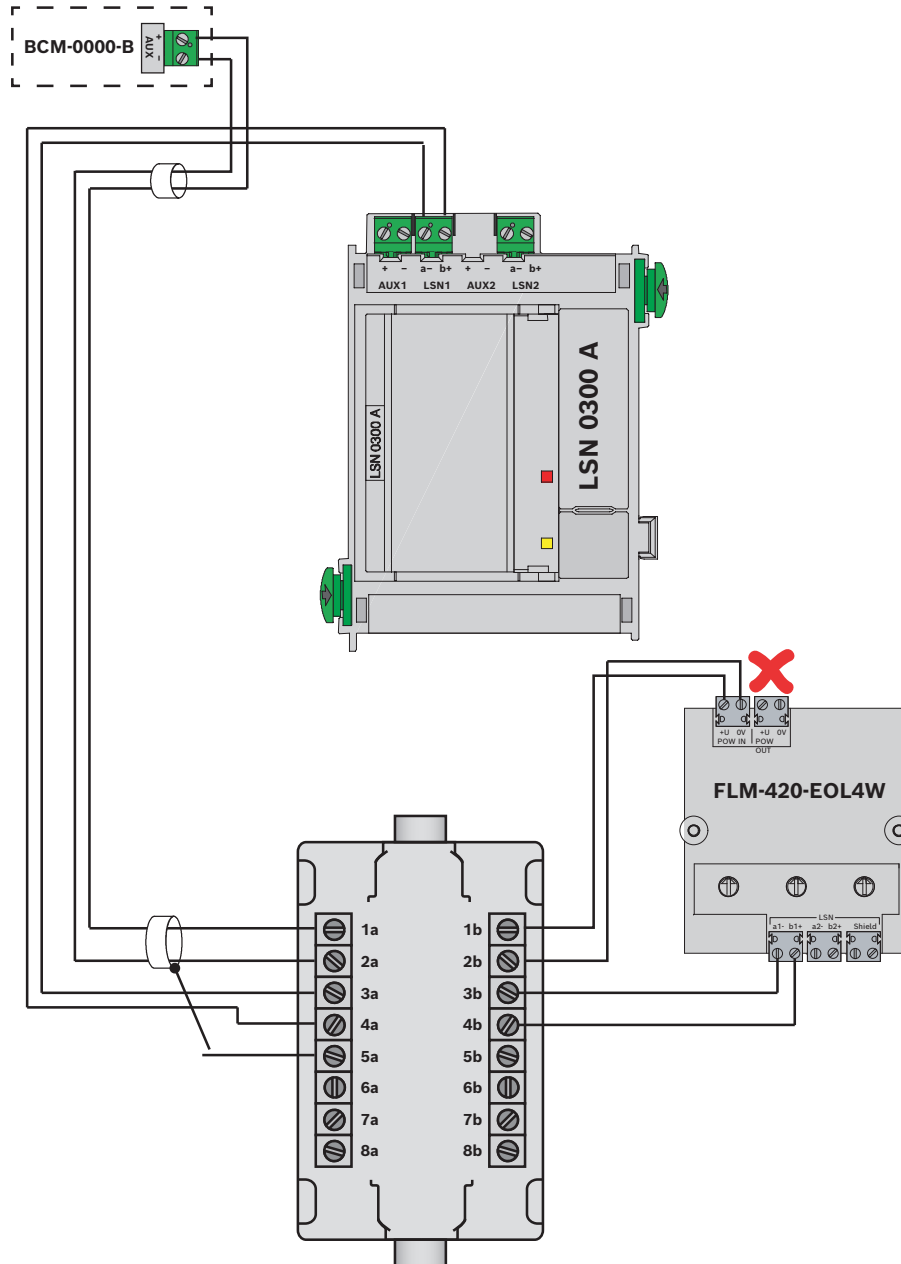


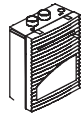


FAS-420-TM Series

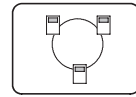


ELS

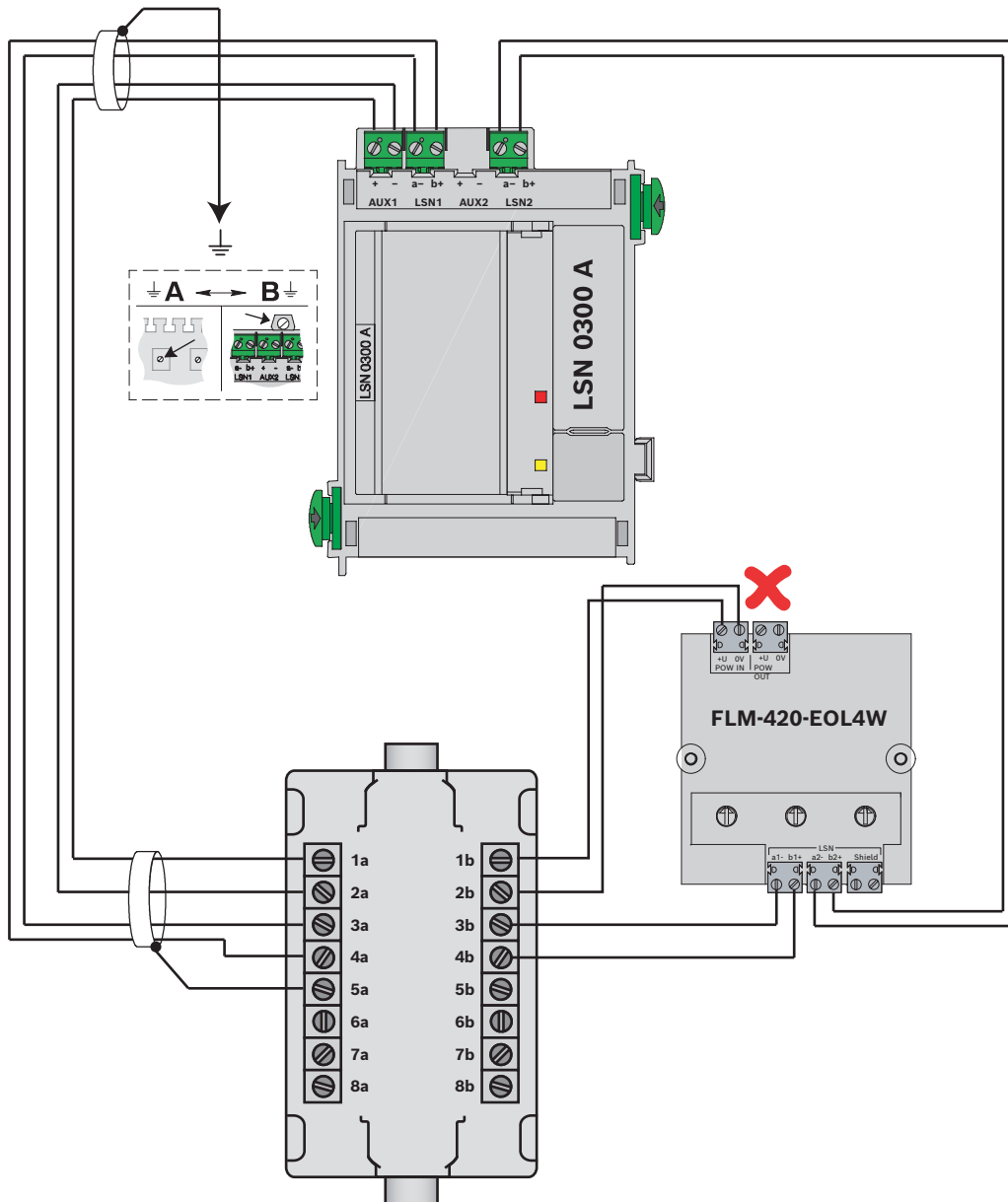


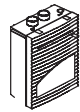


FAS-420-TM Series

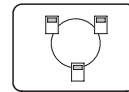


ELS

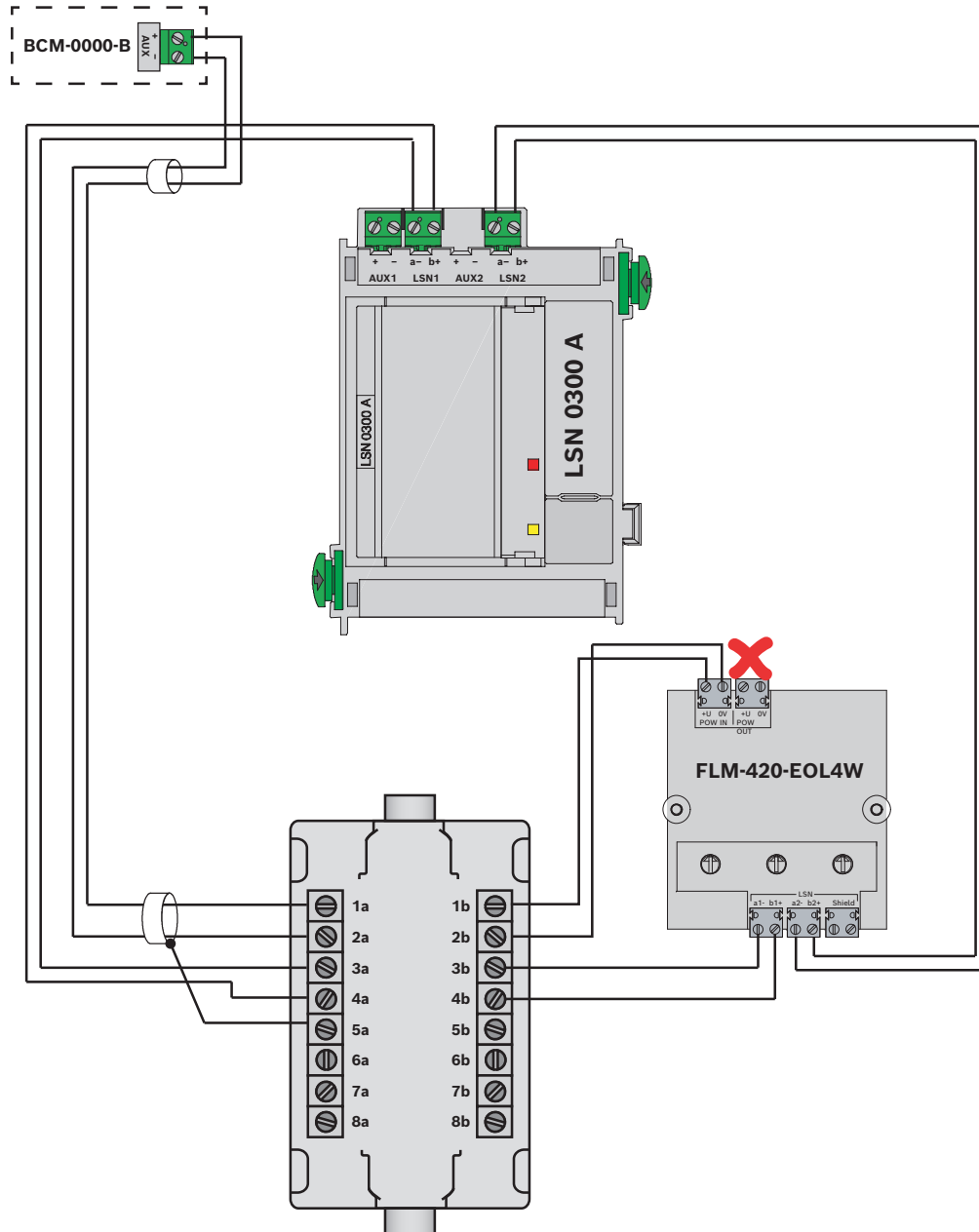




FAS-420-TM Series

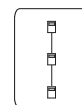


ELS

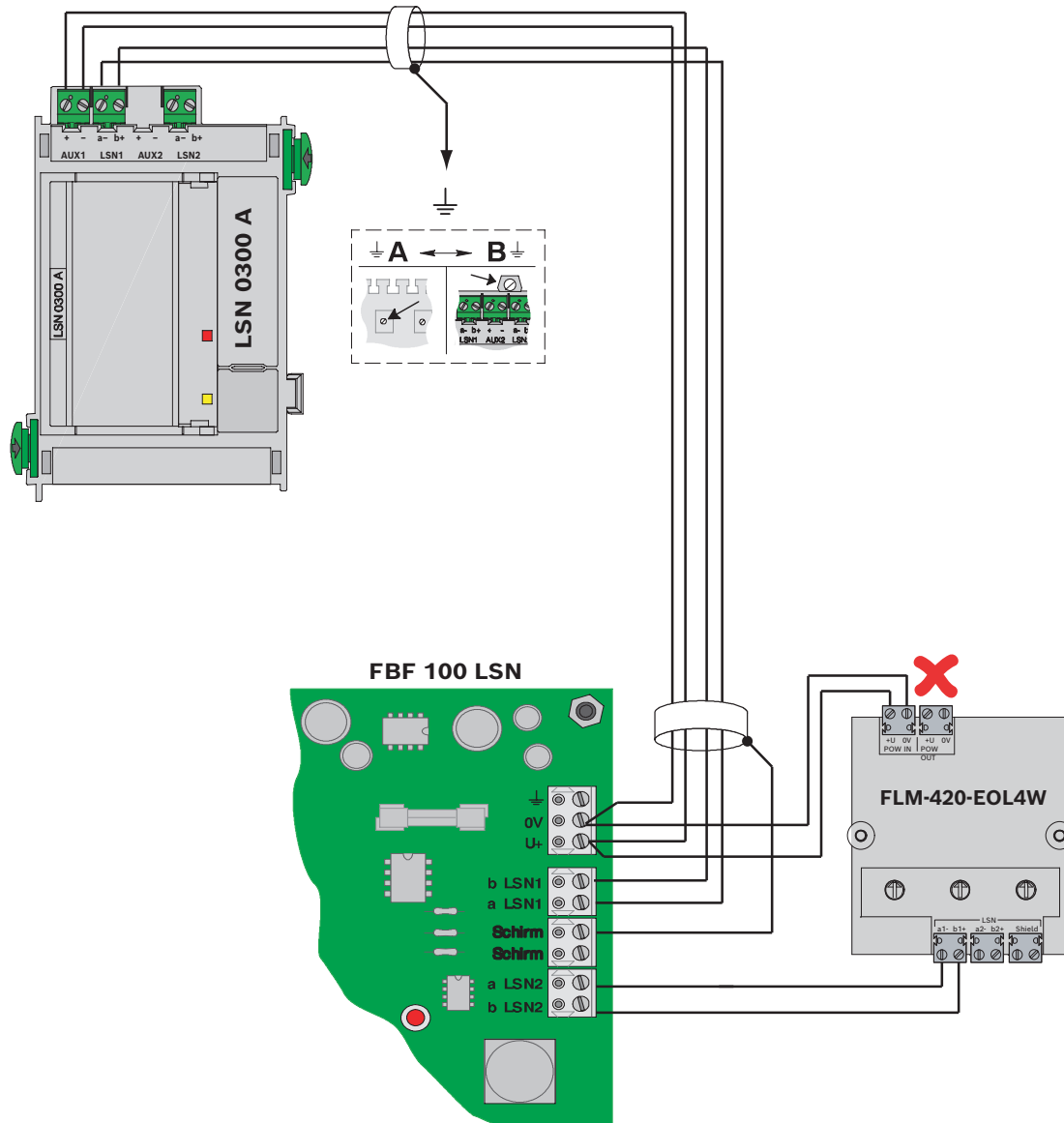




**FBF 100 LSN**

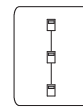


**ELS**

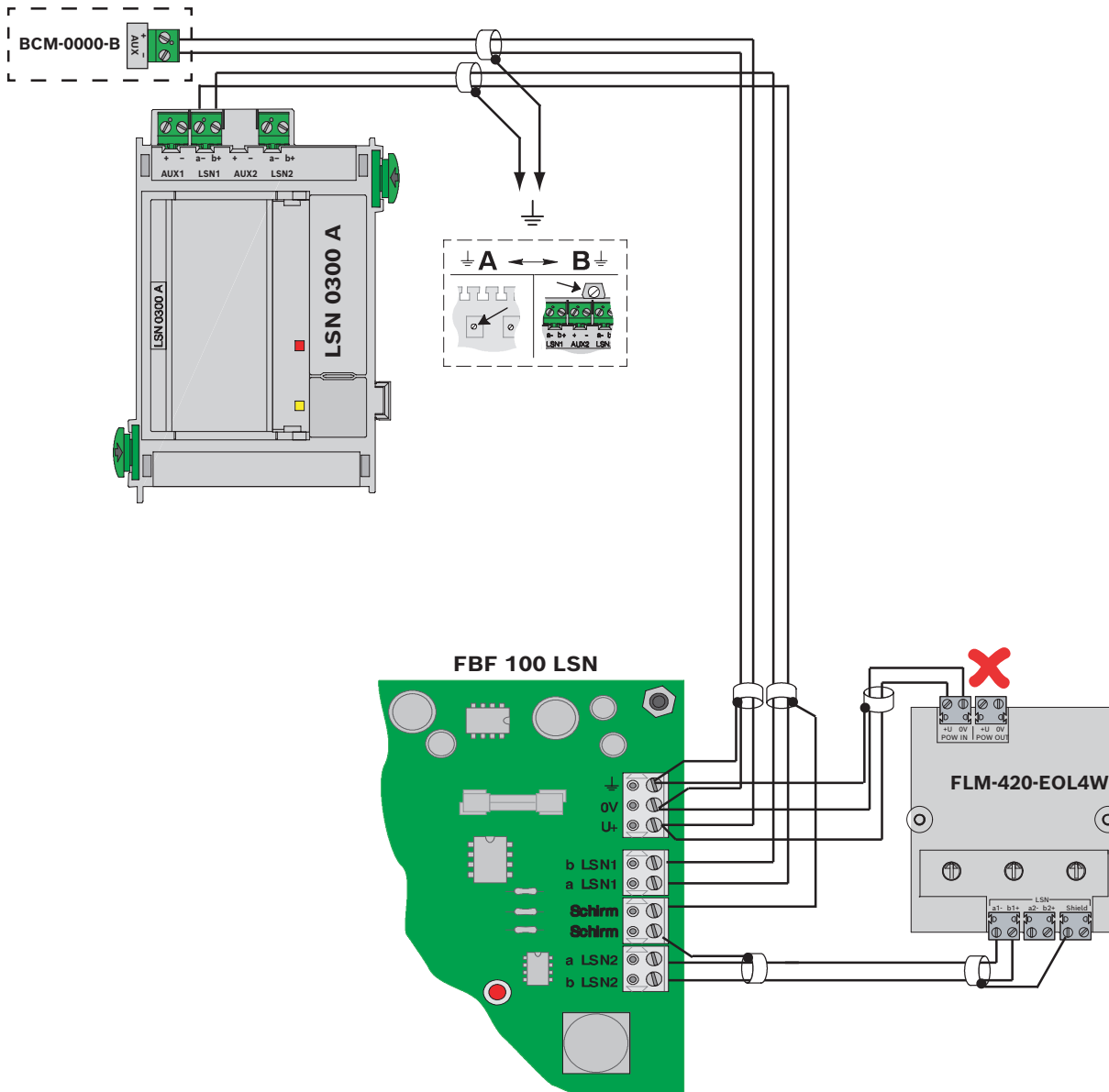




FBF 100 LSN

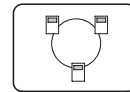


ELS

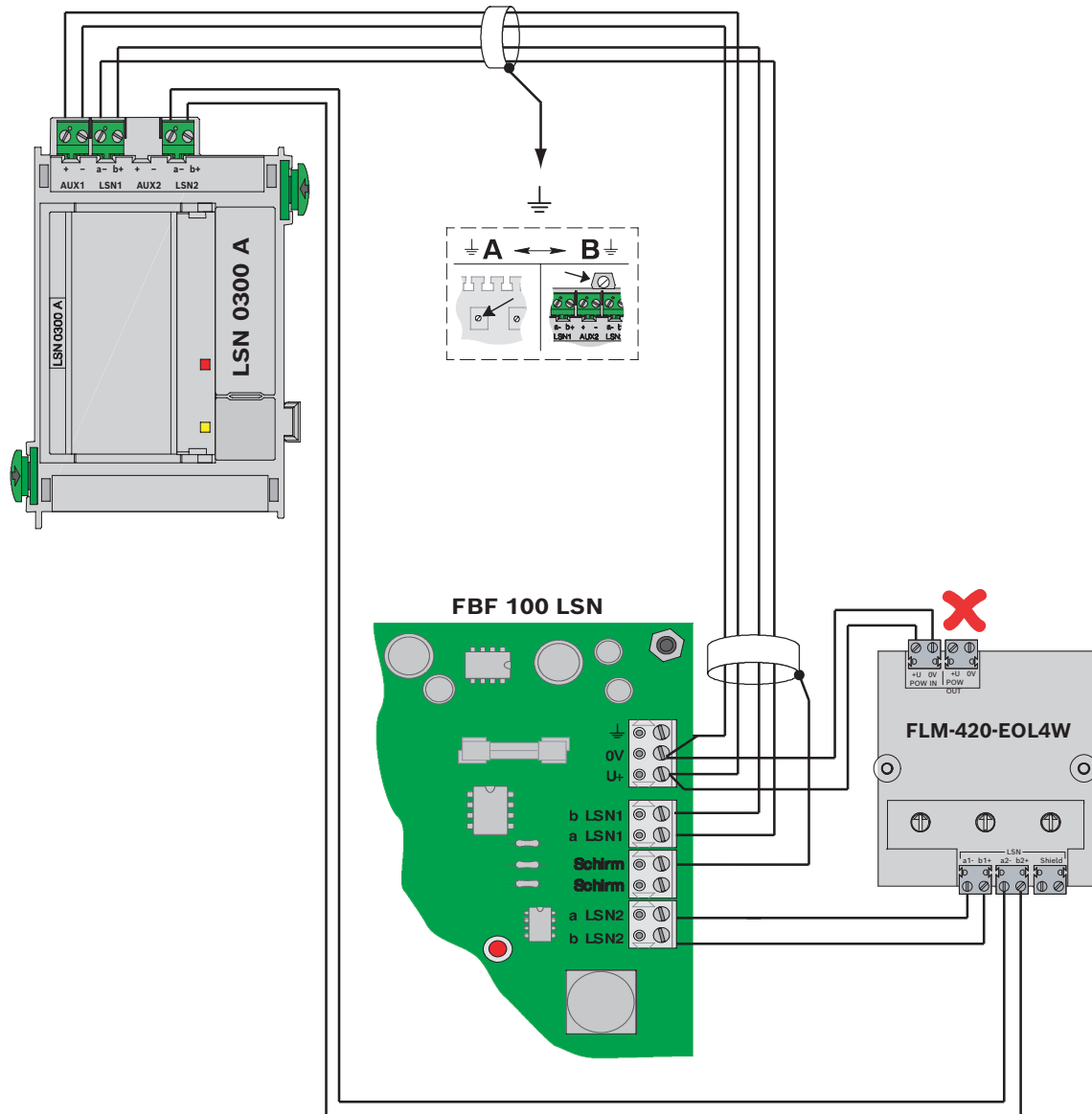


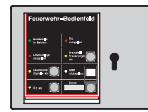


FBF 100 LSN

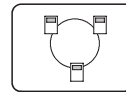


ELS

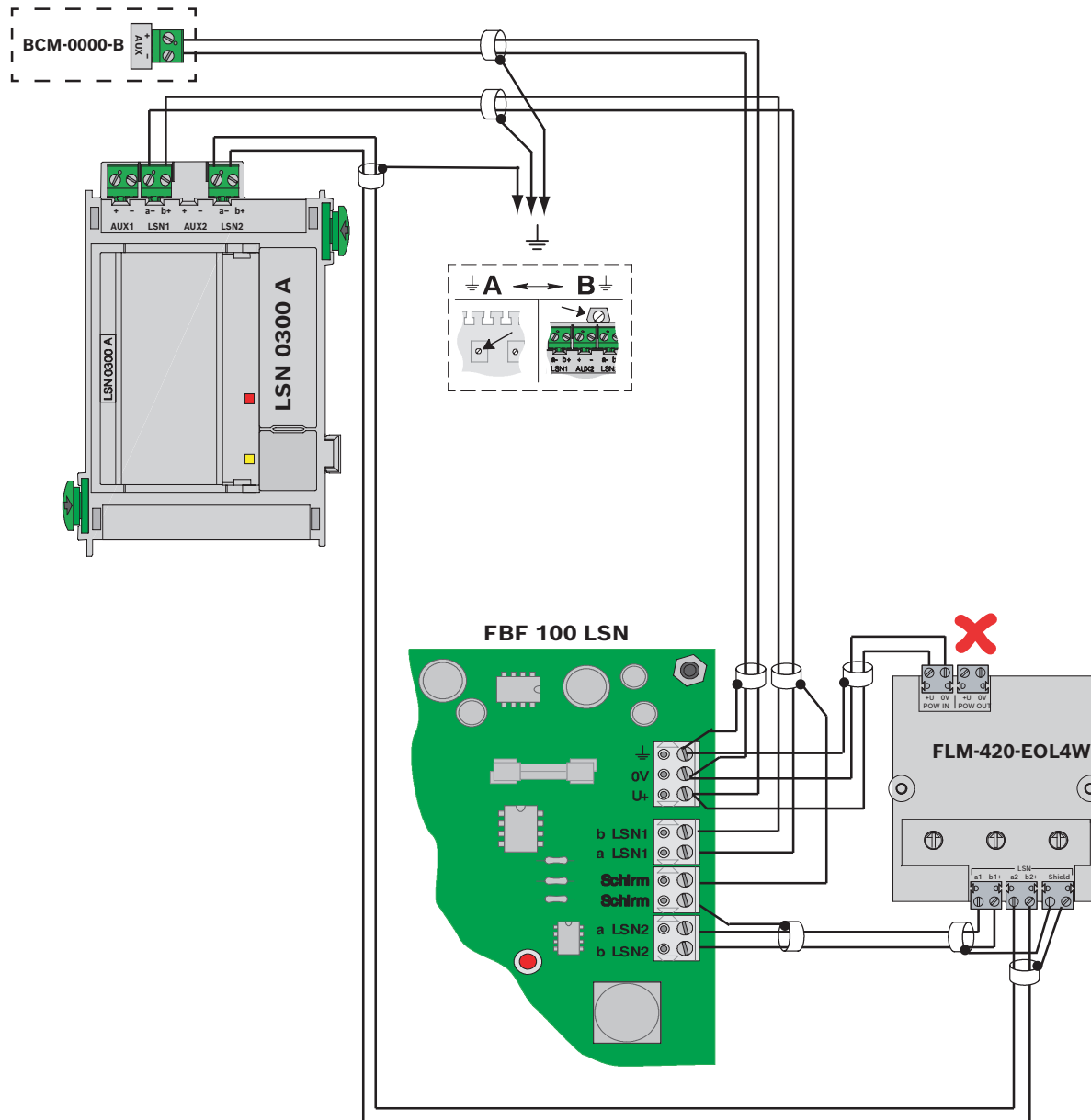




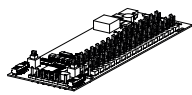
**FBF 100 LSN**



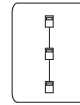
**ELS**



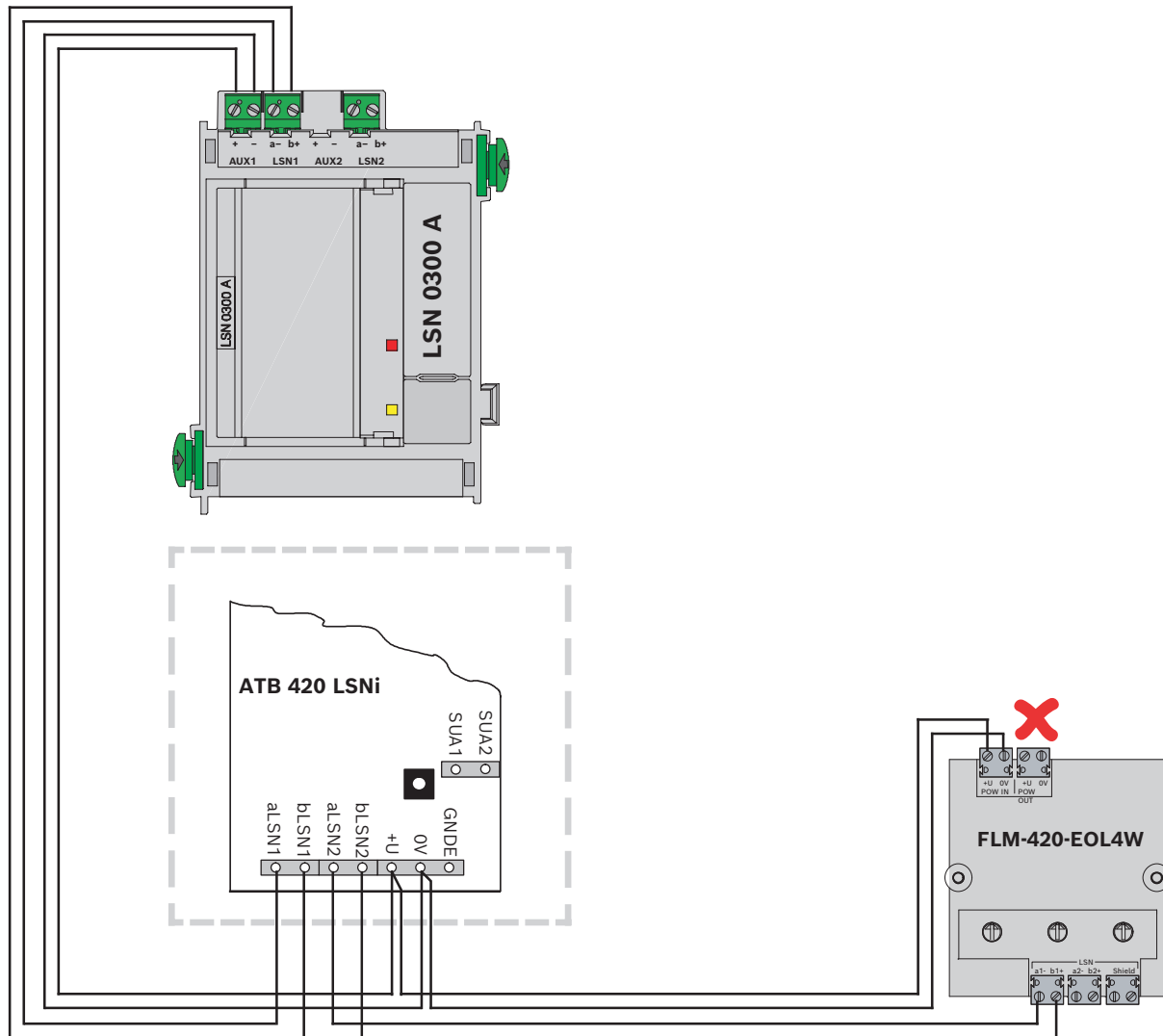


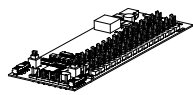
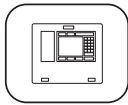


ATB 420 LSNi

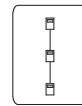


ELS

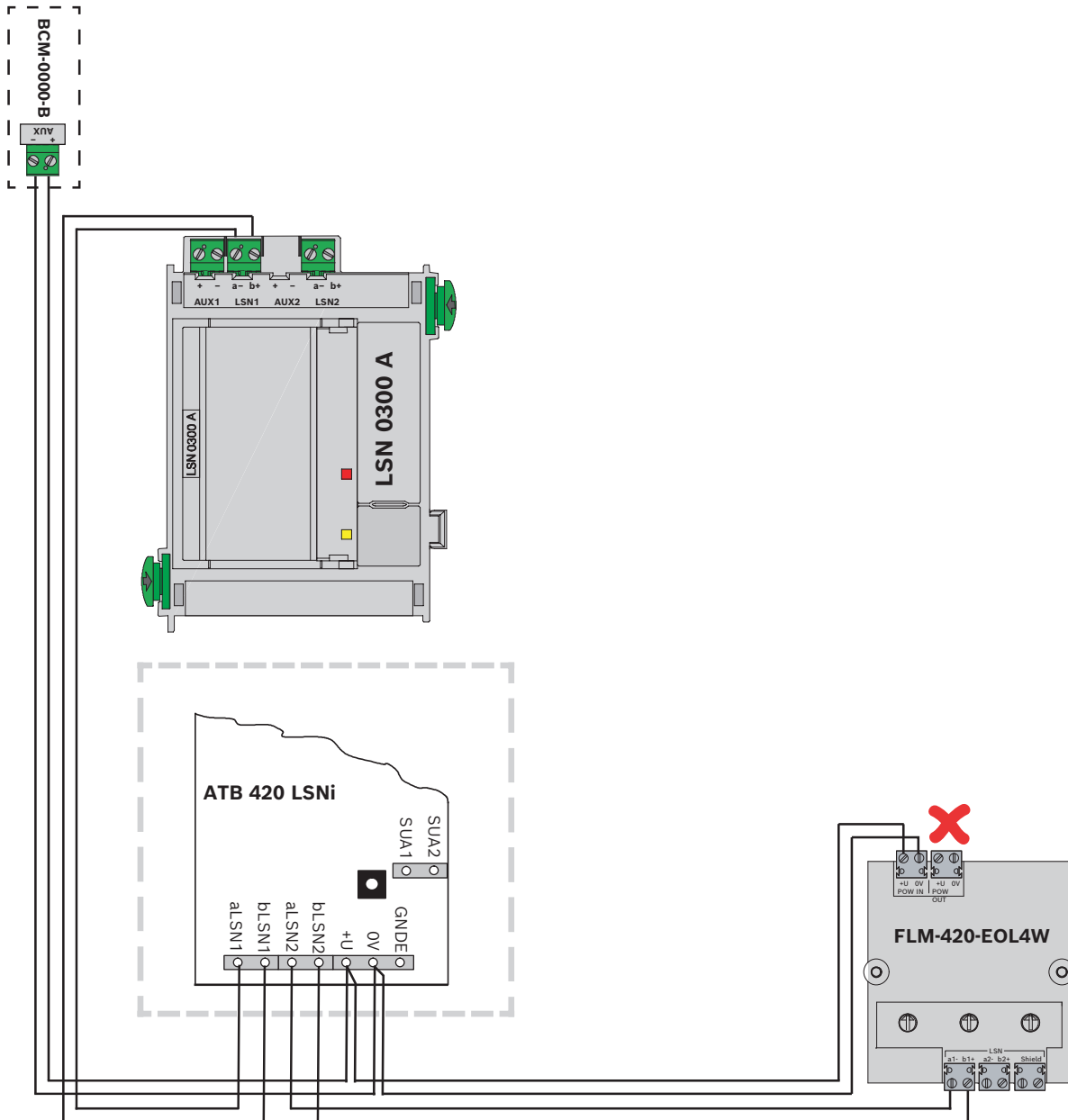


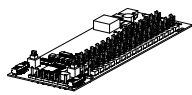


ATB 420 LSNi

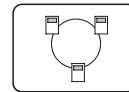


ELS

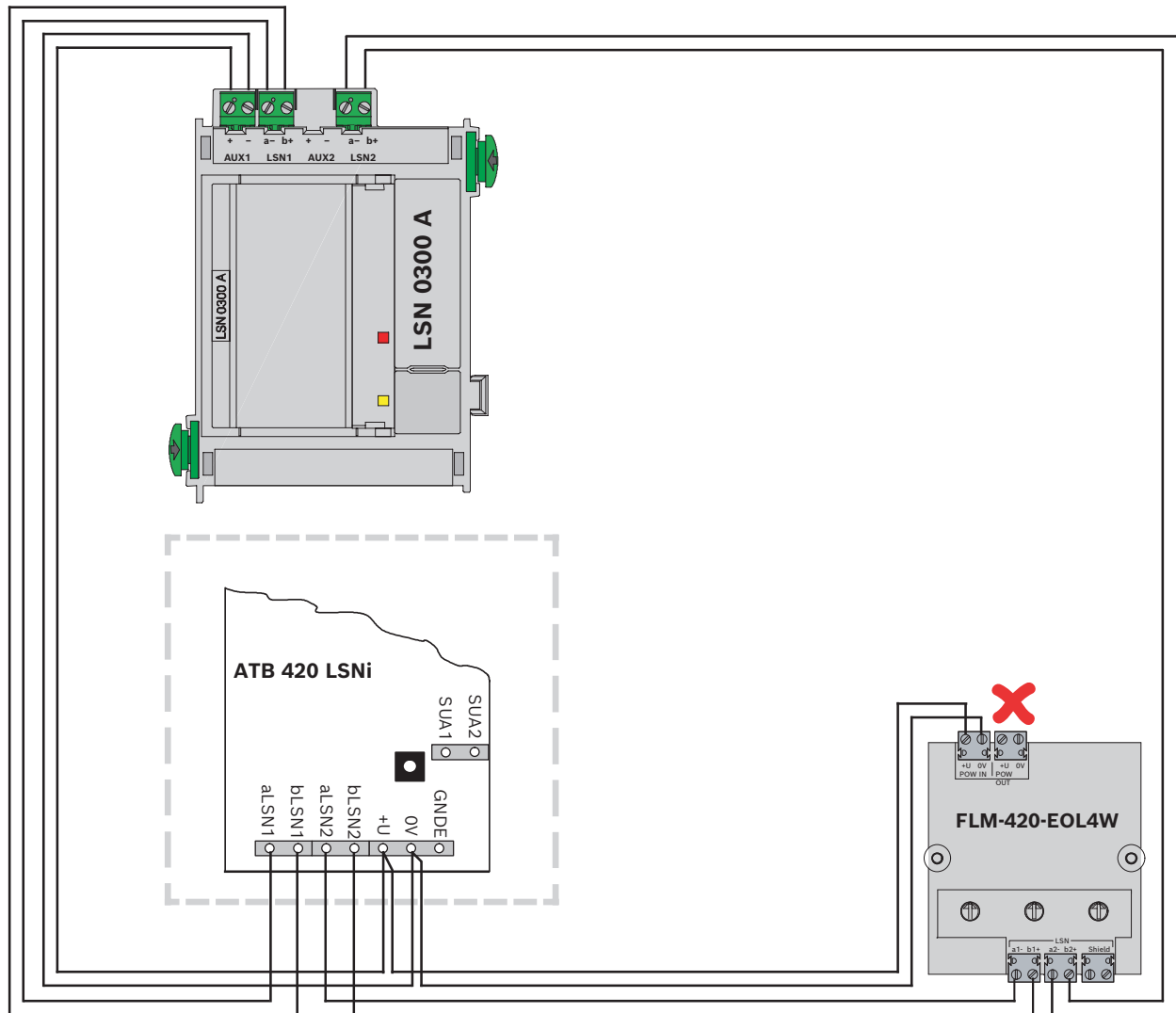


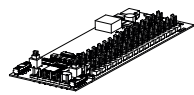


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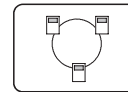


