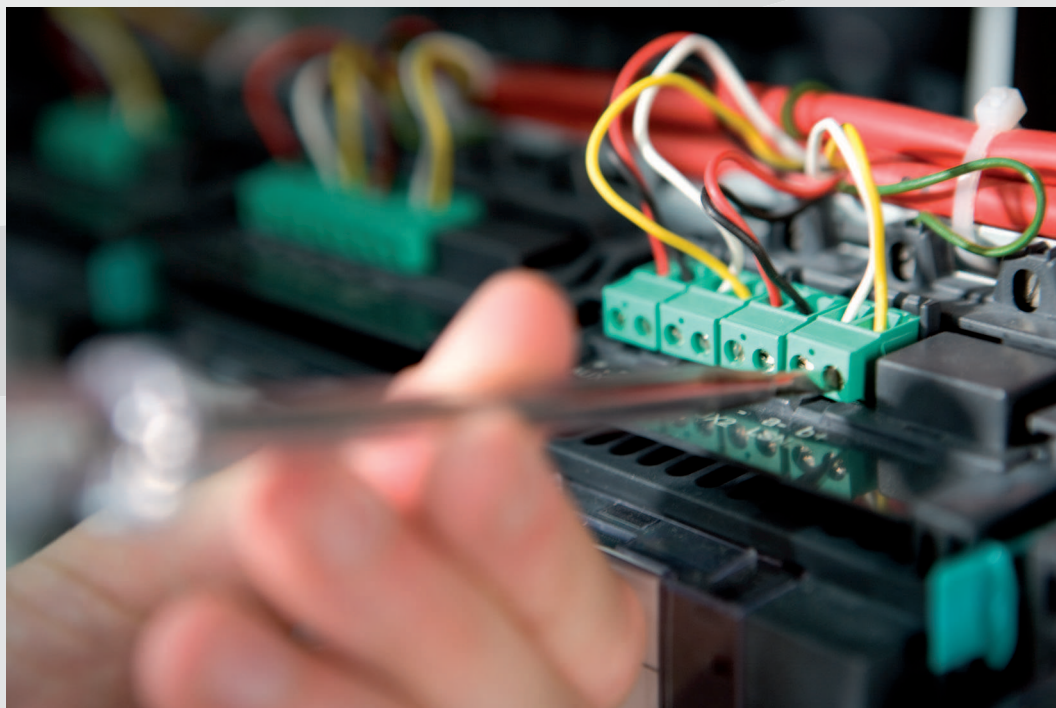


Centrale di Rivelazione Incendio Modulare

FPA-5000



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1 History

1.1 12.0 -> 12.1

Changes

Analog-Modem -> FPA-500, CPA 0000 A added
Modem Teleservice -> FPA-500, CPA 0000 A added
FCP-500/FCP-520 -> CZM 0004 A CTN changed
4-wire -> LSN 0300 A, EN54-13 changed
IOP 008 A, max. length changed to 3m
FCP-500/FCP-520 -> FLM-420/4-CON CTN changed
FMC-300-RW -> FLM-420/4-CON CTN changed
Plena -> FLM-420-RLV1 feedbackline added
Plena -> FLM-420-RLV8 feedbackline added
Fray5000 -> CZM 0004 A Reset added
Fray5000 -> FLM-420/4-CON Reset added
Fireray 2000 -> CZM 0004 A, EN54-13 - Reset added
Fireray 2000 -> FLM-420/4-CON EN54-13 - Reset added
FCS-320-TP -> CZM 0004 A EN54-13 - Reset added
FCS-320-TP -> FLM-420/4-CON EN54-13 - Reset added
FCS-320-TM -> CZM 0004 A EN54-13 - Reset added
FCS-320-TM -> FLM-420/4-CON EN54-13 - Reset added
EN54-13: Symbol for 2-wire and 4-wire added

Deleted

FPP-5000 -> FLM420-I2-D 2xFPP-5000 -> FLM420-I2-EW 2x
MSS 400 LSN -> LSN 0300 A (EN54-13) 4x

Outphased

SM 210 LSN RW -> LSN 0300 A
BL1 -> NZM 0002 A 2x
BL200 -> NZM 0002 A 2x
SG200 -> NZM 0002 A 2x
F732 -> FLM-420/4-CON
ORM130 -> FLM-420/4-CON
MS94 -> FLM-420/4-CON
S/Z 2406 -> FLM-420/4-CON
DKM/SKM -> FLM-420/4-CON
BL200 -> FLM-420-NAC 2x
SG200 -> FLM-420-NAC
DKM 120/SKM 120 -> CZM 0004 A
NMS 100 LSN -> LSN 0300 A

New

FMC-420RW -> LSN 0300 A
MPC-xxx-B -> AT2000 + CPA 0000 A
FNS-320 -> NZM 0002 A 2x
FNM-320 -> NZM 0002 A 2x
FNS-320 -> FLM-420-NAC 2x
FNM-320 -> FLM-420-NAC
FNM-320V -> FLM-420-NAC
FNM-320V -> NZM 0002 A
FNM-320V -> FLM-420-RLV1

FCS-320-TM -> CZM 0004 A
FCS-320-TM -> FLM-420/4-CON
FCS-320-TP -> CZM 0004 A
FCS-320-TP -> FLM-420/4-CON
ATG 100 LSN -> LSN 0300 A EN54-13 2x
FAS-420 -> LSN 0300 A EN54-13
FAS-420-TM -> LSN 0300 A EN54-13
FAS-420-TM -> LSN 0300 A BCM-AUX EN54-13
FBF 100 LSN -> LSN 0300 A EN54-13 2x
FK 100 LSN -> LSN 0300 A EN54-13 2x
FLM-420/4-CON -> LSN 0300 A EN54-13 2x
FLM-420-NAC -> LSN 0300 A EN54-13 2x
MSS 400 LSN -> LSN 0300 A EN54-13 2x
FCA-500-EU -> FLM-420/4-CON EN54-13
ADW 511 A -> FLM-420/4-CON EN54-13
FCS-320-TM -> FLM-420/4-CON EN54-13
FCS-320-TP1 -> FLM-420/4-CON EN54-13
FCS-LWM-1 -> FLM-420/4-CON EN54-13
Fireray50RV/100RV -> FLM-420/4-CON EN54-13
Fireray2000 -> FLM-420/4-CON EN54-13
FRay5000-50 -> FLM-420/4-CON EN54-13
DCA1192_SB3/DM_1103B-X/DO1101A-EX/DF1101A-EX/Typ_K -> FLM-420-4-CON EN54-13
FCA-500-EU -> CZM 0004 A EN54-13
FCS-320-TM -> CZM 0004 A EN54-13
FCS-320-TP1 -> CZM 0004 A EN54-13
FCS-LWM-1 -> CZM 0004 A EN54-13
Fireray50RV/100RV -> CZM 0004 A EN54-13
Fireray2000 -> CZM 0004 A EN54-13
FRay5000 -> CZM 0004 A EN54-13
DS 10 -> NZM 0002 A EN54-13 2x
FNM-320 -> NZM 0002 A EN54-13
FNS-320 -> NZM 0002 A EN54-13
MSS 300-SA -> NZM 0002 A EN54-13
PB 2005 -> NZM 0002 A EN54-13
DS10 -> FLM-420-NAC-D EN54-13
FNM-320 -> FLM-420-NAC-D EN54-13
FNM-320V -> FLM-420-NAC-D EN54-13
FNM-320V -> NZM 0002 A EN54-13
FNS-320 -> FLM-420-NAC-D EN54-13
FPP-5000 -> FLM-420-NAC-D EN54-13
MSS 300-SA -> FLM-420-NAC-D EN54-13
PB 2005 -> FLM-420-NAC-D EN54-13
FPP-500-TI13 -> LSN
MPC-xxx-B + EKS d-light DL-CAN 2x

1.2

12.1 -> 12.2

Changes

Contact -> FLM-420-4-CON-DS

ADW_511 -> FLM-420-4-CON-D

DCA1192_SB3/DM_1103B-X/DO1101A-EX/DF1101A-EX/Typ_K -> FLM-420-4-CON-DS
 FCS-320-TM-Series -> CZM_0004_A EN54-13
 FCS-320-TM-Series -> FLM-420-4-CON-D EN54-13
 FCS-320-TP1-Series -> CZM_0004_A EN54-13
 FCS-320-TP1-Series -> FLM-420-4-CON-D EN54-13
 FCS-LWM-1 -> CZM_0004_A EN54-13
 FCS-LWM-1 -> FLM-420-4-CON_D EN54-13
 Fireray_50RV/100RV -> CZM_0004_A EN54-13
 Fireray_50RV/100RV -> FLM-420-4-CON_D EN54-13
 Fireray_2000 -> CZM_0004_A EN54-13
 Fireray_2000 -> FLM-420-4-CON-D EN54-13
 FRay5000 -> CZM_0004_A EN54-13
 FRay5000 -> FLM-420-4-CON-D EN54-13
 TSZ_0400 -> FLM-420-4-CON-DS
 TSZ_0400 -> FLM-420-I2-E-W
 TSZ_0400 -> FLM-420-O1I1-E
 TSZ_0400 -> LSN_0300_A
 TSZ_0400 -> MS400
 FNM-420-A_-B -> LSN_030_A_EN54-13
 FNM-420-A_-B -> LSN_030_A_EN54-13
 FNM-420-A_-B -> LSN_030_A
 FNM-420-A-BS (without detector) -> LSN_030_A EN_54-13
 FNM-420-A-BS (without detector) -> LSN_030_A EN_54-13
 FNM-420-A-BS (without detector) -> LSN_030_A
 FNM-420-A-BS -> LSN_030_A EN54-13
 FNM-420-A-BS -> LSN_030_A EN54-13
 FPC-500 -> FLM-420-I8R1-S EN54-13
 FNM-420-A-BS -> LSN_030_A
 LA -> FLM-420-RLE
 LWL_Networking_EKS_d-light_MPC-xxxx-B_(FMR-5000)
 LWL_Networking_EKS_d-light_MPC-xxxx-B_(FMR-5000)
 MSS_300-WH-EC -> CZM_0004_A/FLM-420-NAC-D EN54-13
 MSS_300-WH-EC -> CZM_0004_A/NZM_0002_A EN54-13

Deleted

FLM-420-4-CON-D -> LSN_0300_A EN54-13
 FLM-420-4-CON-D -> LSN_0300_A EN54-13

Outphased

AT_2000+ISDN+ATE_ISDN -> ENO_0000_A/B
 AT_2000+ISDN+ATE_ISDN -> ENO_0000_A/B_RML_0008_A
 AT_2000+ISDN+ATE_ISDN -> ENO_0000_A/B_RML_0008_A
 AT_2000+ISDN+ATE_ISDN -> ENO_0000_A/B_RML_0008_A
 AT_2000+ISDN+ATE_ISDN -> ENO_0000_A/B_RML_0008_A
 AT_2000+ISDN+ATE_ISDN -> ENO_0000_A/B_RML_0008_A
 AT_2000+ISDN+ATE_ISDN -> ENO_0000_A/B
 AT_2000+ISDN+ATE_ISDN -> ENO_0000_A/B
 AT_2000+ISDN+ATE_ISDN -> ENO_0000_A/B
 AT_2000+ISDN+ATE_ISDN -> MPC-xxxx-B
 LA -> FLM-420-RLE

New

FPC-500 -> FLM-420-I8R1-S_EN54-13
 FPC-500 -> FLM-420-O1I1_EN54-13
 AT_3000 -> ENO_0000_B
 UniVario, WMX-5000, KMx-5000 -> FLM-420-4-CON_EN54-13
 N4387A -> CZM 0004 A
 N4387A -> CZM 0004 A EN54-13
 N4387A -> FLM-420-4-CON
 N4387A -> FLM-420-4-CON EN54-13
 0165X9 -> CZM 0004 A
 0165X9 -> CZM 0004 A EN54-13
 0165X9 -> FLM-420-4-CON
 0165X9 -> FLM-420-4-CON EN54-13

1.3**12.2 -> 12.3****New**

FNM-420V-A -> LSN 0300 A
 FNM-420V-A -> LSN 0300 A EN 54-13
 SOL-LX -> FLM-420-NZM 0002 A
 SOL-LX -> FLM-420-NZM 0002 A EN 54-13
 SOL-LX -> FLM-420-NAC-D
 SOL-LX -> FLM-420-NAC-D EN 54-13
 ROLP-W-LX, ROLP-R-LX -> NZM 0002 A
 ROLP-W-LX, ROLP-R-LX -> NZM 0002 A EN 54-13
 ROLP-W-LX, ROLP-R-LX -> FLM-420-NAC-D
 ROLP-W-LX, ROLP-R-LX -> FLM-420-NAC-D EN 54-13
 FIRERAY3000 -> CZM 0004 A
 FIRERAY3000 -> CZM 0004 A EN 54-13
 FIRERAY3000 -> FLM-420/4-CON-D
 FIRERAY3000 -> FLM-420/4-CON-D EN 54-13
 FIRERAY5000 -> CZM 0004 A
 FIRERAY5000 -> CZM 0004 A EN 54-13
 FIRERAY5000 -> FLM-420/4-CON-D
 FIRERAY5000 -> FLM-420/4-CON-D EN 54-13
 Reset action
 TS 4000 E, TS 4000 E-IS, TS 4000 EFS, TS 5000 E, TS 5000 E-IS, TS 5000 E-ISM, TS 550 E, TSA 160 NT F, TSA 160 NT F-IS, TSA 160 F-IS/TS, Slimdrive EMD-F, Slimdrive EMD-F-IS -> FAA-MSR 420 (DIBT)
 TS 4000 E, TS 4000 E-IS, TS 4000 EFS, TS 5000 E, TS 5000 E-IS, TS 5000 E-ISM, TS 550 E, TSA 160 NT F, TSA 160 NT F-IS, TSA 160 F-IS/TS, Slimdrive EMD-F, Slimdrive EMD-F-IS -> FLM-420-RHV (DIBT)

Changed

MPC -> MPC (FMR 5000): MPC-xxx-C added
 MPC (FMR 5000) + EKS d-light DL-CAN (LWL): MPC-xxx-C added
 Analog Modem 56k -> BCM-0000-B: MPC-xxx-C added
 Microlink ISDN I -> BCM-000-B: MPC-xxx-C added
 FPP-5000-TI13 -> BCM-000-B: PRS-0002-C
 UGM 2020 -> FPE-5000-UGM: MPC-xxx-C added
 FLM-420-NAC-D -> FPP-5000

FLM-420-NAC-D -> FPP-5000 EN54-13
 FLM-420-NAC-D -> LSN 0300 A
 FLM-420-NAC-D -> LSN 0300 A EN 54-13
 ED 200 -> FAA-MSR 420 (DIBT)
 ED 200 -> FLM-420-RHV (DIBT)
 GT xx R, 8 xx -> FAA-MSR 420 (DIBT)
 GT xx R, 8 xx -> FLM-420-RHV (DIBT)
 TS 73 EMF, TS 93 EMF, TS 93 GSR, BTS 80 EMB, BTS 80 FLB-> FAA-MSR 420 (DIBT)
 TS 73 EMF, TS 93 EMF, TS 93 GSR, BTS 80 EMB, BTS 80 FLB-> FLM-420-RHV (DIBT)
 0165X9 Flame Detector: IR3 added
 User Notes changed, Editorial changes (EN)

Outphased

Fireray 2000 -> CZM 0004 A
 Fireray 2000 -> CZM 0004 A EN 54-13
 FAY5000-series -> CZM 0004 A
 FRAY5000-series -> CZM 0004 A EN 54-13
 Fireray2000 -> FLM-420/4-CON-D
 Fireray2000 -> FLM-420/4-CON-D EN 54-13
 FRAY5000-series -> FLM-420/4-CON-D
 Fireray5000-series -> FLM-420/4-CON-D EN 54-13

1.4

12.3 -> 12.4

New

ATB 420 LSNi -> LSN 0300 A, ATB 420 LSNi -> LSN 0300 A (EN 54-13)
 ATG 420 LSNi -> LSN 0300 A, ATG 420 LSNi -> LSN 0300 A (EN 54-13)
 FAT-T-G/FAT-G-G -> FPE-5000-UGM
 FAT-T-G/FAT-G-G -> IOS 0020 A
 FAT5 -> FPE-5000-UGM
 FAT5 -> IOS 0020 A
 ED 100/ED 250 -> FAA-MSR-420, ED 100/ED 250 -> FLM-420-RHV

Changed

User Notes updated (CS, DE, EL, ES, FR, HR, HU, IT, NL, PL, PT, RO, RU, SL, TR)
 User Notes updated (DE, EN)
 TS 4000 E, TS 4000 E-IS, TS 4000 EFS, TS 5000 E, TS 5000 E-IS, TS 5000 E-ISM, TS 550 E, TSA 160 NT F, TSA 160 NT F-IS, TSA 160 F-IS/TS, Slimdrive EMD-F, Slimdrive EMD-F-IS -> FAA-MSR 420 (DIBT)
 TS 4000 E, TS 4000 E-IS, TS 4000 EFS, TS 5000 E, TS 5000 E-IS, TS 5000 E-ISM, TS 550 E, TSA 160 NT F, TSA 160 NT F-IS, TSA 160 F-IS/TS, Slimdrive EMD-F, Slimdrive EMD-F-IS -> FLM-420-RHV (DIBT)
 FIBS -> LSN 0300
 FAA-420-RI -> FAA-MSR-420 (FAA-420-RI-DIN/FAA-420-ROW new)
 FCP-500 -> CZM 0004 A, Sample wiring, FCP-500 -> FLM-420-4-CON-DS (MPA deleted, FAA-420-RI-DIN new)
 DF 1192 -> FLM-420-4-CON (MPA deleted, FAA-420-RI-DIN new)
 FAA-MSR-420 -> LSN 0300 A (MPA deleted, FAA-420-RI-DIN new)
 FAA-500 + FAA-500-R -> LSN 0300 A (MPA deleted, FAA-420-RI-DIN new)
 FAD 0420 -> LSN 0300 A (MPA/FAA-420-RI-DIN not possible)
 FCS-LWM-1 -> CZM 0004 A, FCS-LWM-1 ->FLM-420-4-CON (MPA deleted, FAA-420-RI-DIN/FAA-420-RI-ROW new)

FNM-420-A-BS, FNM-420U-A-BS -> LSN 0300 A (MPA deleted, FAA-420-RI-DIN new)
 MSS-300-WH-EC, MSS-300-WS -> CZM 0004 A (MPA deleted, FAA-420-RI-DIN new)
 MSS-300, MS-400, MSF-400 -> FLM-420/4-CON (MPA deleted, FAA-420-RI-DIN new),
 MS-400 -> LSN 0300 (MPA deleted, FAA-420-RI-DIN new)
 MS-400 -> CZM 0004 A (MPA deleted, FAA-420-RI-DIN/FAA-420-RI-ROW new)
 FPC-500 -> FLM-420-I8R1-S, FPC-500 -> FLM-420-O1I1-E deleted

Outphased

BS ATG 100 LSN -> LSN 0300 A, BS ATG 100 LSN -> LSN 0300 A EN 54-13
 ED 200 -> FAA-MSR-420, ED 200 -> FLM-420-RHV
 MSR 320 -> CZM 0004 A, MSR 320 -> FLM-420-4-CON

1.5

12.4 -> 12.5

New

ASD 535-2 -> FLM-420-4-CON
 FAT4000, FBF4000, ADP4000 (FMF-FAT, FMF-FBF-FAT, FMF-FIBS-A4, FMF-FIBS-A3, FMF-ADP) -
 > IOS 0020 A 2x
 FAT4000, FBF4000, ADP4000 (FMF-FAT, FMF-FBF-FAT, FMF-FIBS-A4, FMF-FIBS-A3, FMF-ADP) -
 > UEZ2000
 FAT4000, FBF4000, ADP4000 (FMF-FAT, FMF-FBF-FAT, FMF-FIBS-A4, FMF-FIBS-A3, FMF-ADP) -
 > BZ500
 FCS-320-TP2 -> FLM-420-4-CON 2x, FCS-320-TP2 -> CZM 0004 A 2x

Changed

AT3000 -> ENO 0000 A/B (product name AT3000)
 FLM-420-NAC-DS -> LSN 0300 A, FPP-5000 -> FLM-420-NAC-D,
 Plena -> FLM-420-RLV1-E, Plena -> FLM-420-RLV8-S, Plena -> IOS_0020_A (product name FPA)
 FAA-MSR-420 -> LSN 0300 A, FAA-420-RI -> FAA-MSR-420 (C point connection not allowed)
 FAT 2002 RE -> IOS 0020 A + MPC-xxxx-B, FAT 2002 RE -> IOP 0008 A + IOS 0020 A, FAT 2002
 RE -> FLM-420-I2-D + IOS 0020 A (power supply)
 FAT5 -> FPE-5000-UGM, FAT5 -> IOS 0020 A (fault relay, polarity)
 FAT-T-G/FAT-G-G -> FPE-5000-UGM, FAT-T-G/FAT-G-G -> IOS 0020 A (TTY-interface)
 FCA-500-EU -> CZM 0004 A 2x, FCA-500-EU -> FLM-420-4-CON 2x (labeling connections)
 FLM-420-4-CON-D -> LSN 0300 3x (delete unnecessary lines)
 FLM-420-NAC-DS -> LSN 0300 6x, FPP-5000 -> FLM-420-NAC (FLM-420-NAC labeling: a + b -)
 FMR-5000 -> BCM-0000-B (redundancy symbol added)
 Fireray 50RV/100RV -> FLM-420/4-CON-D 2x, Fireray 50RV/100RV -> CZM 2x (key switch ->
 reset)

User Notes updated, order of chapters

Deleted

FPC-500 -> FLM-420-I8R1-S EN54-13, FPC-500 -> FLM-420-O1I1 EN54-13

Outphased

ADW 511 A -> CZM 0004 A
 ADW 511 A -> FLM-420/4-CON-D/S
 ADW 511 A -> FLM-420/4-CON-D/S (EN 54-13)
 BGÜ 40/30 -> ENO 000 A/ENO 000 B
 BGÜ 40 -> ENO 000 A/ENO 000 B
 TUS 35 -> ENO 000 A/ENO 000 B

SD 3, FSD 2003, FNSK -> ENO 0000 A/ENO 000 B
 SD 12 V, FNSK -> ENO 0000 A/ENO 000 B/
 SD 3, SD 24 V, FNSK -> ENO 0000 A/ENO 000 B
 SD 3, SD 24 V, FSE -> ENO 0000 A/ENO 000 B
 SD 12 V, FSE -> ENO 0000 A/ENO 000 B
 SD 3, SD 24 V, FSE -> ENO 0000 A/ENO 000 B
 FAT 2002 -> IOS 0020 A
 FIBS -> LSN 0300 A 3x

1.6

12.5 -> 12.6

Changed

FAT4000, FBF4000, ADP4000 (FMF-FAT, FMF-FBF-FAT, FMF-FIBS-A4, FMF-FIBS-A3, FMF-ADP) -
 > IOS 0020 A (EN 54-13) 2x
 FAT4000, FBF4000, ADP4000 (FMF-FAT, FMF-FBF-FAT, FMF-FIBS-A4, FMF-FIBS-A3, FMF-ADP) -
 > FPE-5000-UGM (EN 54-13)
 FAT4000, FBF4000, ADP4000 (FMF-FAT, FMF-FBF-FAT, FMF-FIBS-A4, FMF-FIBS-A3, FMF-ADP) -
 > FMF-ADP-FBF/FMF-ADP-TTY (EN 54-13) 2x
 AT3000 IP/GSM, AT3000 IP/GSM/Analog, AT3000 IP/GSM/ISDN -> ENO 0000 A/B (name)

Outphased

FAT4000, FBF4000, ADP4000 (FMF-FAT, FMF-FBF-FAT, FMF-FIBS-A4, FMF-FIBS-A3, FMF-ADP) -
 > UEZ2000 (EN 54-13) 2x
 FAT4000, FBF4000, ADP4000 (FMF-FAT, FMF-FBF-FAT, FMF-FIBS-A4, FMF-FIBS-A3, FMF-ADP) -
 > BZ500 (EN 54-13) 2x

1.7

12.6 -> 12.7

Changed

EN 54-13 symbol deleted, ELS symbol new
 User notes updated, Merge symbols for Power supply via the panel and External power supply (EN)
 Order of chapters Chapter EN 54-13 -> EOL, Loop wirings without EOL modules moved
 0165X9 -> 016519, 016589
 ASD 535-2 -> FLM-420/4-CON (ELS)
 3 x FLM-420-O8I2-S -> LSN 0300
 2 x DC1192, SB3 -> FLM-420/4-CON-DS (OOH740-A9-Ex added)
 3 x FLM-420-O1I1 series -> LSN 0300
 FLM-420-NAC-D -> BCM-0000-B, MSS 300-SA -> FLM-420-NAC-D (erroneus 2k2 relais indication)
 FLM-420-NAC-D/S -> LSN 0300 A (Flush symbol added)
 Fireray 50RV & 100RV -> FLM-420/4-CON/D (LSN AUX added)
 2 x FCP-500 -> FLM-420-NAC (switched wires)

Deleted

3 x FLM-420-O8I2-S (use cases) -> LSN 0300, 1 x FLM-420-I8R1-S (use case)-> LSN 0300
 4 x FLM-420-O2 -> LSN 0300
 1 x FLM-420-O1I1-E -> LSN-0300-A

New

ADW 535-1 -> FLM-420/4-CON (ELS), ADW 535-2 -> FLM-420/4-CON (ELS)
 ASD 535-1 -> FLM-420/4-CON (ELS)
 FCS-LHD-2 -> CZM 0004 A, FCS-LHD-2 -> CZM 0004 A (ELS)
 FCS-LHD-2 -> FLM-420/4-CON, FCS-LHD-2 -> FLM-420/4-CON (ELS)

1.8

OSID -> FLM-420/4-CON (ELS)
 thefirebeam -> FLM-420/4-CON (ELS)
 ASD 532 -> FLM-420/4-CON (ELS)

12.7 -> 12.8**New**

AT5000 -> ENO 0000 B

Changed

Editorial changes: Index, VdS 2489 added (ELS wirings)

Naming:

- 2x DCA1192 -> DC1192
- 2x DKM Typ K Ex-97 -> 2014/2 Ex, 2014/2 GLU-Ex
- 11x Base name, graphic -> Detector name, graphic
- Delete FCP-520
- FMC-420RW -> FMC-420RW-HSGRD FMC-420RW-HSRRD FMC-420RW-GFGRD
FMC-420RW-GFRRD FMC-420RW-GSGRD FMC-420RW-GSRRD
- UniVario WMX-5000 -> UniVario WMX5000
- UniVario KMX-5000 -> UniVario KMX5000
- UniVario FMX5000 added

ELS descriptions in 2.4.2 (DE, EN)

2x DS 10 -> NZM 0002 A (connection B->L- corrected)

ADW-535-2 | ASD-535-2 -> FLM-420/4-CON (correction, shield correction)

ADW 535-1 | ASD-532 | ASD 535-1 | OSID | thefirebeam -> FLM-420/4-CON (shield correction)

FAS-420 | FAS-420-TM -> LSN 0300 A (shield correction)

FCS-320-TM | FCS-320-TP | FCS-320-TP1 | FBF 100 -> LSN 0300 A (shield correction)

Fireray50RV/100RV | FIRERAY3000 | FIRERAY5000 (shield deleted)

FLM-420-O1I1 -> LSN 0300

FCS-320-TP2 -> FLM-420/4-CON, CZM 0004 A (power supply)

FCS-LHD-2 (Alarmline II) -> FLM-420/4-CON (power supply)

DS 10 -> NZM 0002 A (ELS), FCS-320-TP2 + FLM-320-EOL4W -> CZM 0004 A, UniVario ->

FLM-420/4-CON, 3 x ELS principle (correction of swapped wires)

Editorial changes: FCS-320-TM series, FCS-320-TP1 series (symbols), User notes updated, 3 duplicates removed

Loeschanlage -> RMH 0002 A (VKA2 + Montagesatz 10DA added)

Reset action

5 x FAT4000 (shield)

MSS 300-WS -> FLM-420/4-CON, MSS 300-WS -> CZM 0004 A (3k92 according installation guide)

Deleted

Löschanlage -> FB1 (of RMH 000 2 A, application discontinued since Wiring Guide 12.2)

Section Networking (see Networking guide)

Section Operating and display panels (see Installation guide of remote keypad)

AT3000 IP/GSM/ISDN -> ENO 0000 A/B

37 x 2-wire cabling -> CZM 0004 A

2 Note

2.1 Contenuto

La presente guida al cablaggio illustra le modalità di collegamento dei dispositivi periferici alla FACP.

Nella "Part 2 - Discontinued Products" di tale guida vengono illustrati i dispositivi che non rientrano più nella gamma di prodotti in vendita.

**Avviso!**

I collegamenti descritti in questo documento sono validi anche per la centrale di rivelazione incendio FPA-1200 , a condizione che i singoli componenti siano estensioni della centrale di rivelazione incendio FPA-1200 approvate da Bosch Sicherheitssysteme GmbH.

**Avviso!**

I collegamenti LSN 0300 A riportati nel presente documento si applicano anche al modulo LSN 1500 A.

2.2 Informazioni sul prodotto

- Le istruzioni di installazione per i singoli componenti della centrale FACP sono riportate nel manuale di installazione in dotazione.

2.3 Note importanti

- Utilizzare solo i materiali necessari all'installazione consigliati da Bosch Security Systems.
- Indossare sempre un cinturino con messa a terra quando si effettuano modifiche e lavori di saldatura.
- L'assemblaggio e l'installazione devono essere eseguiti solo da personale qualificato.
- Osservare i criteri di collegamento stabiliti dalle normative locali vigenti.

**Pericolo!**

Il contatto con componenti scoperti potrebbe avere conseguenze letali.
Prima di eseguire l'installazione, scollegare l'alimentazione.

**Avviso!**

Se occorre connettere un filo schermato per il cavo LSN, procedere in base alle specifiche LSN.

- Connettere il filo schermato LSN sul lato del pannello al connettore di messa a terra funzionale designato. L'estremità di entrambi i lati (inizio e fine) del loop deve essere connessa alla centrale.
- Eseguire il loop-through del filo schermato presso tutte le periferiche LSN mediante i terminali forniti
- Non sono consentite connessioni aggiuntive del filo schermato LSN, né ai connettori di messa a terra in qualsiasi posizione, né ad altri potenziali elettrici

2.4 Note per l'utente

La guida di cablaggio presenta la struttura seguente:

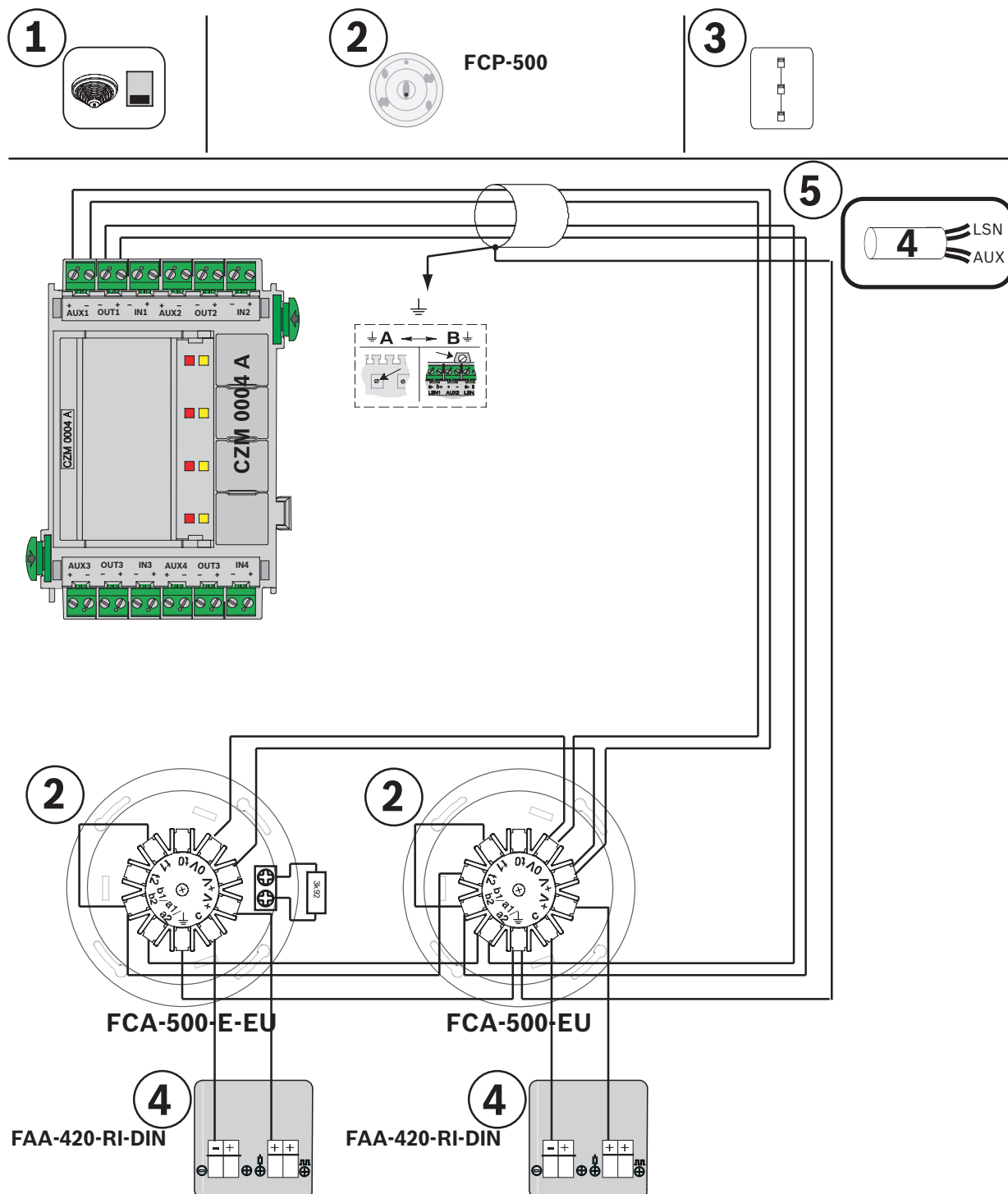
- Il capitolo *Cablaggio, pagina 18* è organizzato in base al dispositivo al quale è collegata la periferica. Un cablaggio mostra il collegamento diretto di un dispositivo a un altro dispositivo (senza collegamenti a cascata). Solitamente, nei cablaggi non è mostrata la schermatura. Il cablaggio di esempio di seguito illustra la schermatura.