ELS

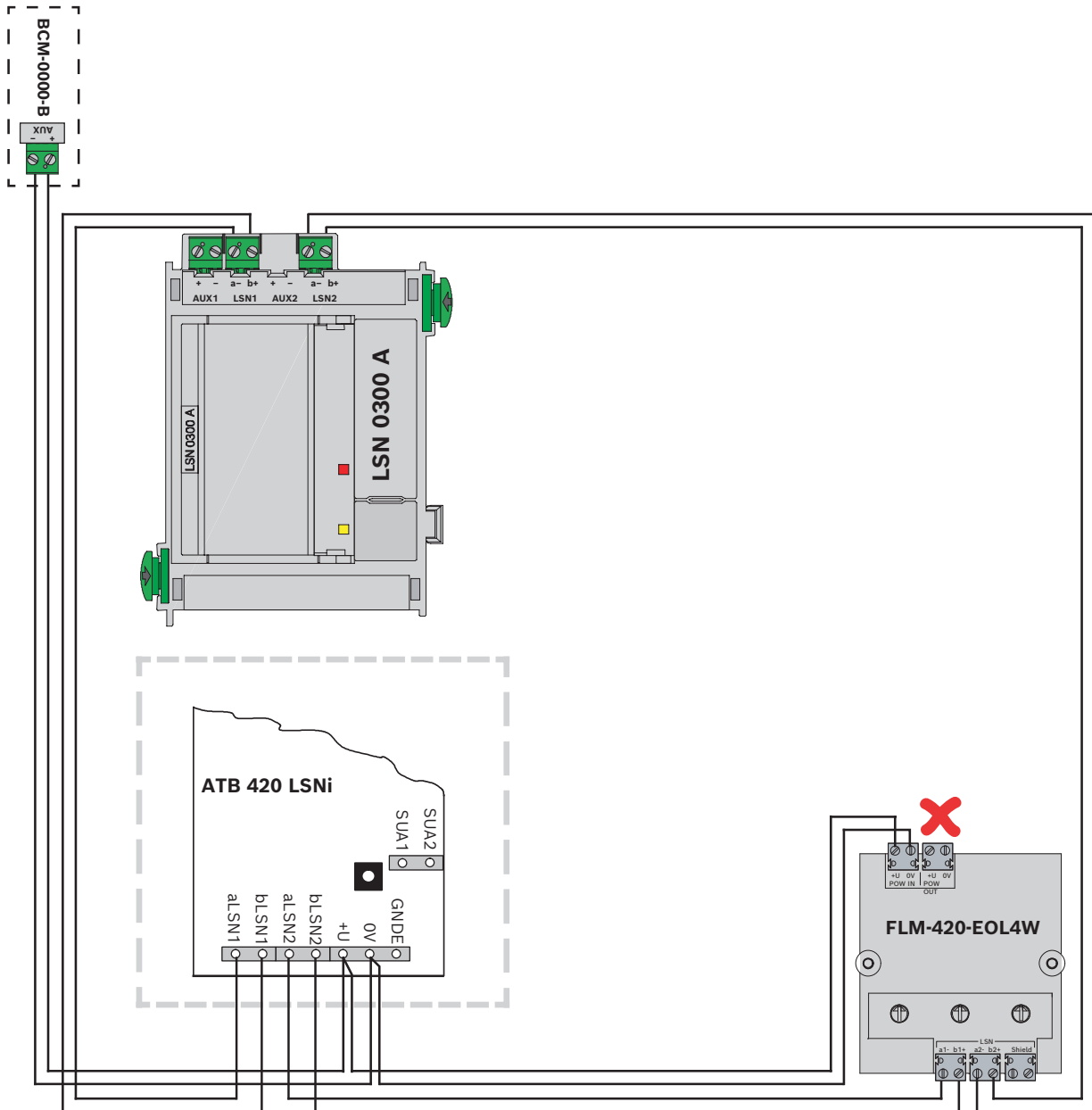




ATB 420 LSNi

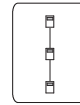


ELS

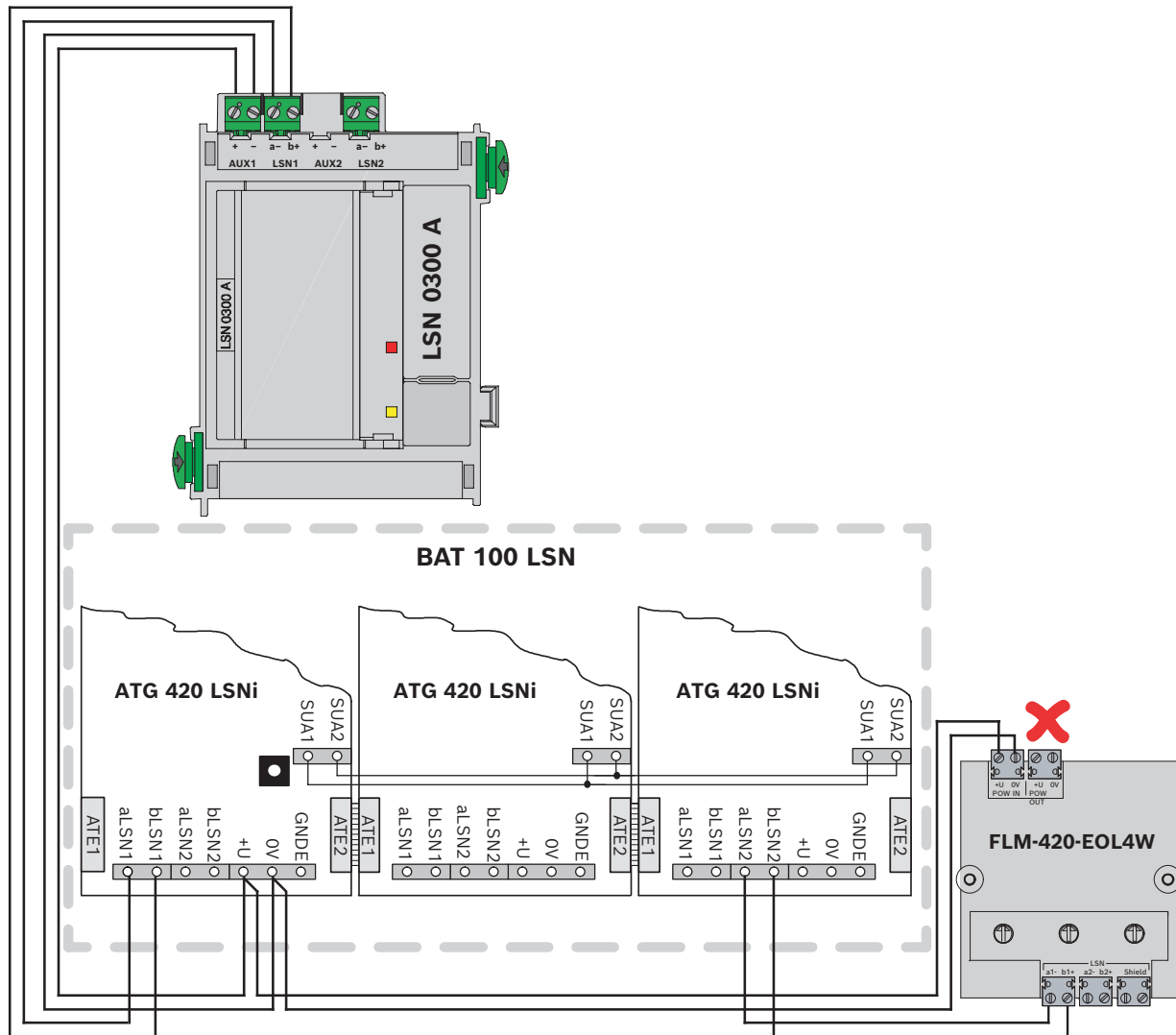




**BAT 100 LSN**  
**ATG 420 LSNi**

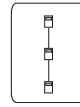


**ELS**

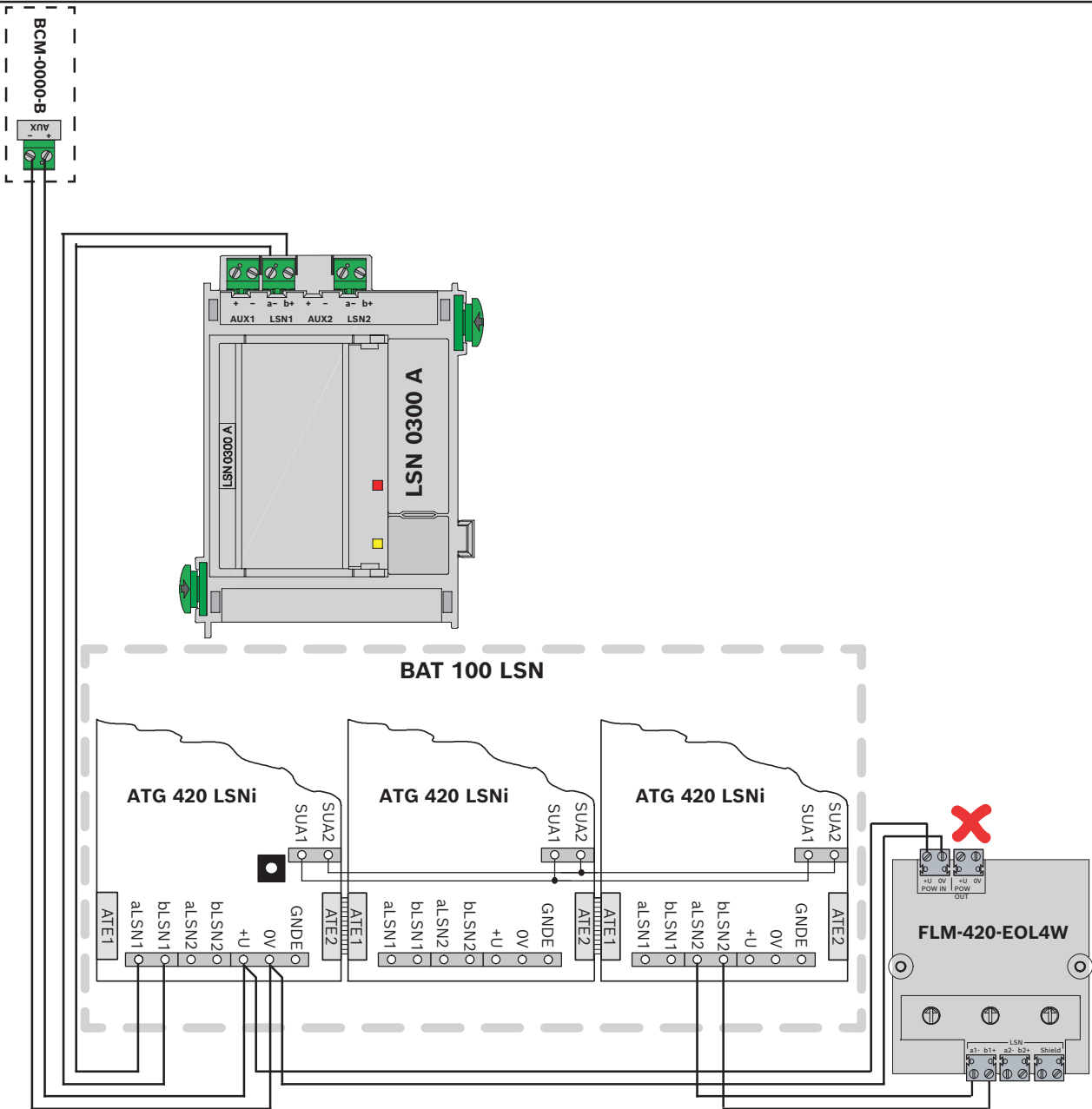




**BAT 100 LSN**  
**ATG 420 LSNi**

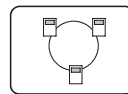


**ELS**

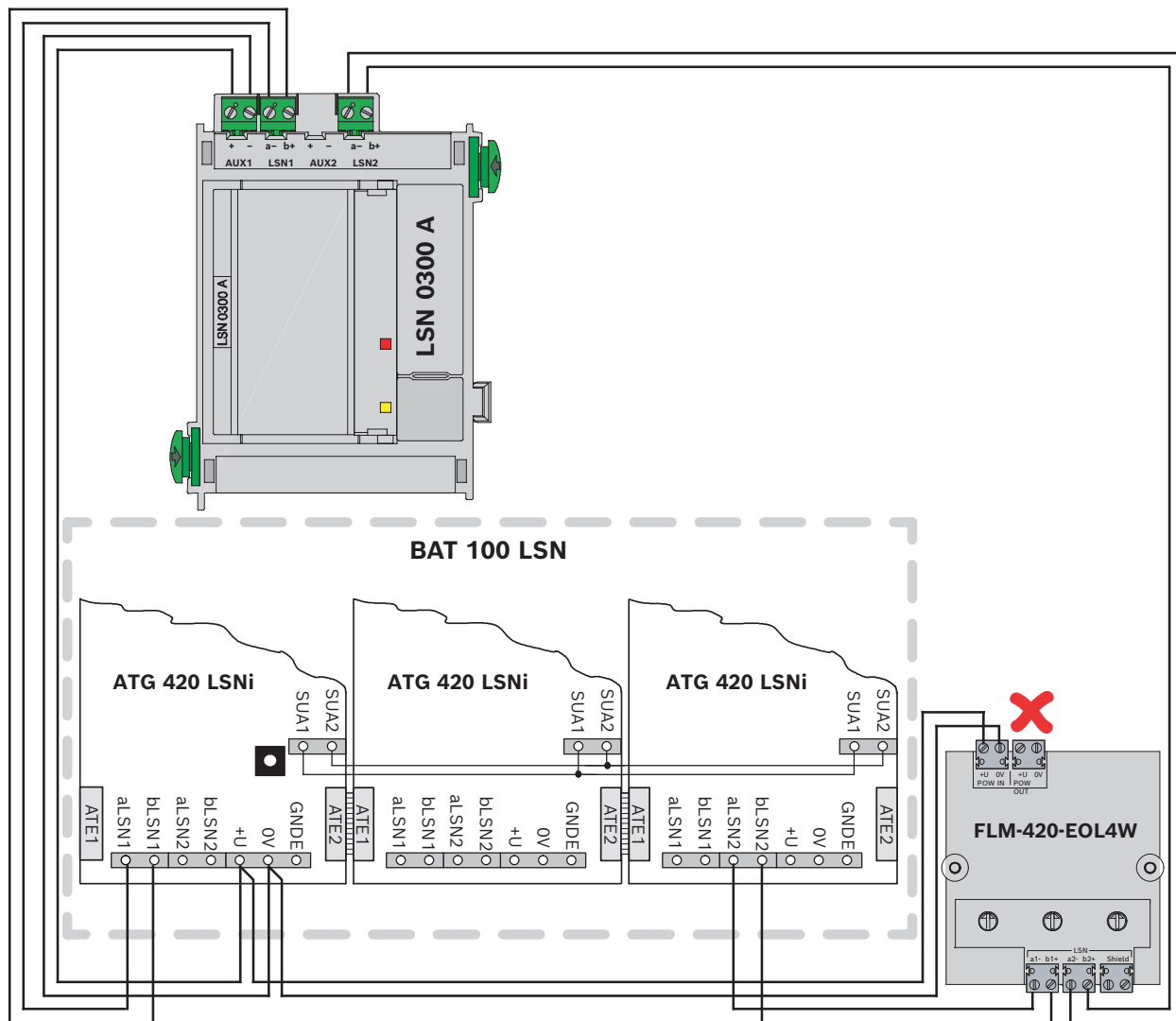




**BAT 100 LSN  
ATG 420 LSNi**

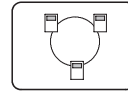


**ELS**

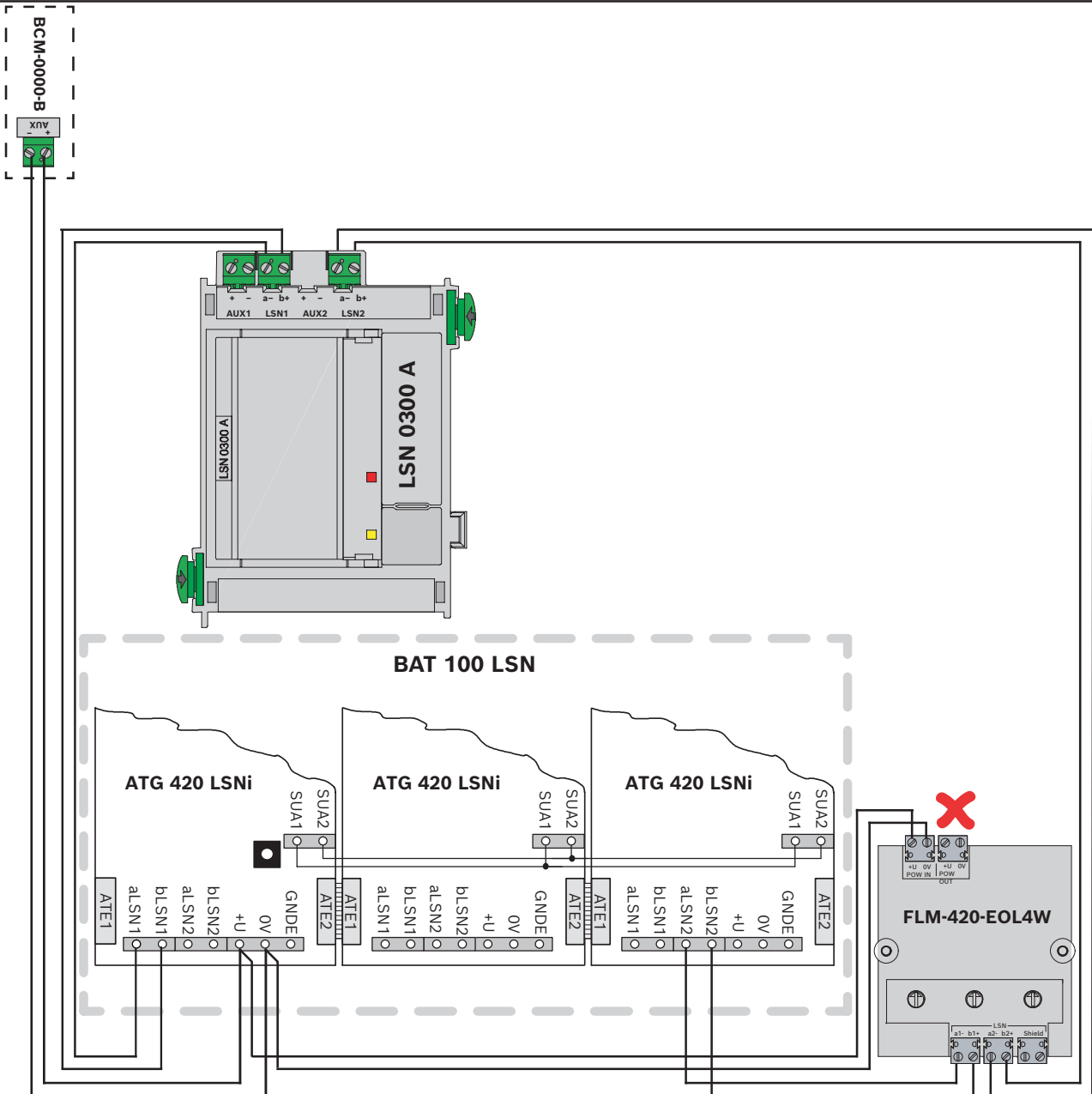




**BAT 100 LSN**  
**ATG 420 LSNi**



**ELS**



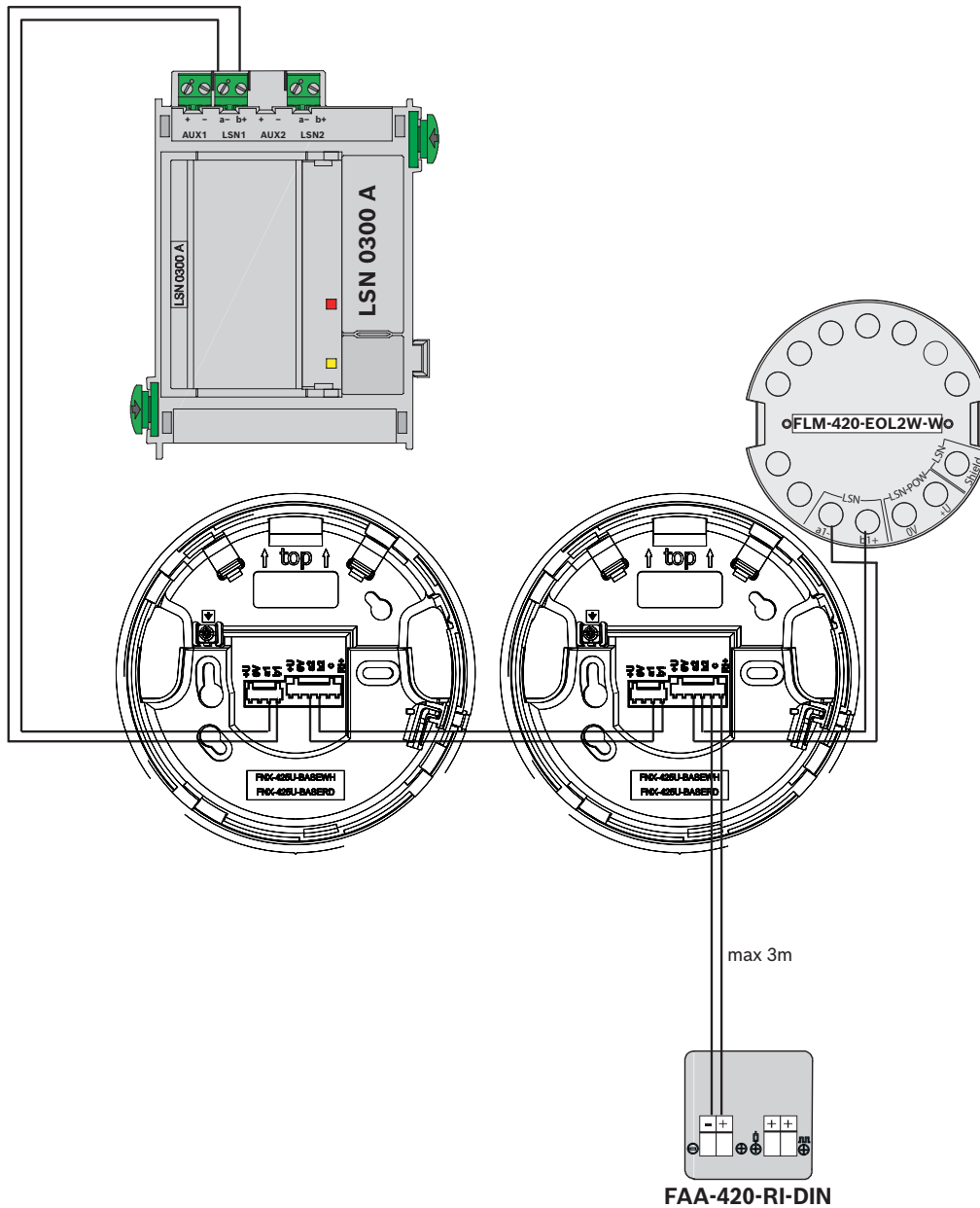




**FNX-425U-WFWH**  
**FNX-425U-RFWH**  
**FNX-425U-WFRD**  
**FNX-425U-RFRD**



**ELS**



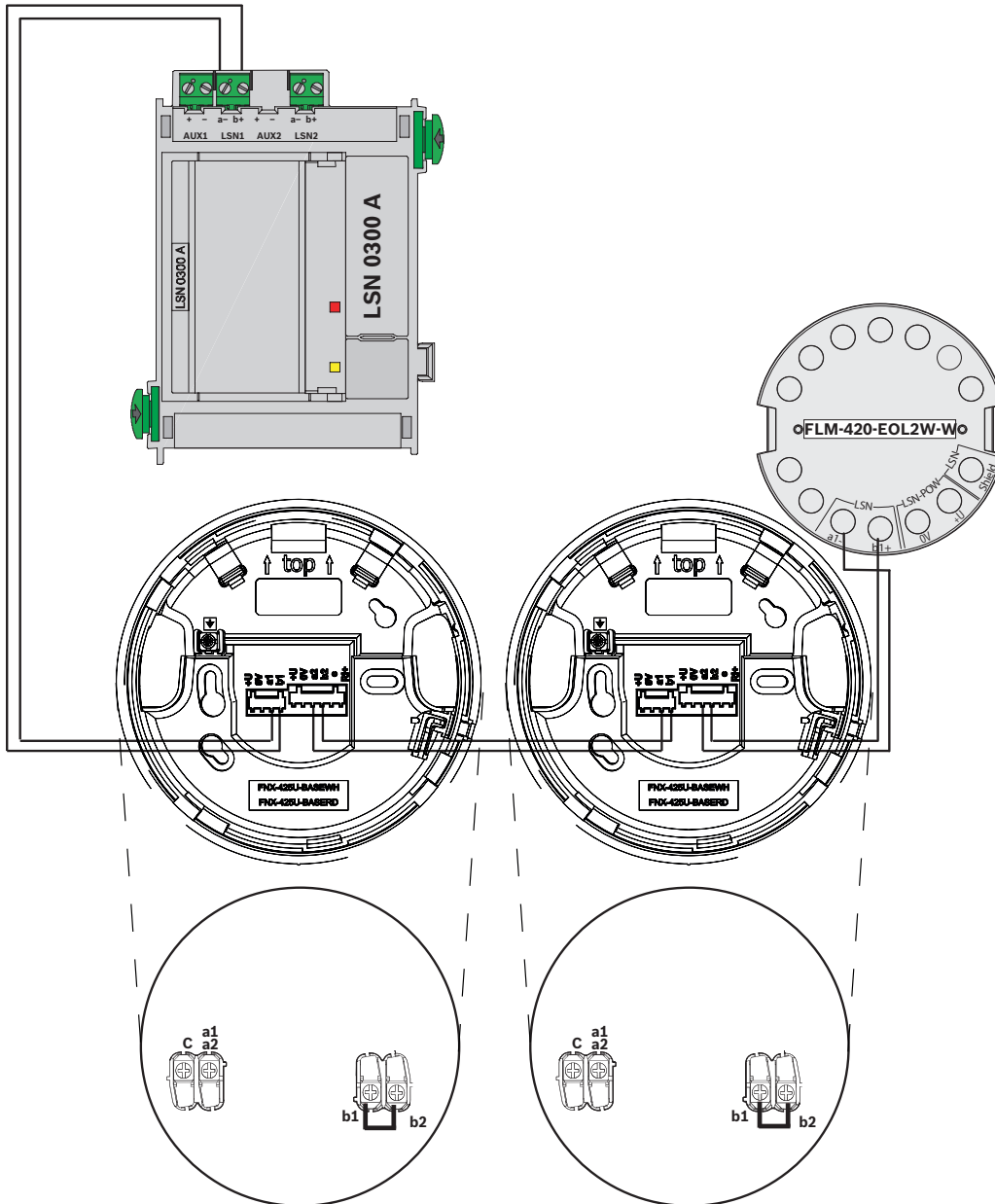


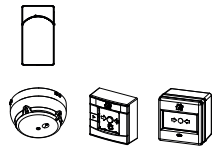
FNX-425U-WFWH  
 FNX-425U-RFWH  
 FNX-425U-WFRD  
 FNX-425U-RFRD

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



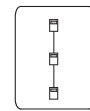
ELS



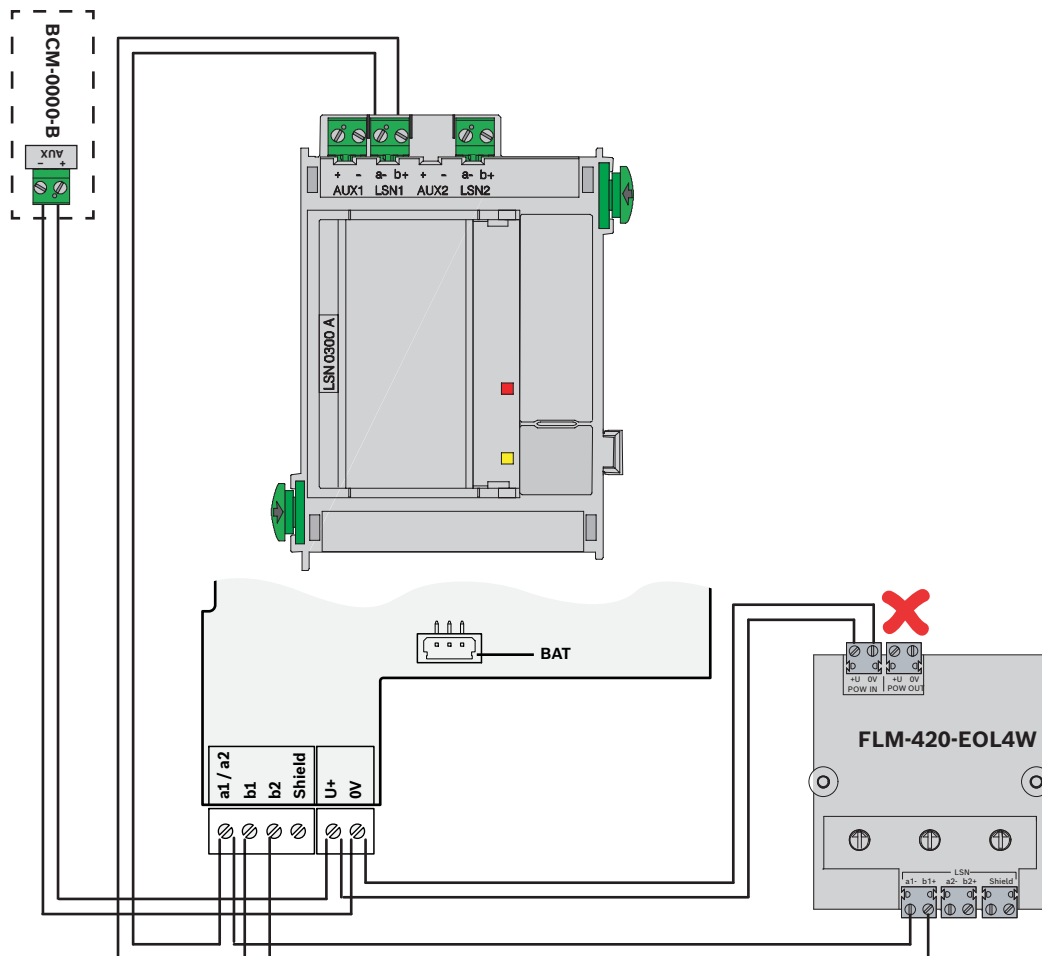


**FWI-270**

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



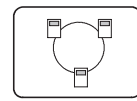
**ELS**



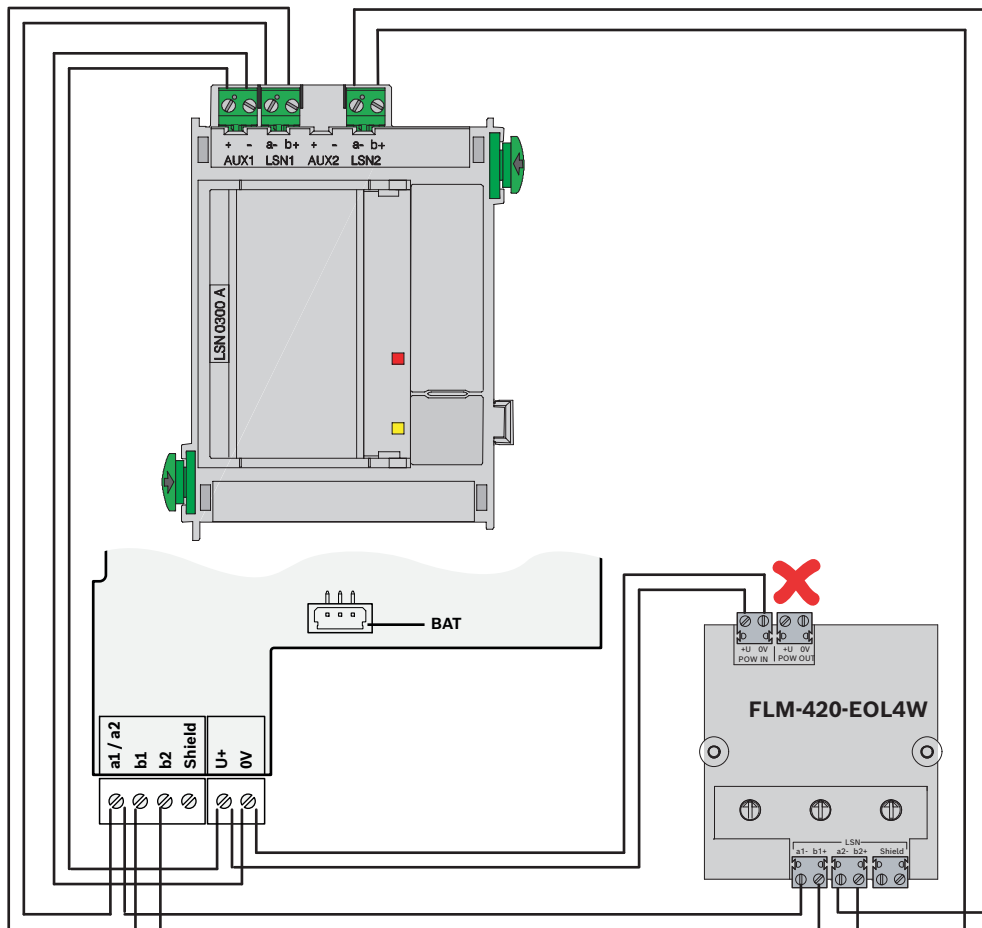


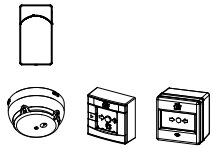
**FWI-270**

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



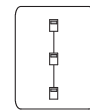
**ELS**



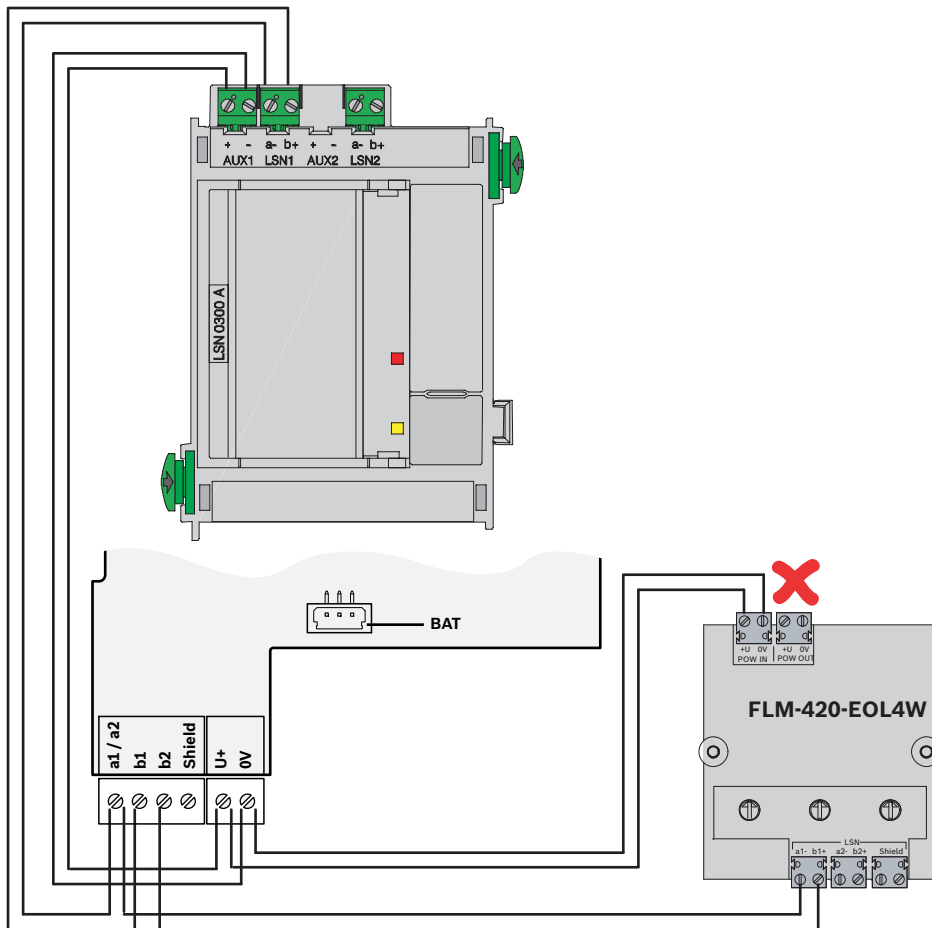


**FWI-270**

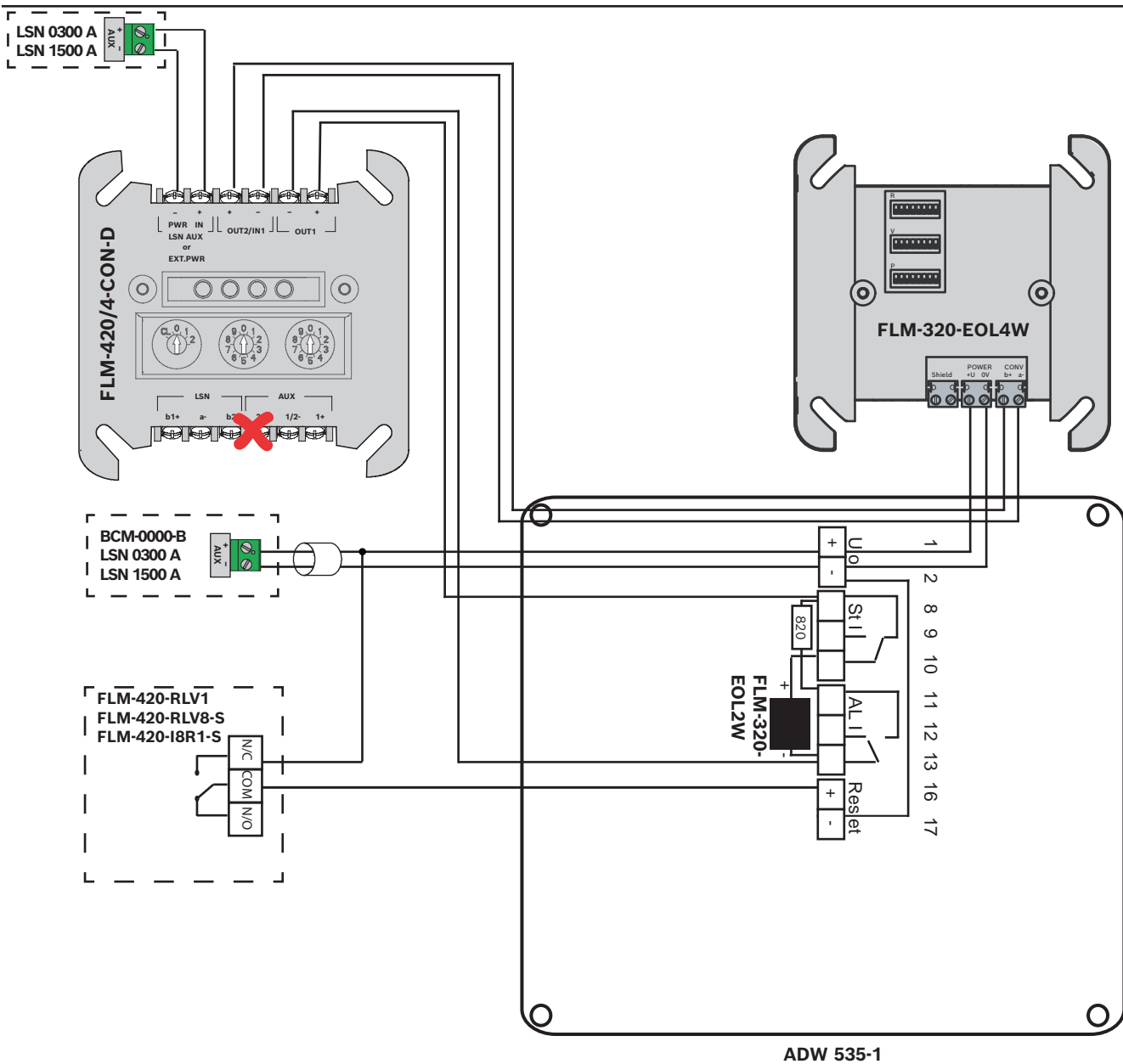
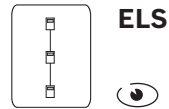
**FDOOT271-O**  
**FDM275-O**  
**FDM273-O**