- Una raccolta di tutti i cablaggi arricchiti con moduli EOL aggiuntivi per il monitoraggio delle interruzioni di circuito lente si trova nella sezione EOL.

Per trovare il cablaggio necessario, utilizzare anche:

- il sommario all'inizio del capitolo *Cablaggio*, pagina 18 e all'inizio delle sezioni *Moduli funzionali*, pagina 48, *Moduli interfaccia*, pagina 136 e EOL.
- l'Index (non ordinato per lingua),
- e la ricerca di testo completo.

Vedere il seguente cablaggio esemplificativo:



1	Simboli capitolo (<i>Simboli capitolo, pagina 14</i>)
2	Dispositivo periferico collegabile
3	Simboli collegamento (<i>Simboli collegamento, pagina 14</i>)
4	Componenti opzionali
5	Alimentazione e cablaggio (<i>Alimentazione e cablaggio, pagina 15</i>)

Fare riferimento a

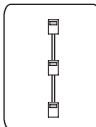
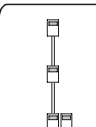
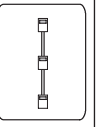
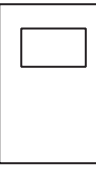
– EOL, pagina 180

2.4.1 Simboli capitolo

	Rivelatori automatici		Pannelli operativi e display		Stampante
	Alimentazione		Moduli funzionali		Dispositivi per il servizio antincendio
	Moduli di interfaccia		Sistemi di spegnimento		Pulsanti manuali
	Dispositivi di segnalazione		Controlli porte		Unità di trasmissione
	Collegamento in rete				

2.4.2 Simboli collegamento

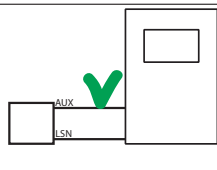
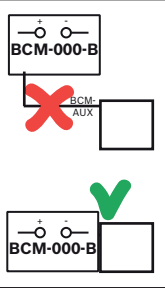
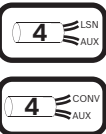
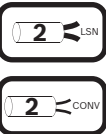
 	Collegamento monitorato/non monitorato di periferiche convenzionali o linea circuito apparecchio di notifica convenzionale monitorata/non monitorata. (Resistenza fine linea nei collegamenti CZM 0004 A, FLM-420-NAC-D/S, NZM 0002 A, RMH 0002 A o collegamenti a contatto secco con il modulo interfaccia).	 	In questo collegamento di periferiche tradizionali è possibile collegare una linea di feedback. / Il simbolo contrassegnato da una croce indica che la linea di feedback non è necessaria o consigliata. (Collegamenti FLM-420-RHV, FLM-420-RLE-S, RMH 0002 A) È inoltre possibile utilizzare una linea di ingresso come linea di feedback (FLM-420-I8R1, FLM-420-I2, FLM-420-O8I2, FLM-420-O1I1, ...).		Ridondanza
	Cablaggio in loop		Cablaggio in loop con elemento ridondante		Cablaggio in linea aperta

	Cablaggio in linea aperta ridondante		Cablaggio in linea aperta con elemento ridondante		Cablaggio in linea aperta ridondante con elemento ridondante
ELS	Questo cablaggio è conforme allo standard VdS 2543. ELS sta per supervisione di linea estesa (Extended Line Supervision), che significa monitoraggio dei cortocircuiti e delle interruzioni di circuito lenti. Il cablaggio presenta ELS. Tutti i cablaggi arricchiti con moduli EOL aggiuntivi per il monitoraggio delle interruzioni di circuito lente si trovano al capitolo EOL. Un cortocircuito lento viene rilevato dai seguenti moduli: LSN 0300 A, LSN 1500 A e BCM-0000-B con utilizzo di FPP-5000-TI13.		Questo cablaggio in loop è conforme allo standard VdS 2543. Offre la funzione ELS. Non sono necessari moduli EOL aggiuntivi.		Sincronizzazione
	Aree a rischio di esplosione		Centrale		Centrale autonoma
	Centrale di controllo autonoma con ridondanza		Non consentito		Per le basi del rivelatore: il cablaggio è valido unicamente per la base del rivelatore in cui quest'ultimo è installato.
-----	Cablaggio opzionale	_____	Cablaggio obbligatorio	EN 54-2, DIBT ecc.	Per assicurare la conformità a questo standard, utilizzare il cablaggio specificato.

2.4.3 Alimentazione e cablaggio



Alimentazione supplementare

	Alimentazione tramite centrale L'alimentatore può essere separato dall'elemento.
	Alimentazione tramite centrale/alimentatore esterno L'elemento è alimentato da un modulo BCM-000-B. Deve essere montato ad incasso con l'alloggiamento del prodotto contenente il modulo BCM-000-B.
	Il cablaggio è un collegamento a 4 conduttori. Altrimenti è un collegamento a 2 conduttori.
	Il cablaggio è un collegamento a 2 conduttori.
	Consultare il cablaggio nel presente manuale.
	Vedere la documentazione tecnica della periferica collegata.

2.5

Valori di resistenza

La seguente tabella mostra una panoramica delle codifiche dei colori per le resistenze. Le resistenze della pellicola di metallo fornite con il prodotto presentano 5 bande colorate che ne indicano il valore.

Colore	1. banda	2. banda	3. banda	4. banda (moltiplicatore)	5. banda (tolleranza)
Argento				10^{-2}	$\pm 10\%$
Oro				10^{-1}	$\pm 5\%$
Nero		0	0	10^0	
Marrone	1	1	1	10^1	$\pm 1\%$
Rosso	2	2	2	10^2	$\pm 2\%$
Arancione	3	3	3	10^3	$\pm 0.05\%$
Giallo	4	4	4	10^4	$\pm 0.02\%$
Verde	5	5	5	10^5	$\pm 0.5\%$
Blu	6	6	6	10^6	$\pm 0.25\%$

Colore	1. banda	2. banda	3. banda	4. banda (moltiplicatore)	5. banda (tolleranza)
Viola	7	7	7	10^7	$\pm 0.1\%$
Grigio	8	8	8	10^8	$\pm 0.01\%$
Bianco	9	9	9	10^9	

Conforme a DIN EN 60062:2017

Arancione - Bianco - Nero - Marrone - Marrone: resistenza di 3.900 Ohm con tolleranza dell'1%

Rosso - Rosso - Nero - Marrone - Marrone: resistenza di 2.200 Ohm con tolleranza dell'1%

3 Cablaggio



FPP-5000 Power supply, pagina 19

DIBT, pagina 21

Moduli funzionali, pagina 48

BCM-0000-B, pagina 49

CZM 0004 A, pagina 51

ENO 0000 A/B, pagina 55

LSN 0300 A, pagina 62

NZM 0002 A, pagina 97

RMH 0002 A, pagina 113

IOS 0020 A, pagina 116

FPE-5000-UGM, pagina 131

Moduli interfaccia, pagina 136

FLM-420/4-CON-D/S, pagina 137

FLM-420-NAC-D/S, pagina 162

FLM-420-RLE-S, pagina 175

FLM-420-RLV1-E, pagina 176

FLM-420-RLV8-S, pagina 177

EOL, pagina 180

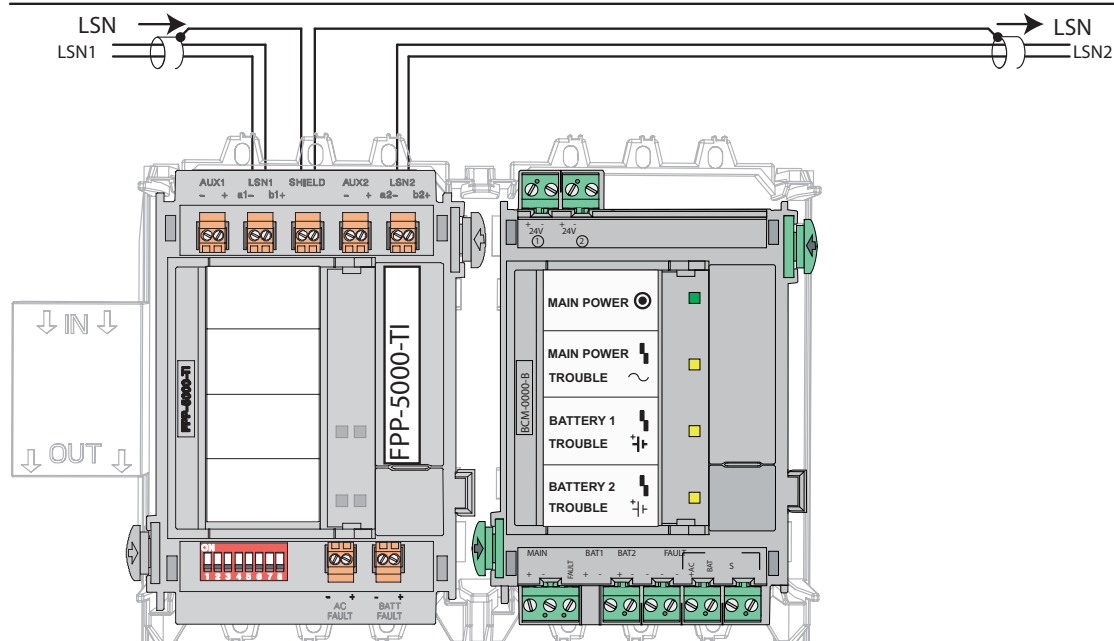
LSN 0300 A, pagina 181

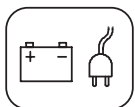
FLM-420/4-CON-S/D, pagina 223

3.1 FPP-5000 Power supply



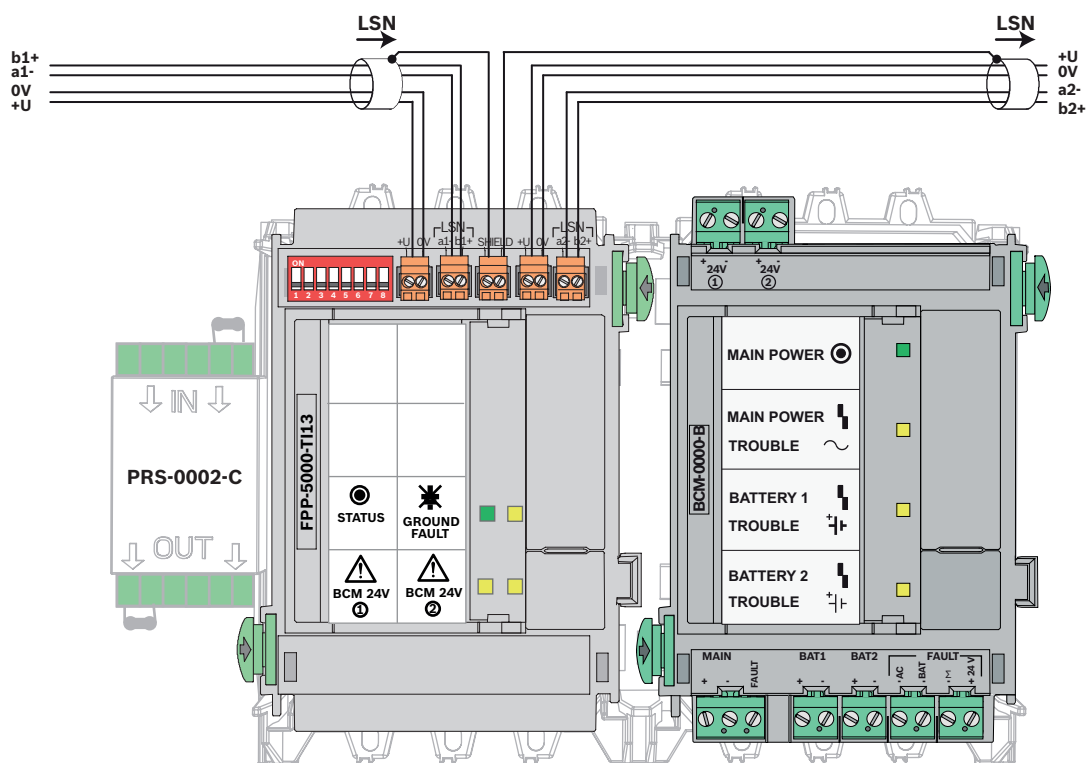
FPP-5000-TI





FPP-5000-Ti13

ELS VdS 2489



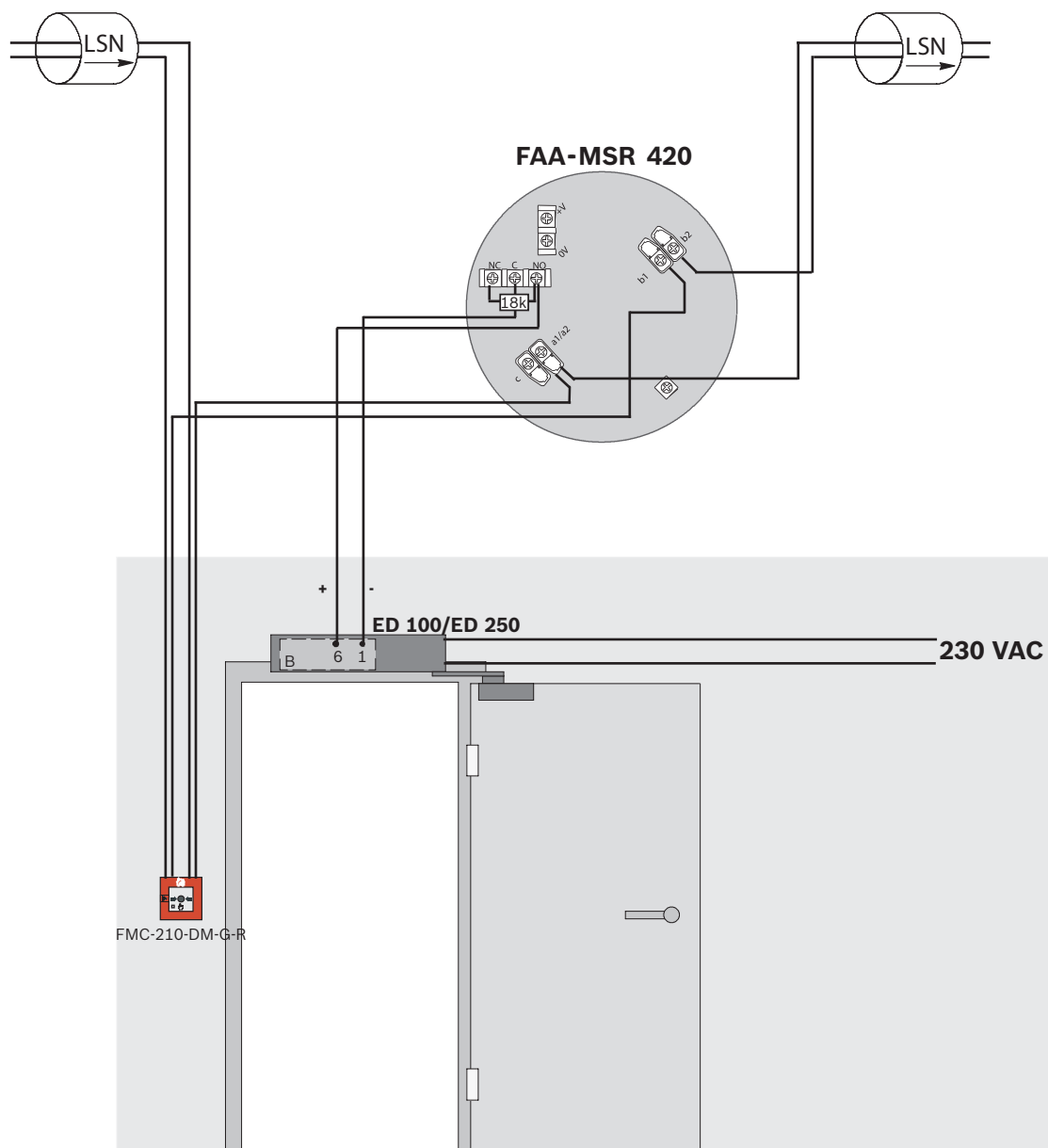
3.2

DIBT



ED 100
ED 250
 (+Upgrade Card B)

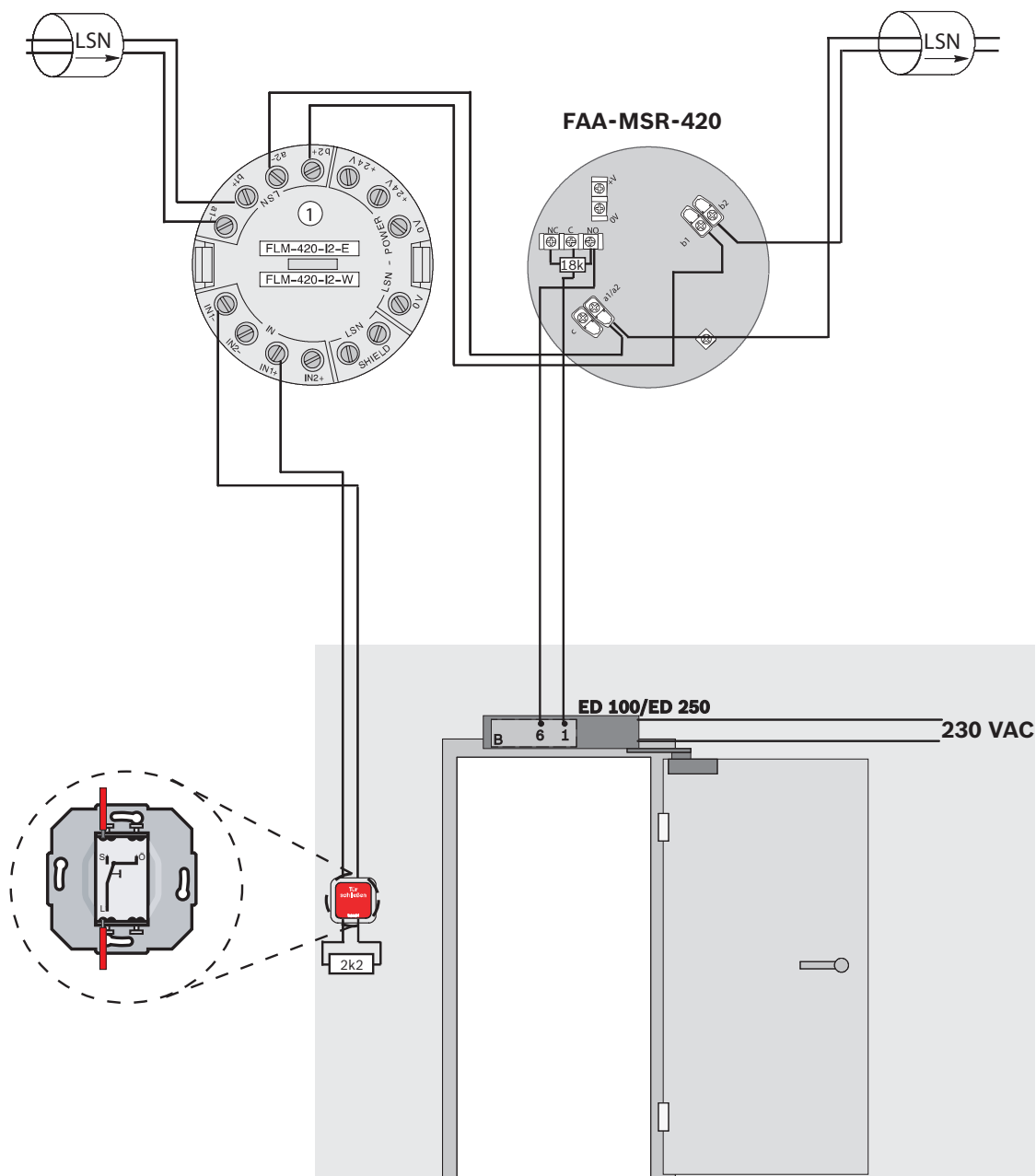
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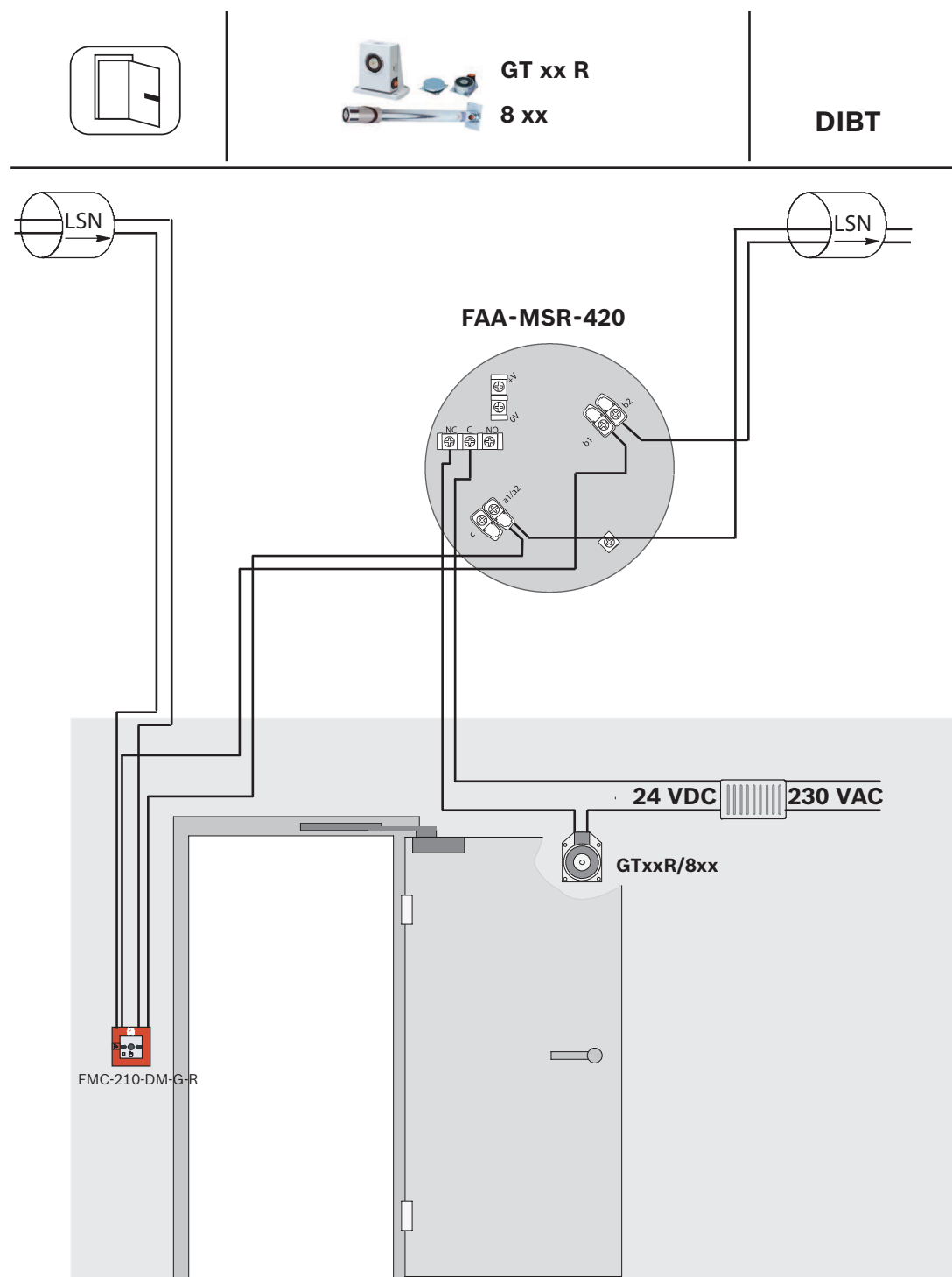




**ED 100
ED 250
(+Upgrade Card B)**

DIBT

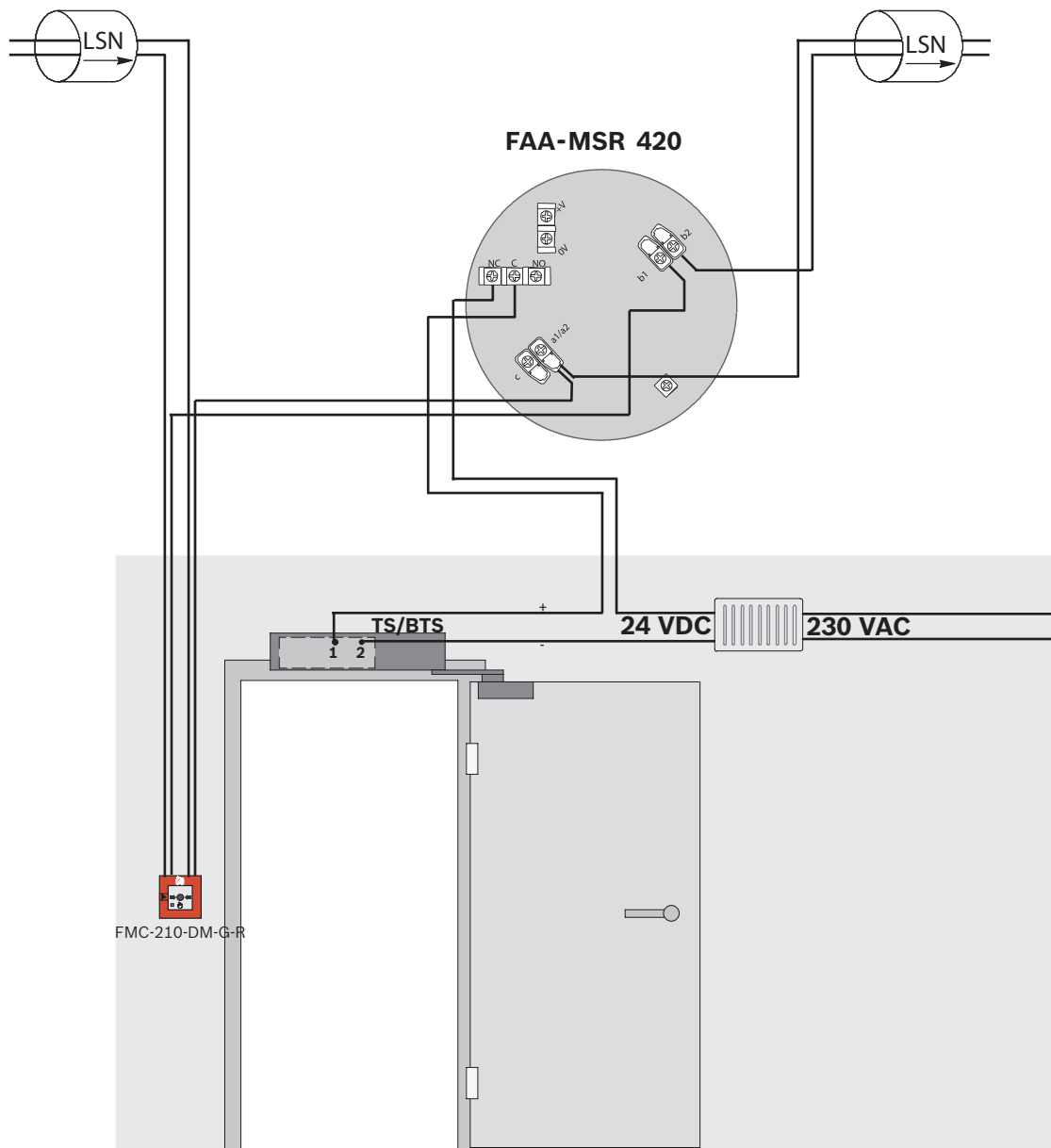






TS 73 EMF
TS 93 EMF
TS 93 GSR
BTS 80 EMB
BTS 80 FLB

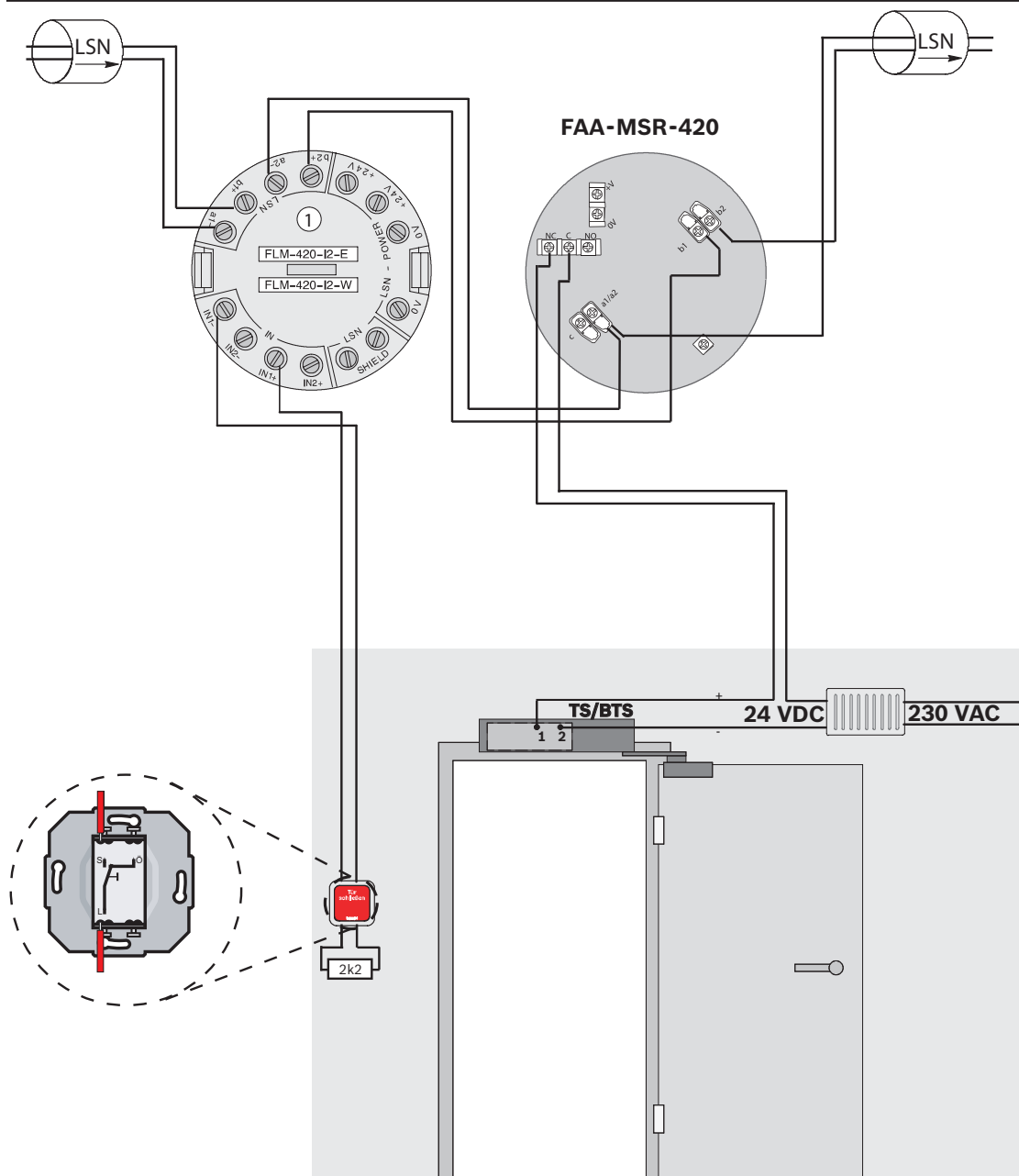
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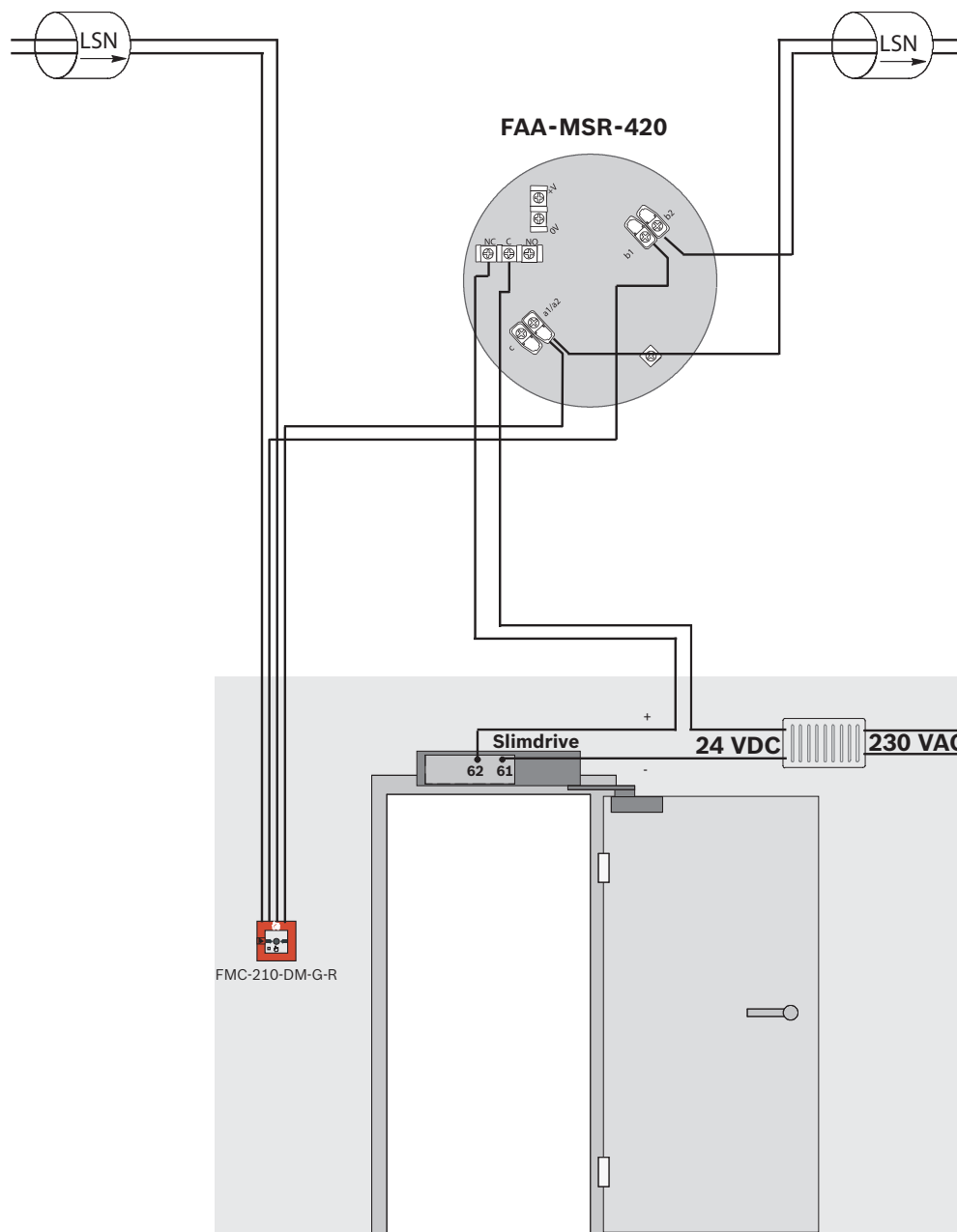