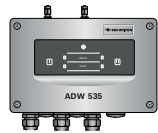


**ELS**

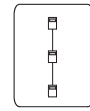


### 2.6.3 FLM-420/4-CON-S/D

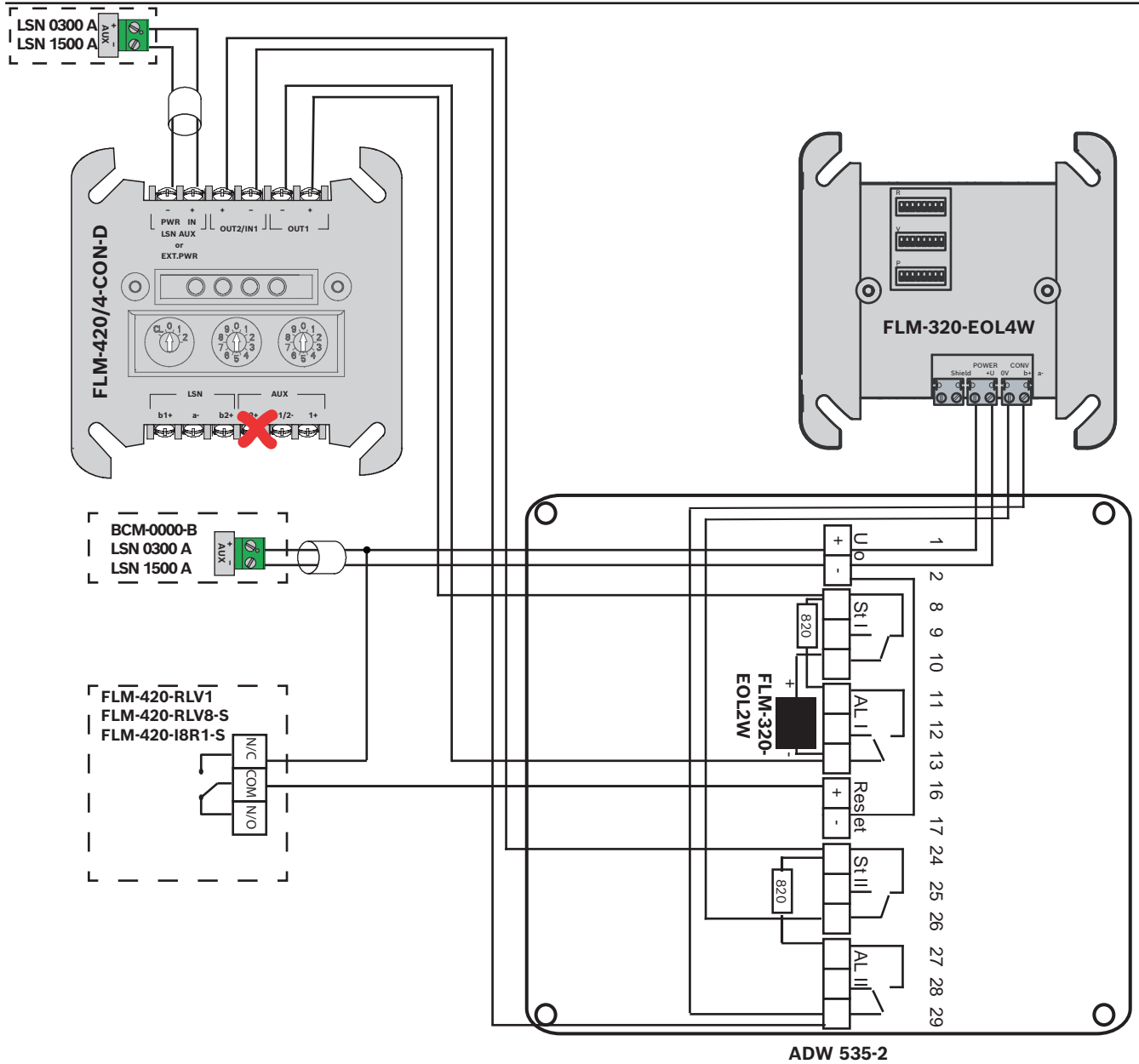


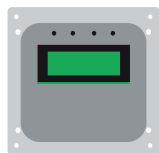


ADW 535-2



ELS

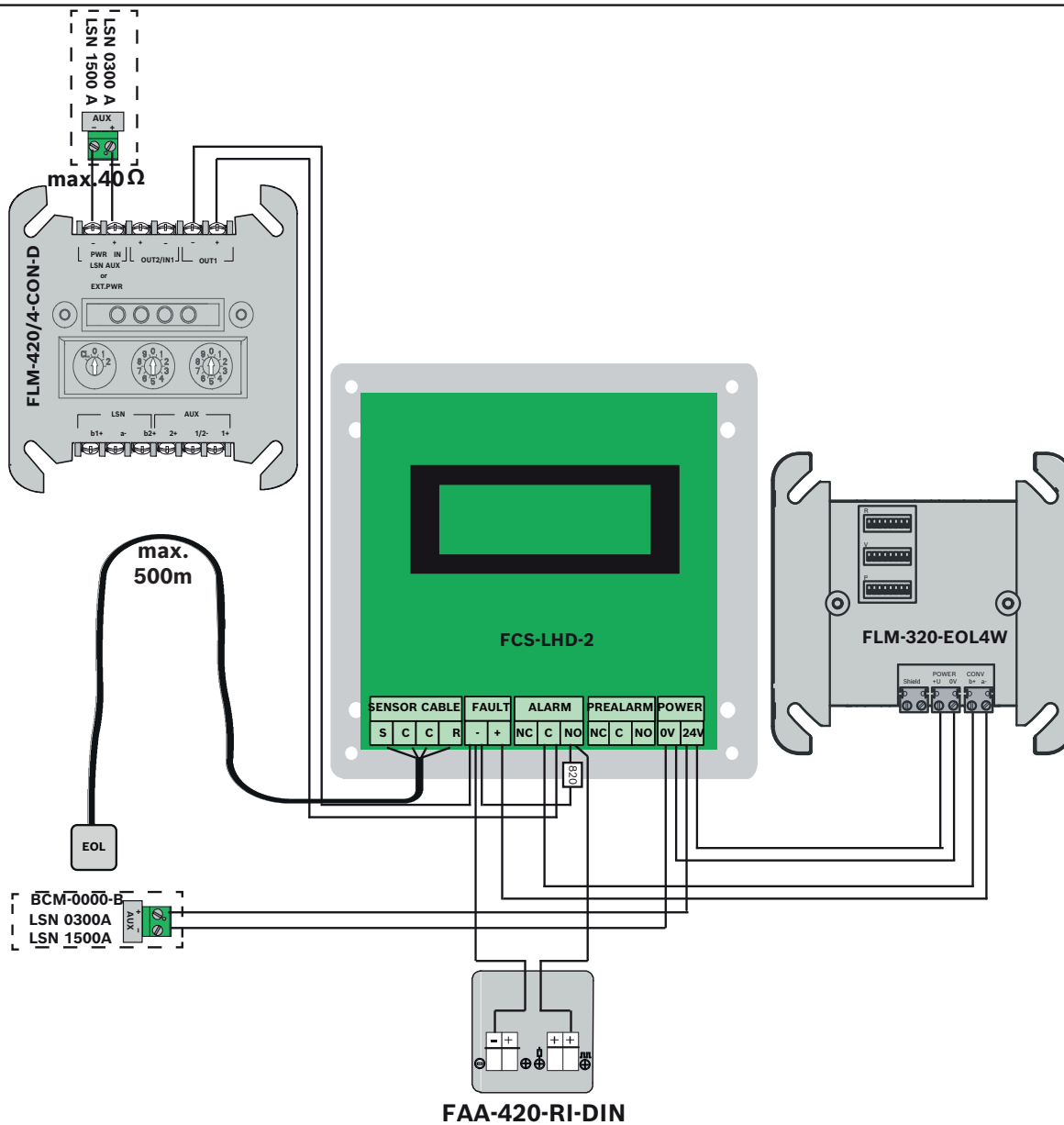




ALARMLINE II



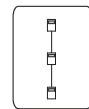
ELS



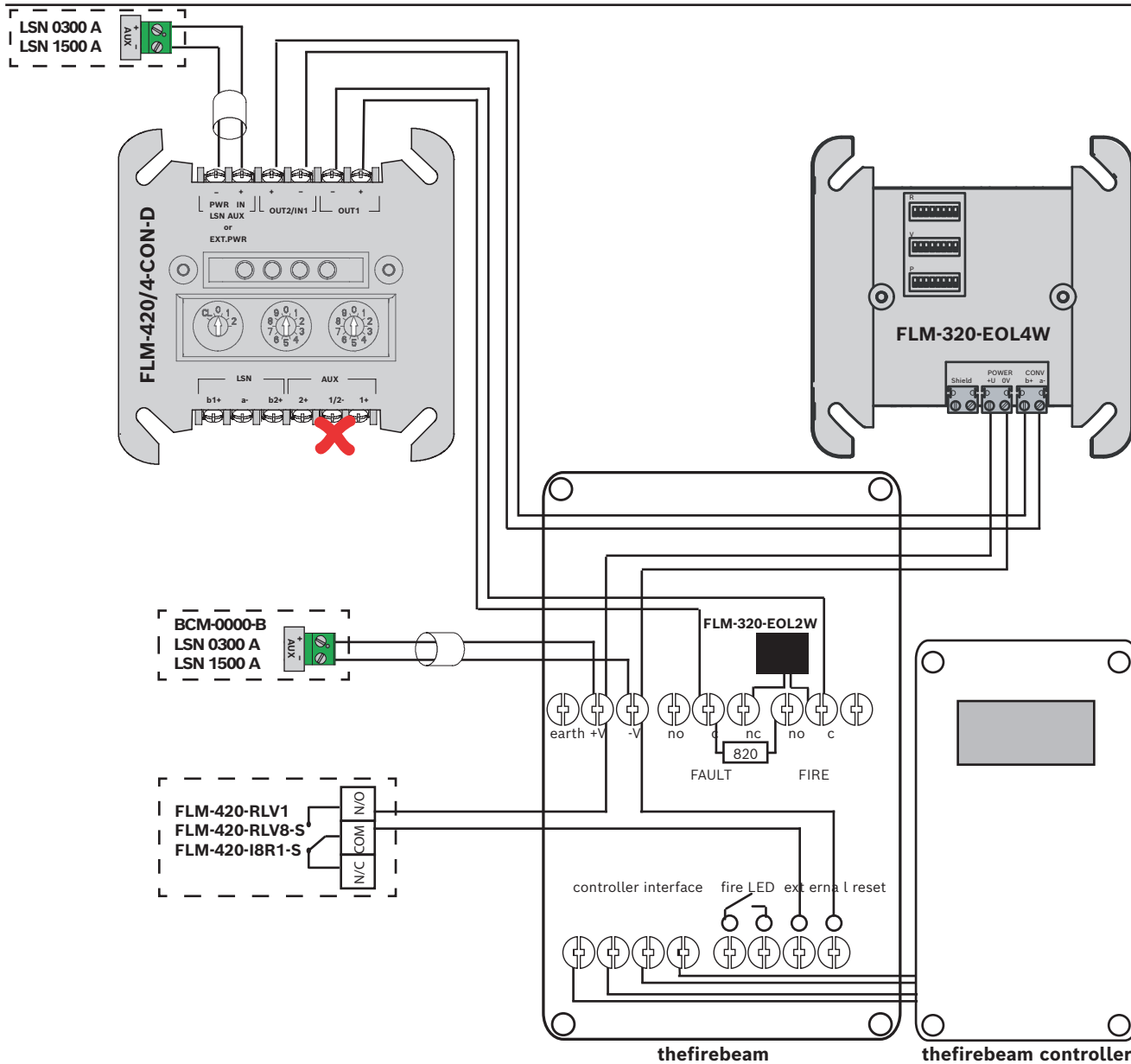


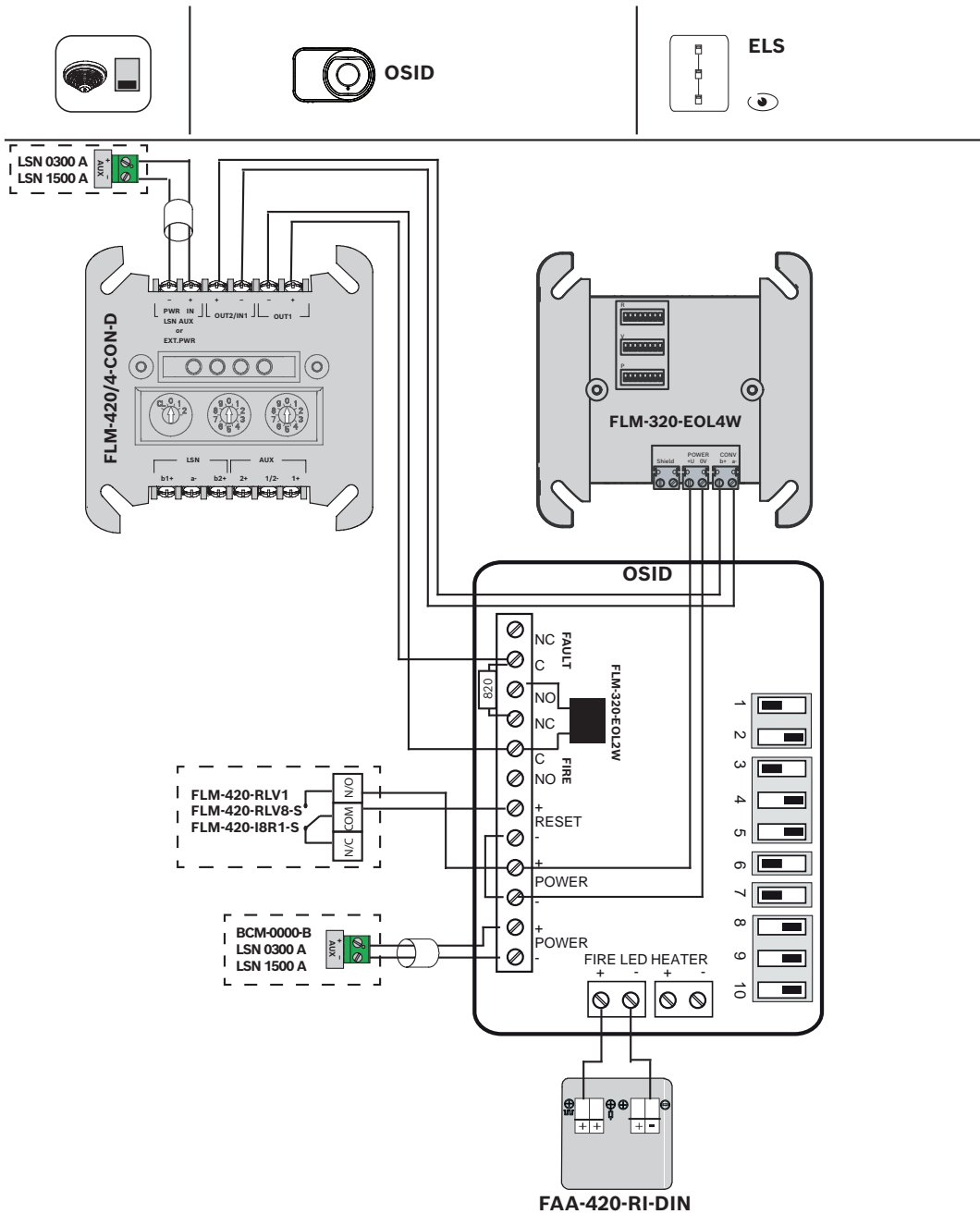


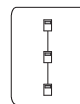
thefirebeam nano  
thefirebeam standard  
thefirebeam foveo



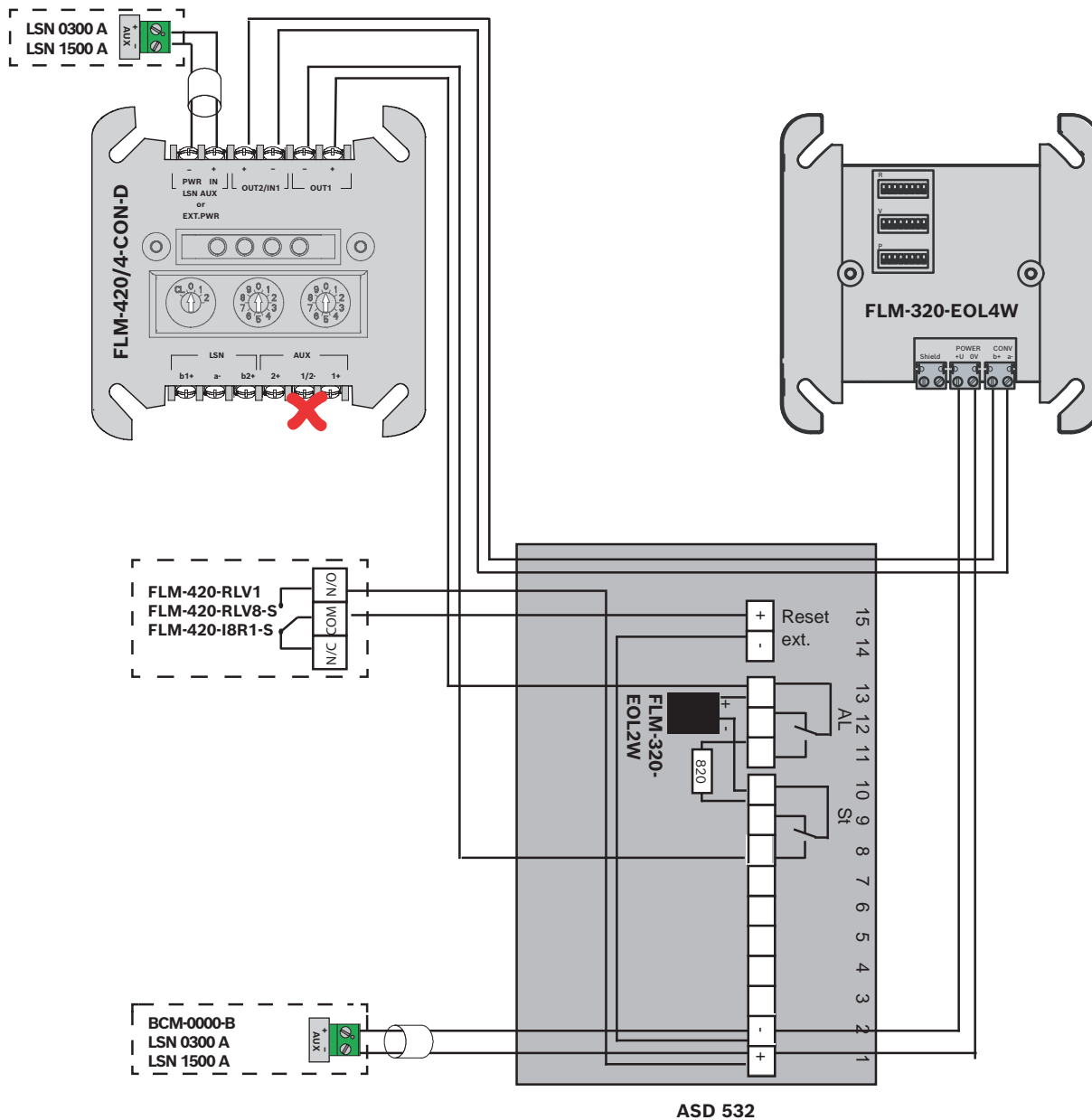
ELS

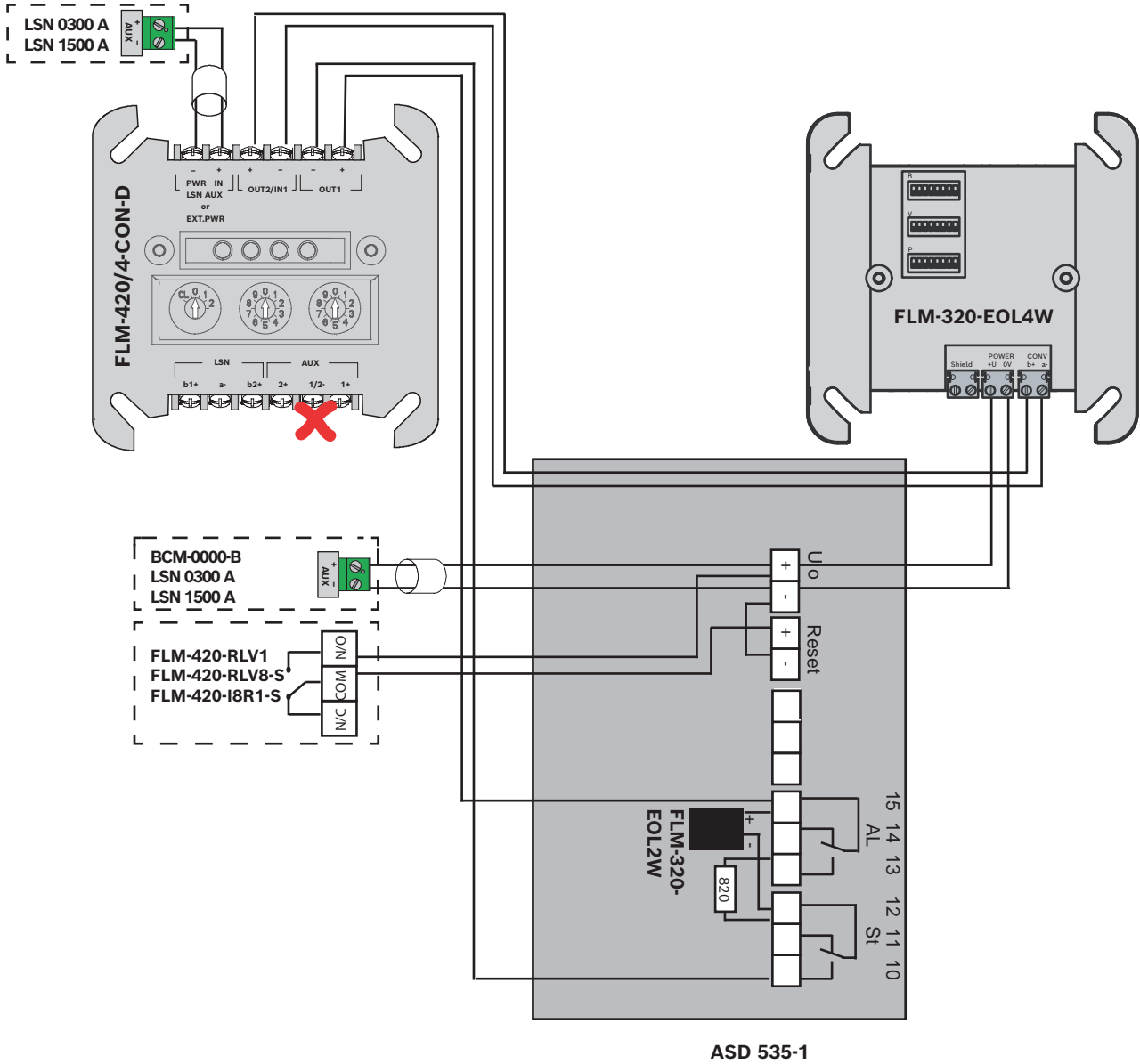
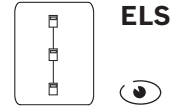


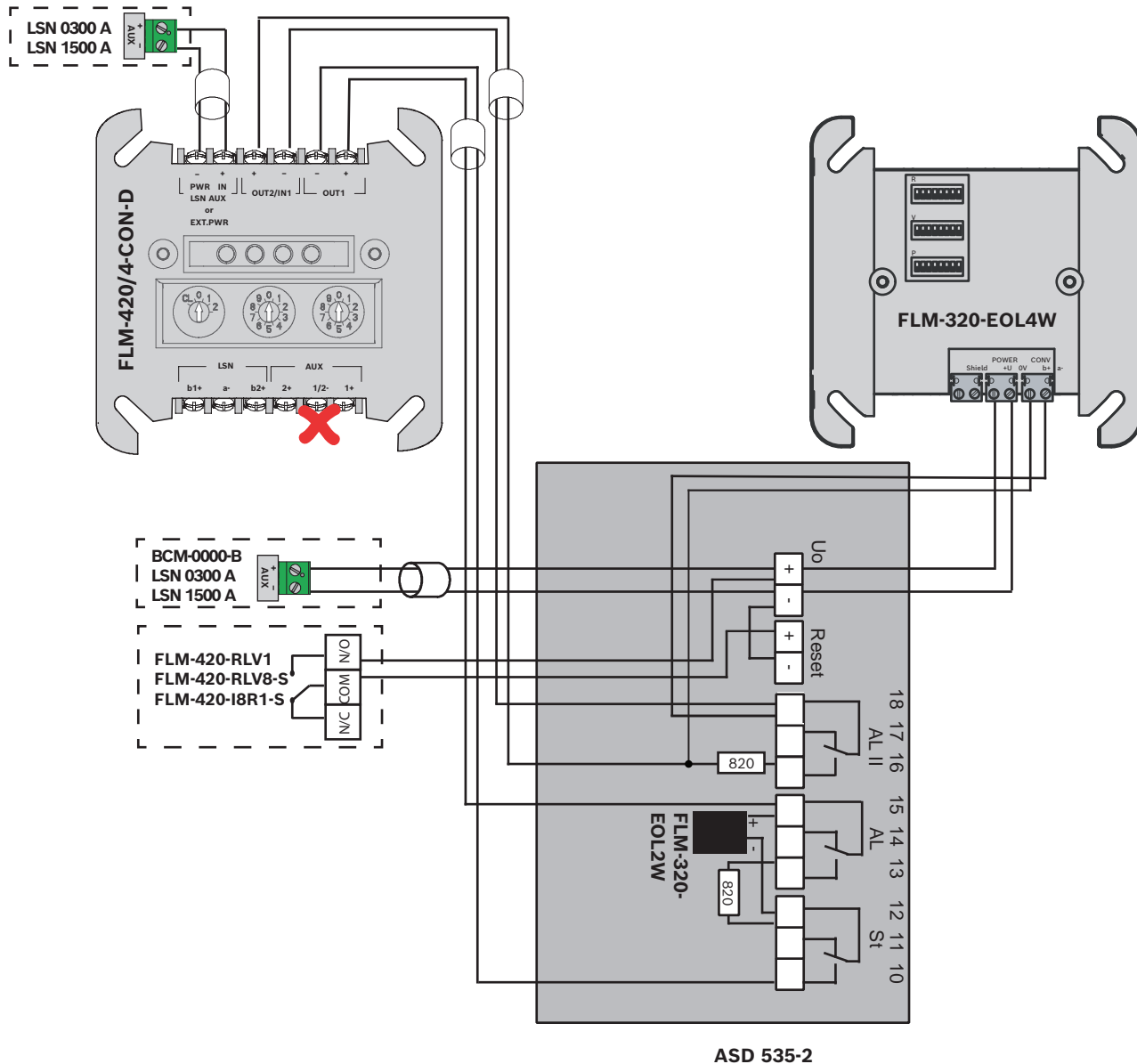
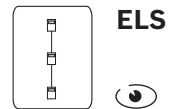
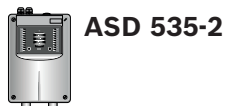


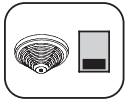


ELS

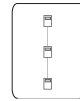






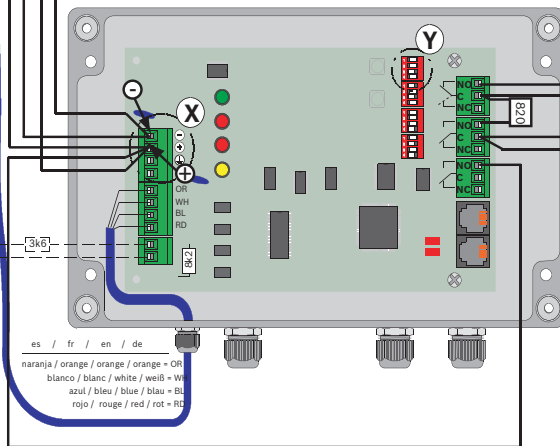
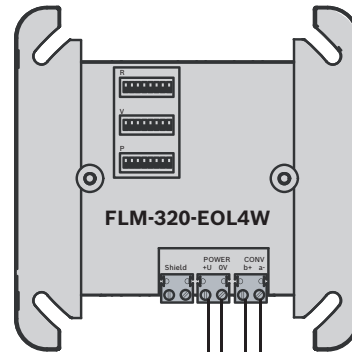
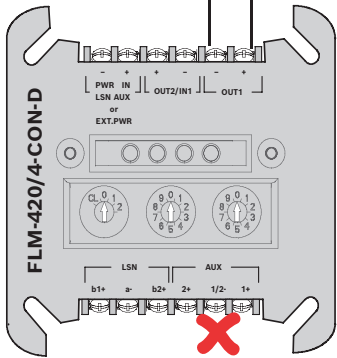


FCS-LWM-1



ELS

BCM-0000-B  
LSN 0300 A  
LSN 1500 A

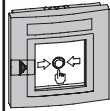
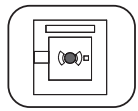


Ext. Reset  
Max. 500 m

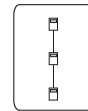
Max. 300m

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

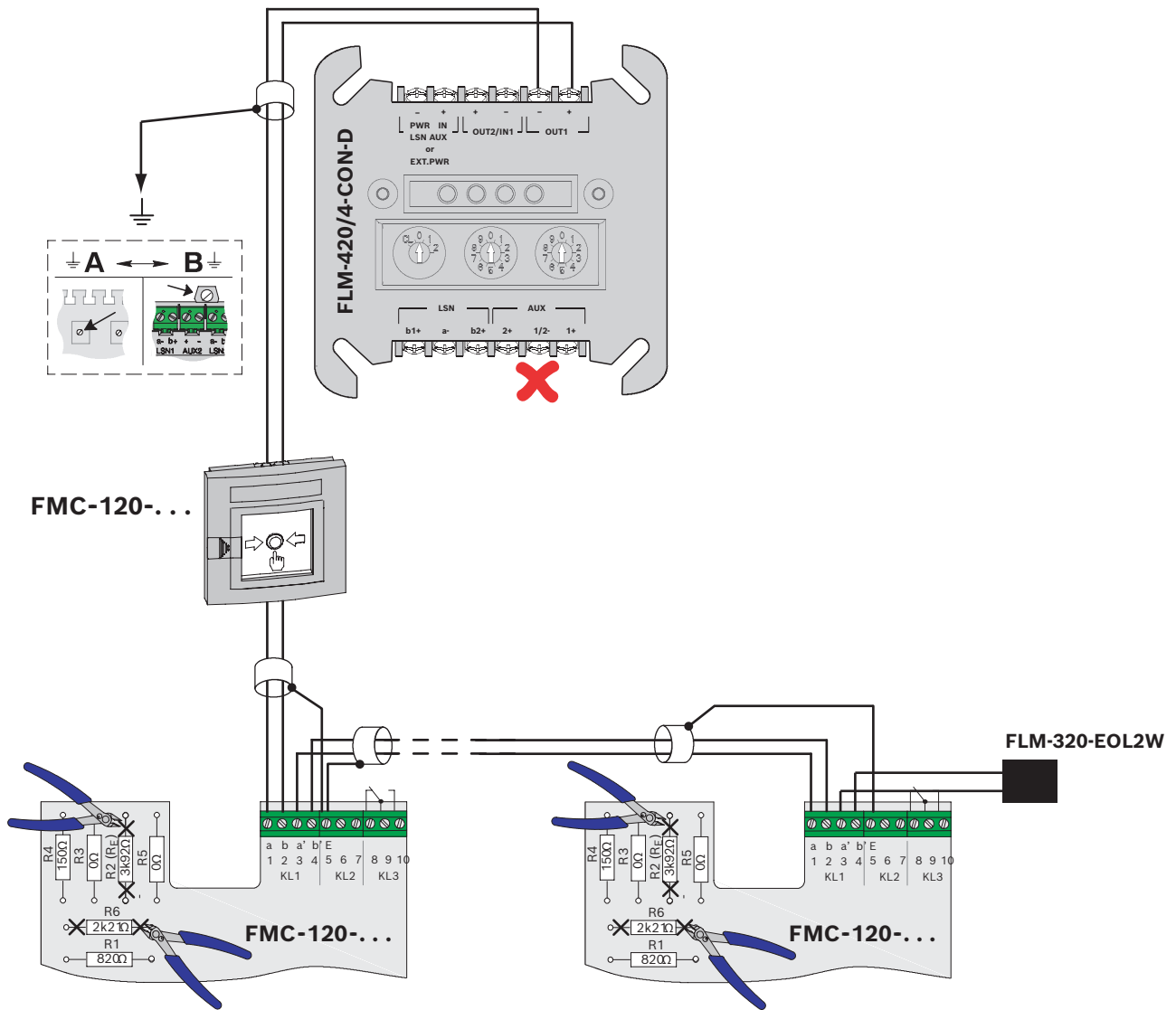




FMC-120-DKM-G-R FMC-120-DKM-G-Y  
 FMC-120-DKM-H-R FMC-120-EST-G-B  
 FMC-120-DKM-G-B  
 FMC-120-DKM-H-B

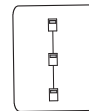


ELS

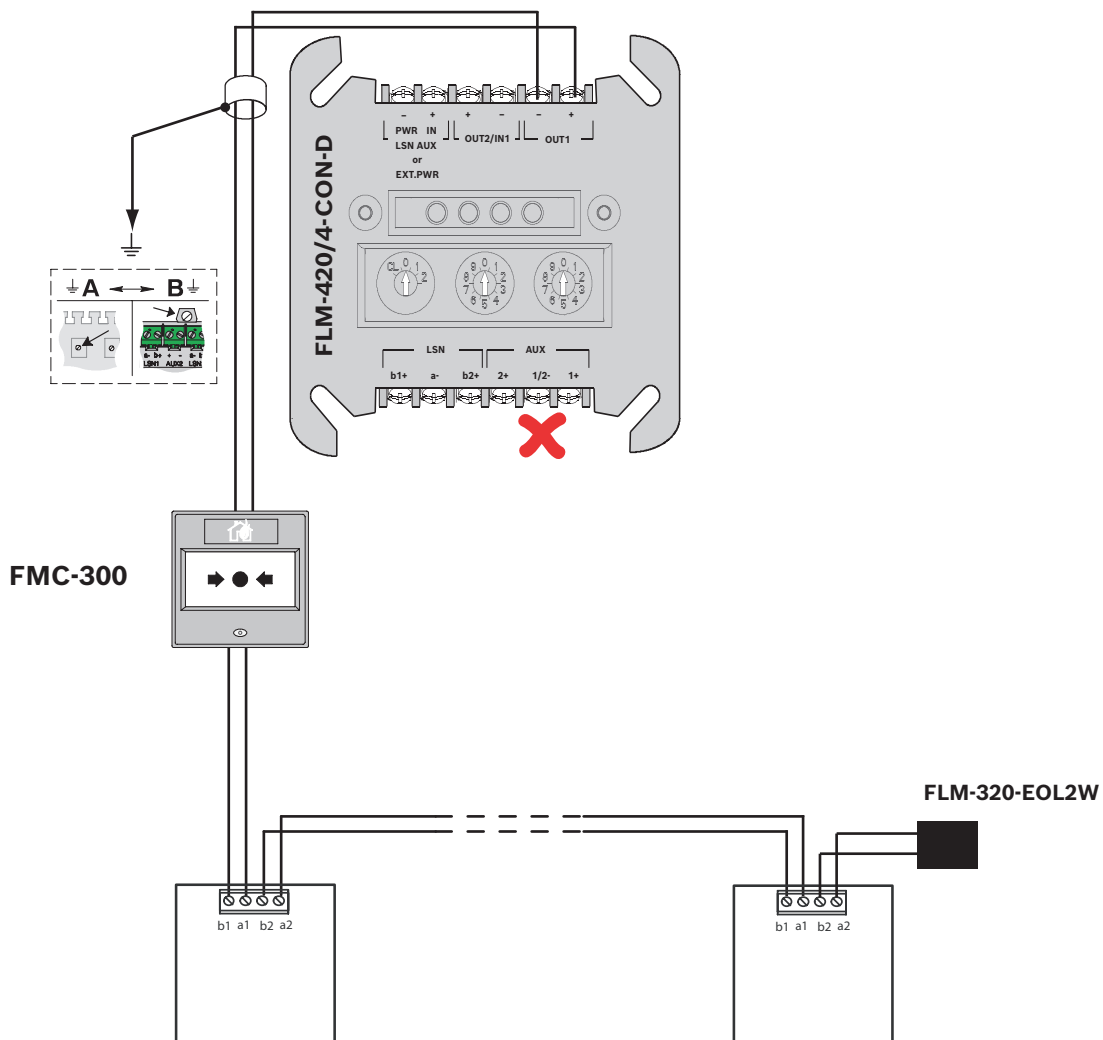




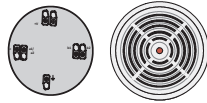
**FMC-300**



**ELS**



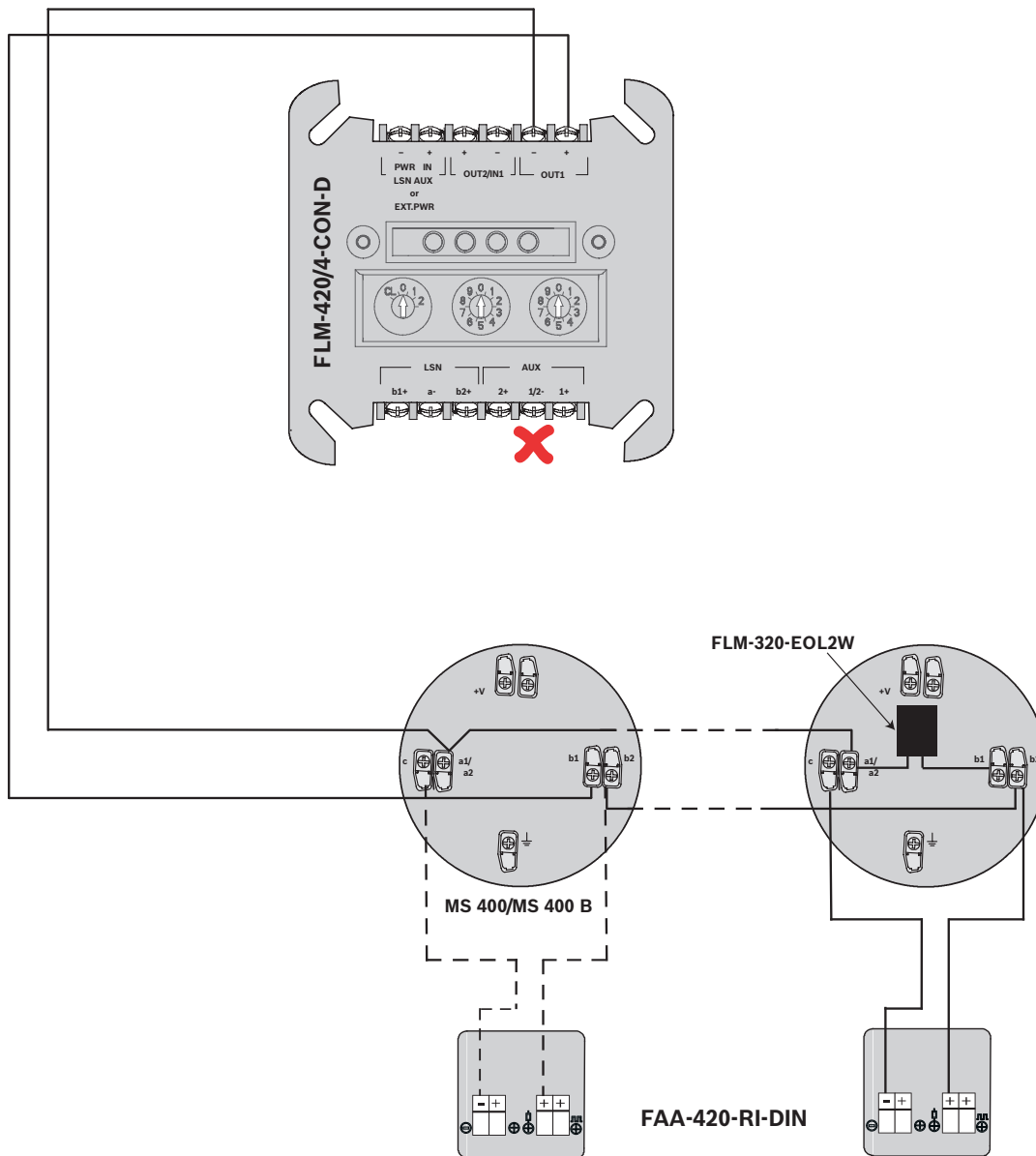




MSS 400, MSS 400 B  
 FCH-320-T320  
 FCH-T320-R470, FCH-T320-FSA  
 FCP-O320, FCP-O320-R470  
 FCP-OC320, FCP-OC320-R470  
 FCP-OT320, FCP-OT320-R470



ELS

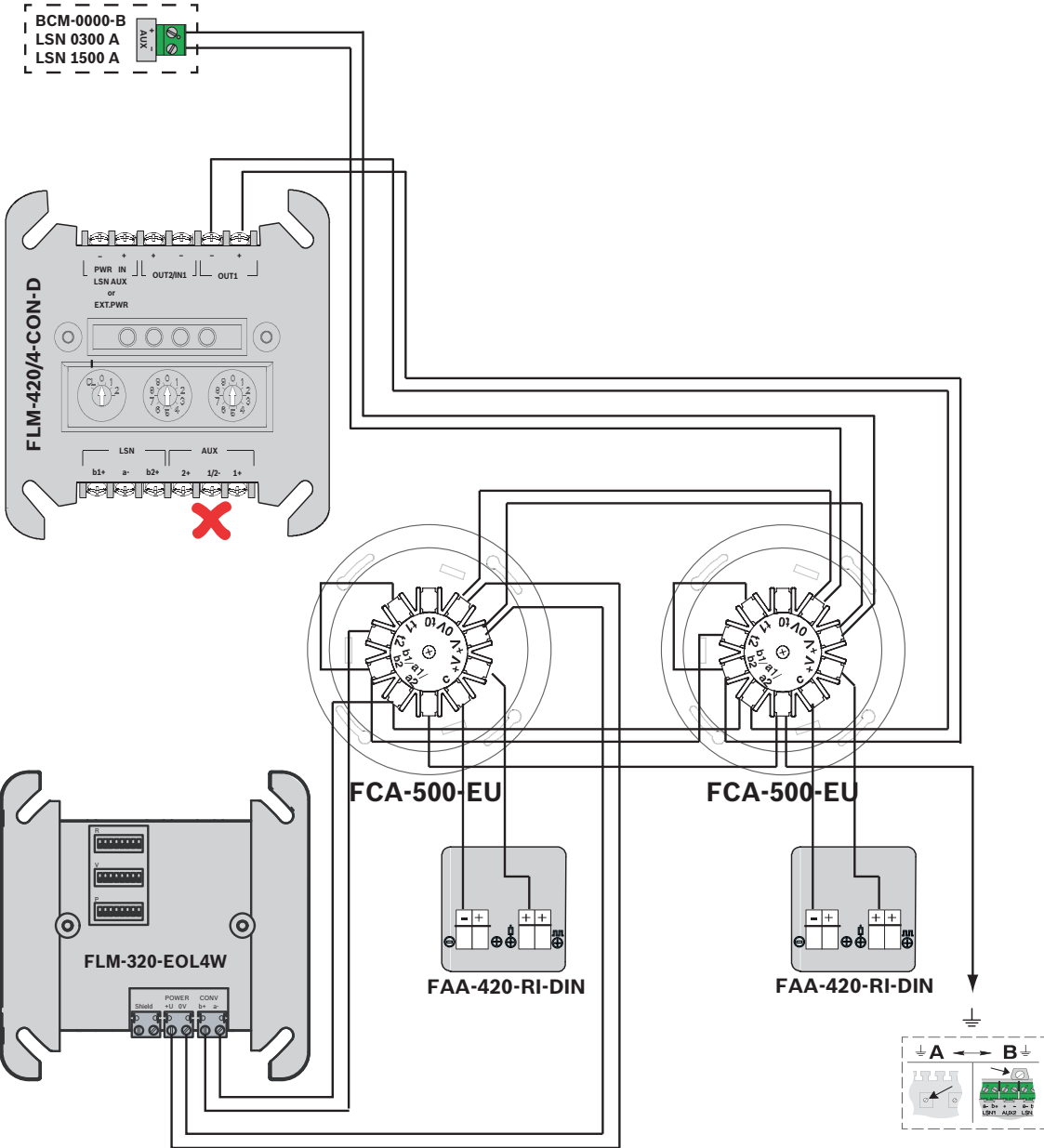


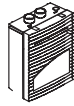


FCP-500

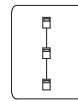


ELS

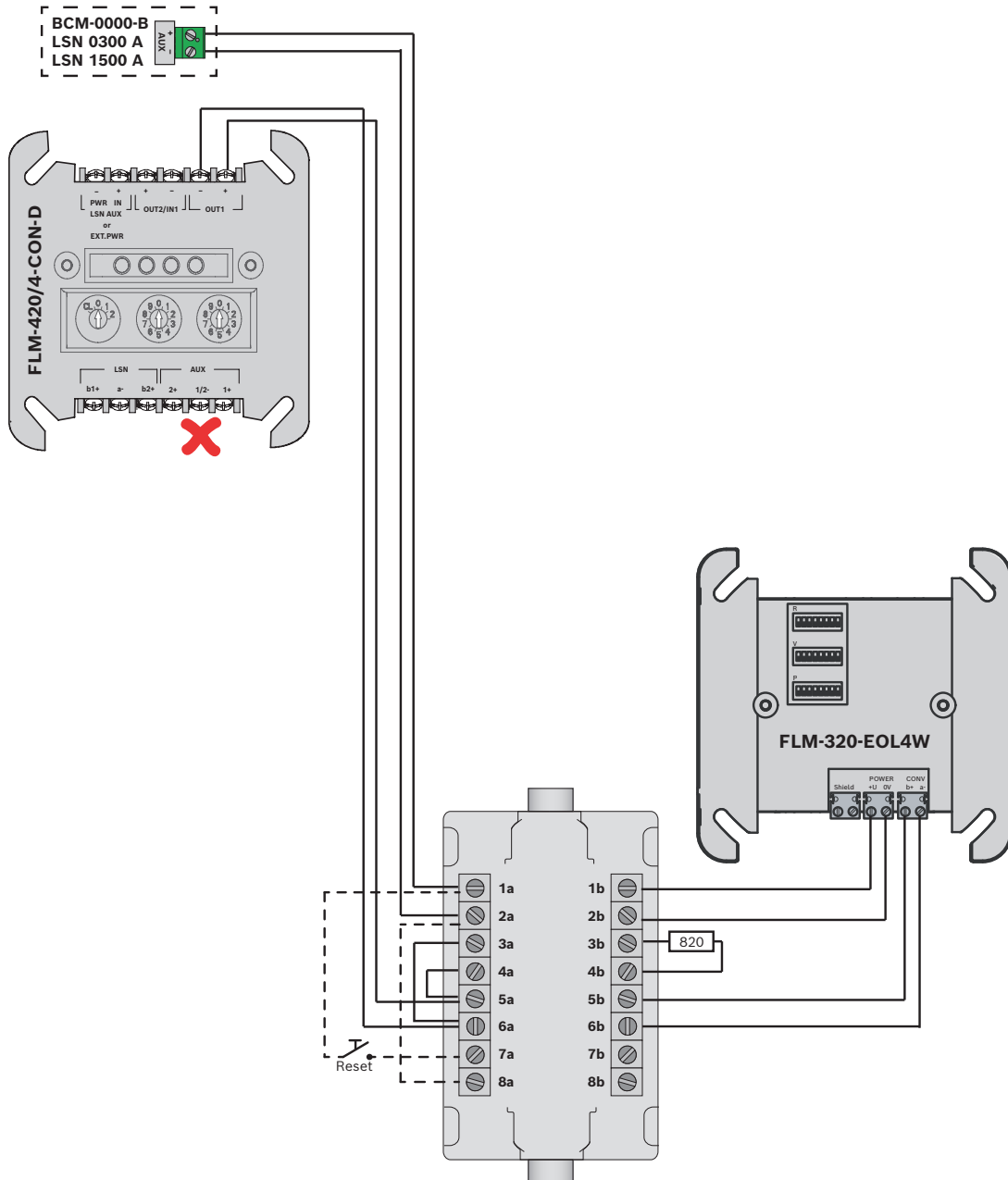


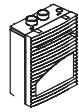


FCS-320-TM Series

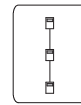


ELS



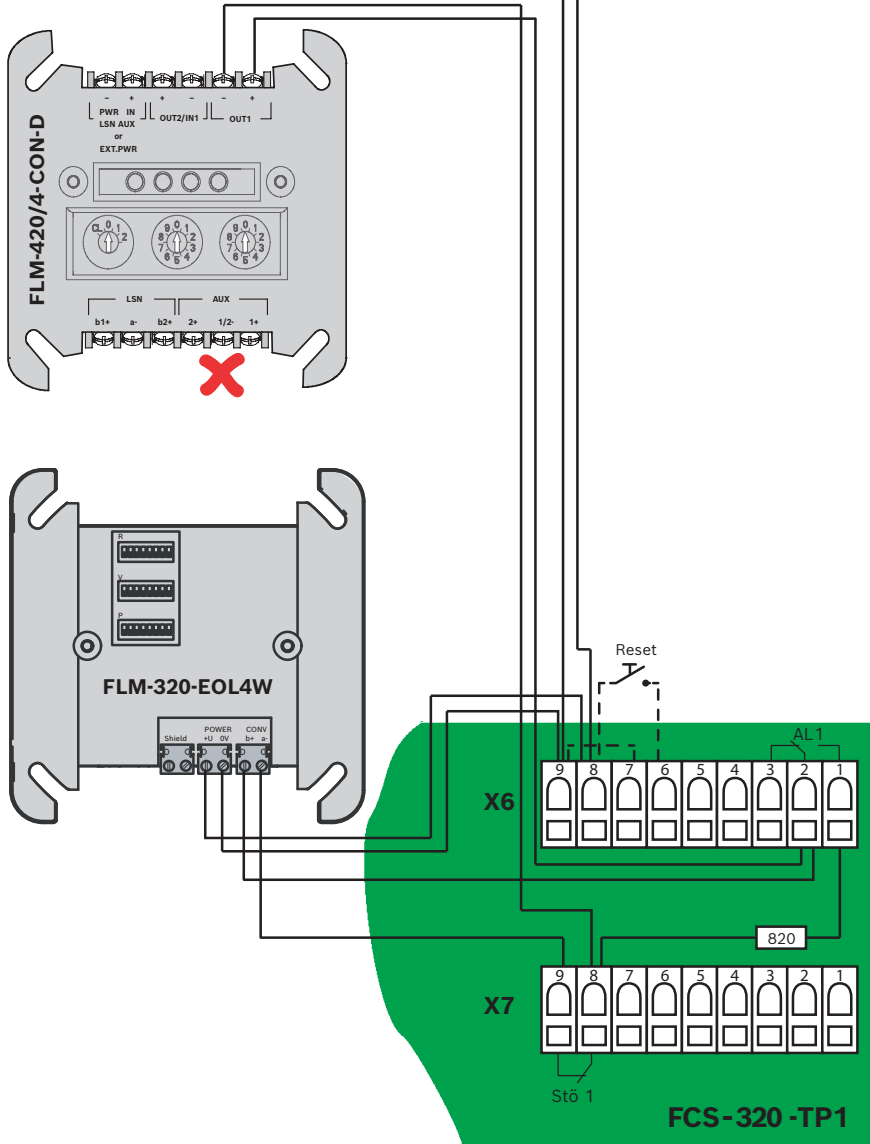


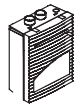
FCS-320-TP Series



ELS

BCM-0000-B  
LSN 0300 A  
LSN 1500 A



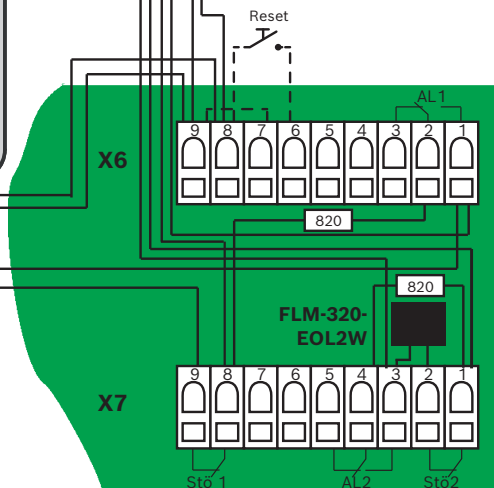
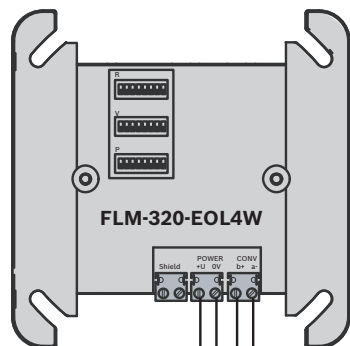
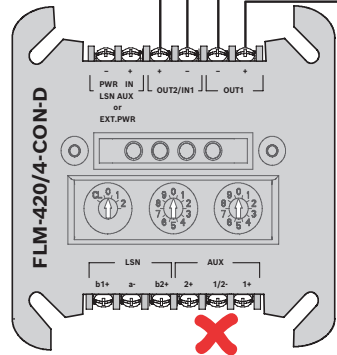