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TS 93 EMF
TS 93 GSR
BTS 80 EMB
BTS 80 FLB

DIBT

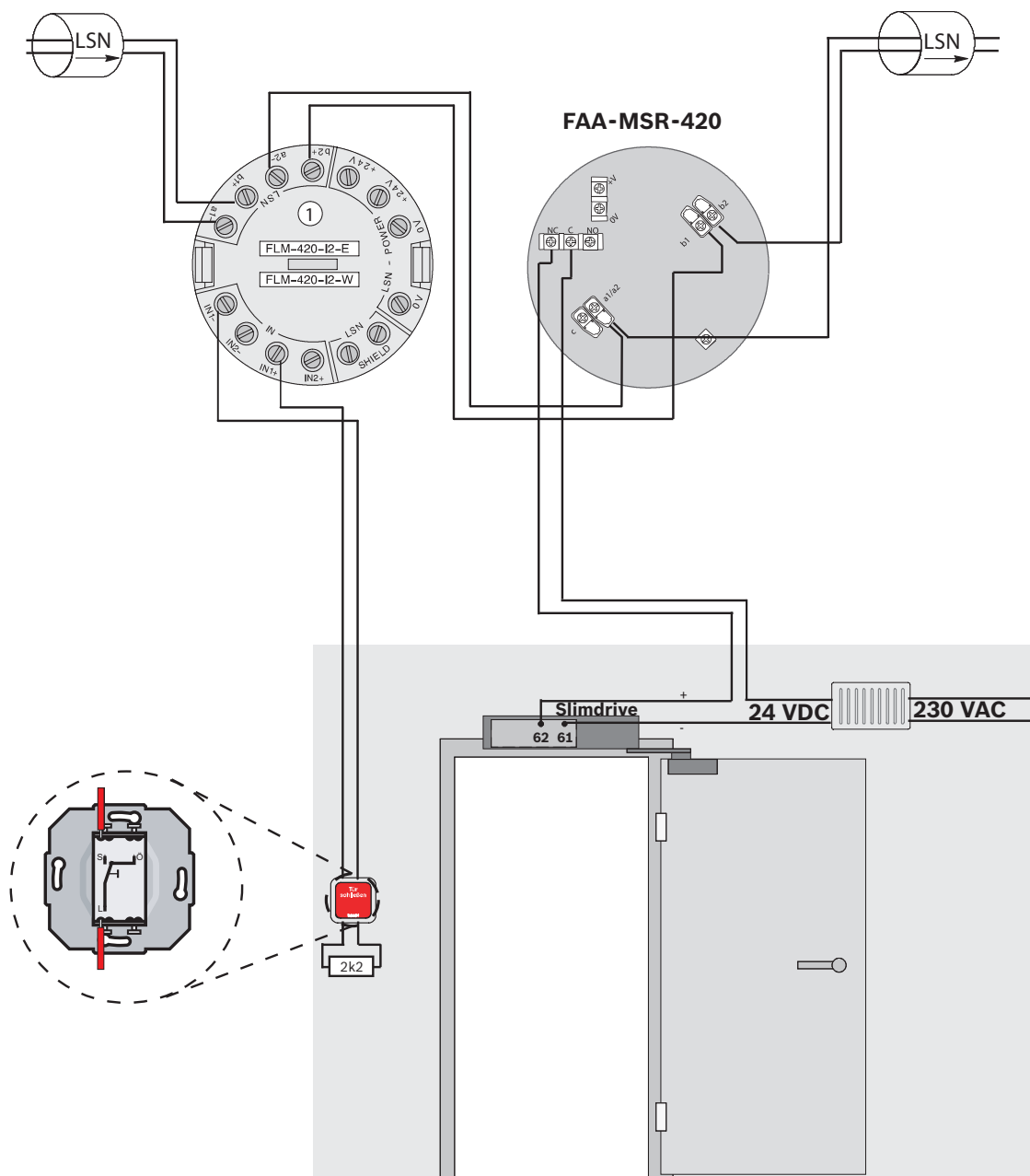


**Slimdrive EMD-F/EMD F-IS****DIBT**



Slimdrive EMD-F/EMD F-IS

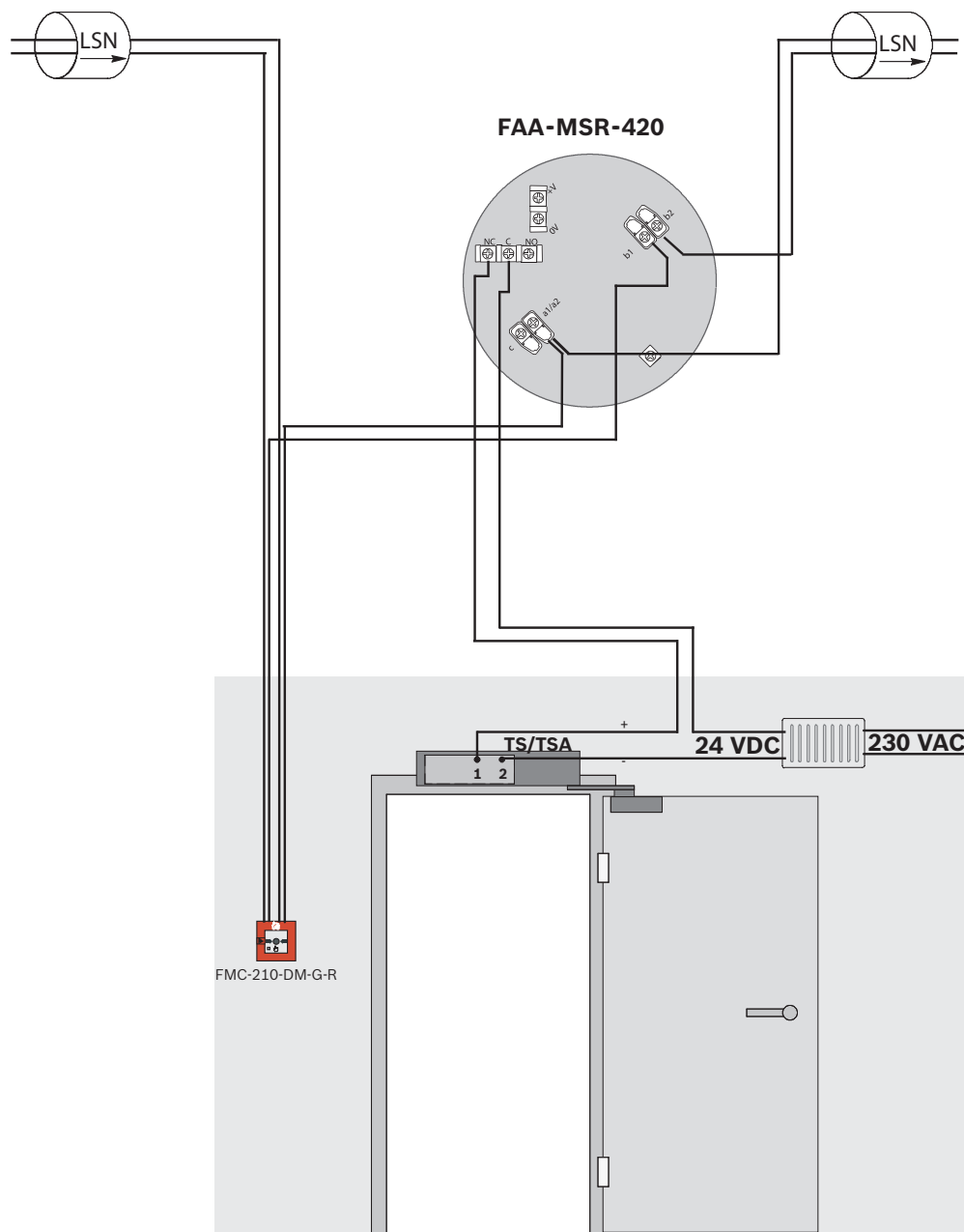
DIBT





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

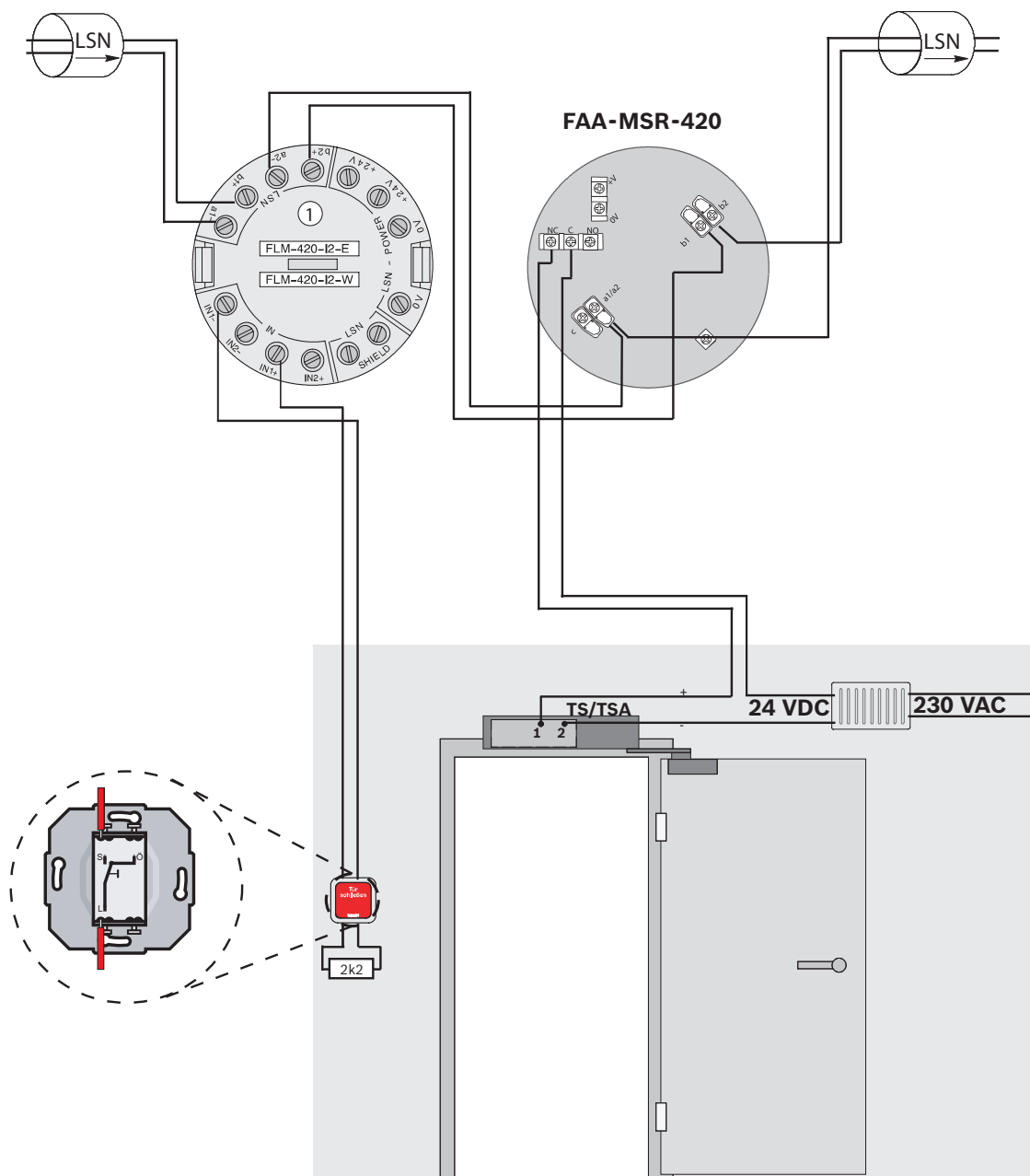
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TS 5000 E/E-IS/E-ISM
TS 550 E
TSA 160 NT F/F-IS/F-IS/TS

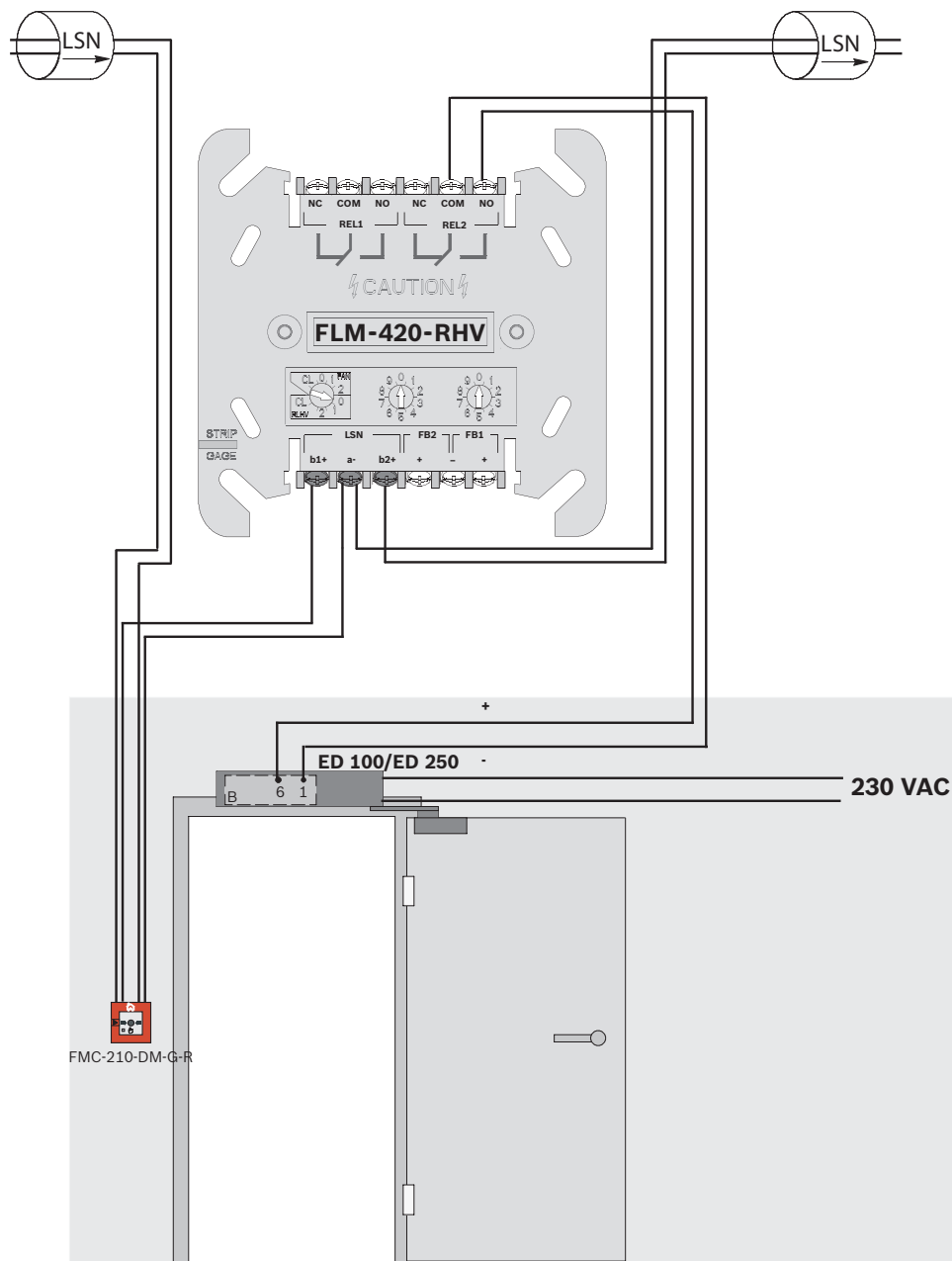
DIBT





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

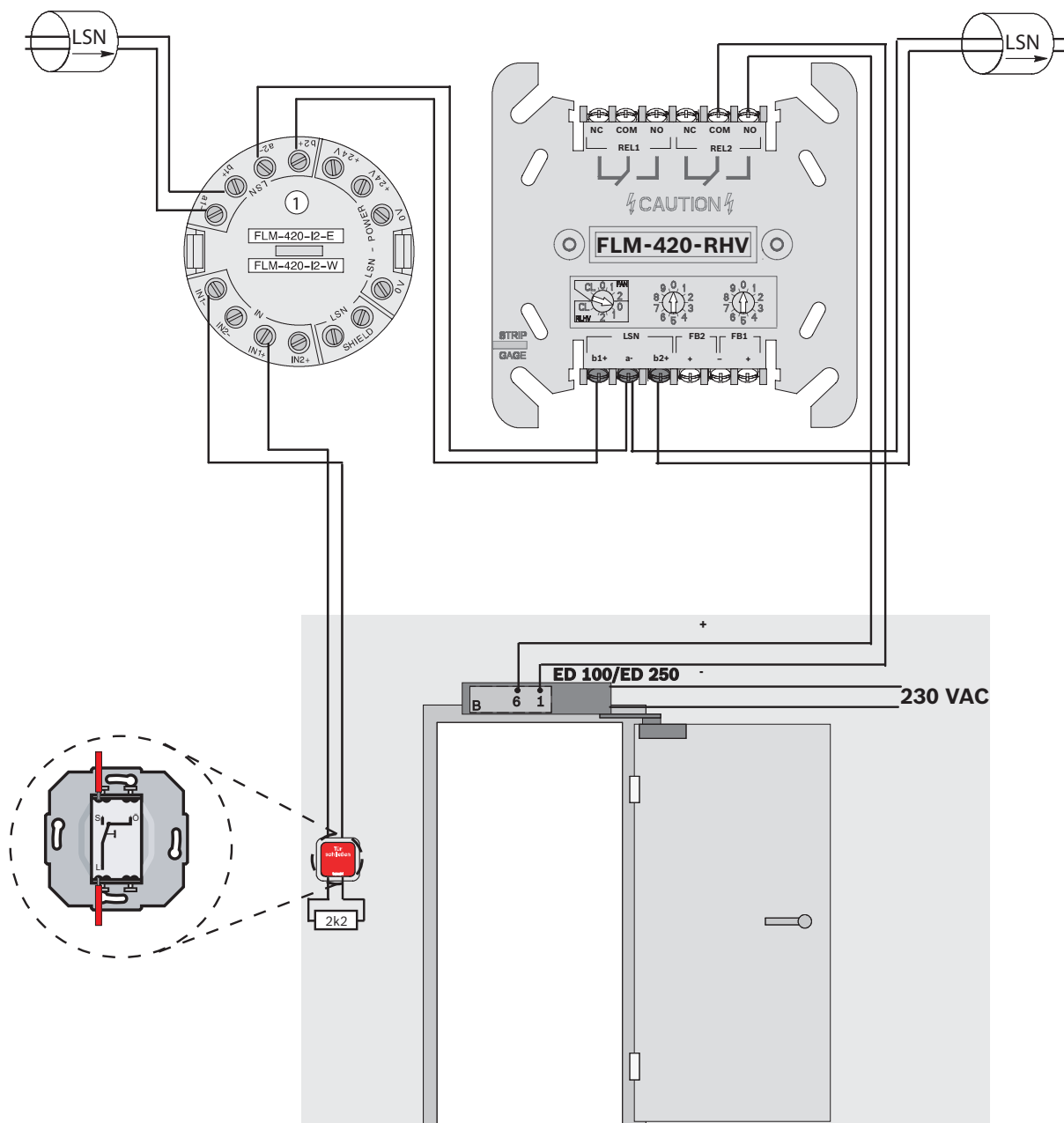
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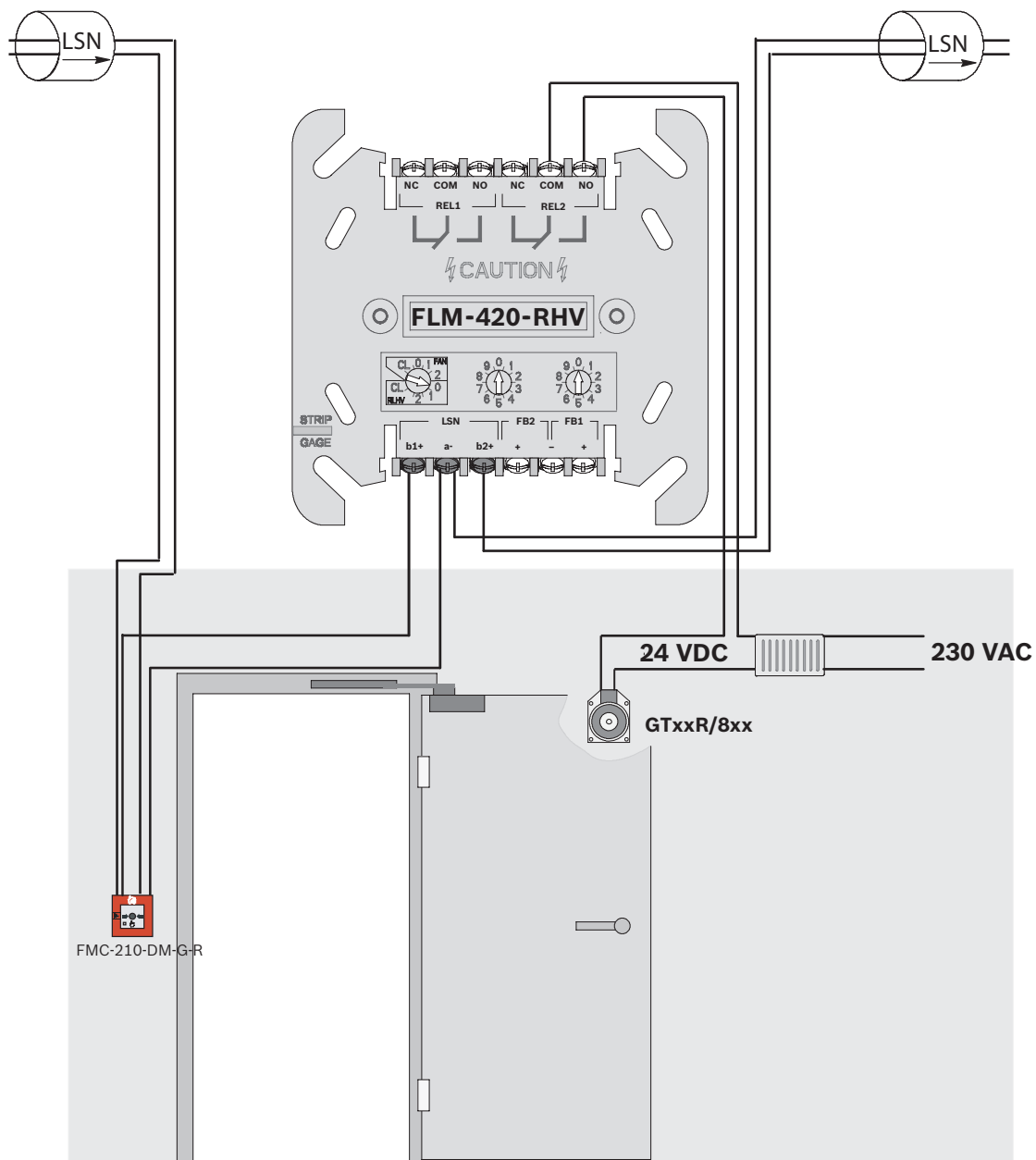
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ED 250
(+Upgrade Card B)**

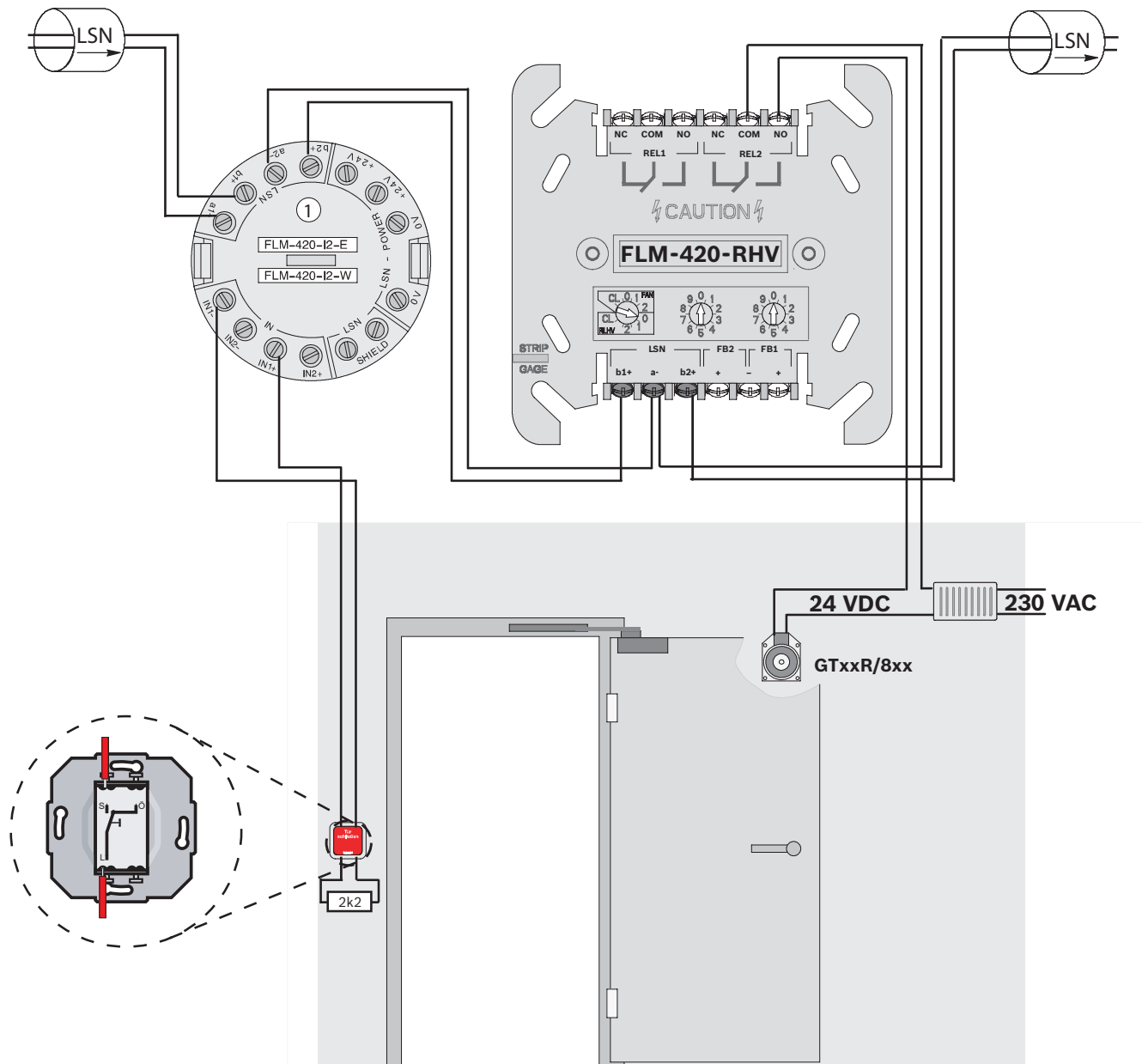
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DIBT

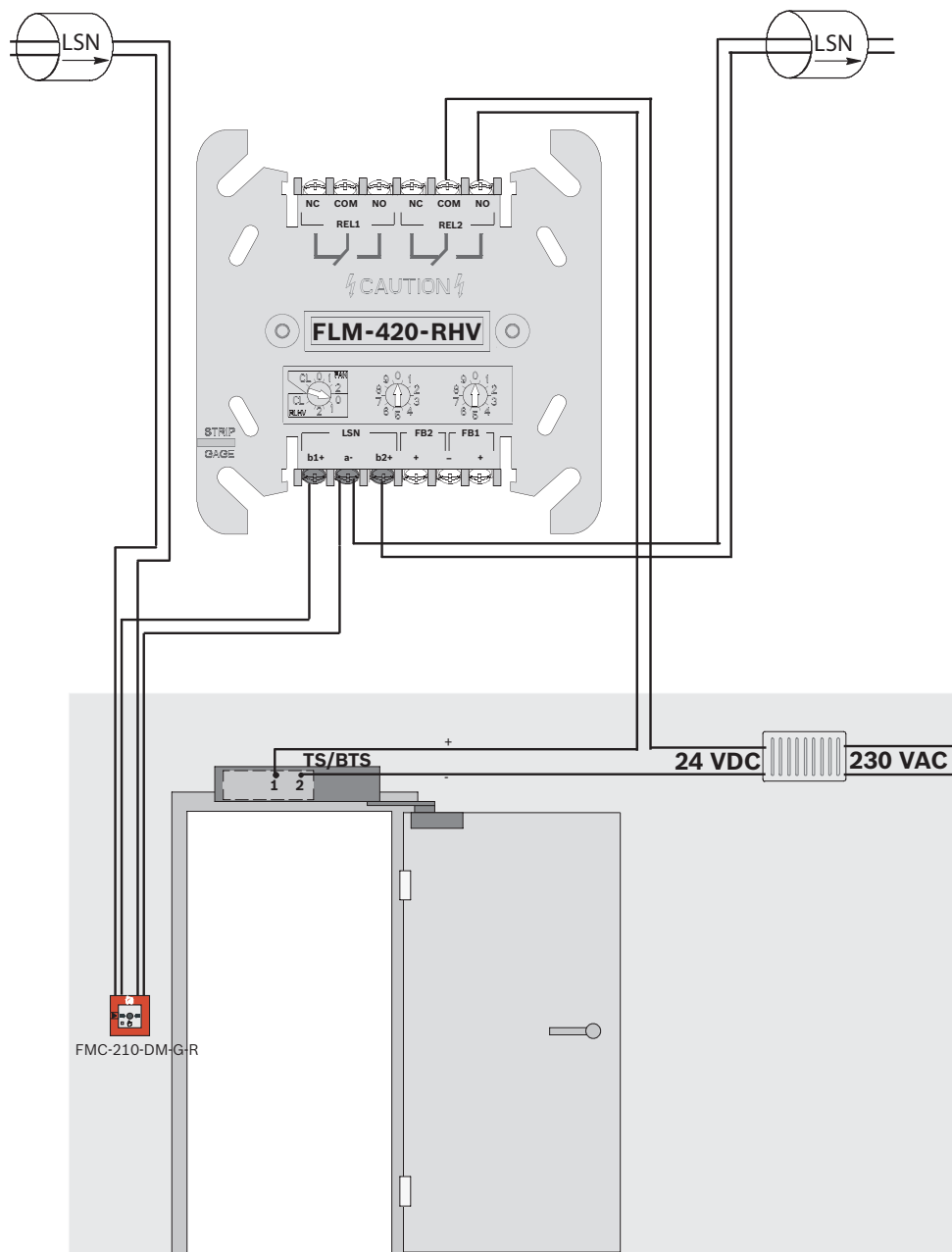


**DIBT**



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

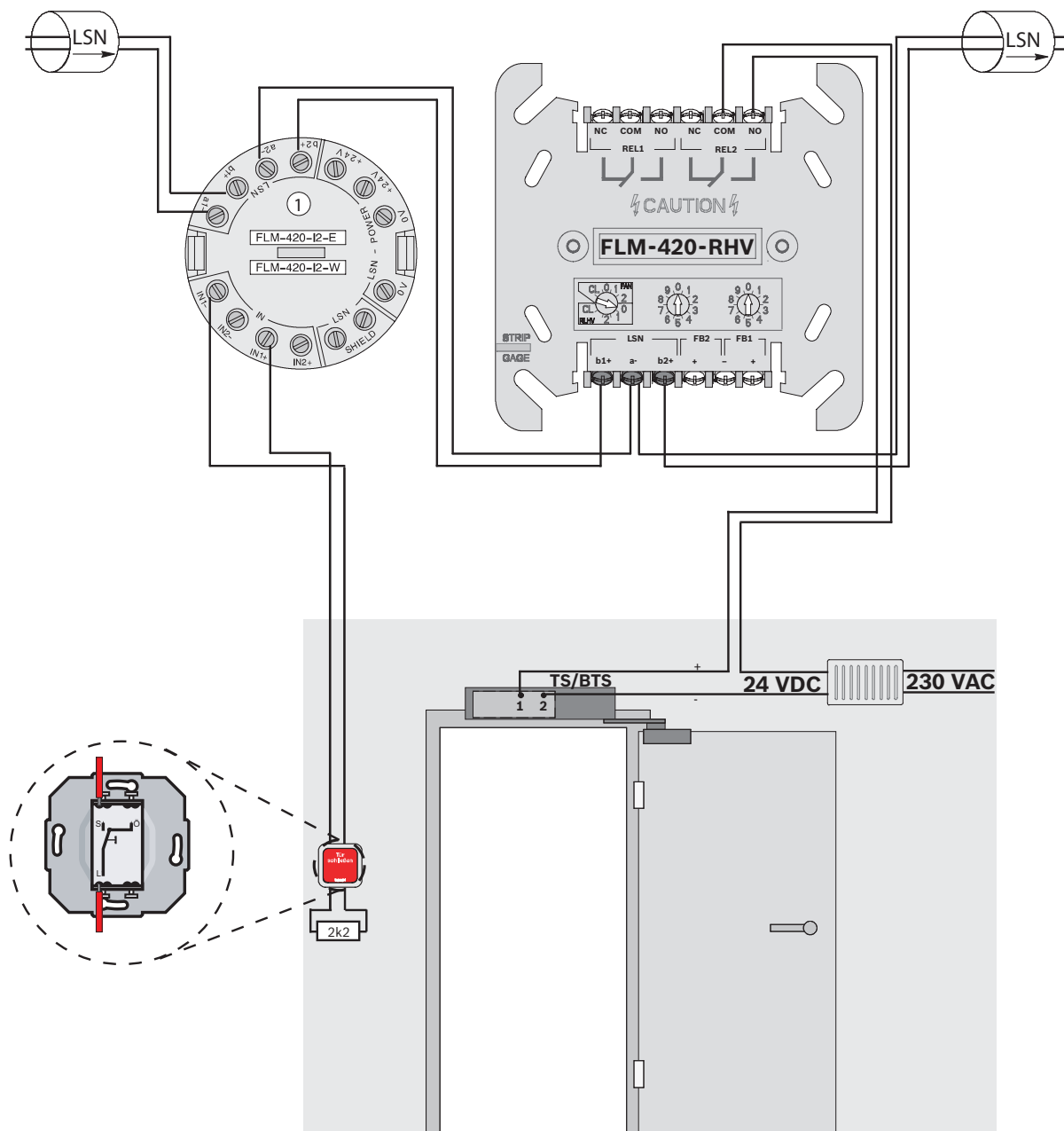
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TS 93 EMF
TS 93 GSR
BTS 80 EMB
BTS 80 FLB