**FCS-320-TP Series**

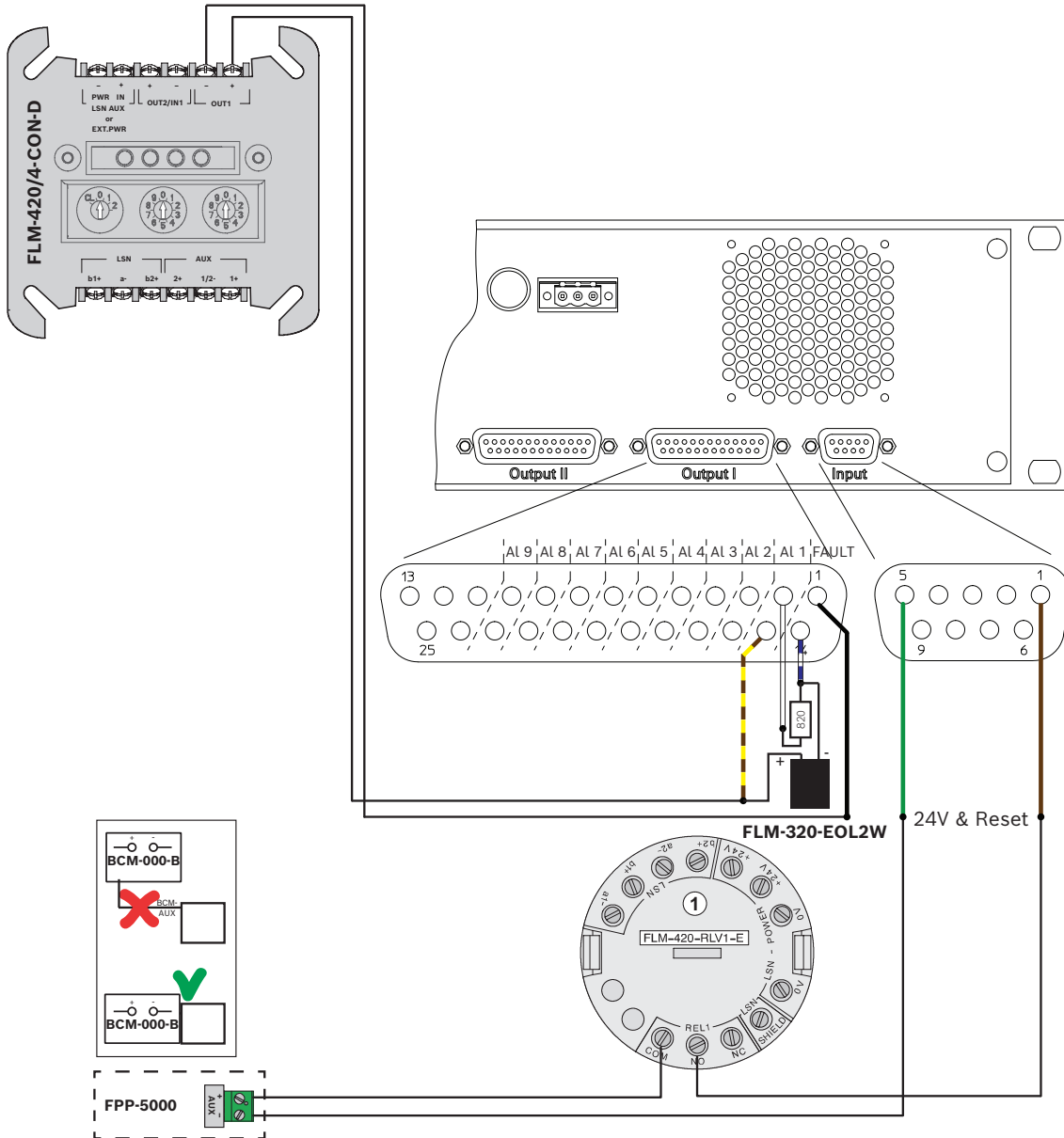
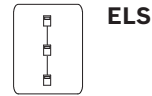