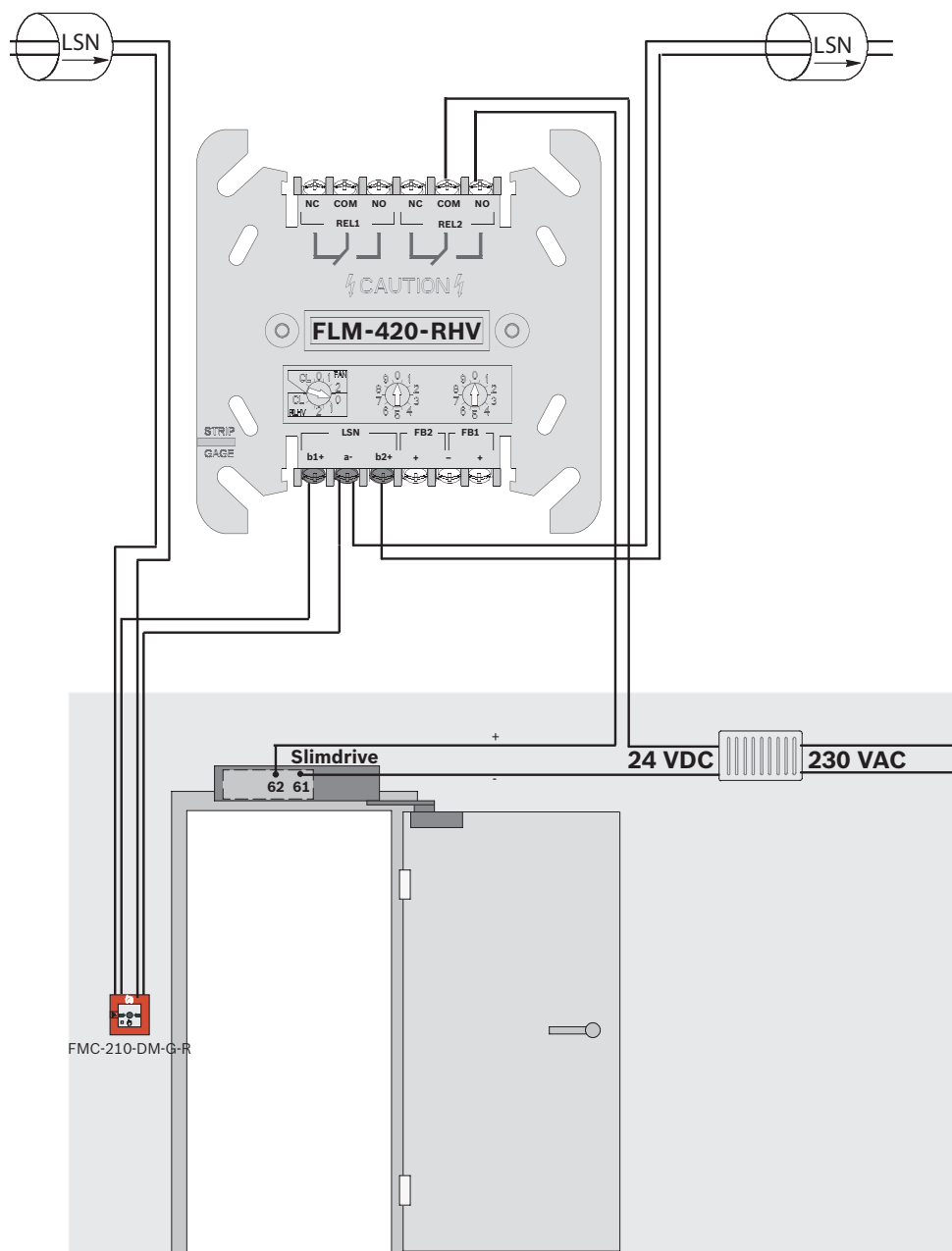
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Slimdrive EMD-F/EMD F-IS

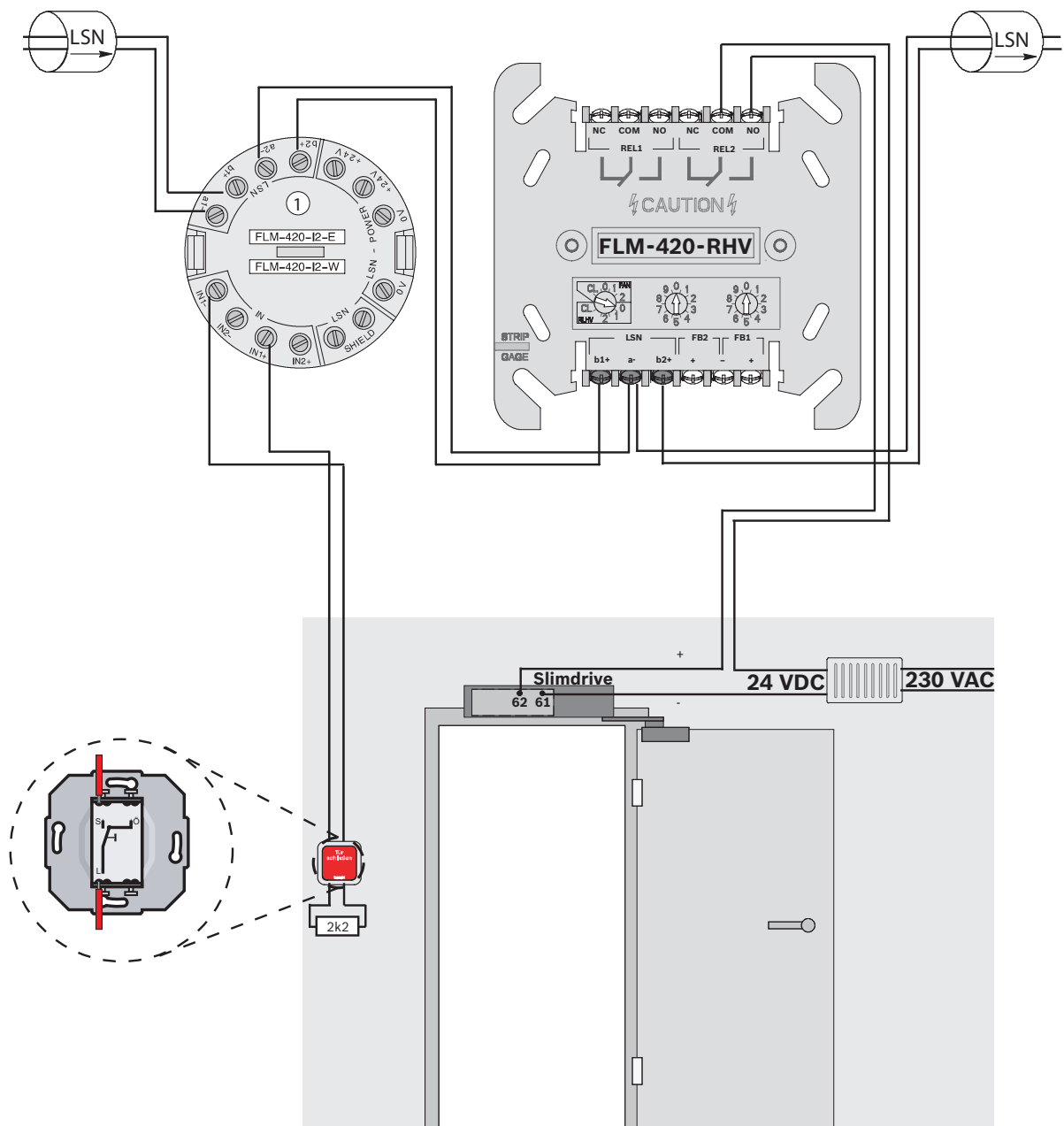
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Slimdrive EMD-F/EMD F-IS

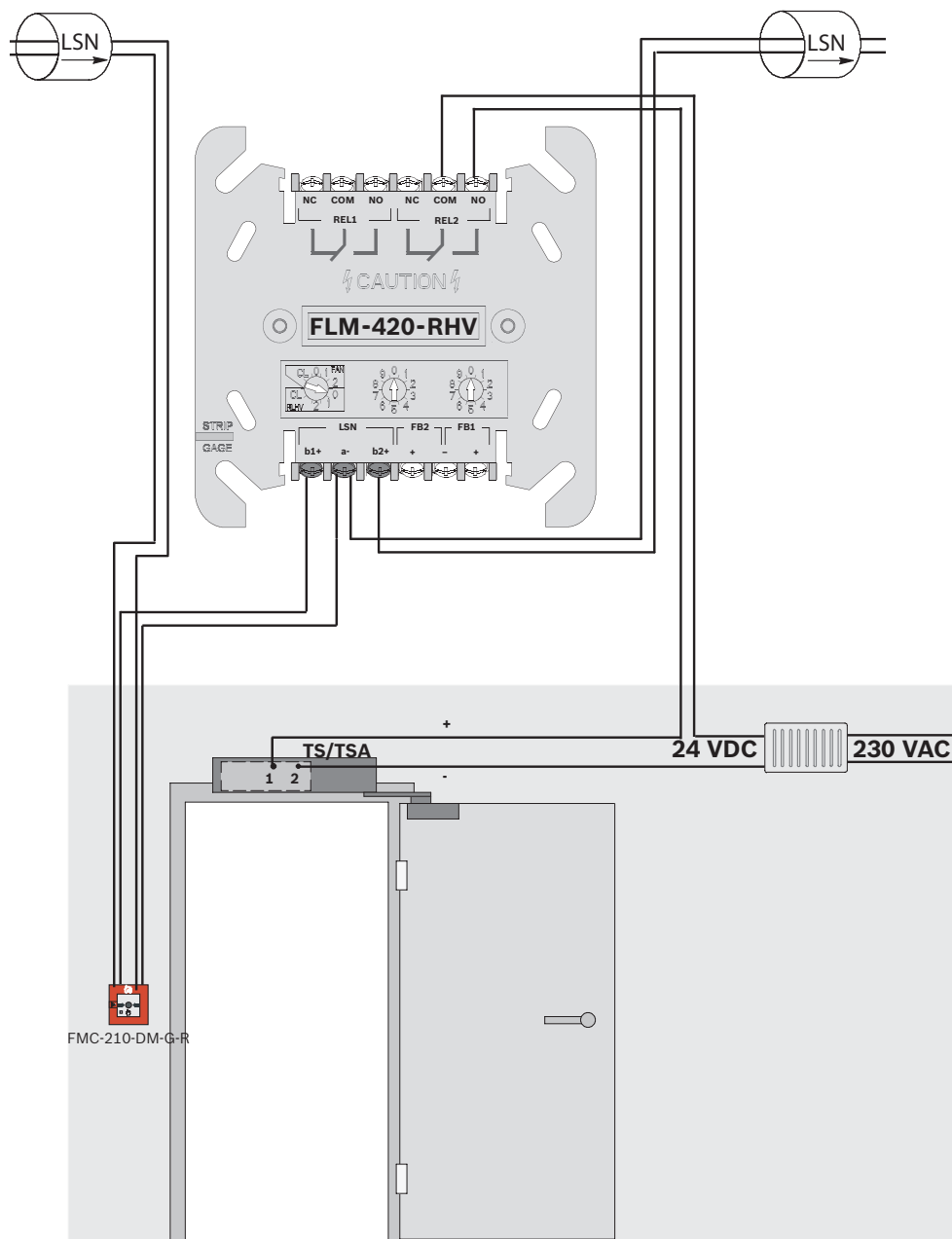
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TS 5000 E/E-IS/E-ISM
TS 550 E
TSA 160 NT F/F-IS/F-IS/TS

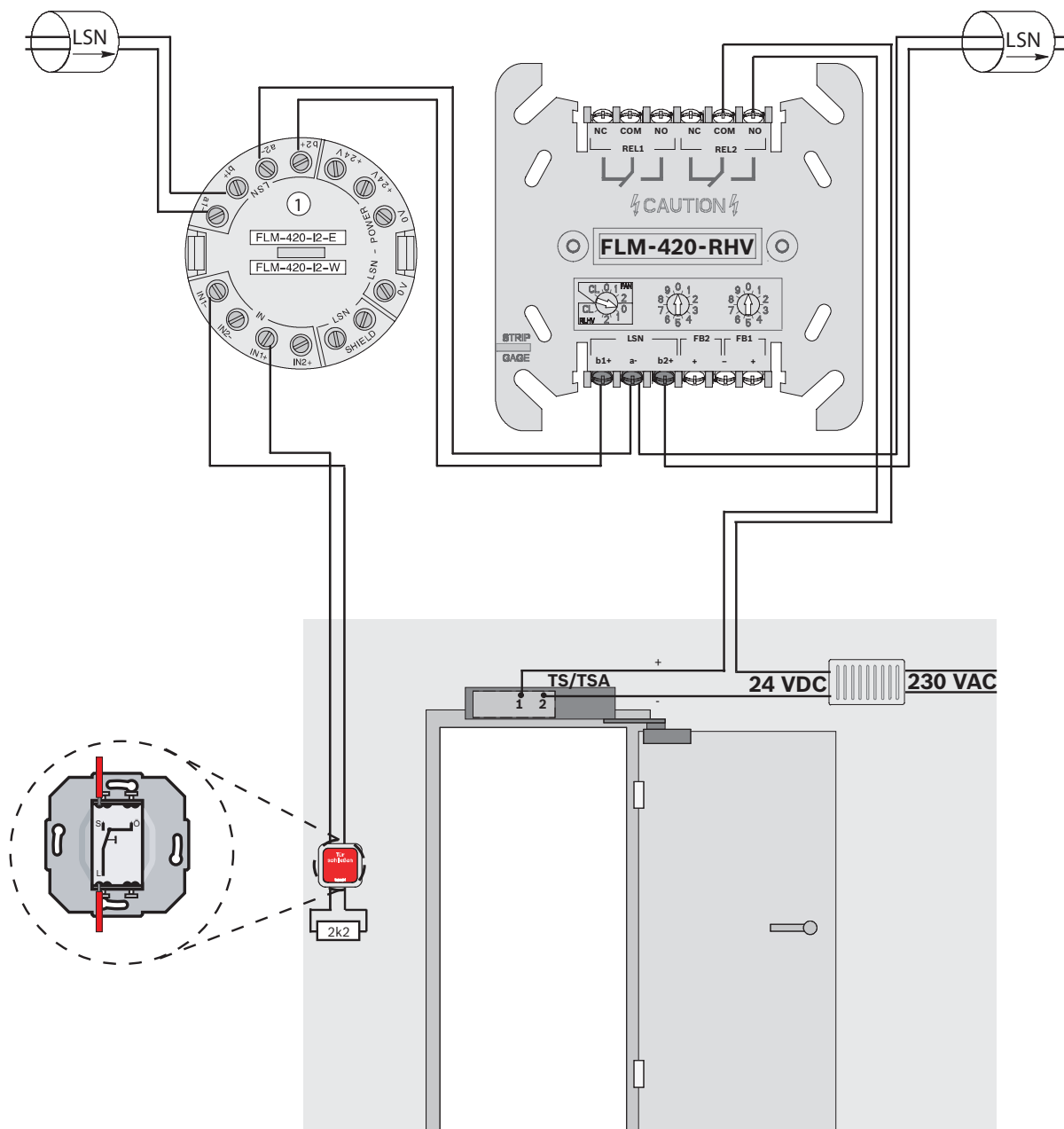
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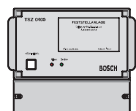




TS 4000 E/E-IS/EFS
TS 5000 E/E-IS/E-ISM
TS 550 E
TSA 160 NT F/F-IS/F-IS/TS

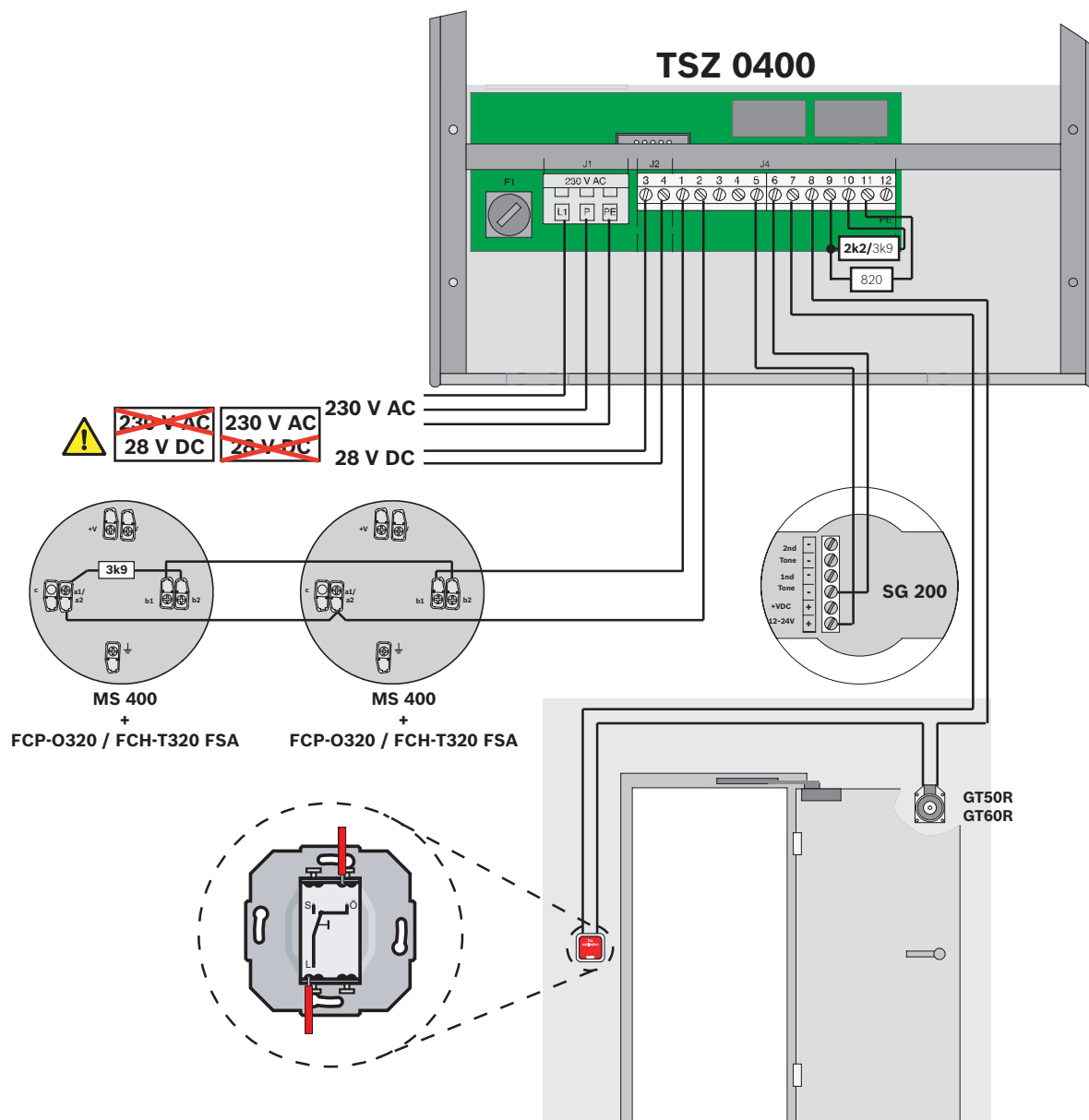
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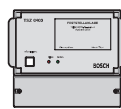
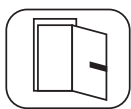




TSZ 0400

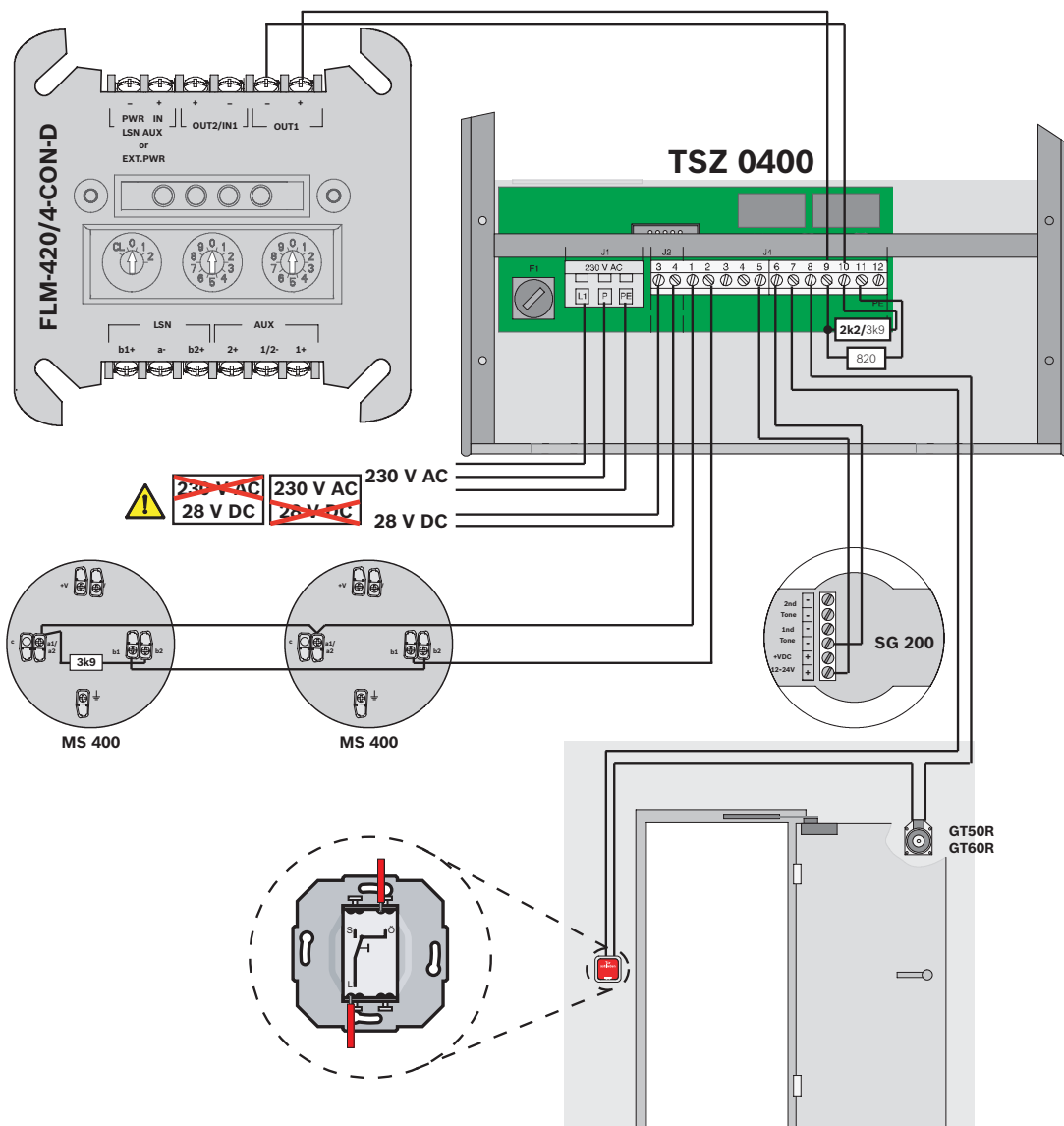
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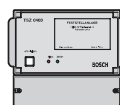
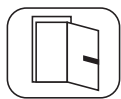




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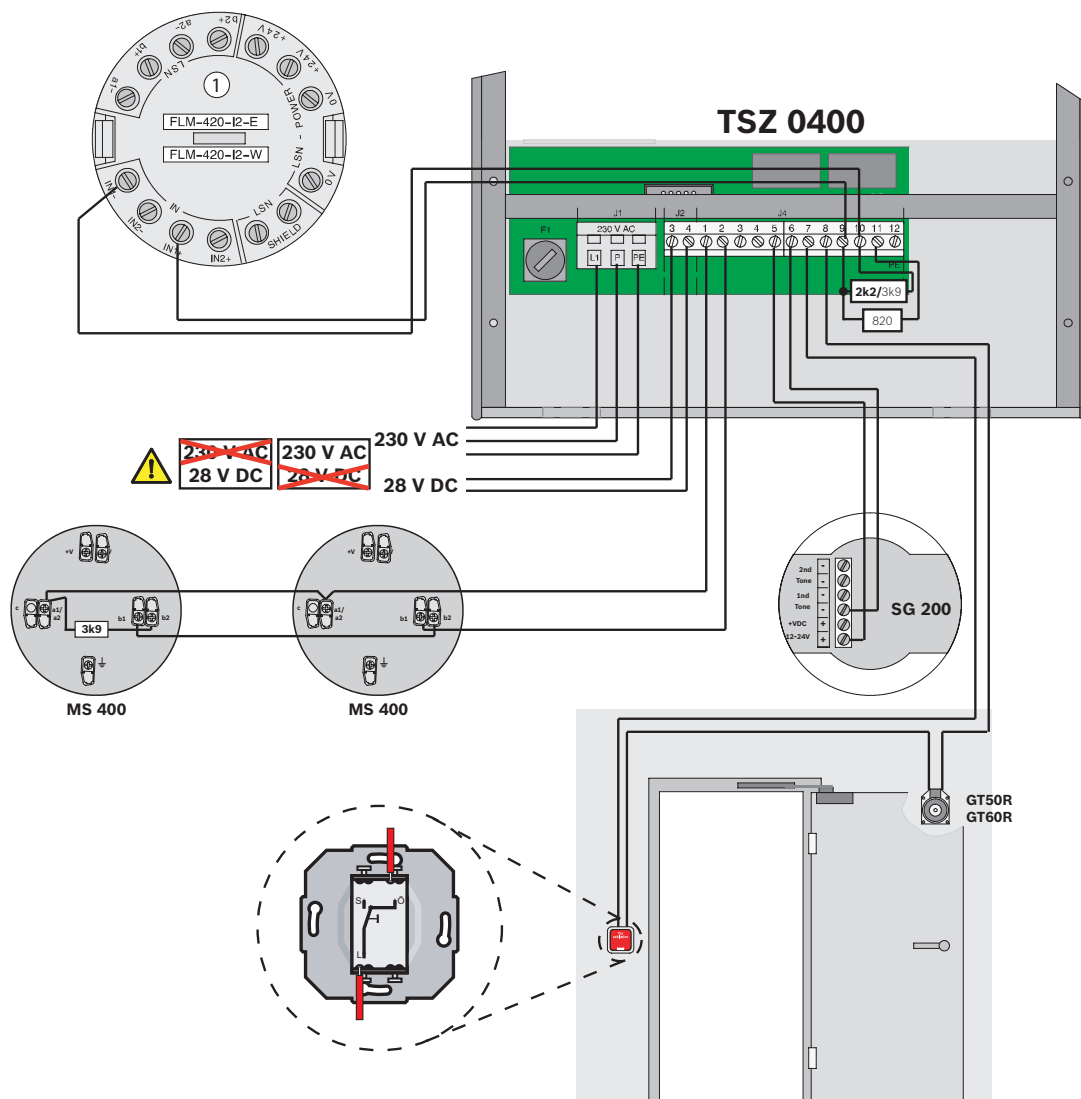
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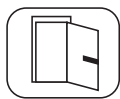




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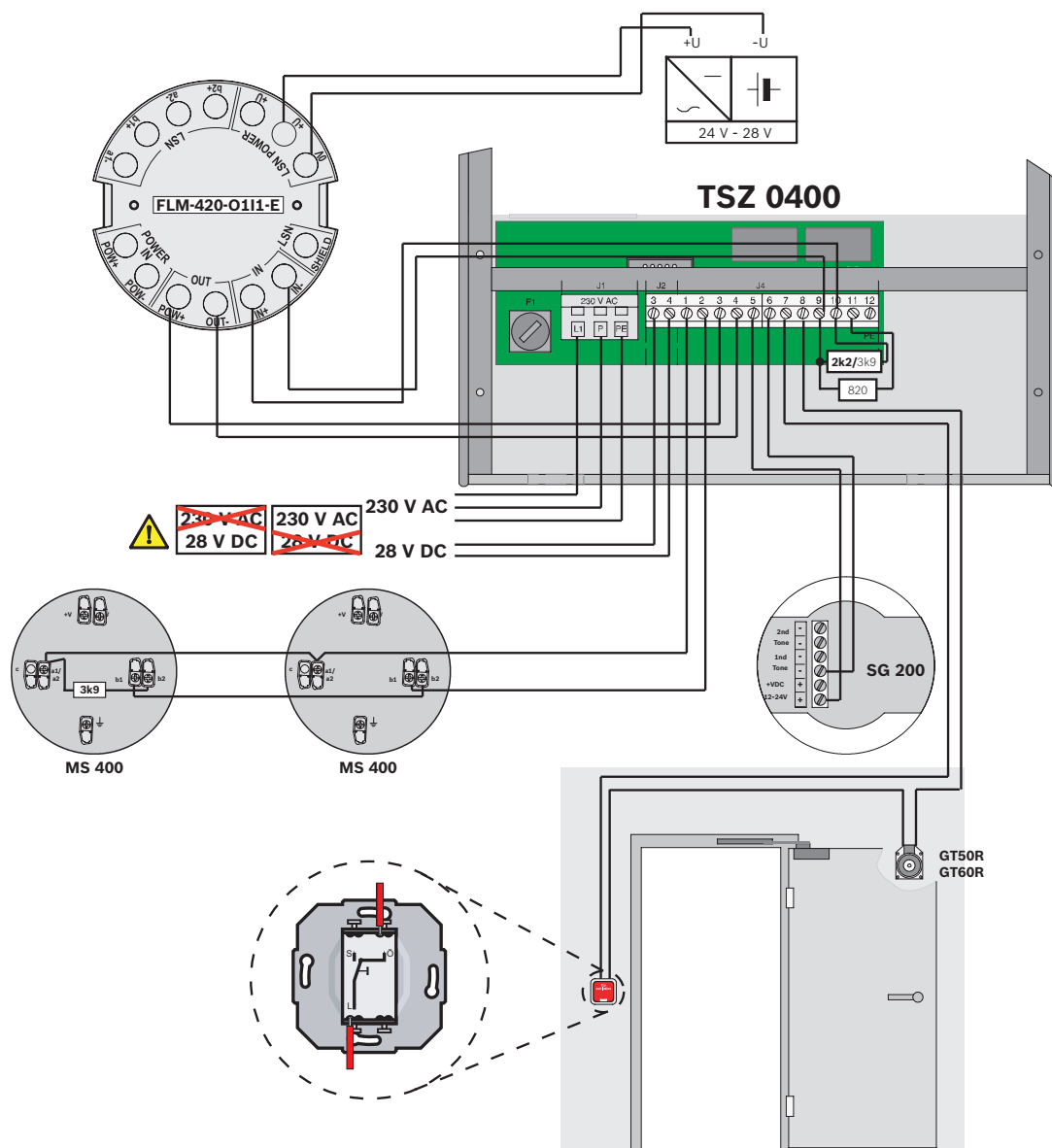
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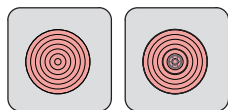




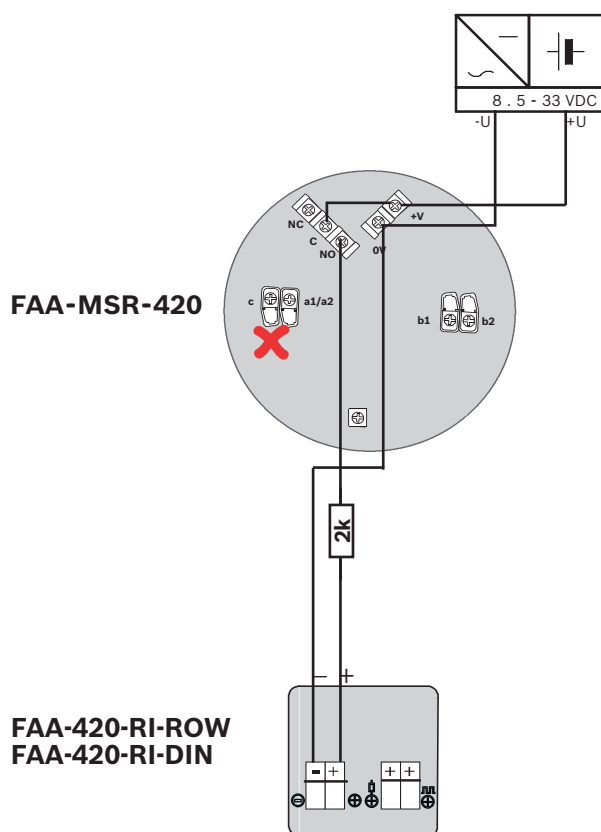
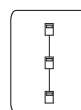
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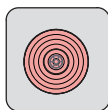
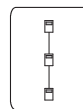
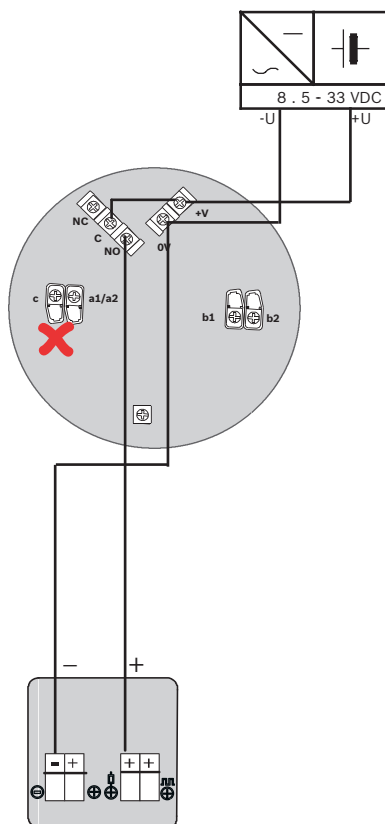
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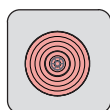
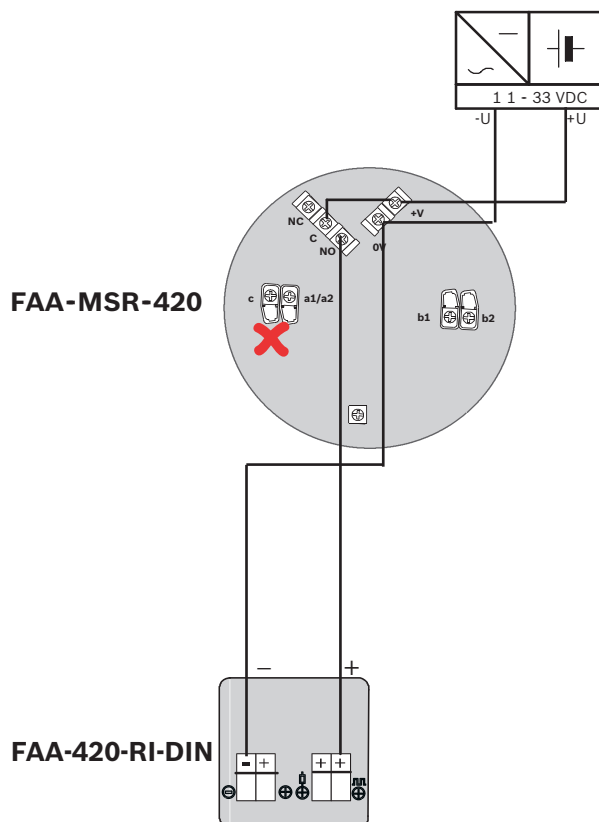
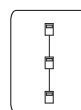




FAA-420-RI-ROW
FAA-420-RI-DIN



**FAA-420-RI-DIN****FAA-MSR-420****FAA-420-RI-DIN**

**FAA-420-RI-DIN**

3.3 Moduli funzionali



BCM-0000-B, pagina 49

CZM 0004 A, pagina 51

ENO 0000 A/B, pagina 55

LSN 0300 A, pagina 62

NZM 0002 A, pagina 97

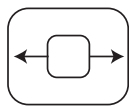
RMH 0002 A, pagina 113

IOS 0020 A, pagina 116

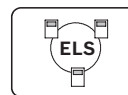
FPE-5000-UGM, pagina 131

3.3.1

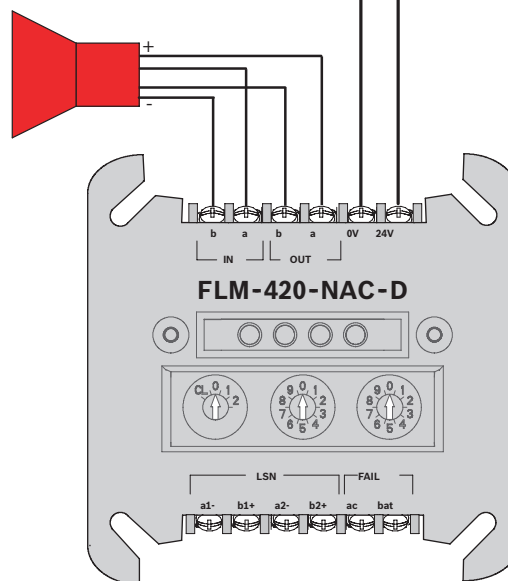
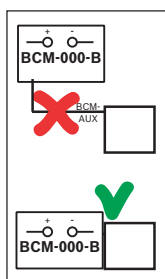
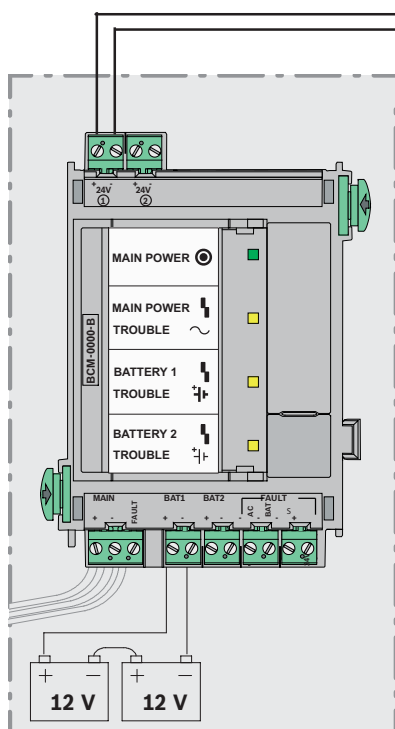
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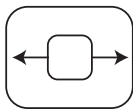


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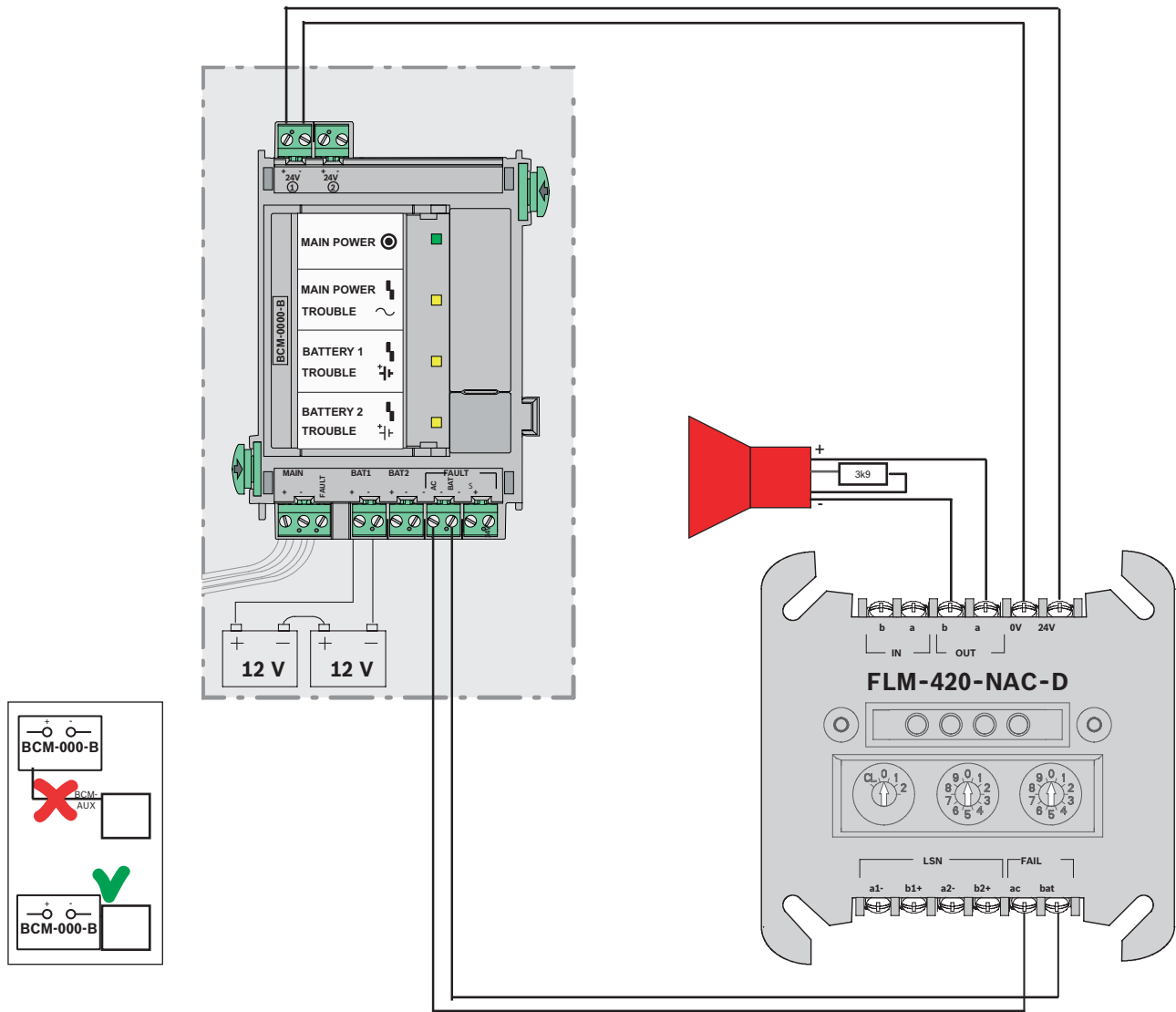
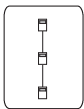


VdS 2489





FLM-420-NAC-D

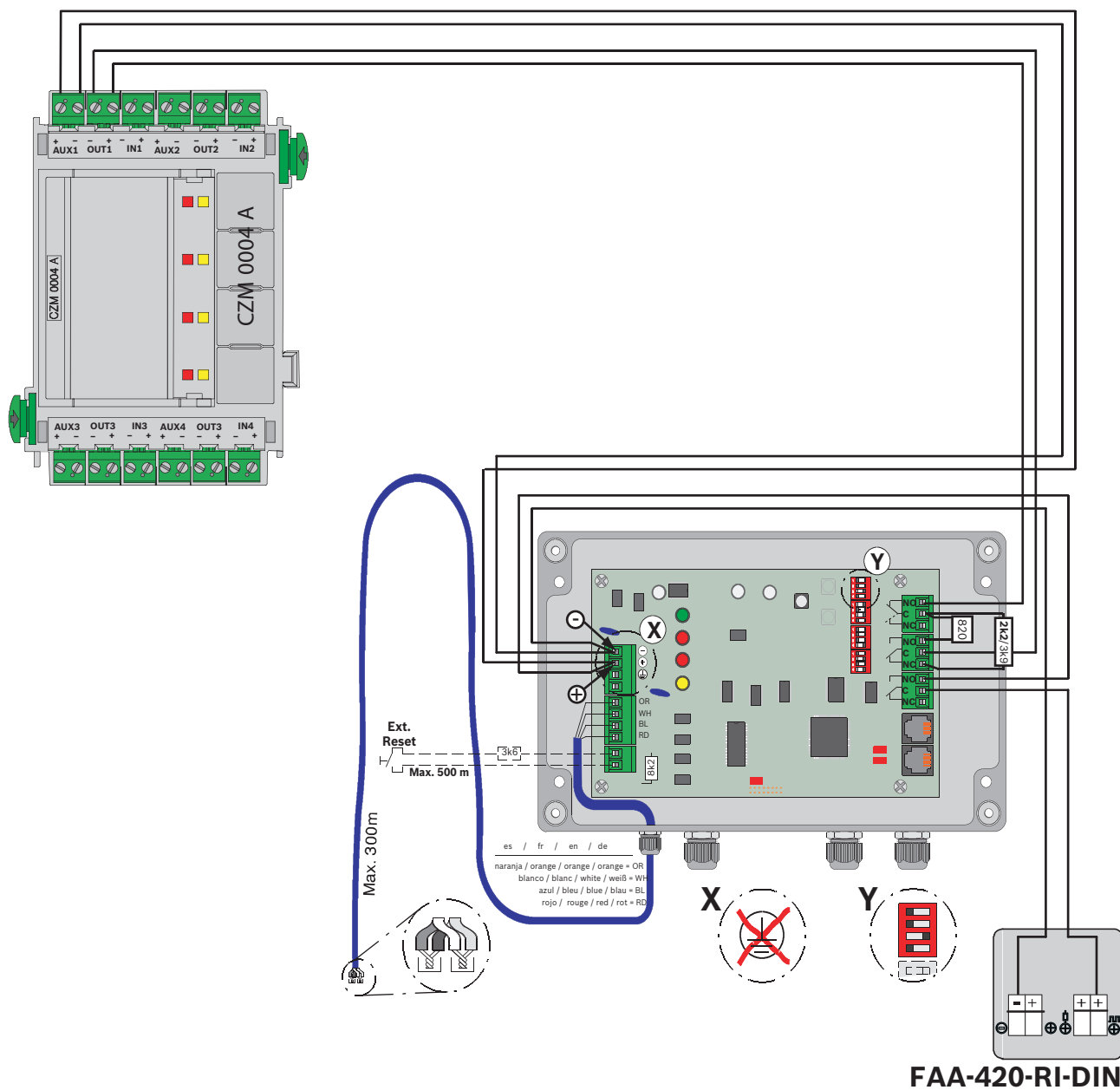


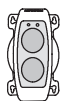
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CZM 0004 A

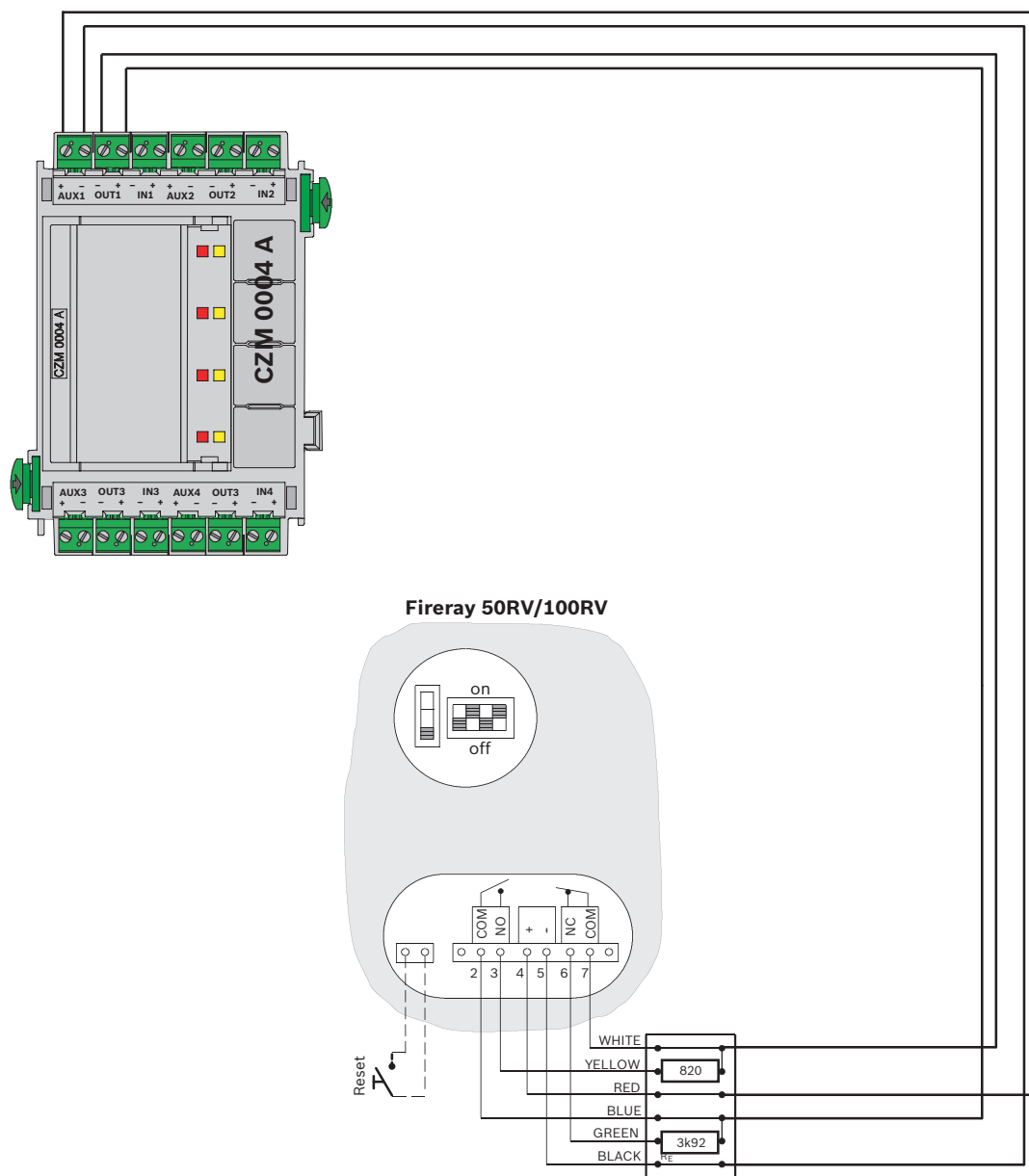


FCS-LWM-1



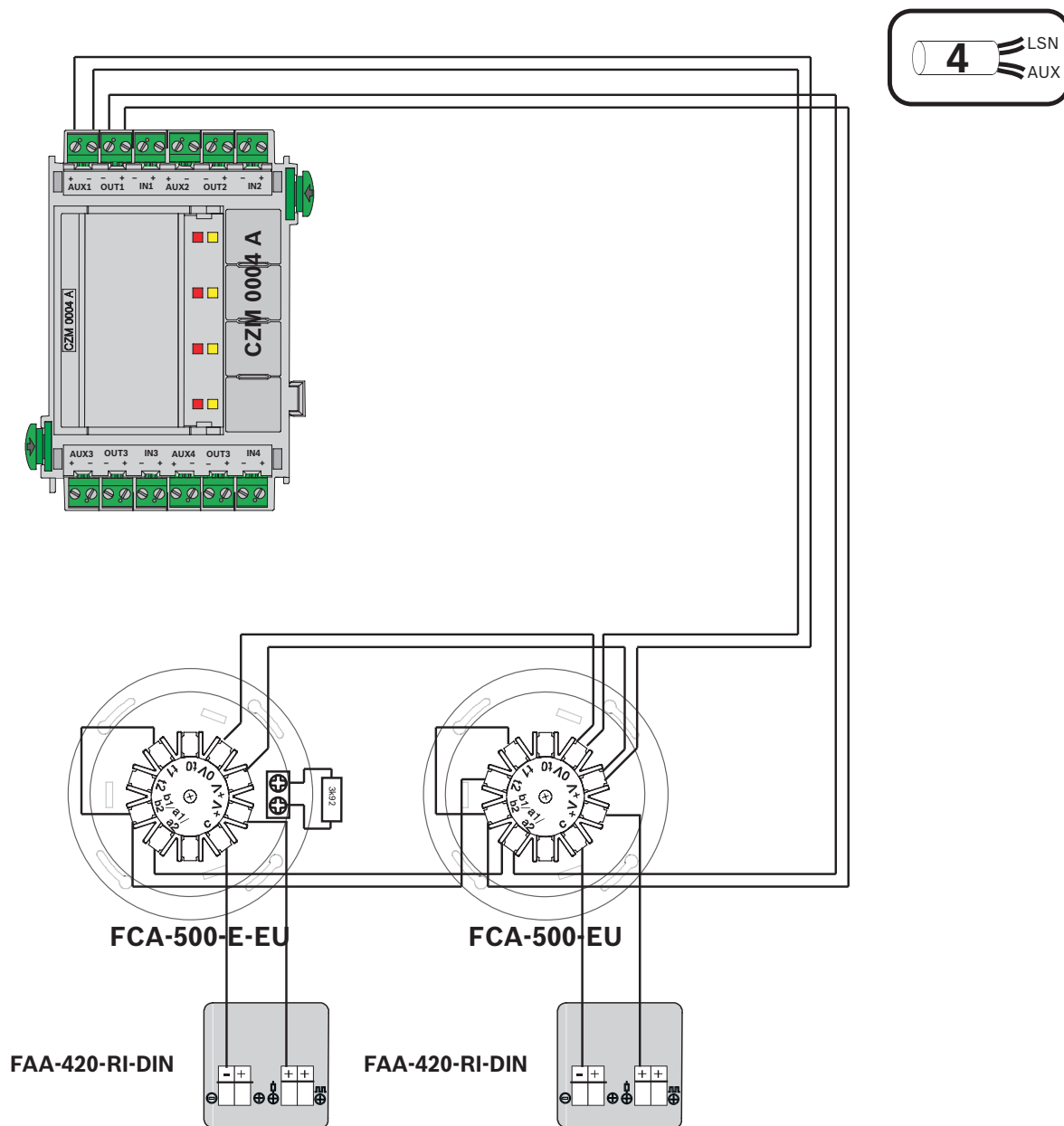
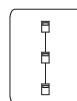


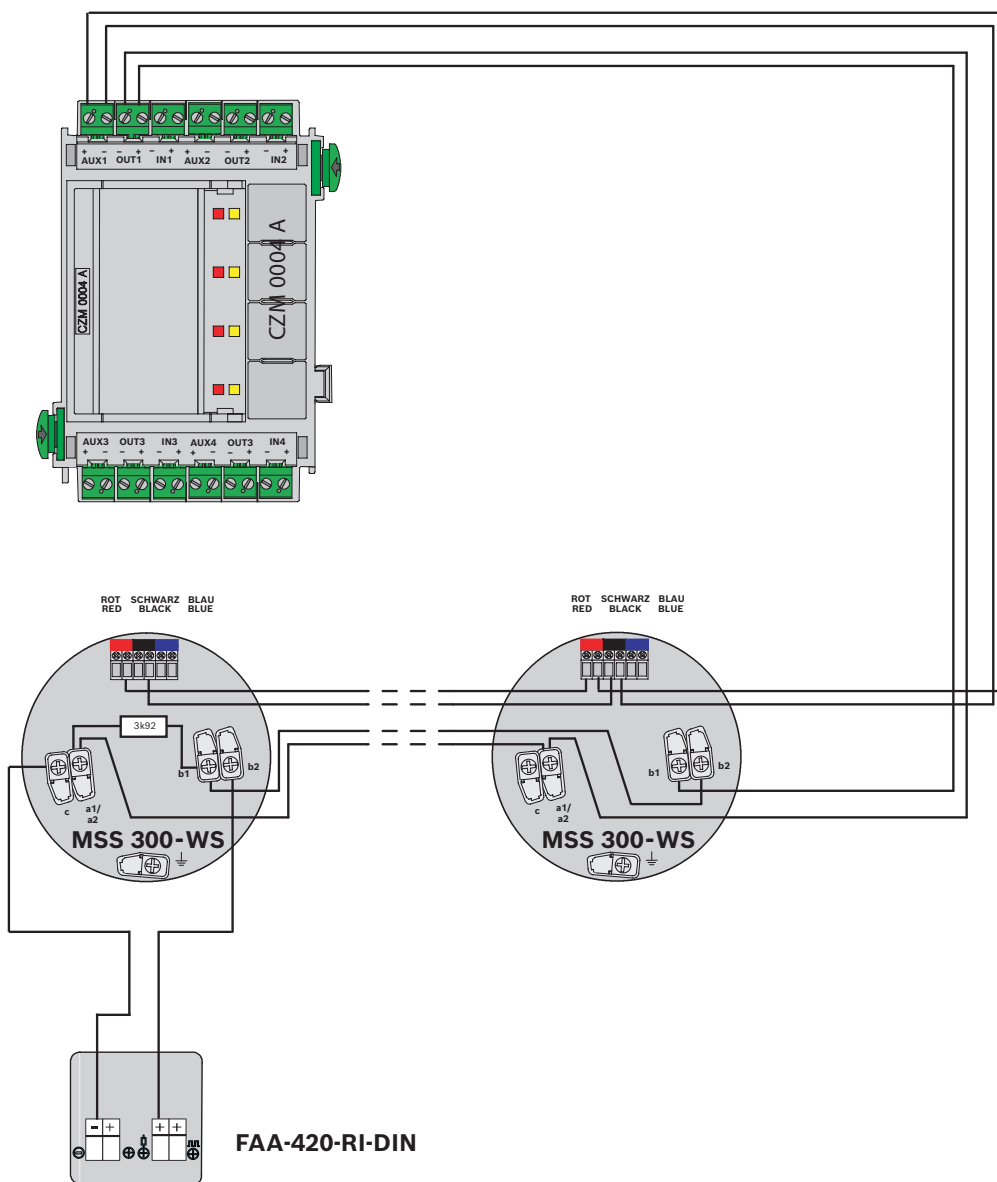
Fireray 50RV
Fireray 100RV





FCP-500



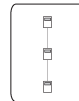
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3.3.3

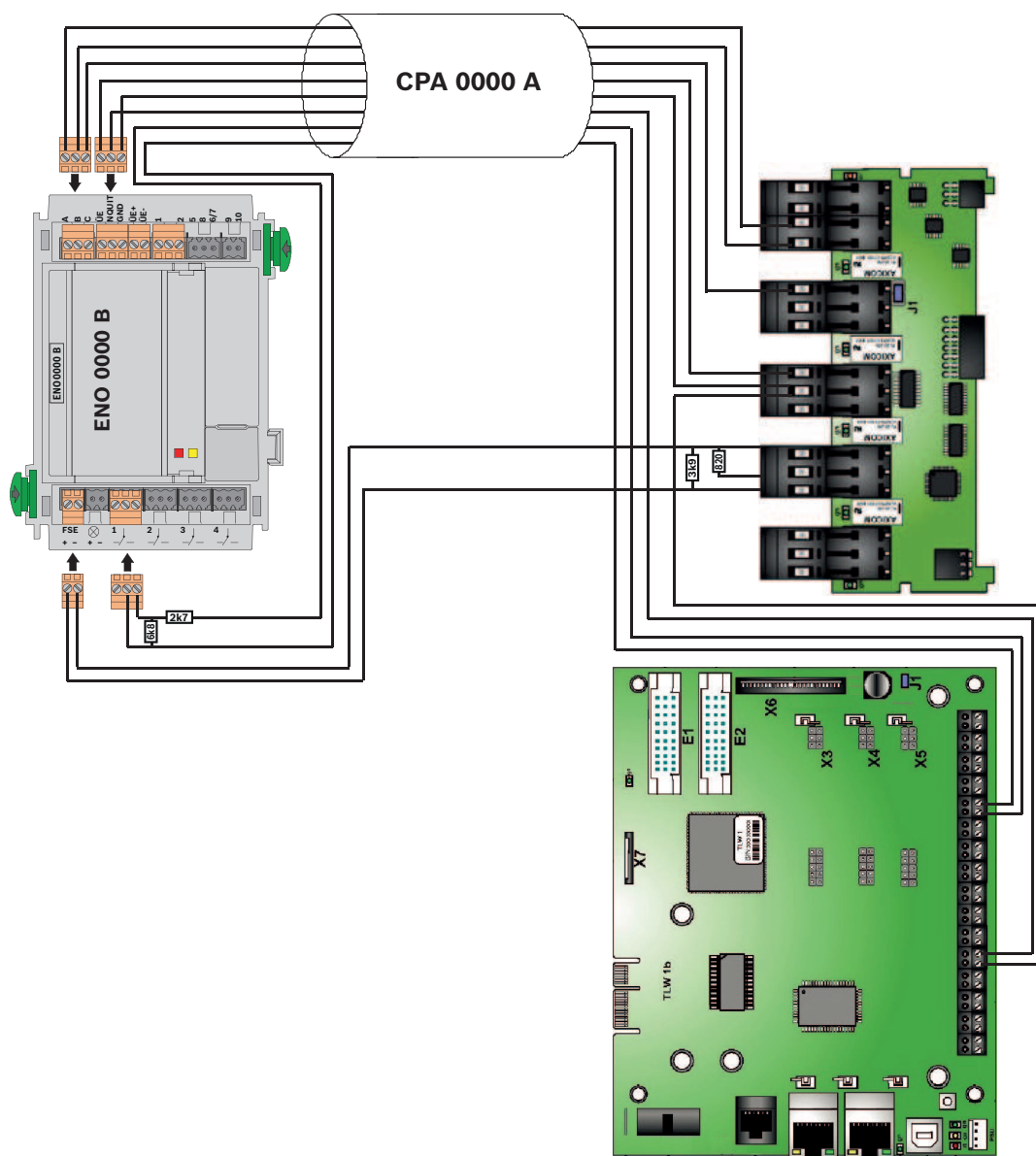
ENO 0000 A/B

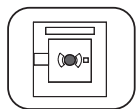
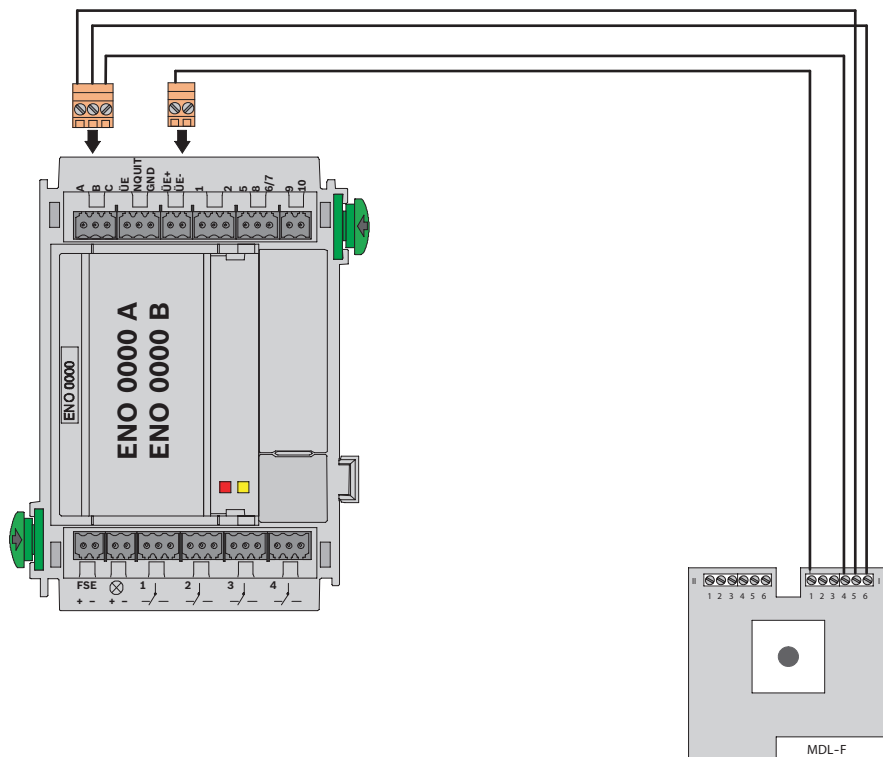


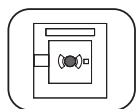
AT5000 IP/GPRS



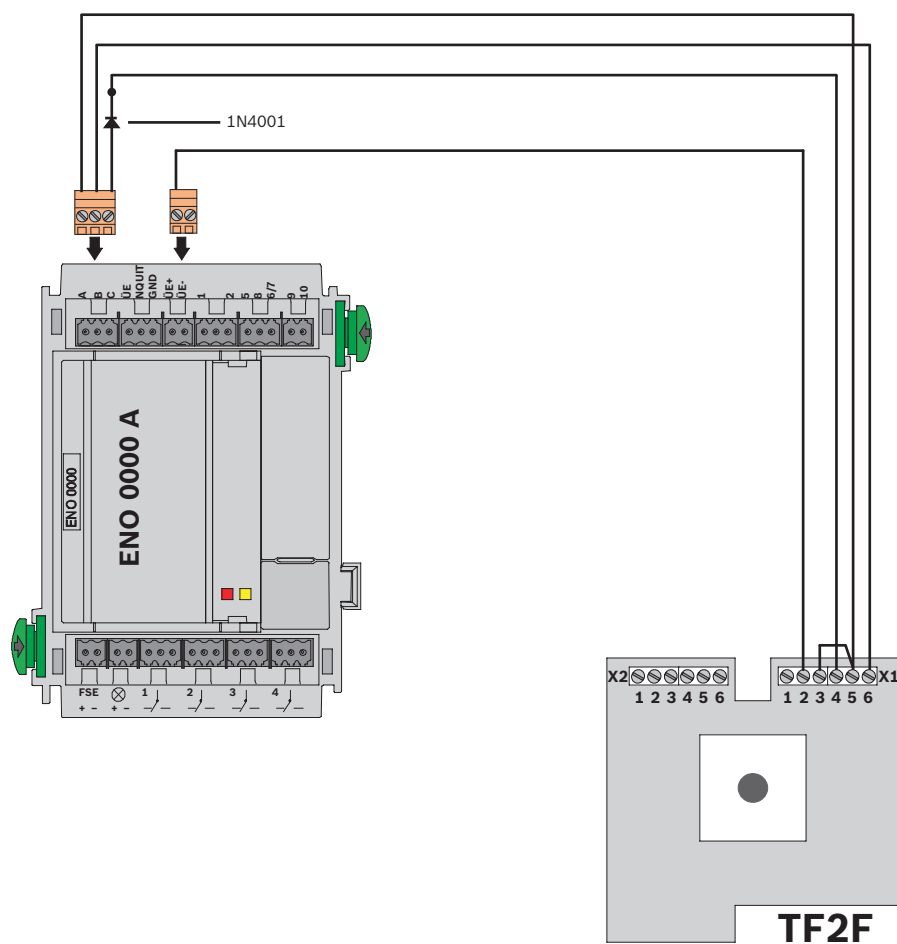
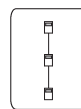
EN 54-2

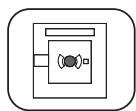


**MDL-F**

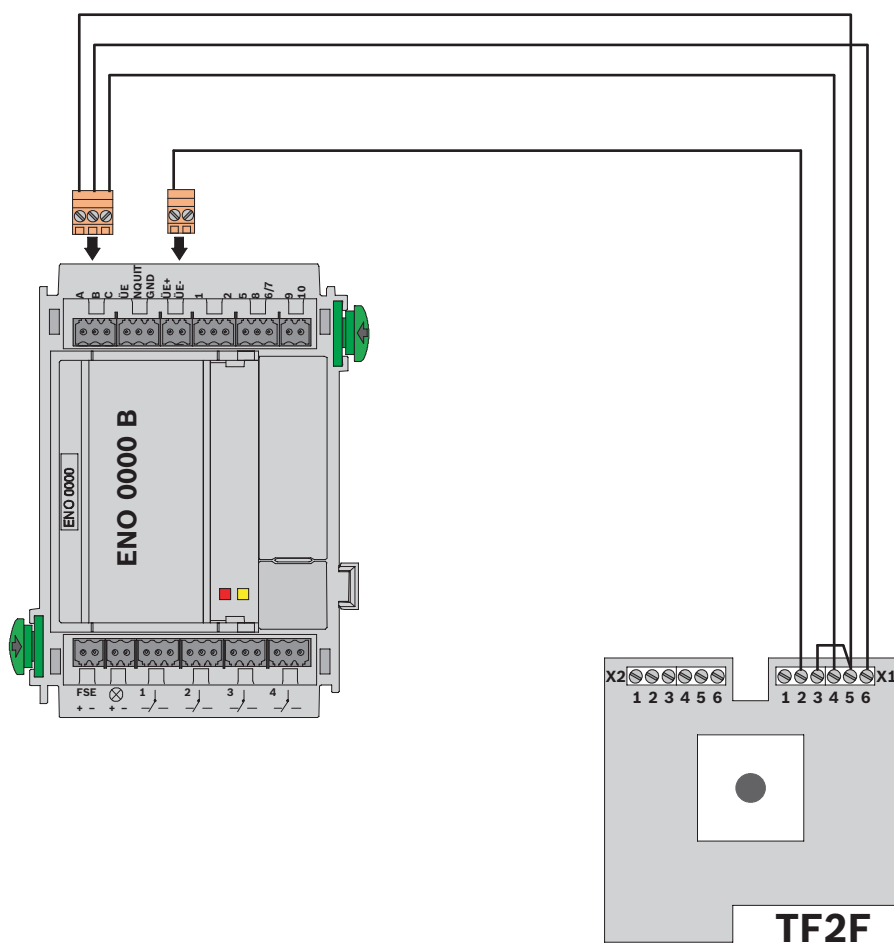
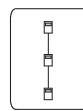