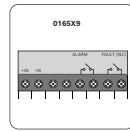
**ELS**

BCM-0000-B  
LSN 0300 A  
LSN 1500 A

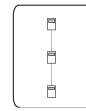


**FCS-320-TP2**

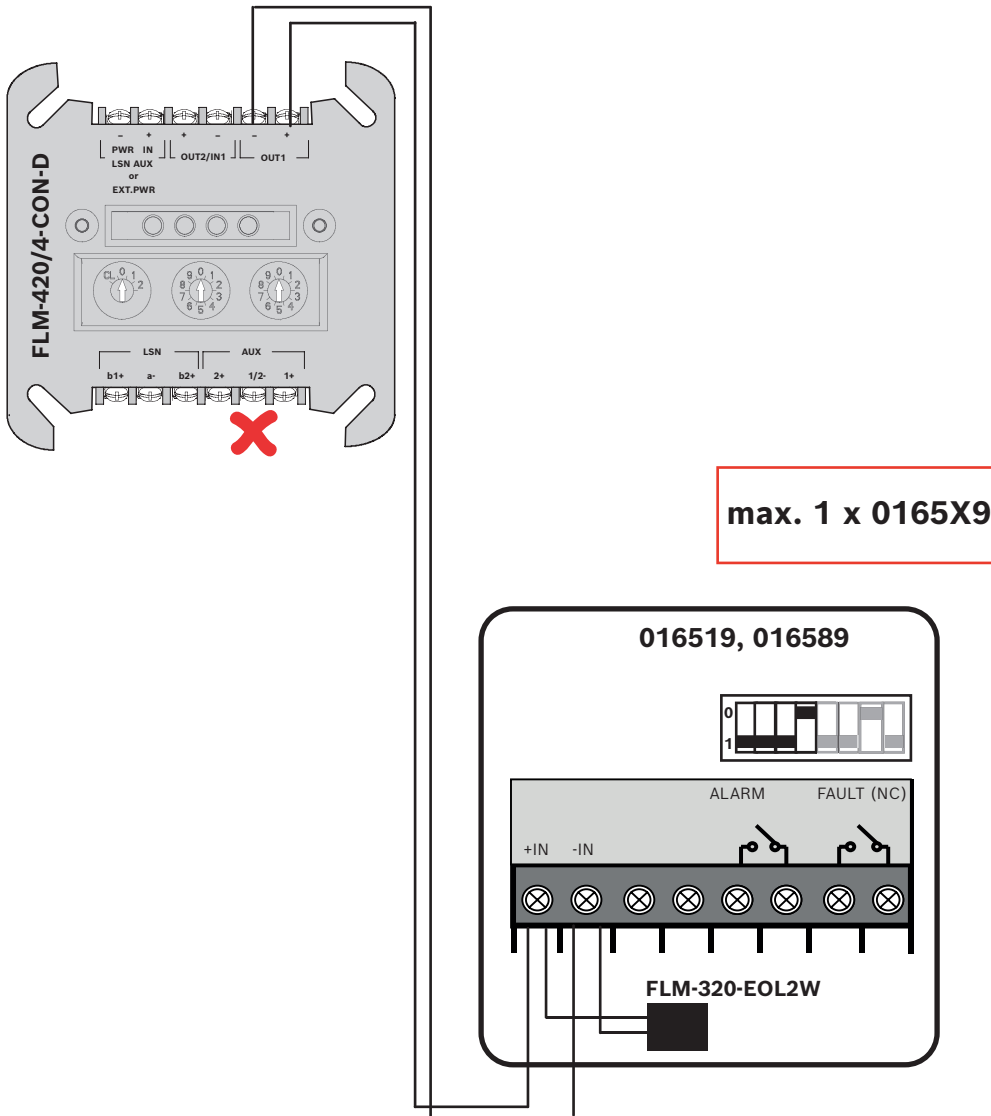


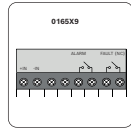


**016519, 016589**  
**IR3 Flame Detector**

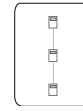


**ELS**

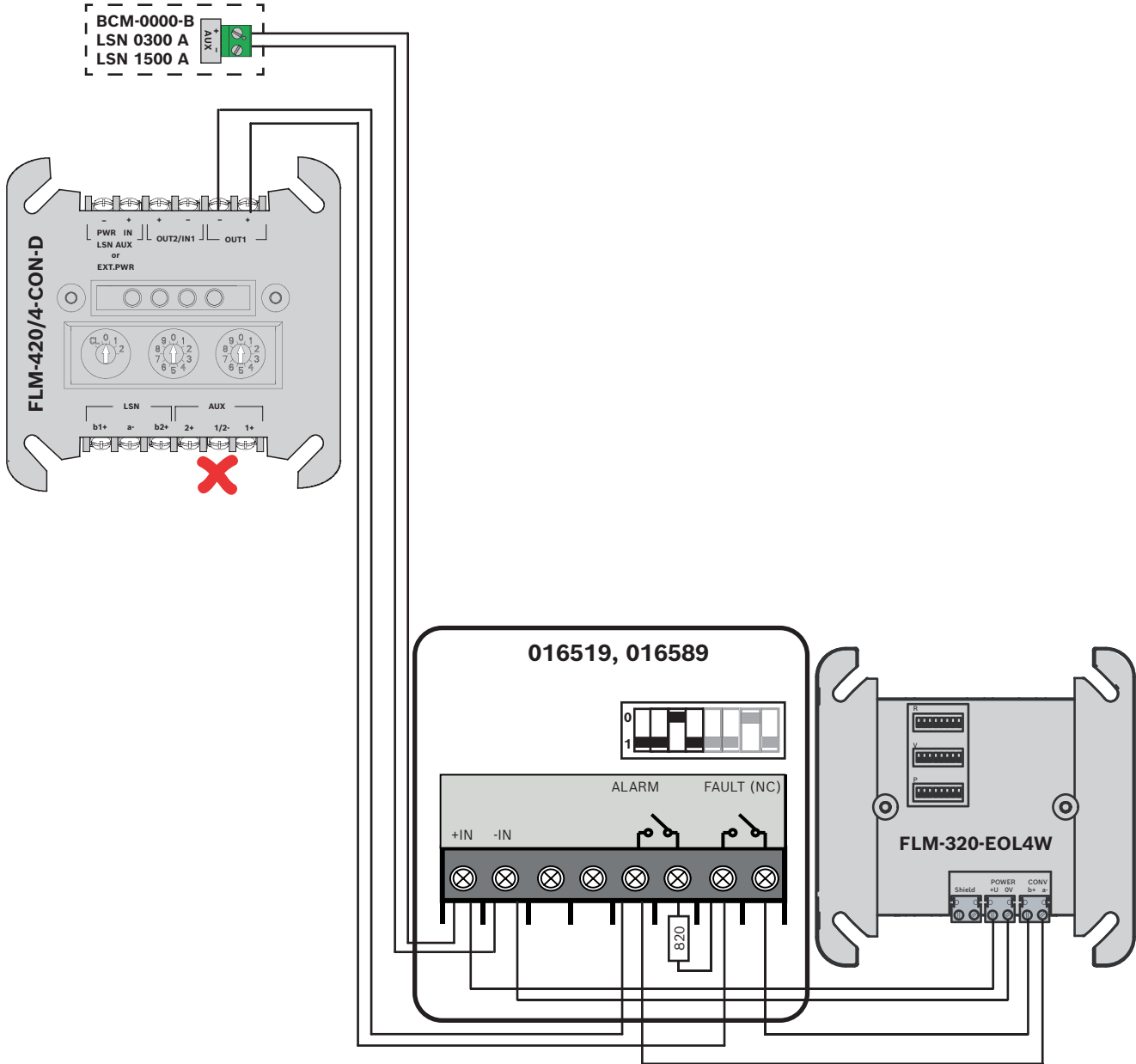




016519, 016589  
IR3 Flame Detector



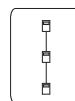
ELS



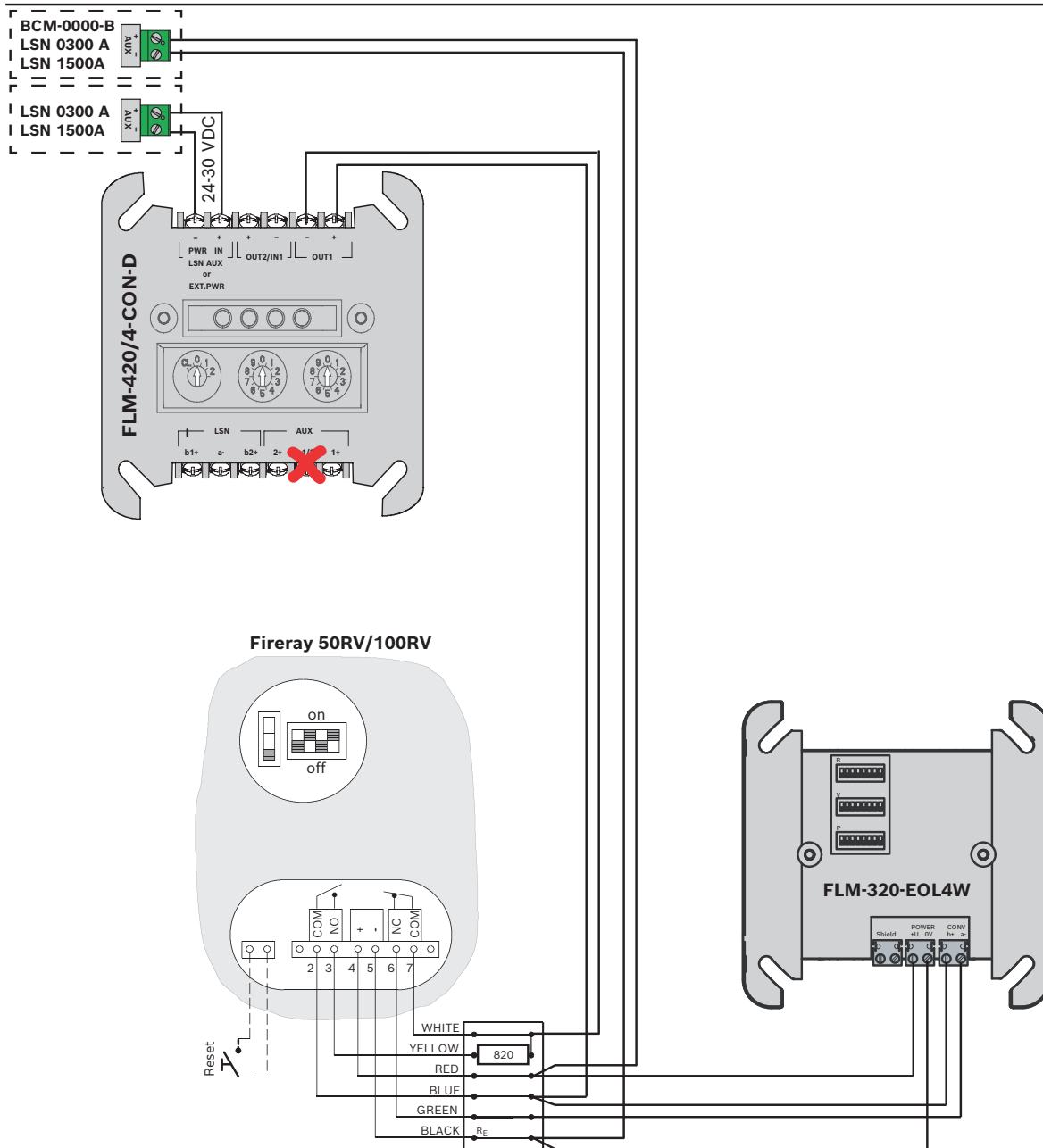




**Fireray 50RV  
Fireray 100RV**



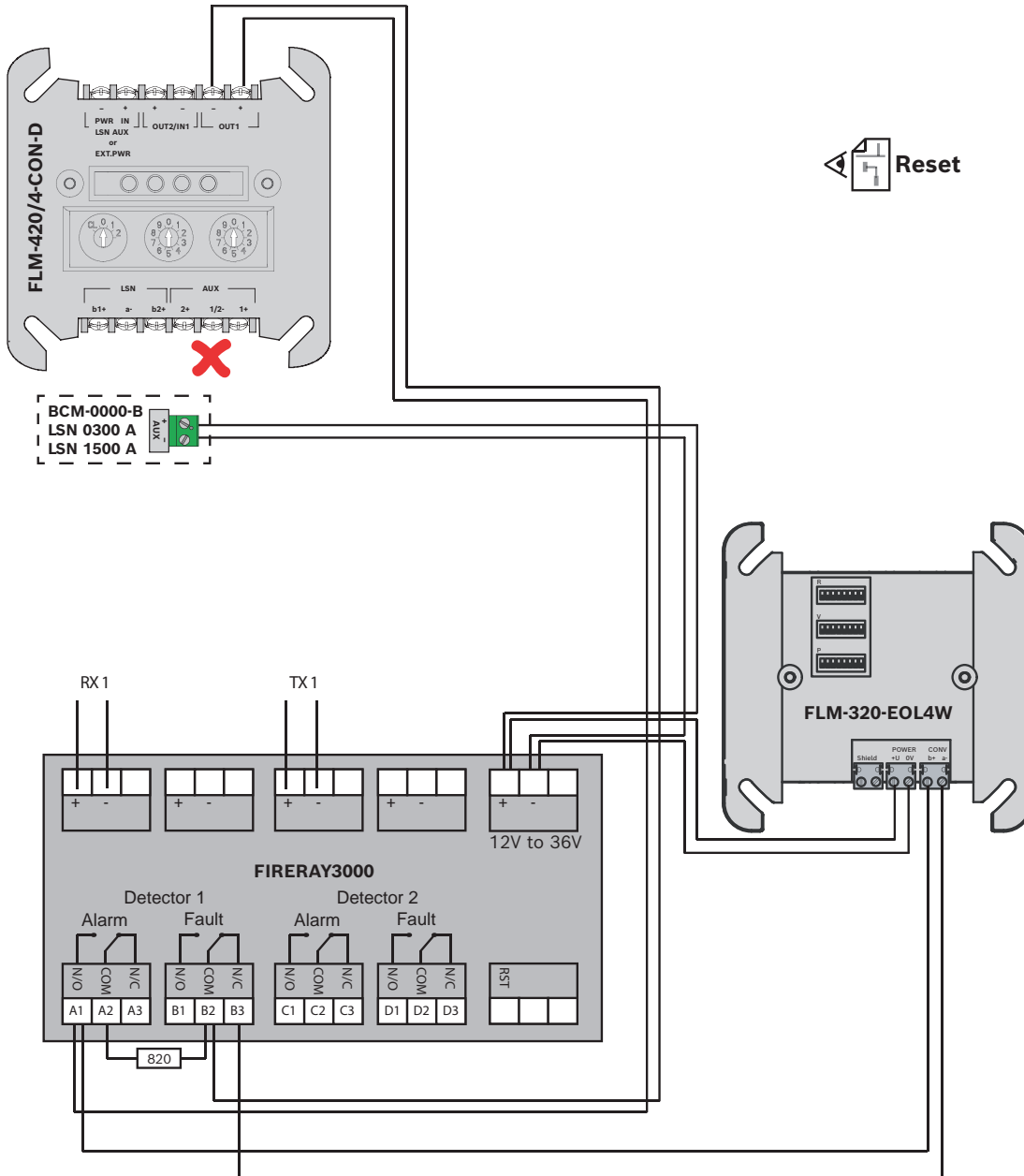
**ELS**





**FIRERAY3000**

1 x

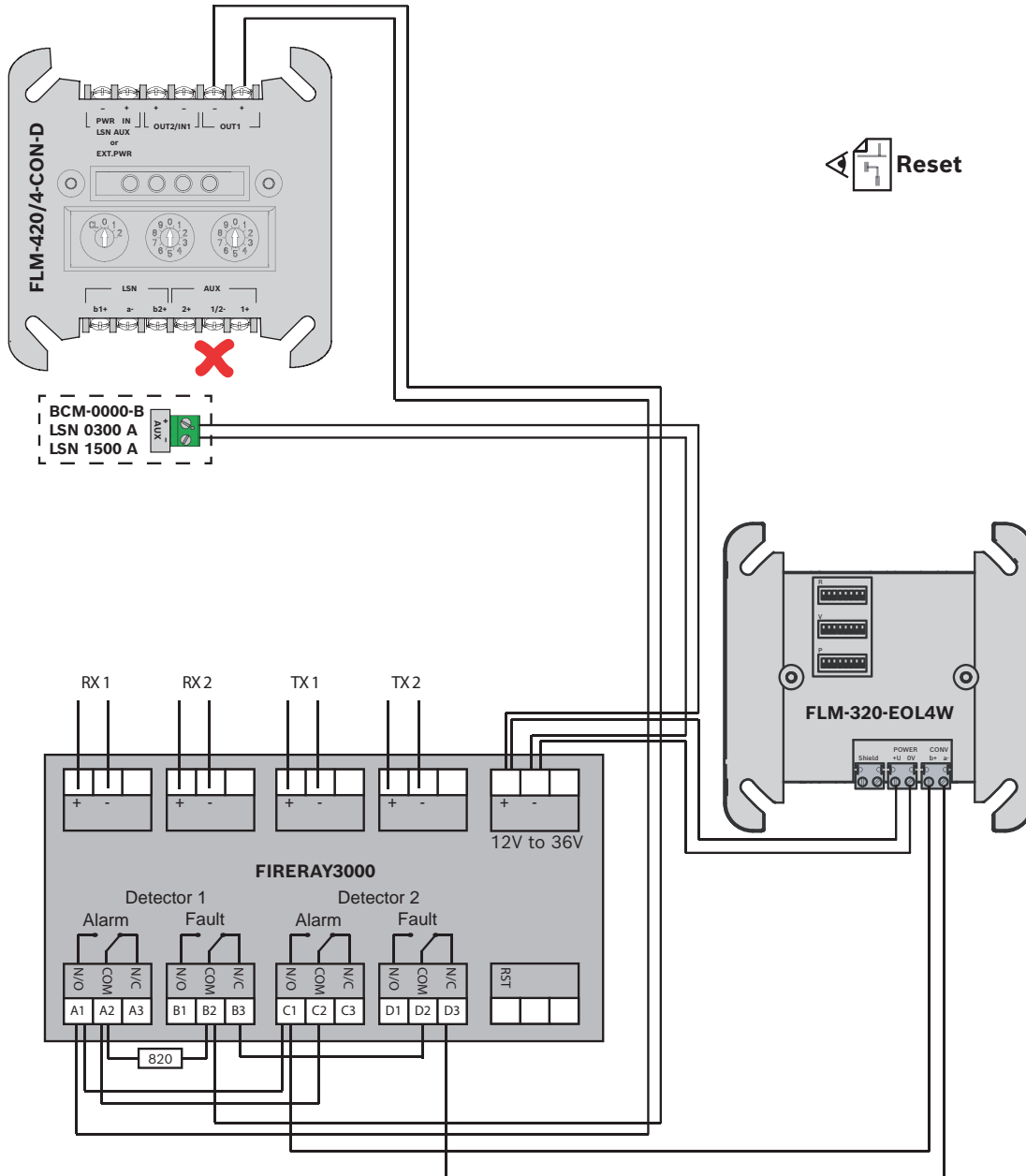




**FIRERAY3000**  
2 x **OUT1**



**ELS**

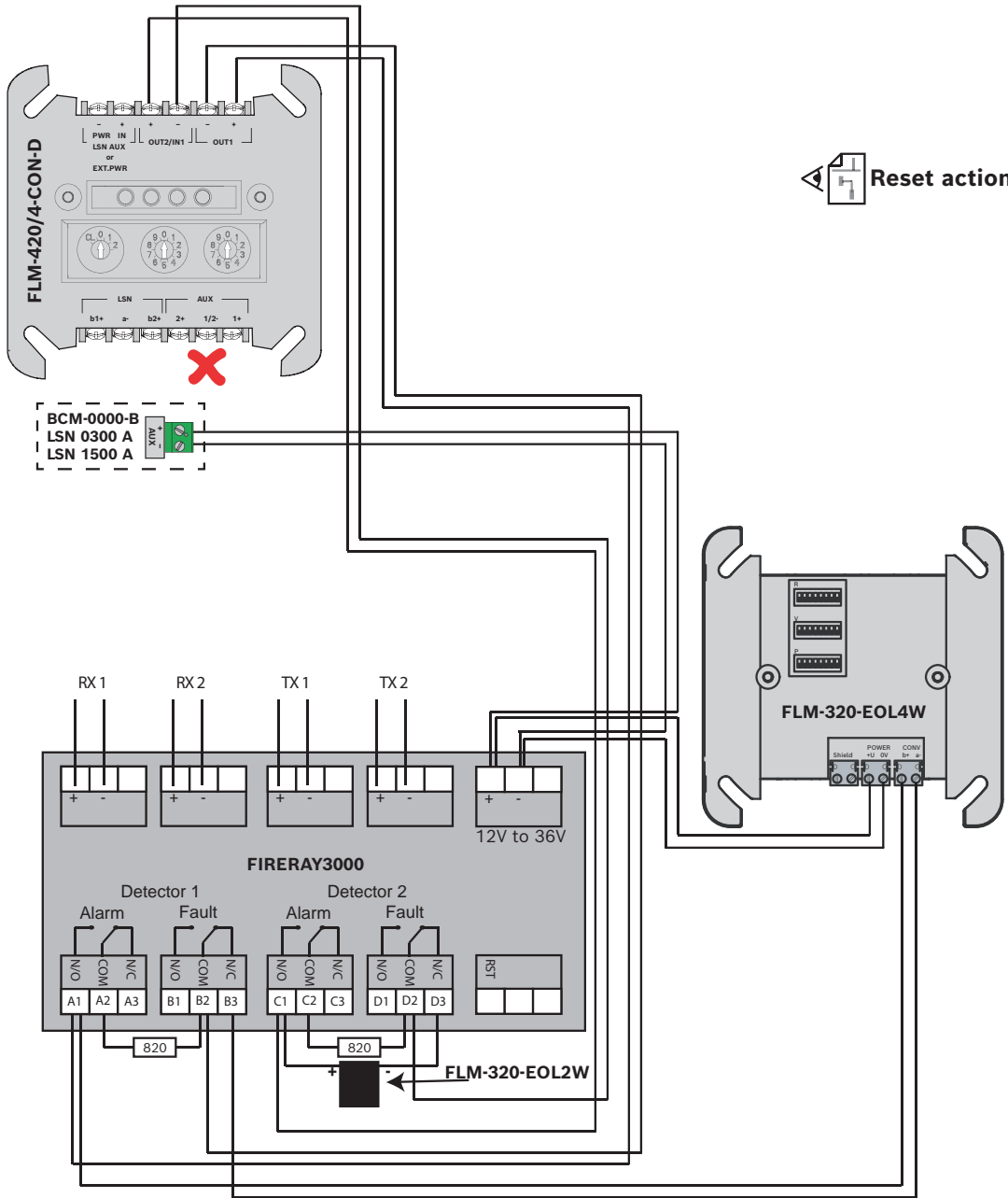




**FIRERAY3000**  
2 x **OUT1+2**