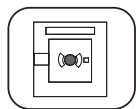
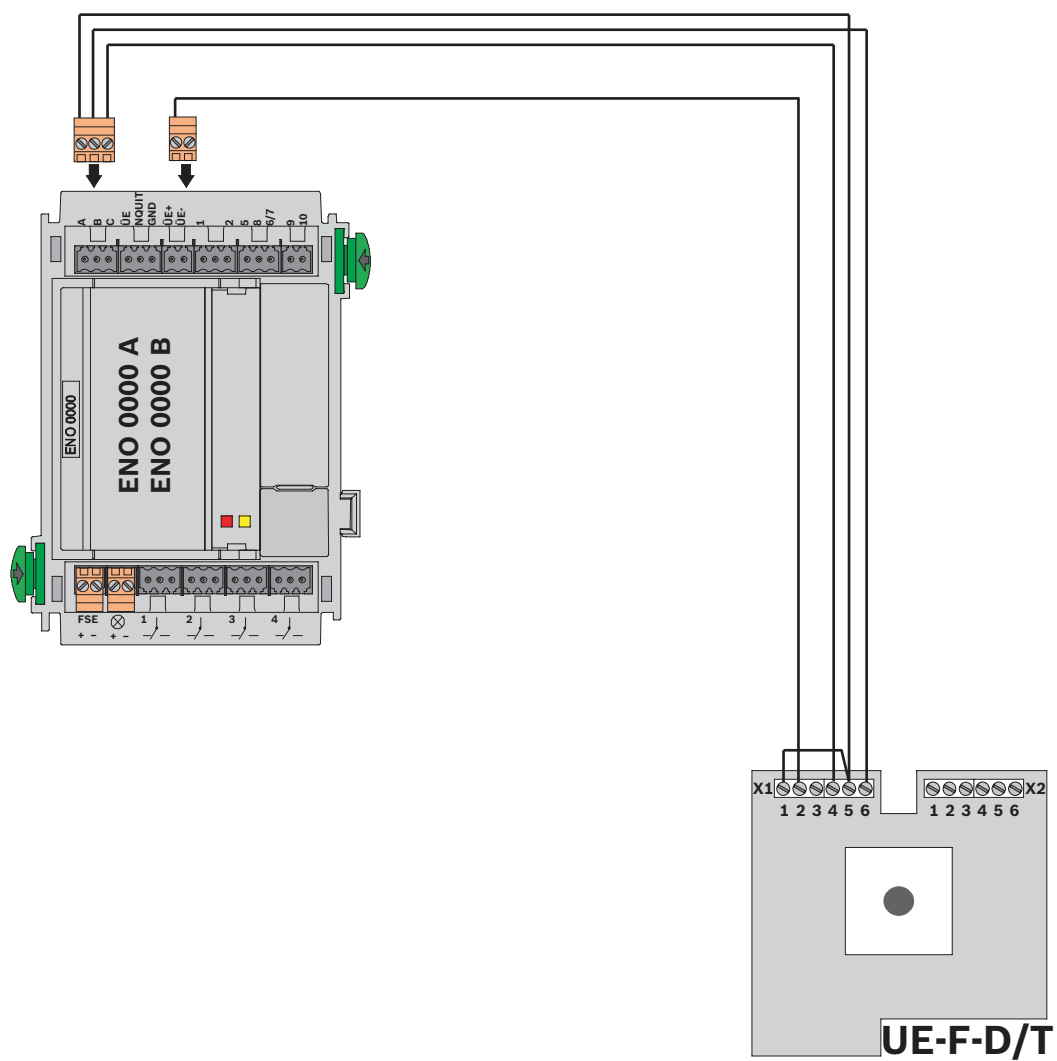
TF2F

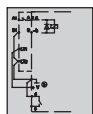
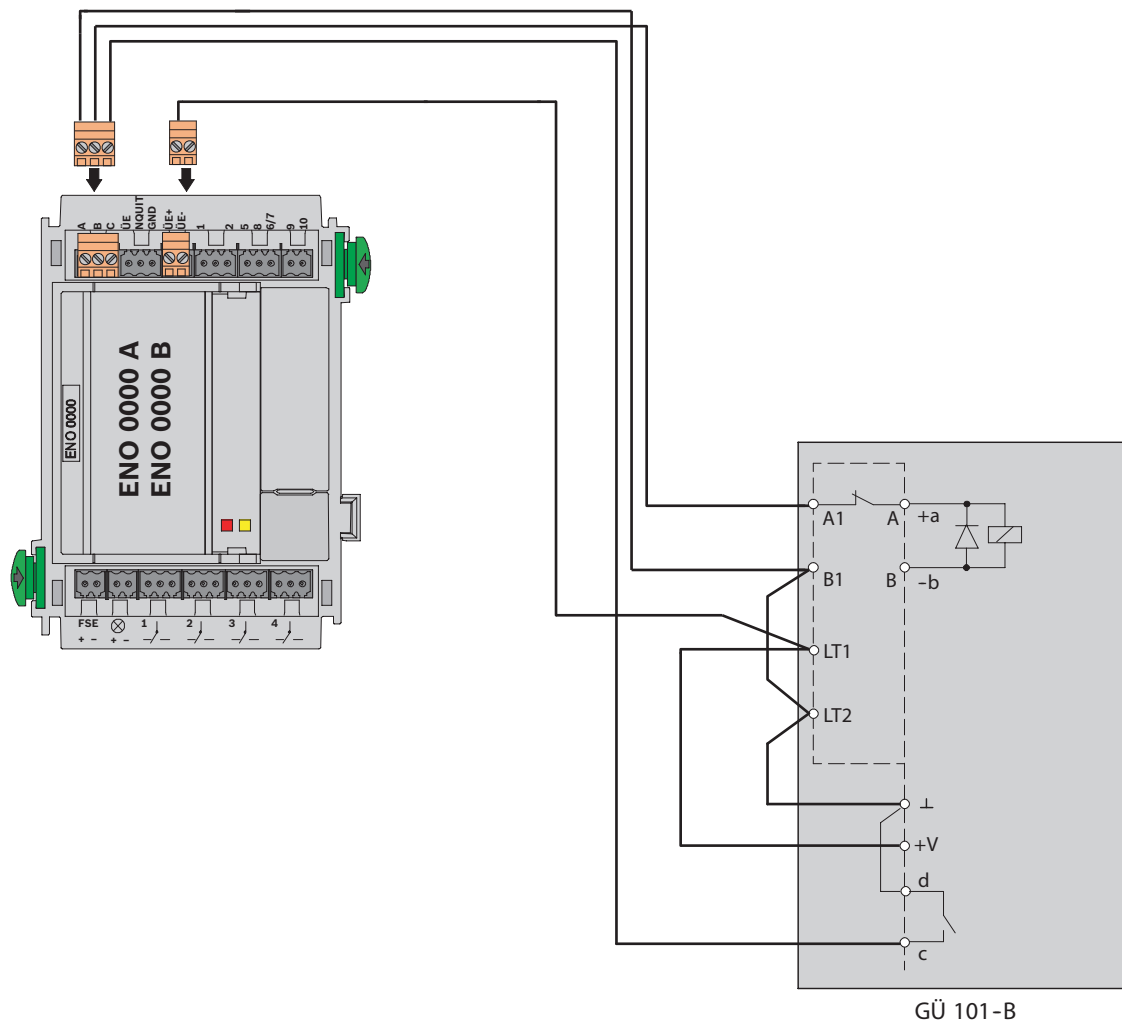
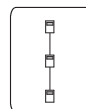


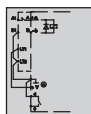
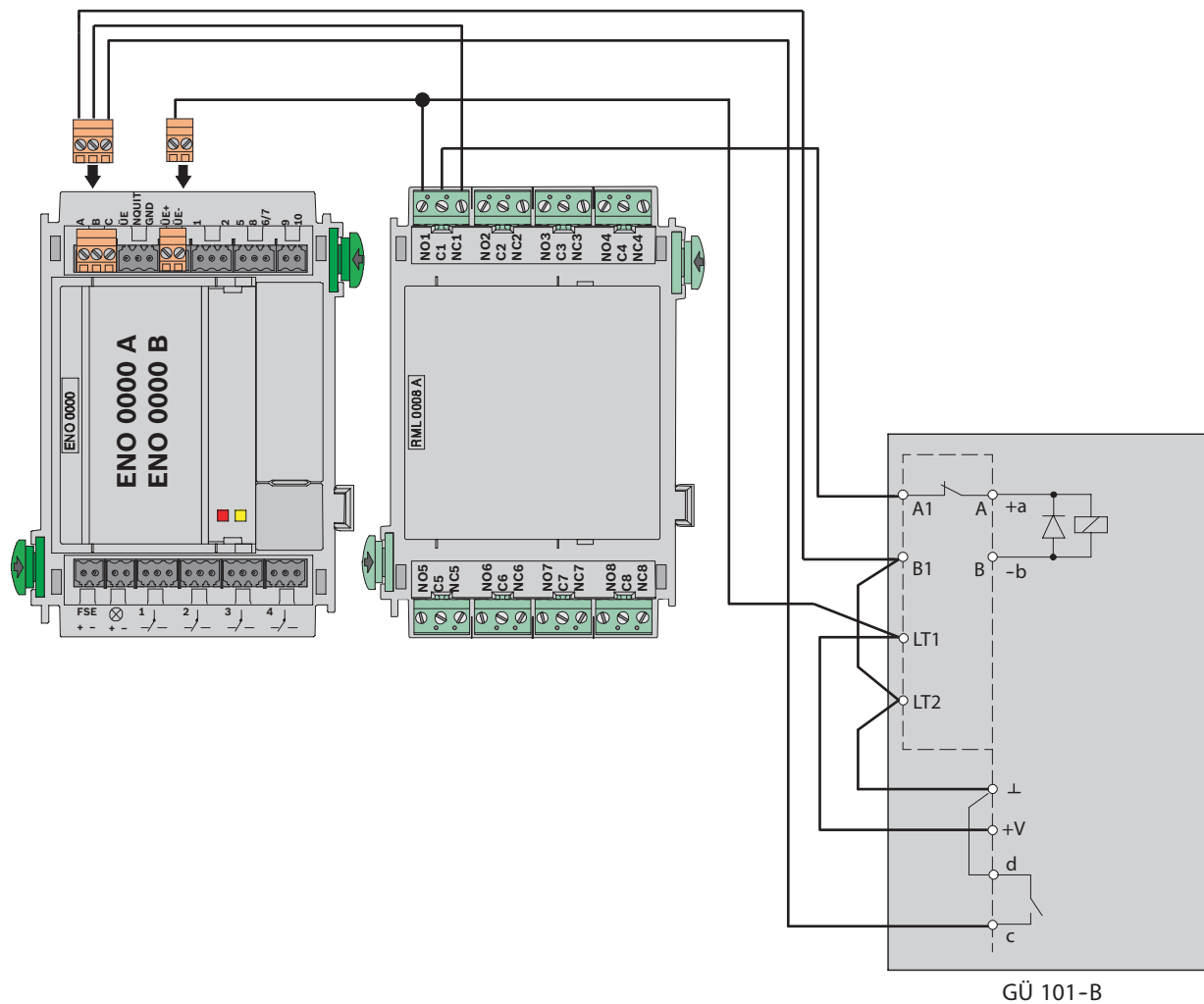
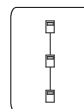


TF2F



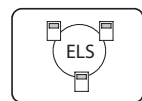
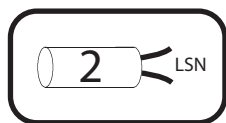
**UE-F-D/T**

**GÜ 101-B**

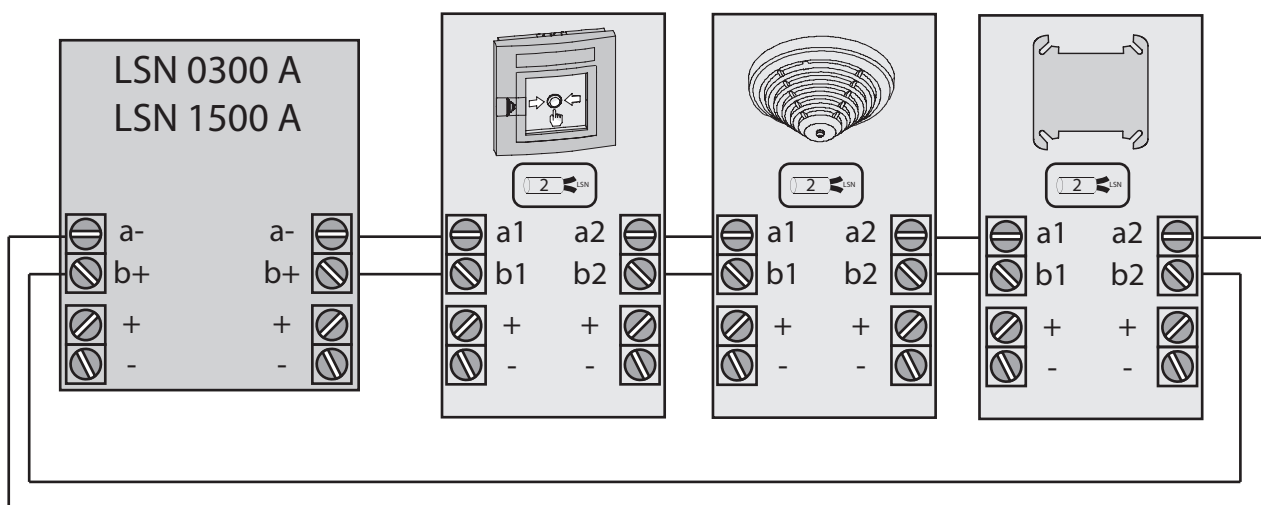
**GÜ 101-B**

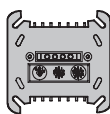
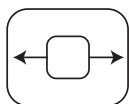
3.3.4

LSN 0300 A

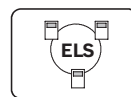


VdS 2489

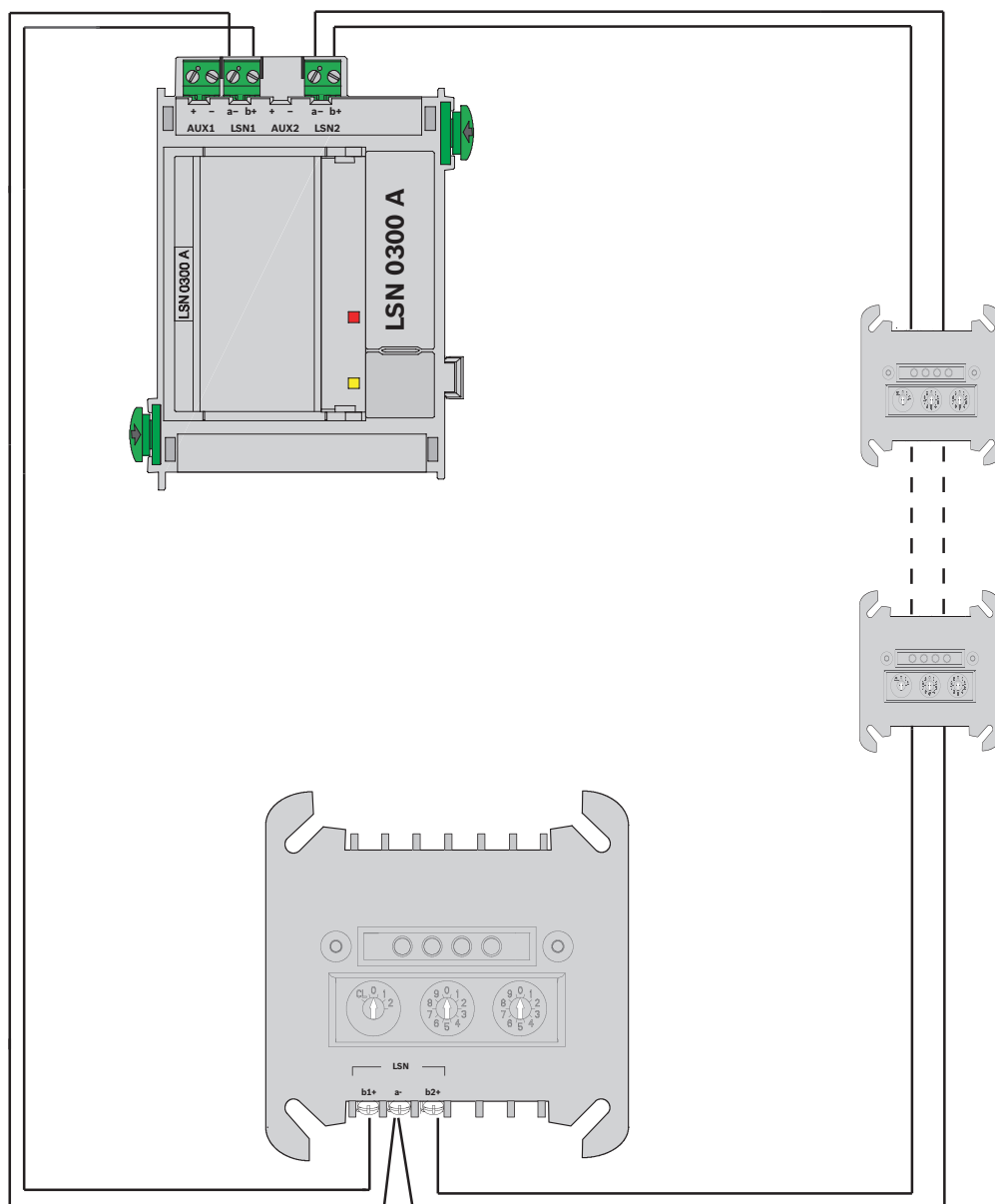


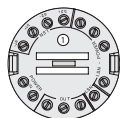
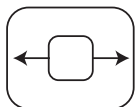


FLM-I 420-S
FLM-420-I2-D
FLM-420-O1I1-D
FLM-420-RHV-D/S
FLM-420-RLV1-D

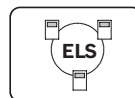


VdS 2489

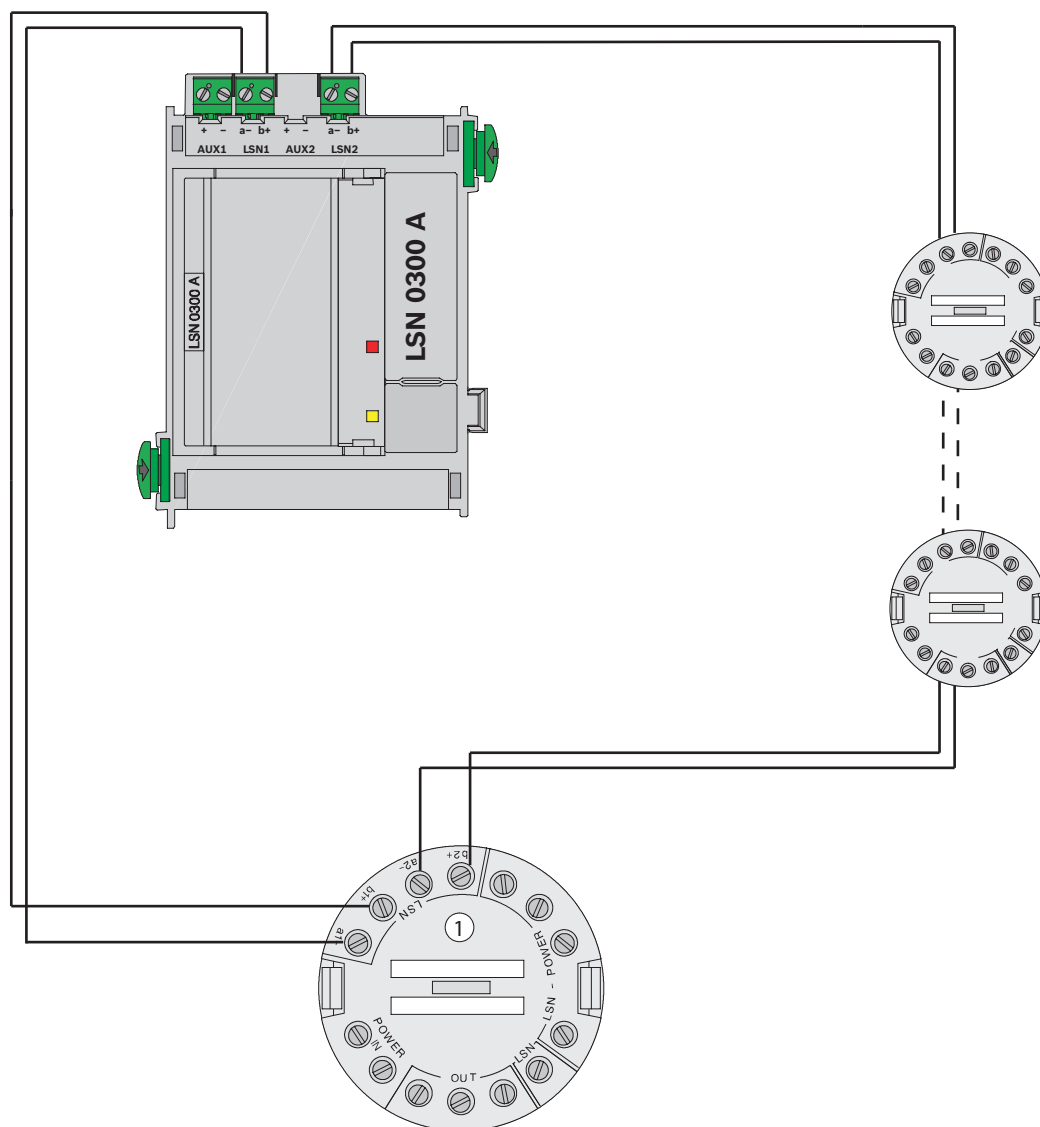


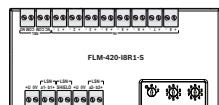
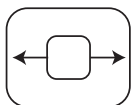
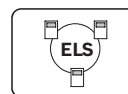
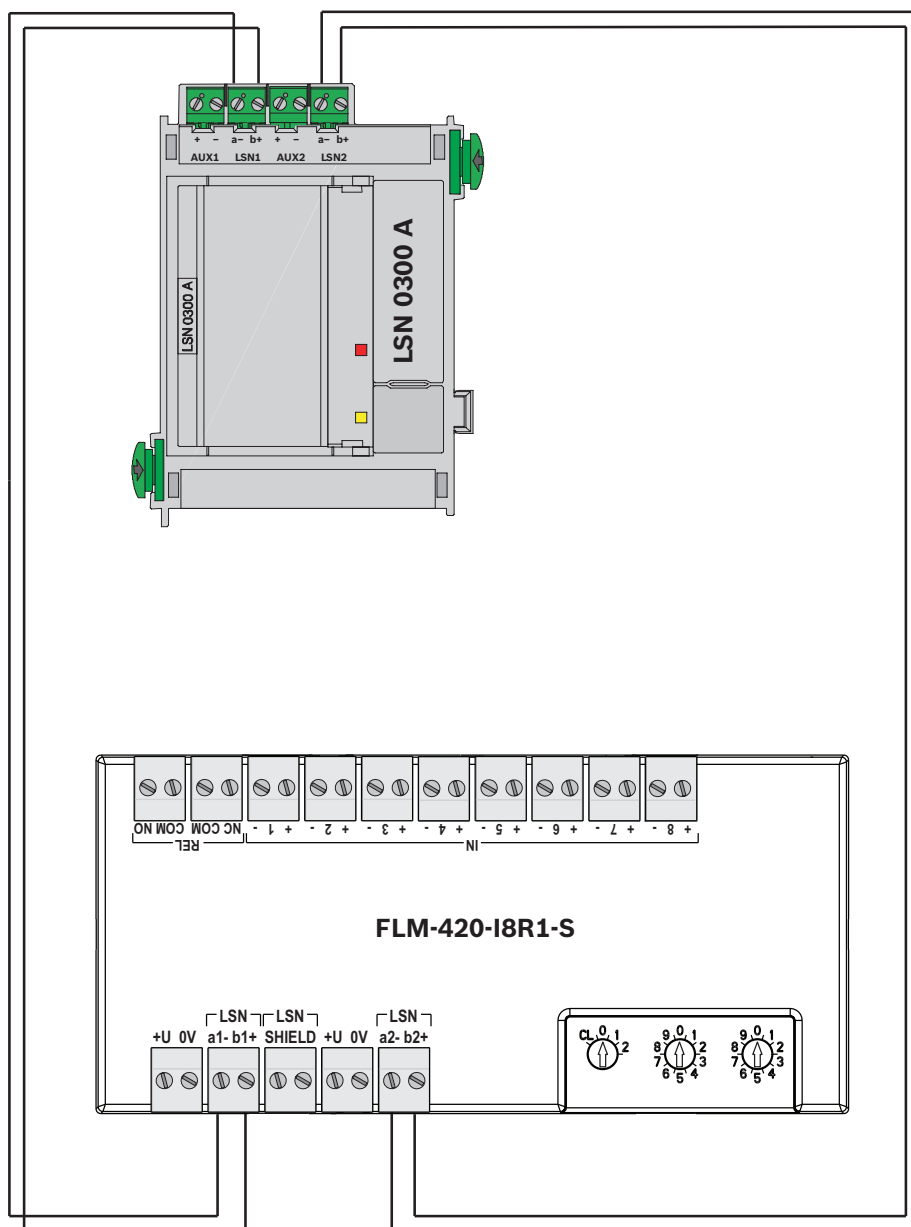


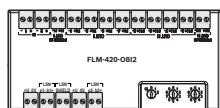
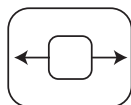
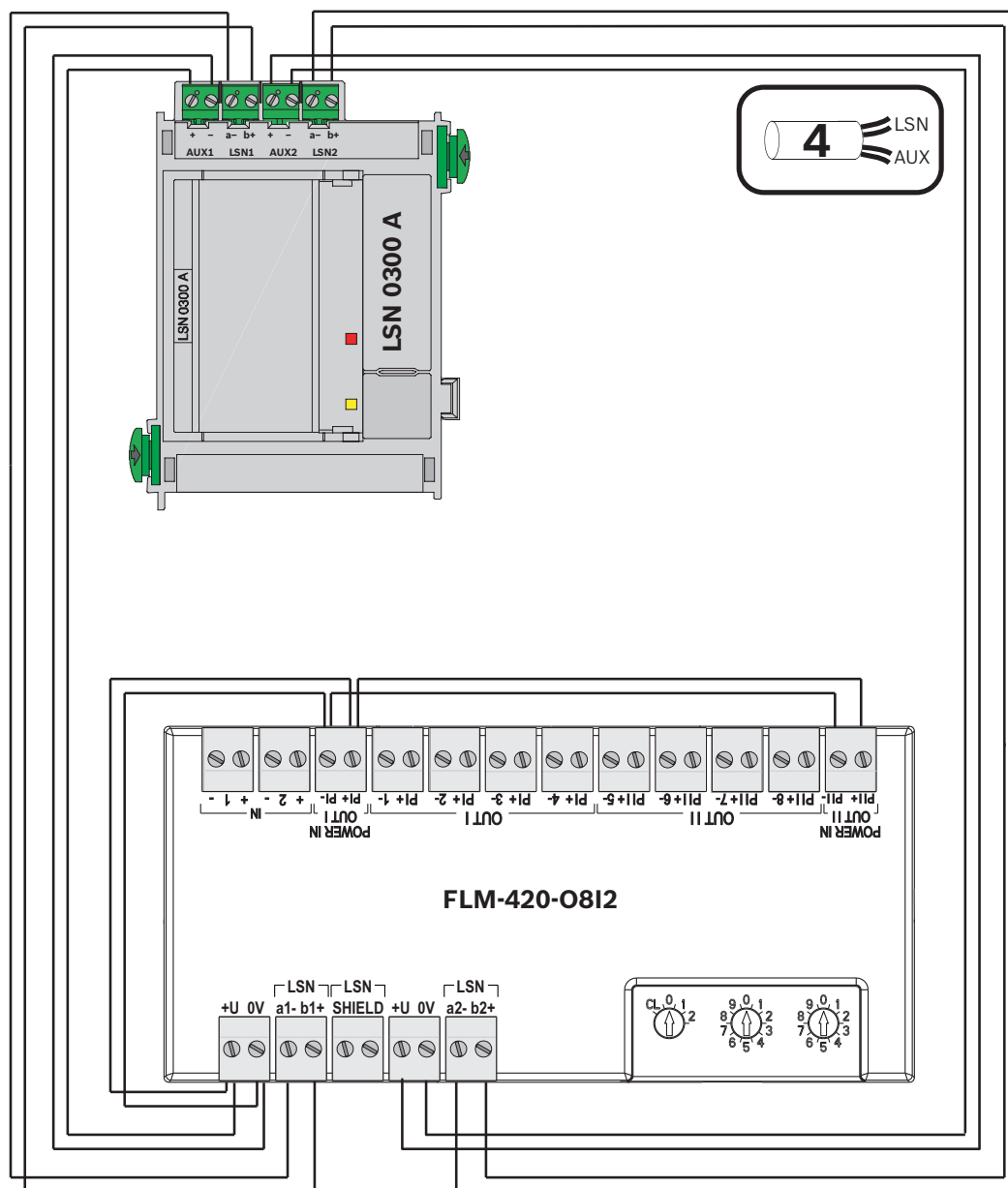
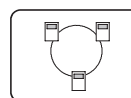
FLM-420-I2-E/W
FLM-420-RLV1-E

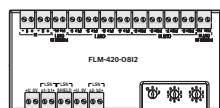
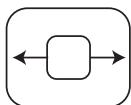


VdS 2489

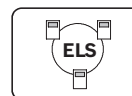


**FLM-420-I8R1-S****VdS 2489**

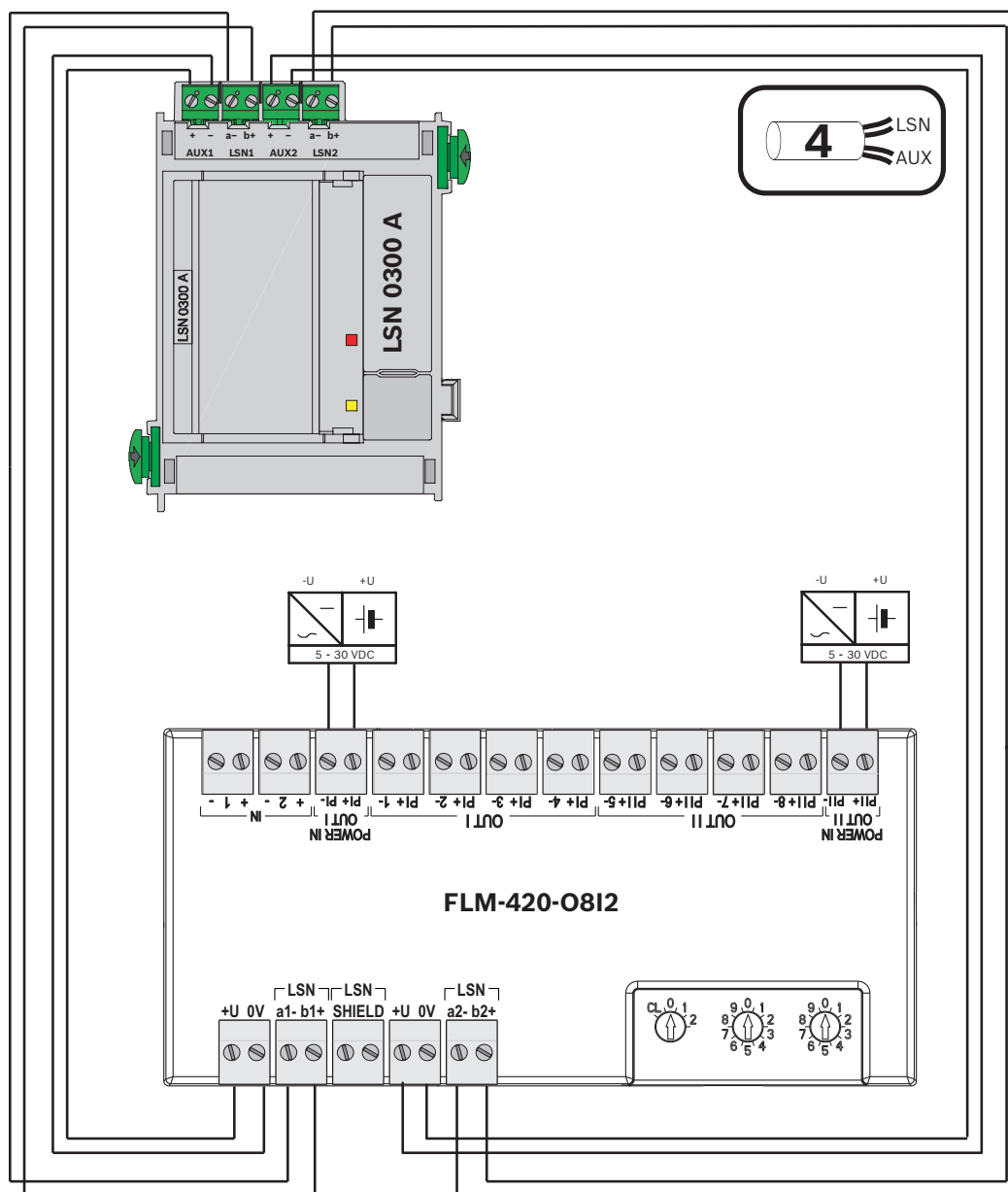
**FLM-420-08I2-S**

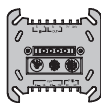
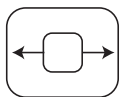


FLM-420-O8I2-S

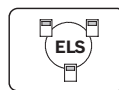


VdS 2489

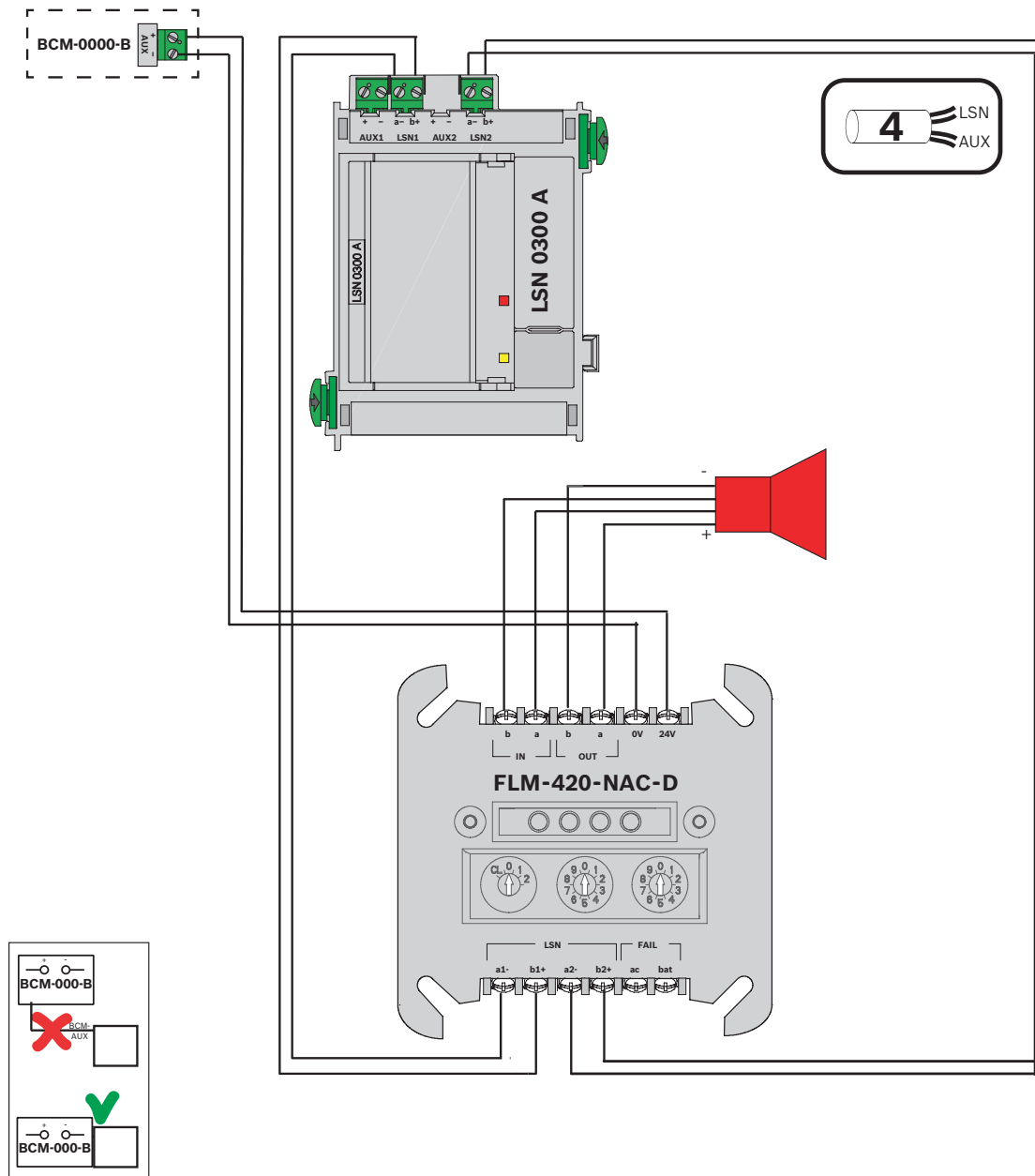


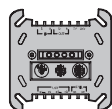
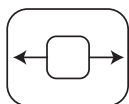
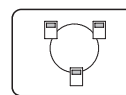
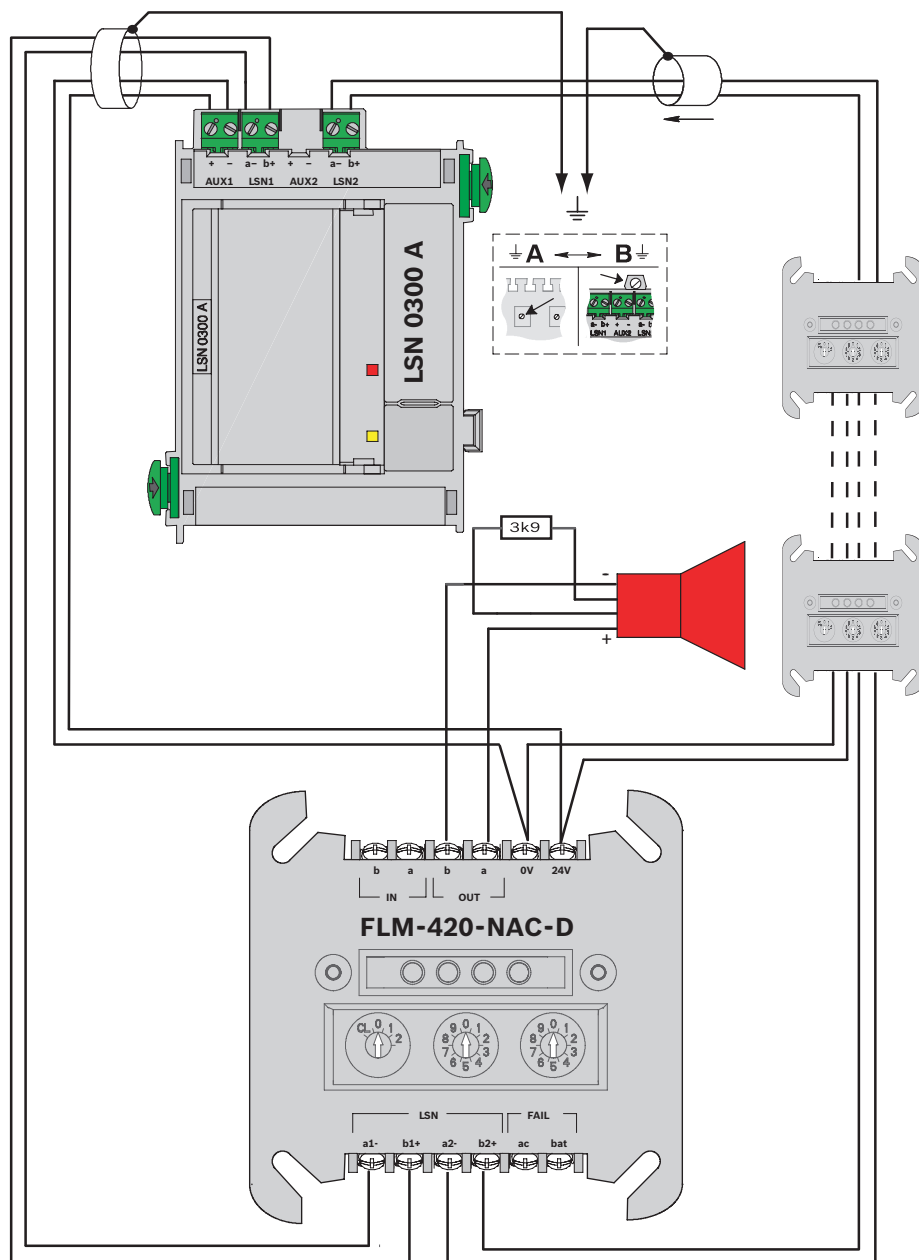


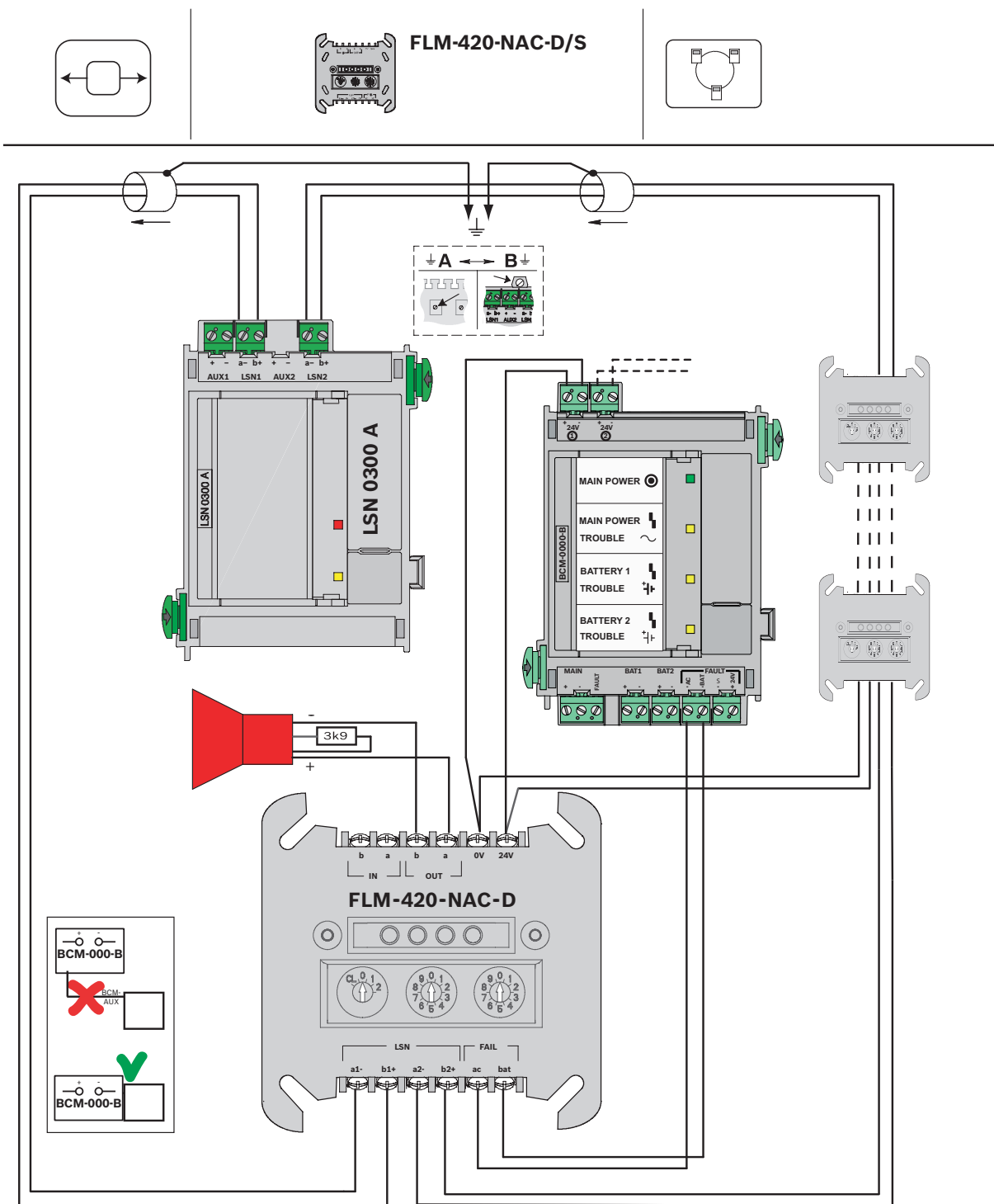
FLM-420-NAC-D/S

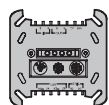
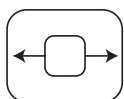


VdS 2489

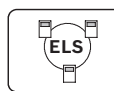


**FLM-420-NAC-D/S****EN 54-2**

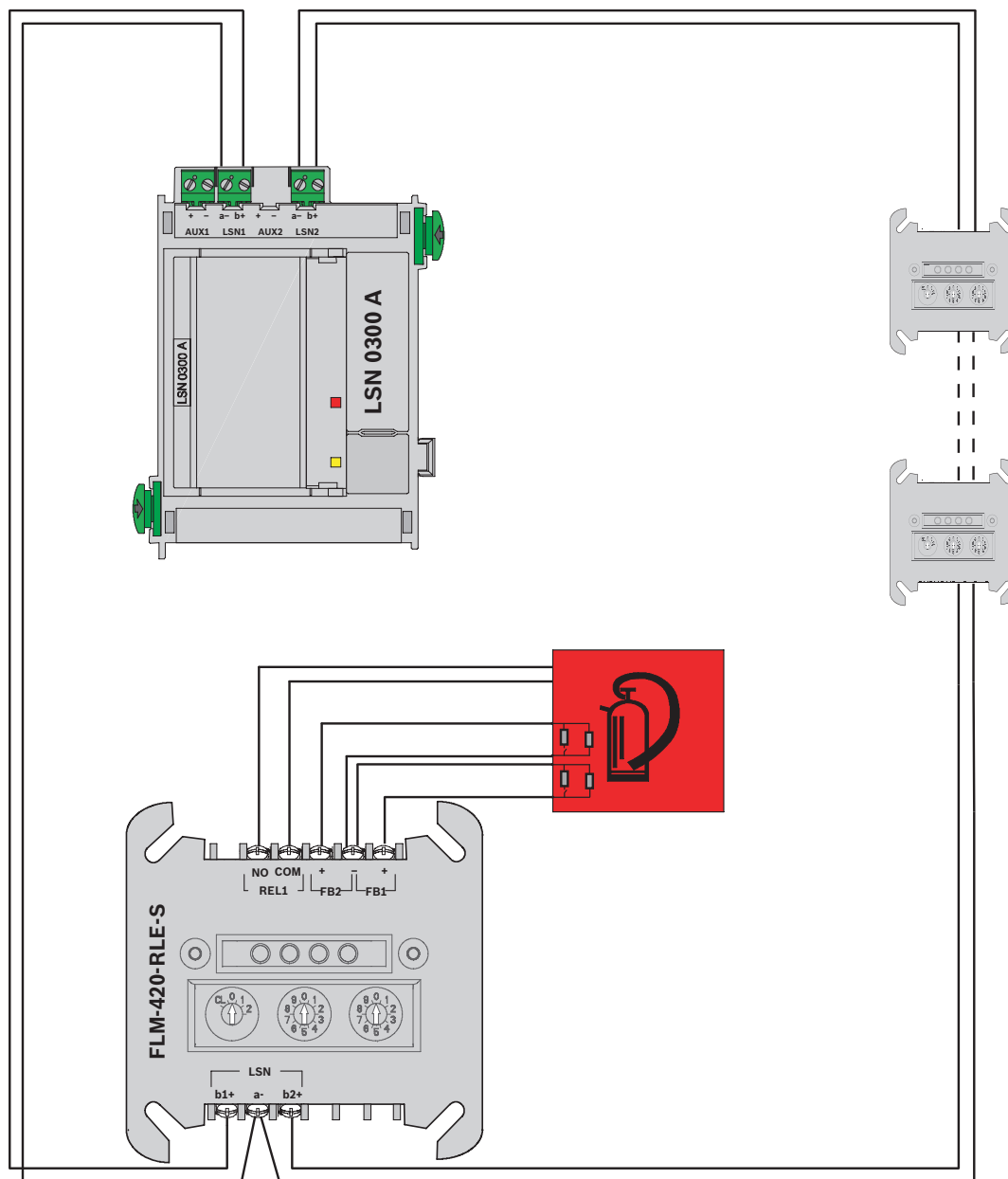


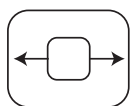
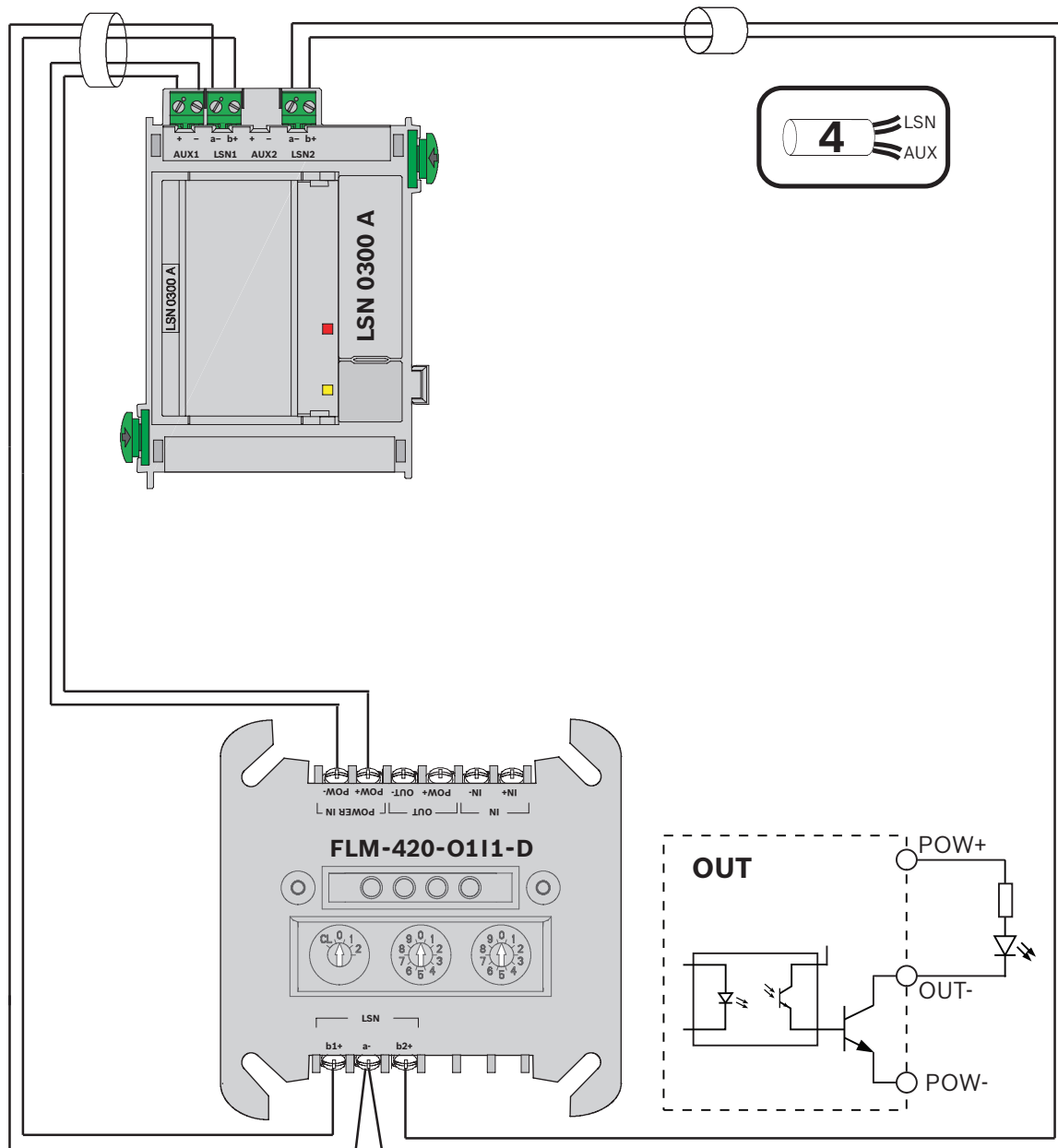
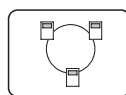


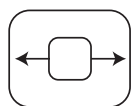
FLM-420-RLE-S



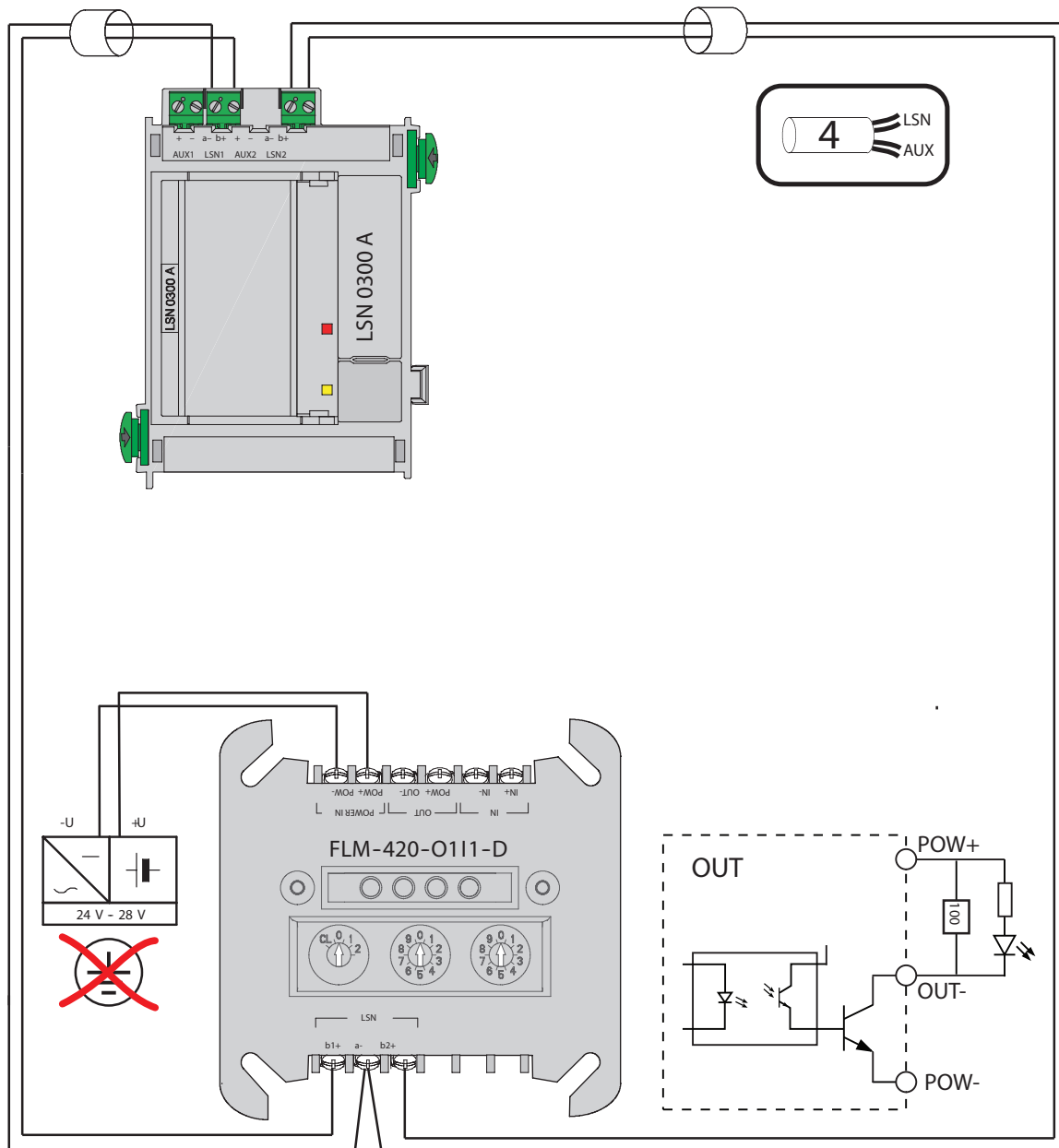
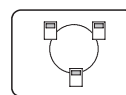
VdS 2489

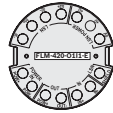
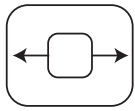


**FLM-420-O111-D**

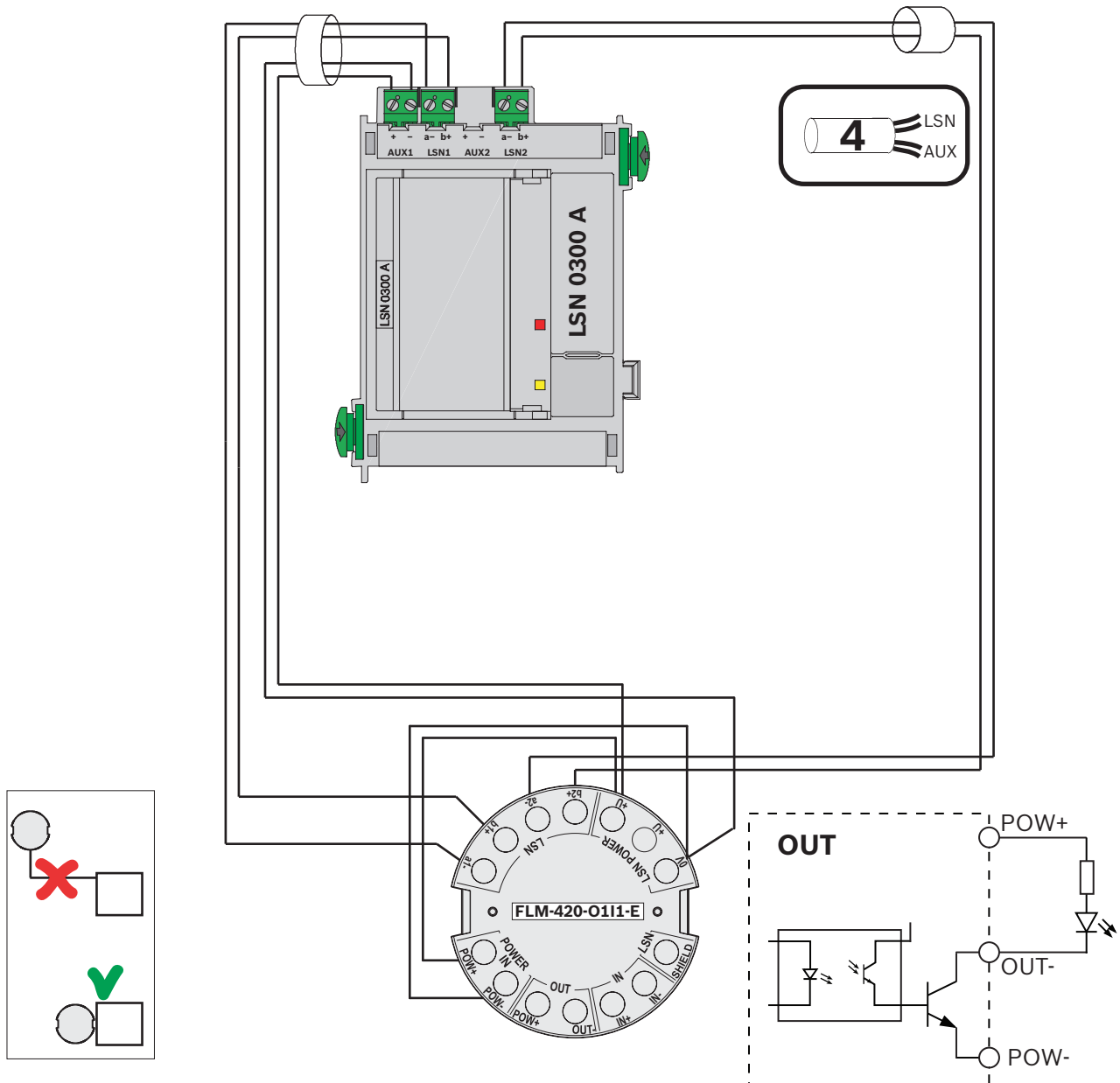
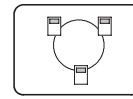


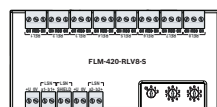
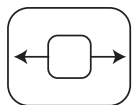
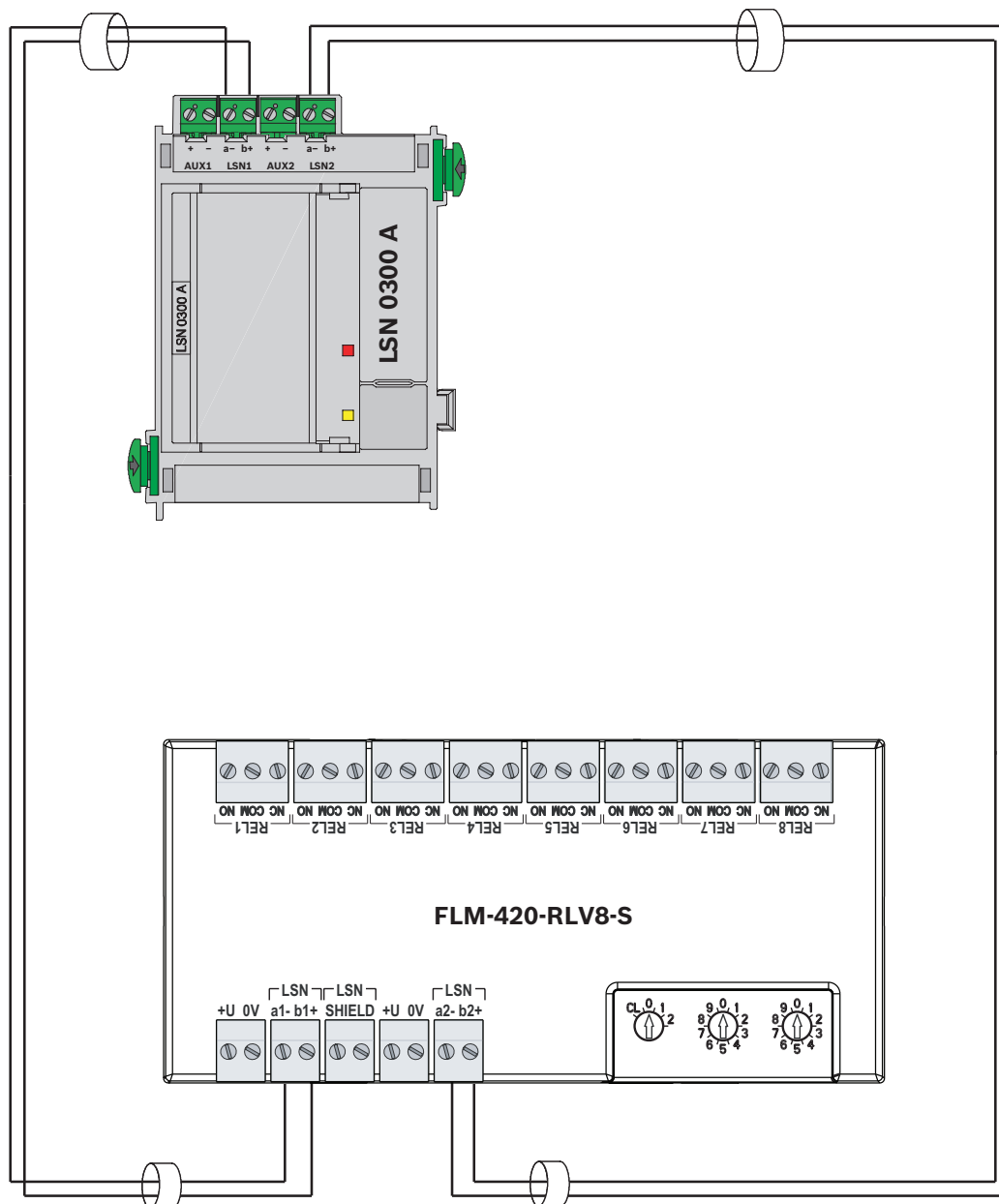
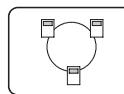
FLM-420-O1I1-D