**ELS**



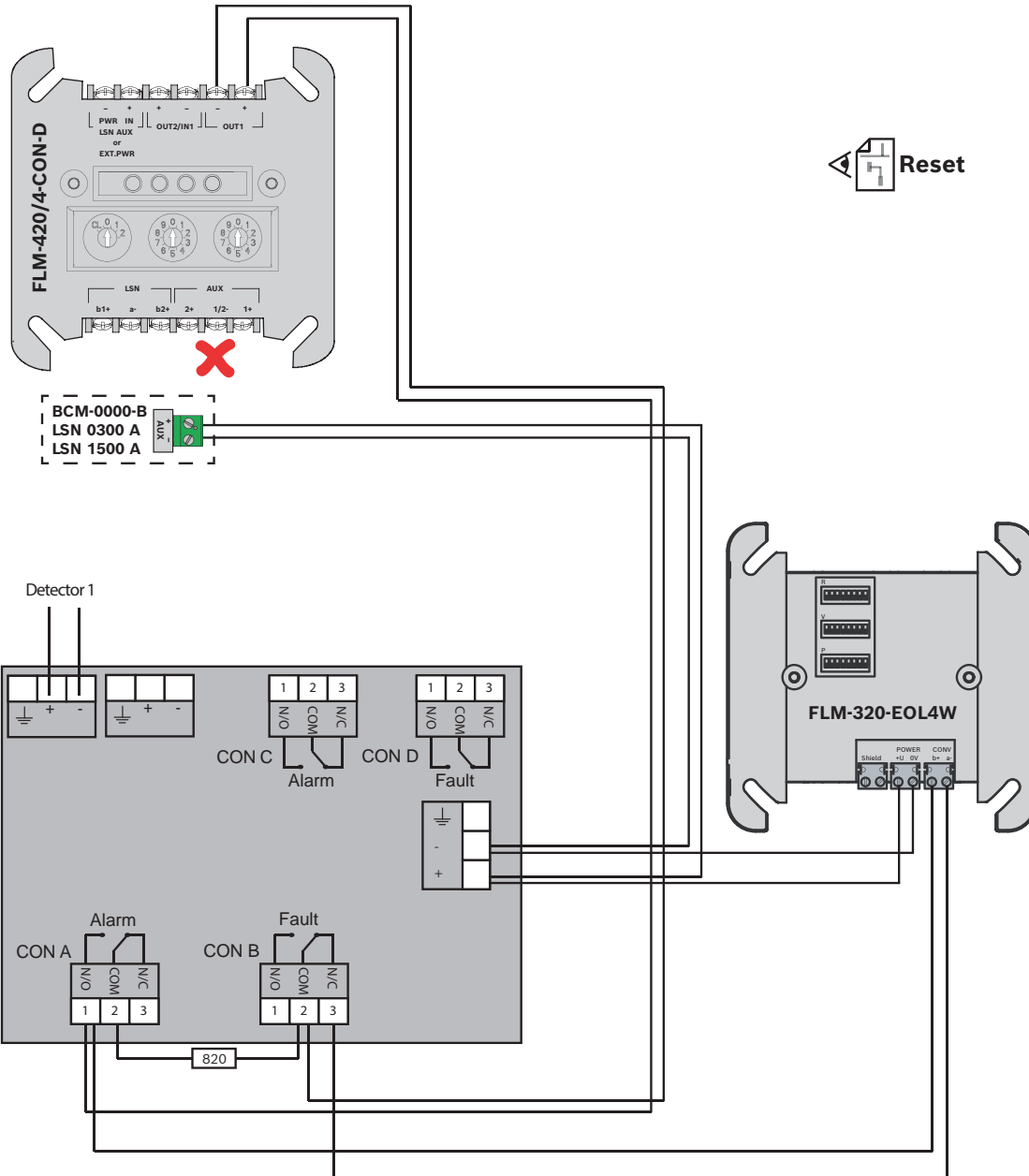


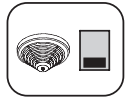
**FIRERAY5000**

1 x 



**ELS**



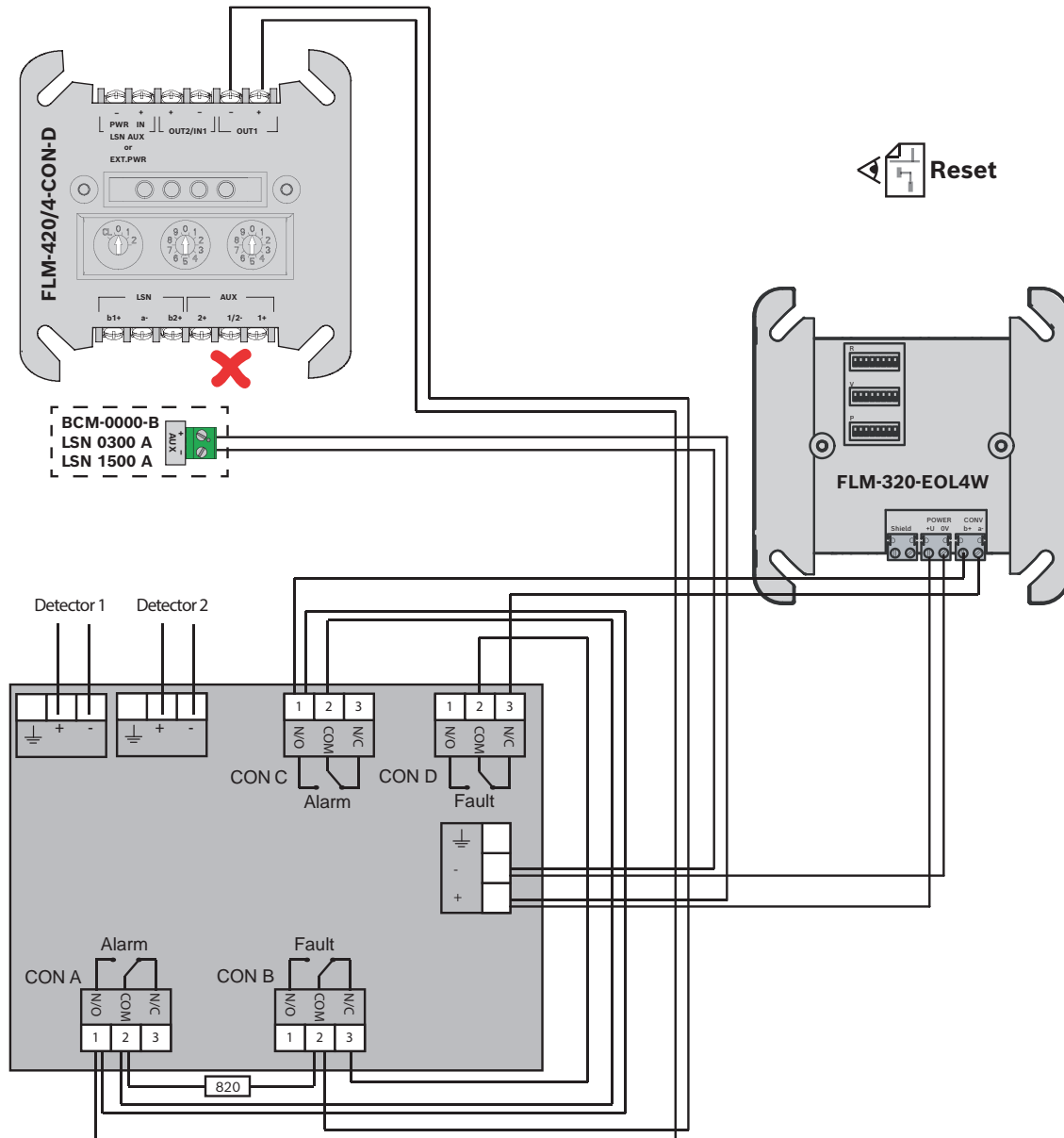


**FIRERAY5000**

**2 x OUT1**

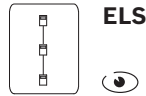


**ELS**



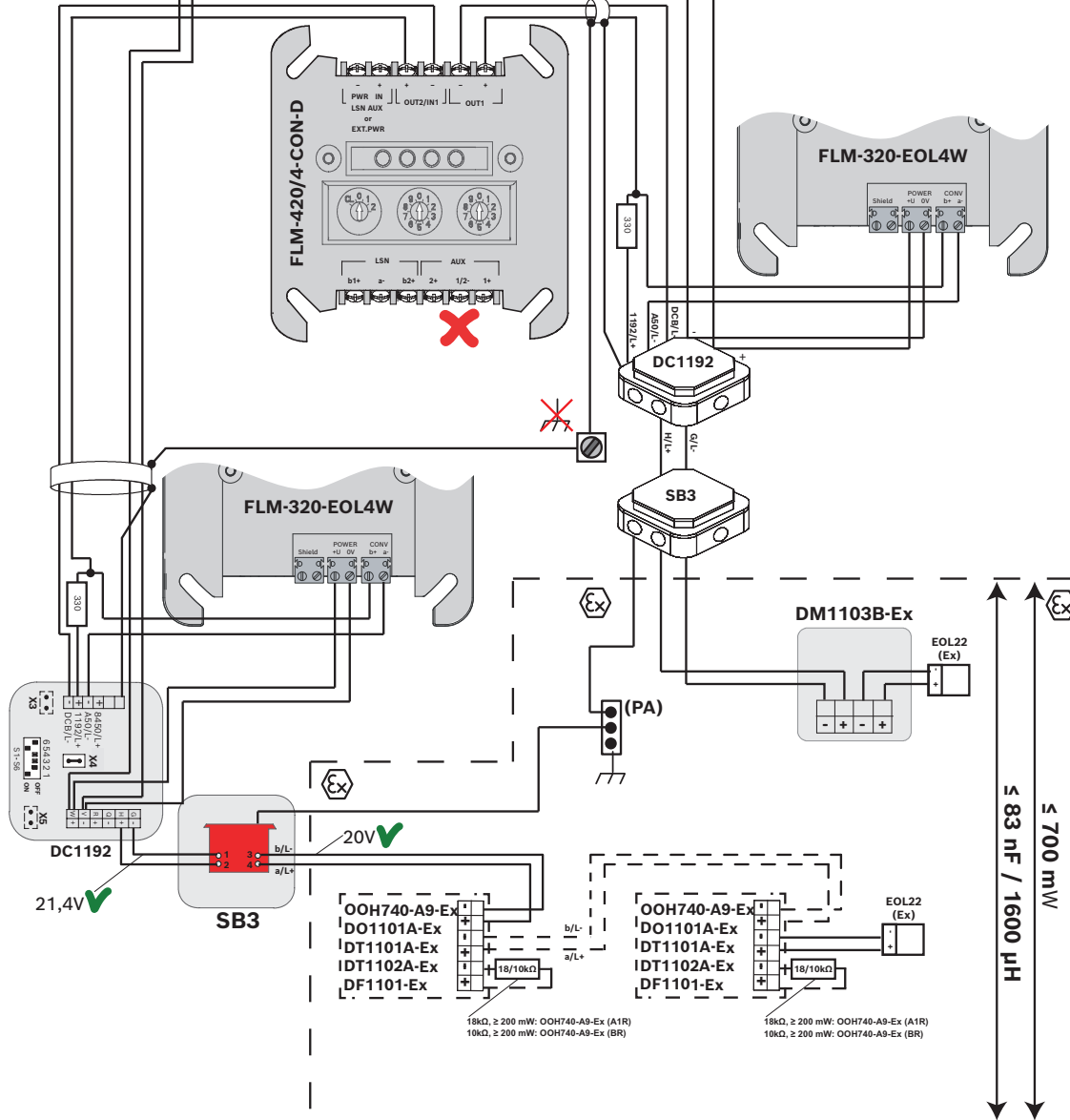


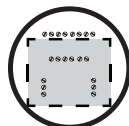
DC1192, SB3  
 OOH740-A9-Ex  
 DO1101A-Ex  
 DT1101A-Ex/DT1102A-Ex  
 DF1101-Ex  
 DM1103B-Ex



BCM-0000-B  
 LSN 0300 A  
 LSN 1500 A

BCM-0000-B  
 LSN 0300 A  
 LSN 1500 A

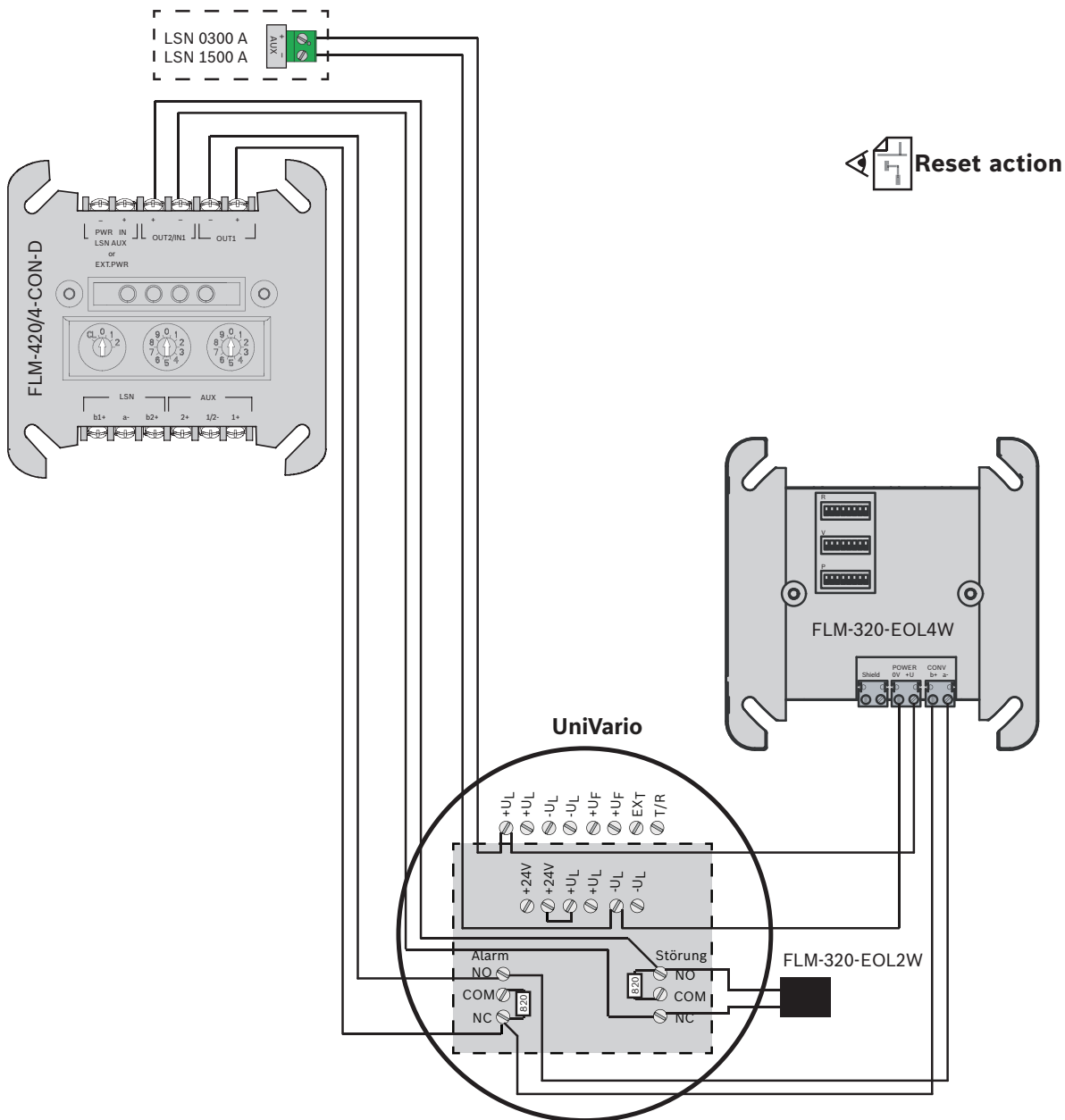




UniVario WMX5000  
 UniVario FMX5000  
 UniVario KMX5000



ELS







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838 -> FLM-420-RHV	27, 28
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