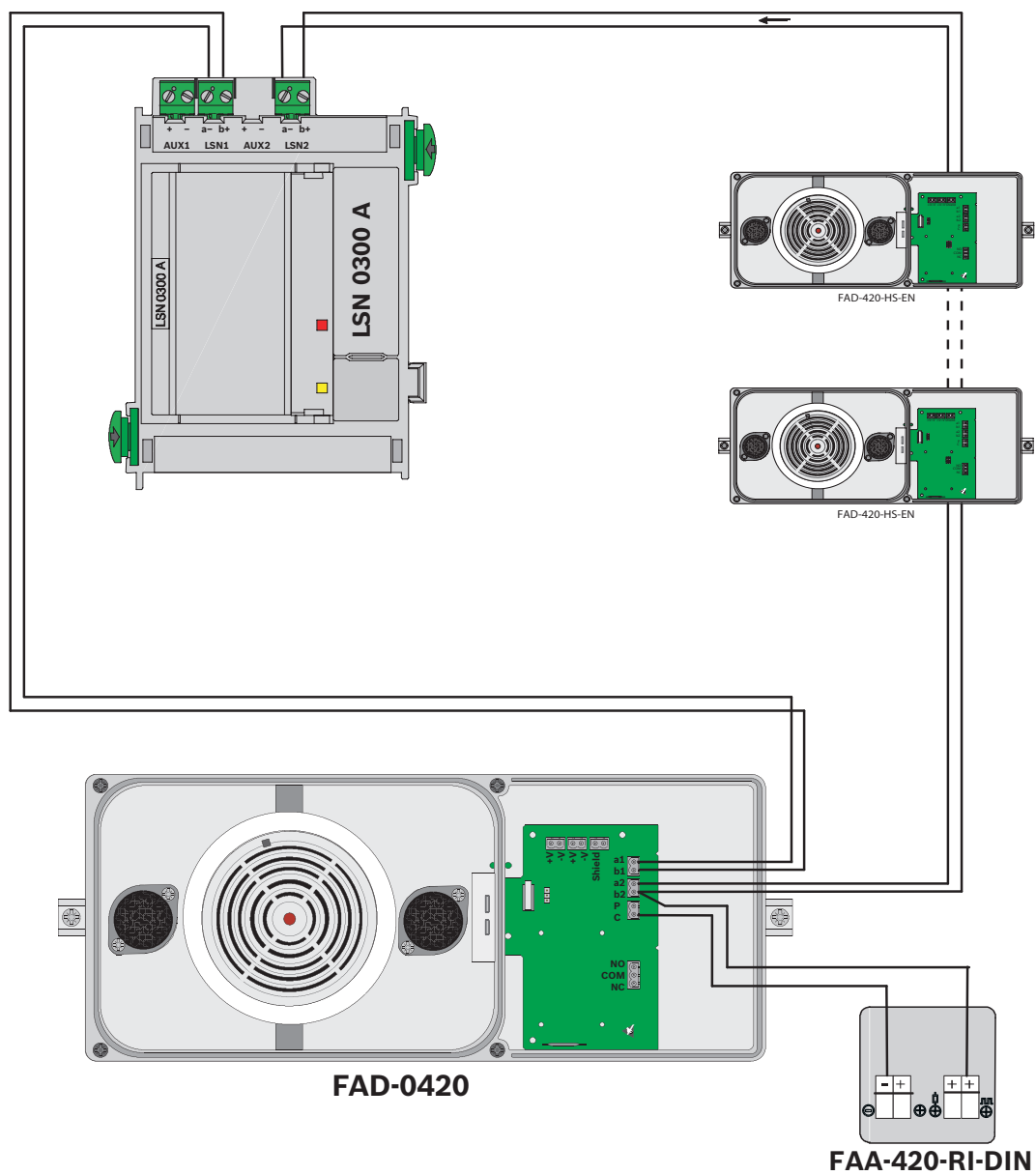


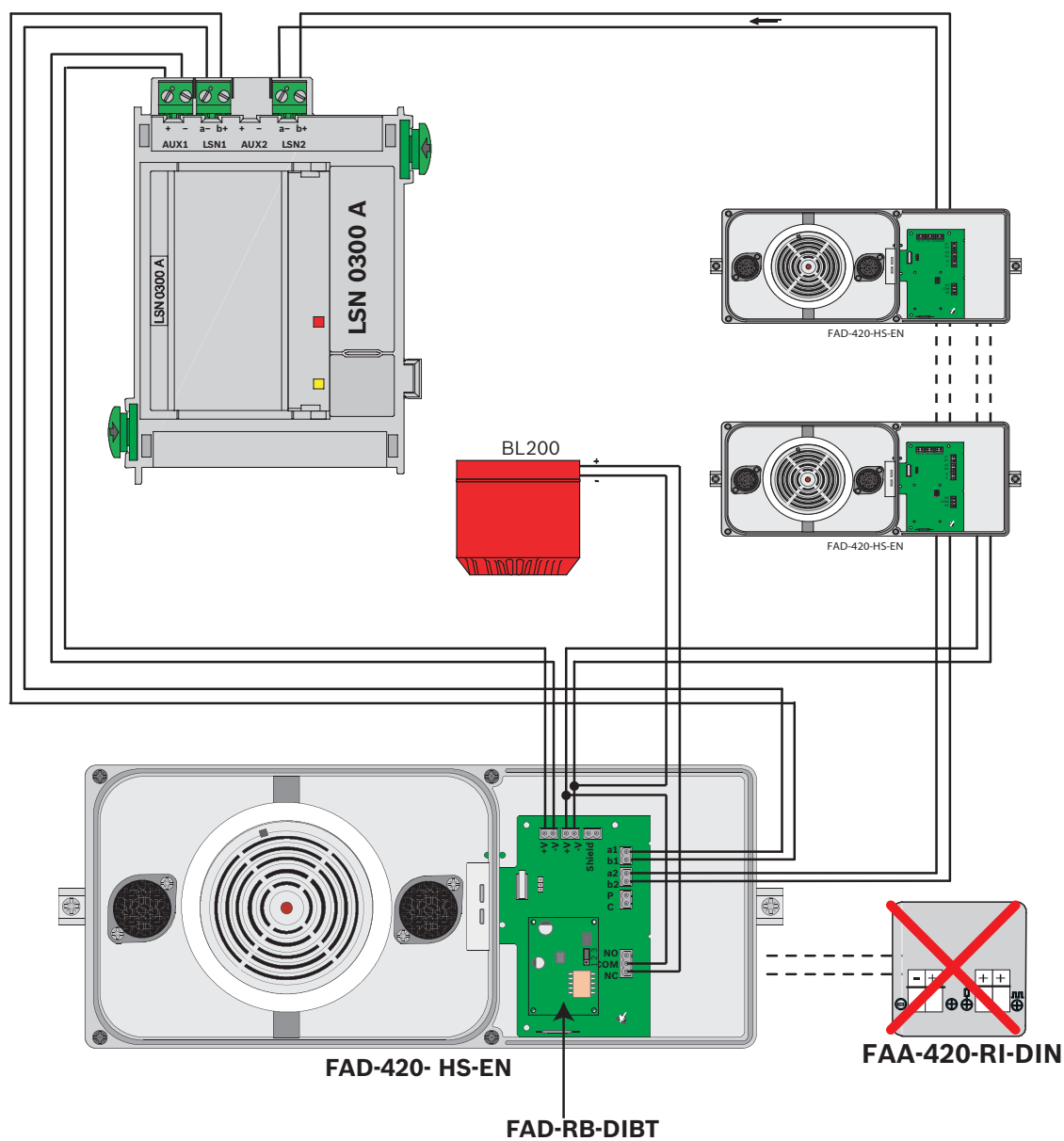


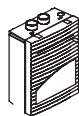
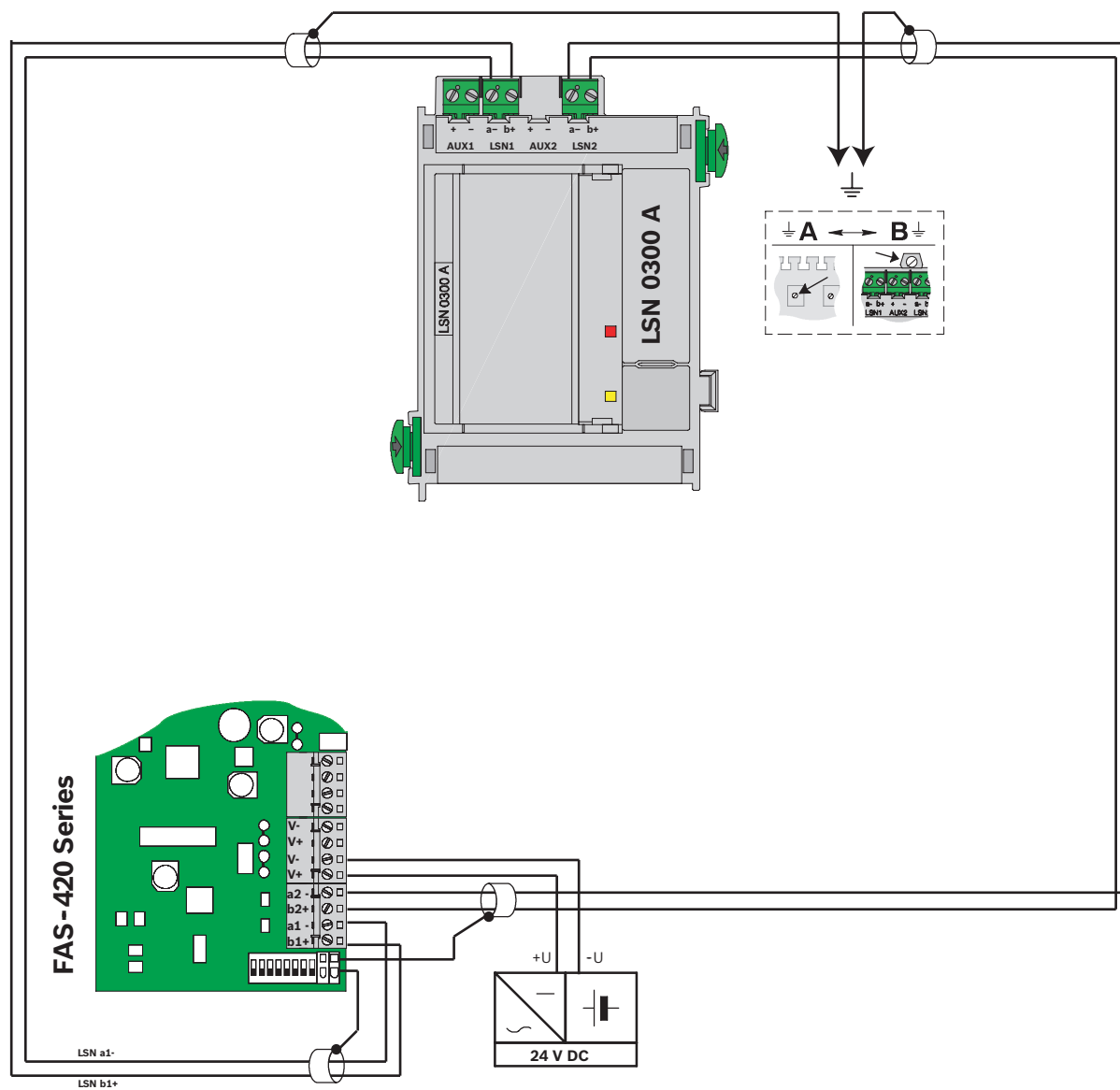
FLM-420-01I1-E

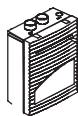
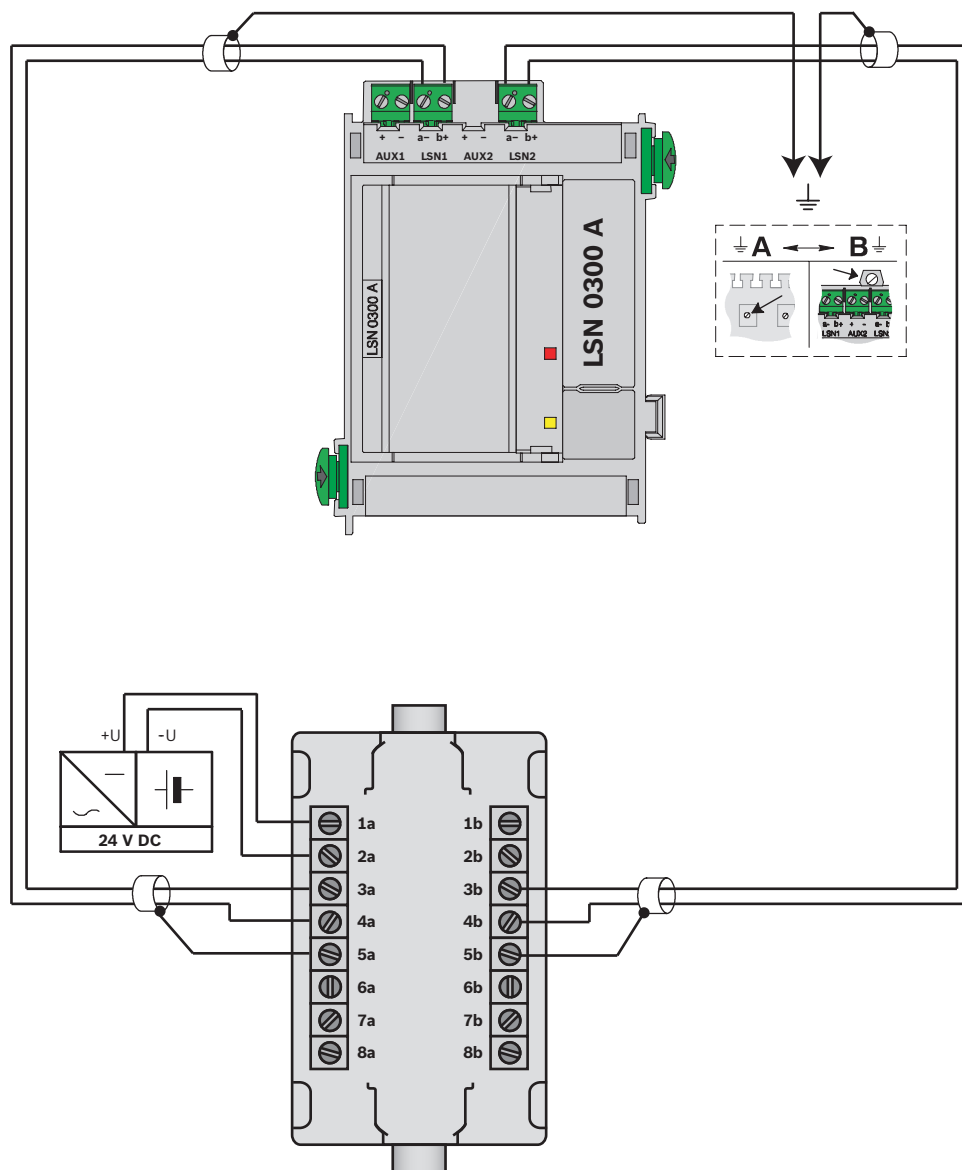


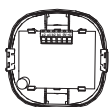
**FLM-420-RLV8-S**

**FAD-0420**

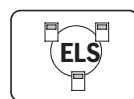
**FAD-420-HS-EN**

**FAS-420 Series**

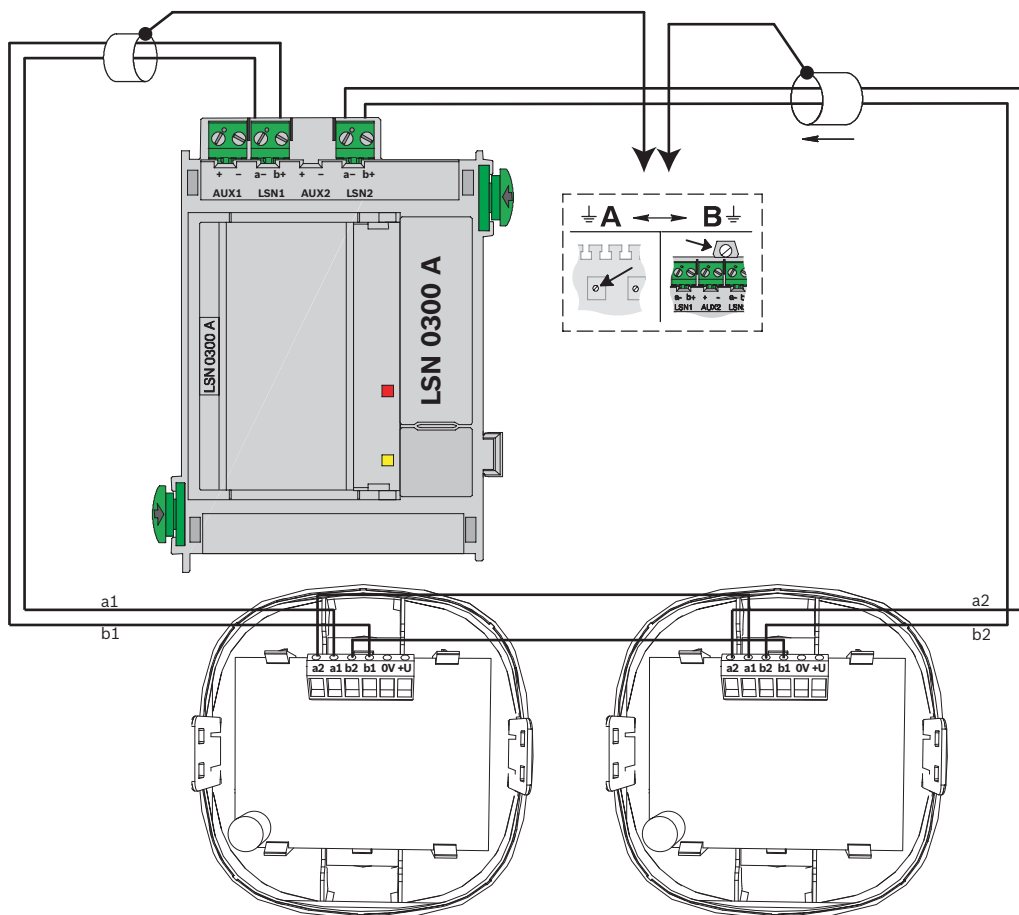
**FAS-420-TM Series**



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



VdS 2489

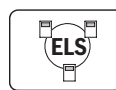


FNM-420-A/-B
FNM-420U-A/-B
FNM-420V-A

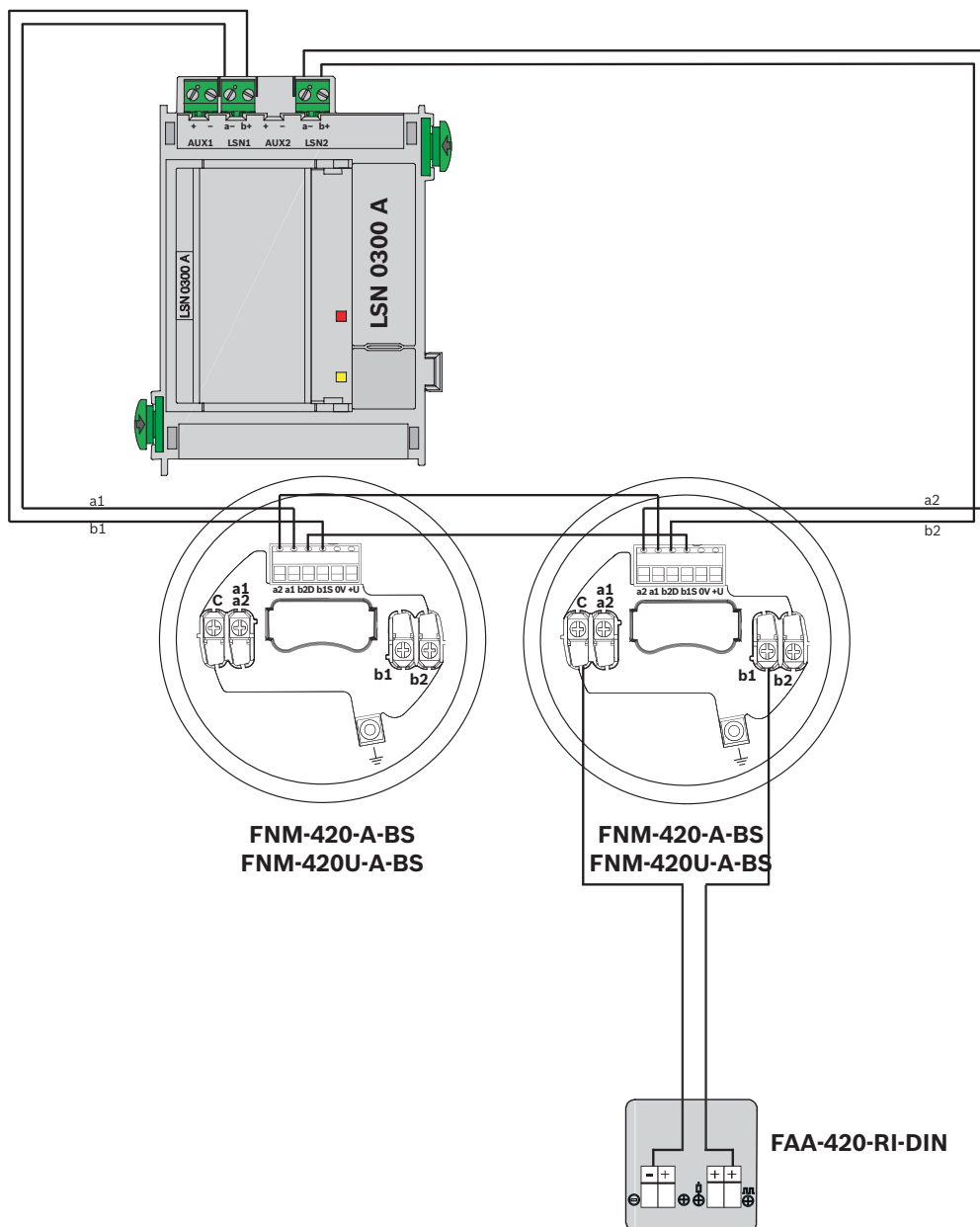
FNM-420-A/-B
FNM-420U-A/B
FNM-420V-A



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



VdS 2489

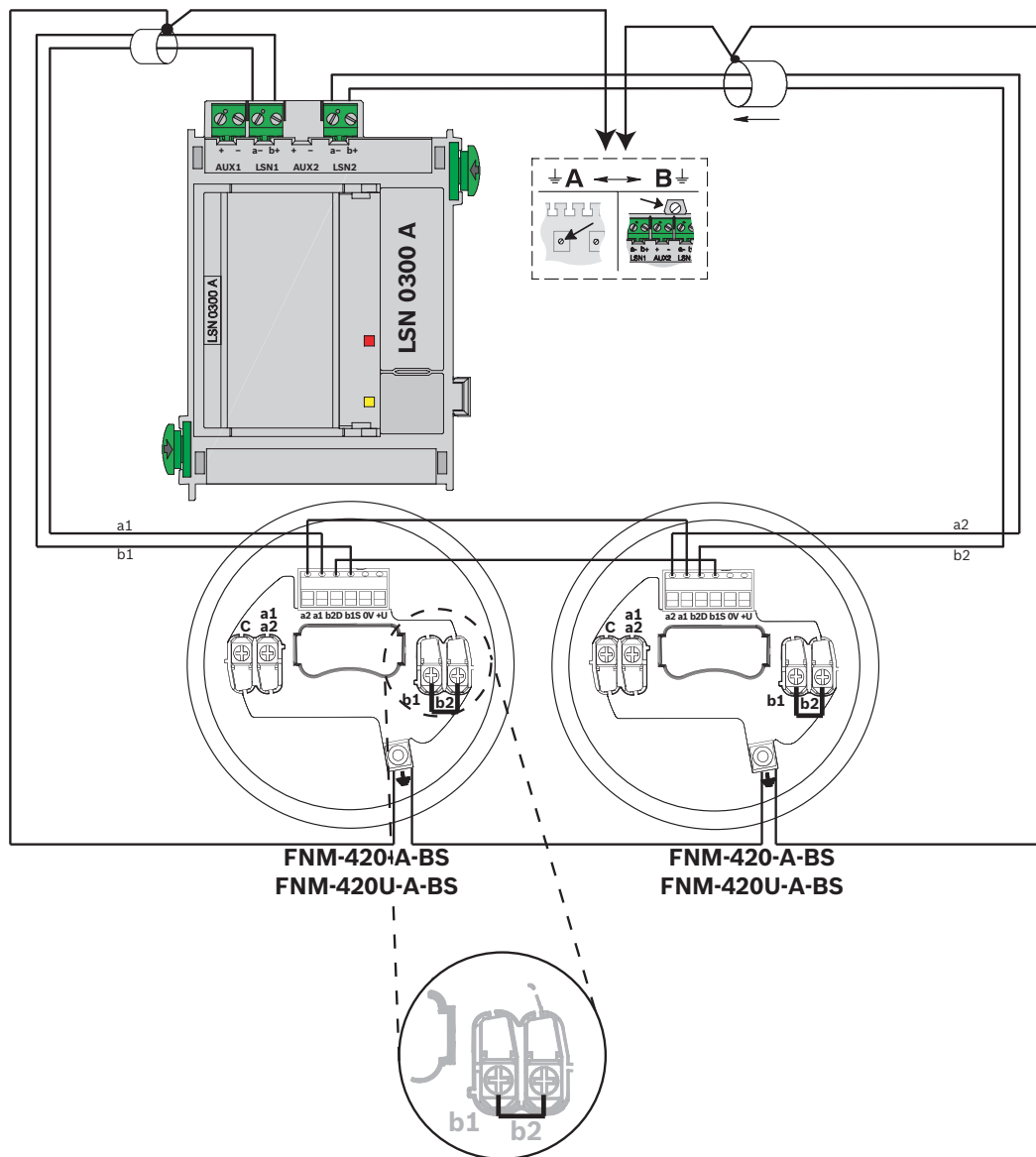




FNM-420-A-BS
FNM-420U-A-BS

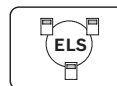


VdS 2489

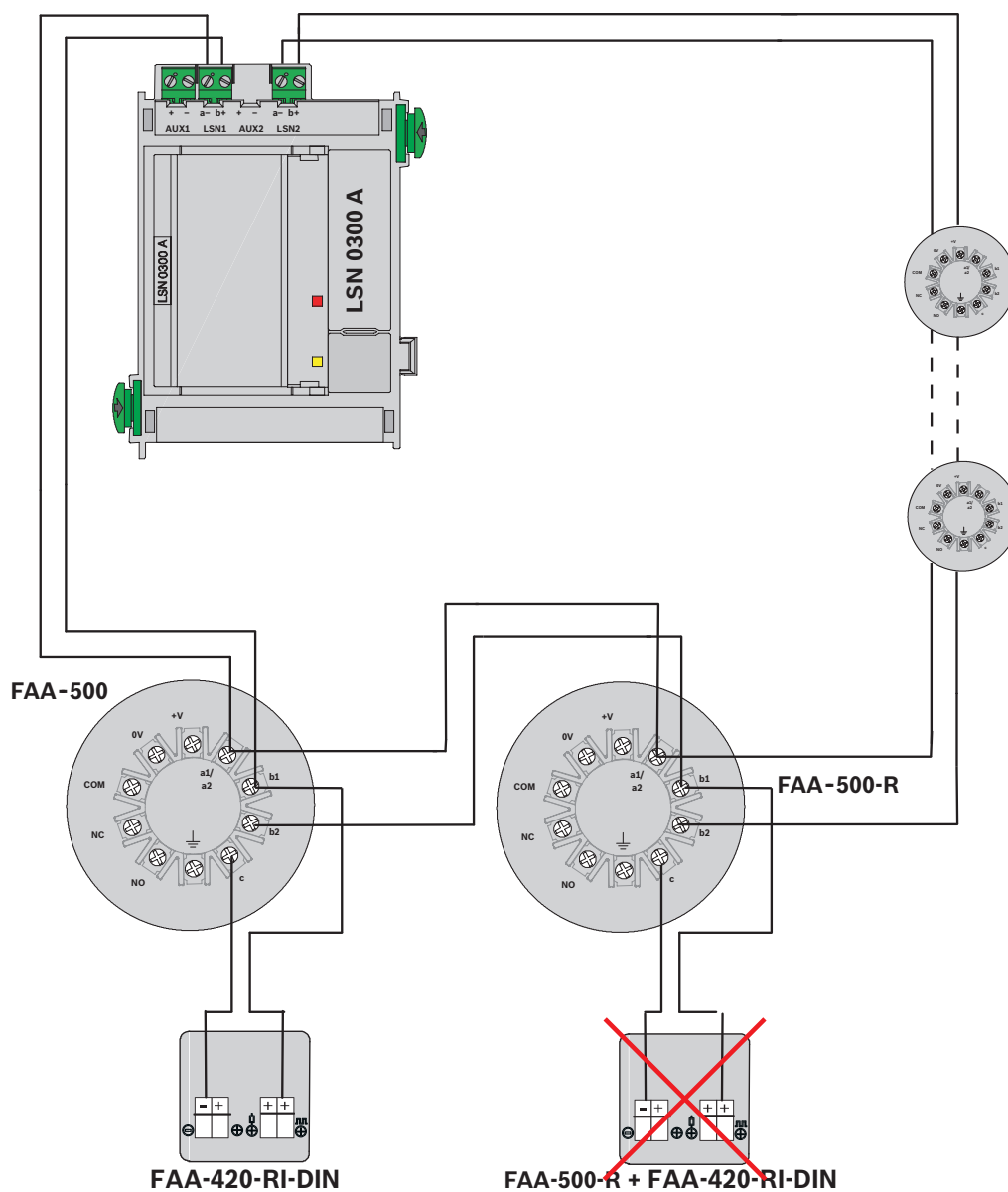




FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P

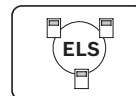


VdS 2489

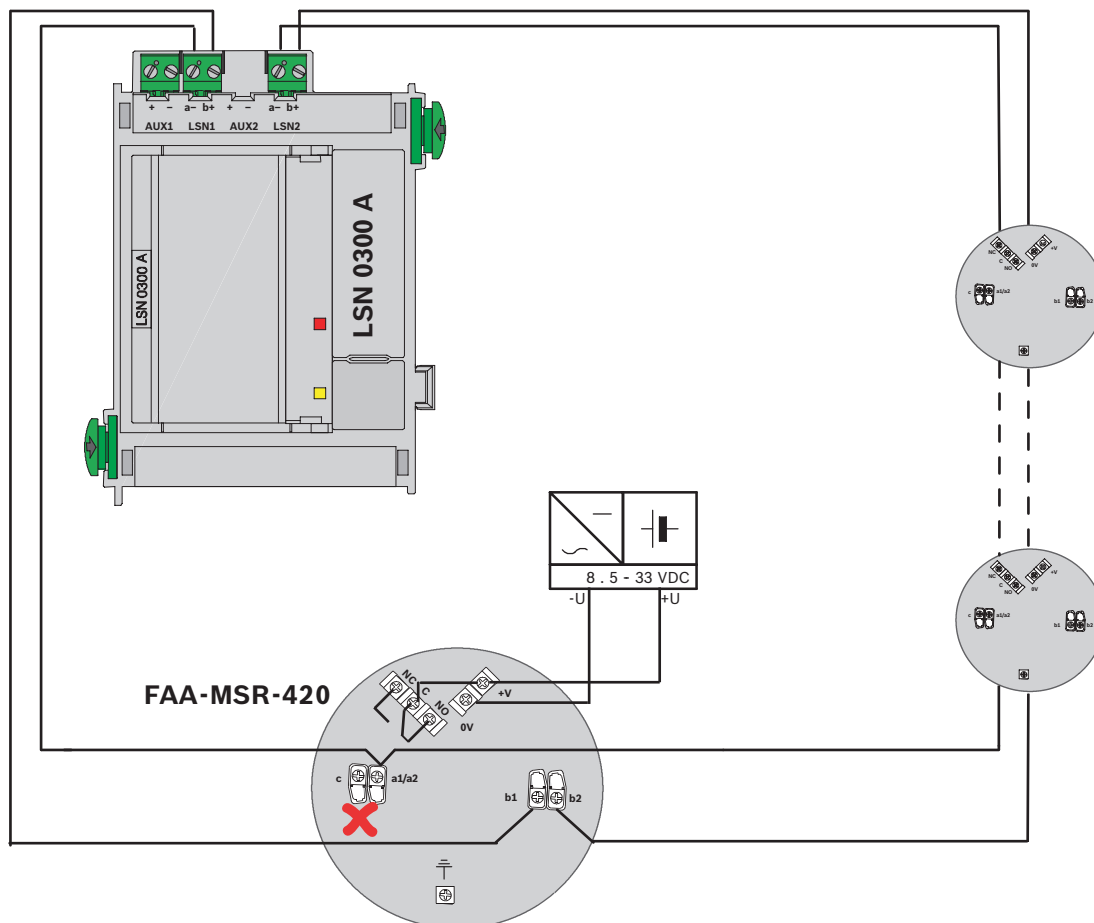




FAP-425-O/-O-R
FAP-425-OT/-OT-R
FAP-425-T-R
FAP-425-DO-R/-DOT-R/-DOTC-R

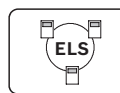


VdS 2489

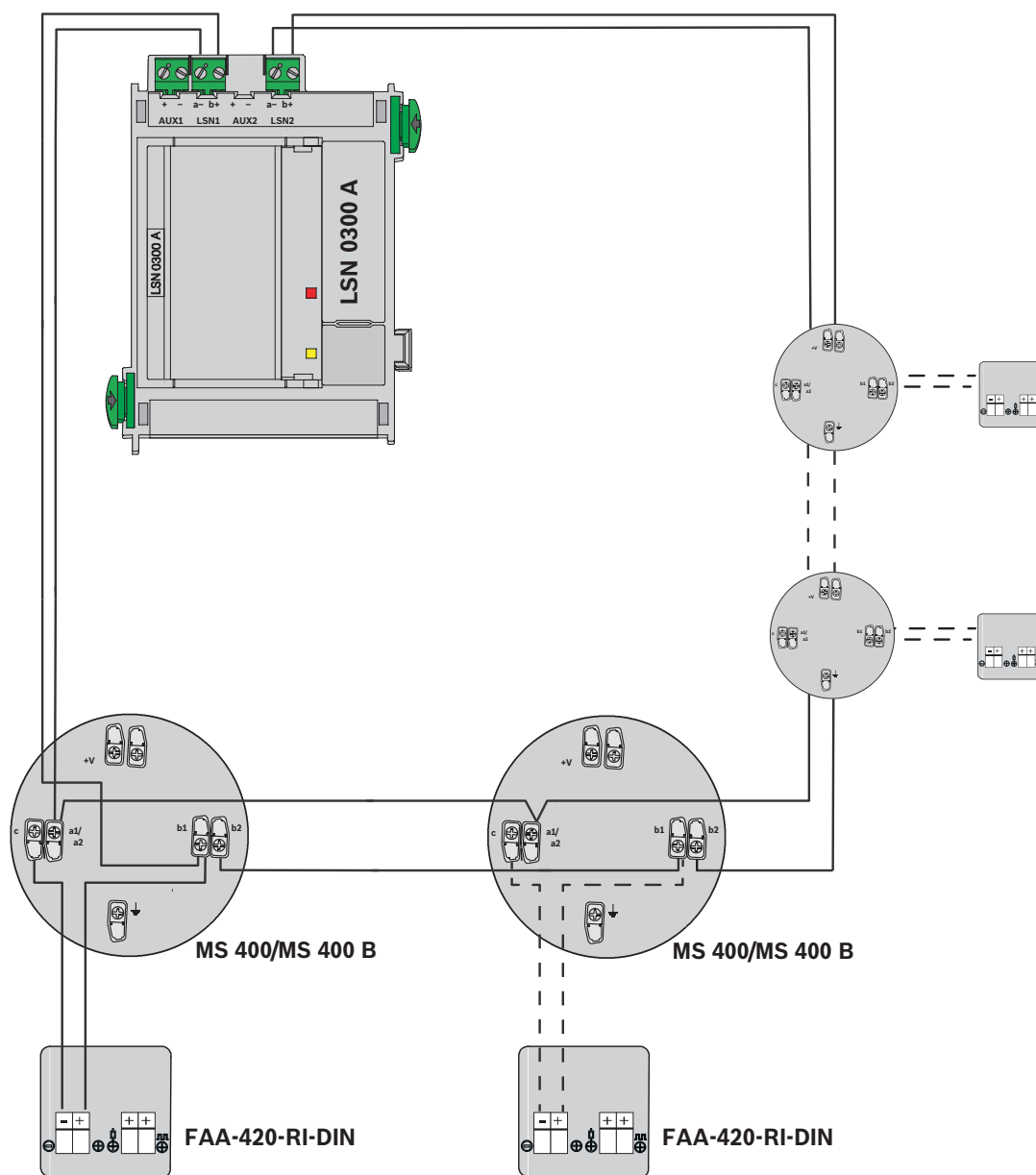


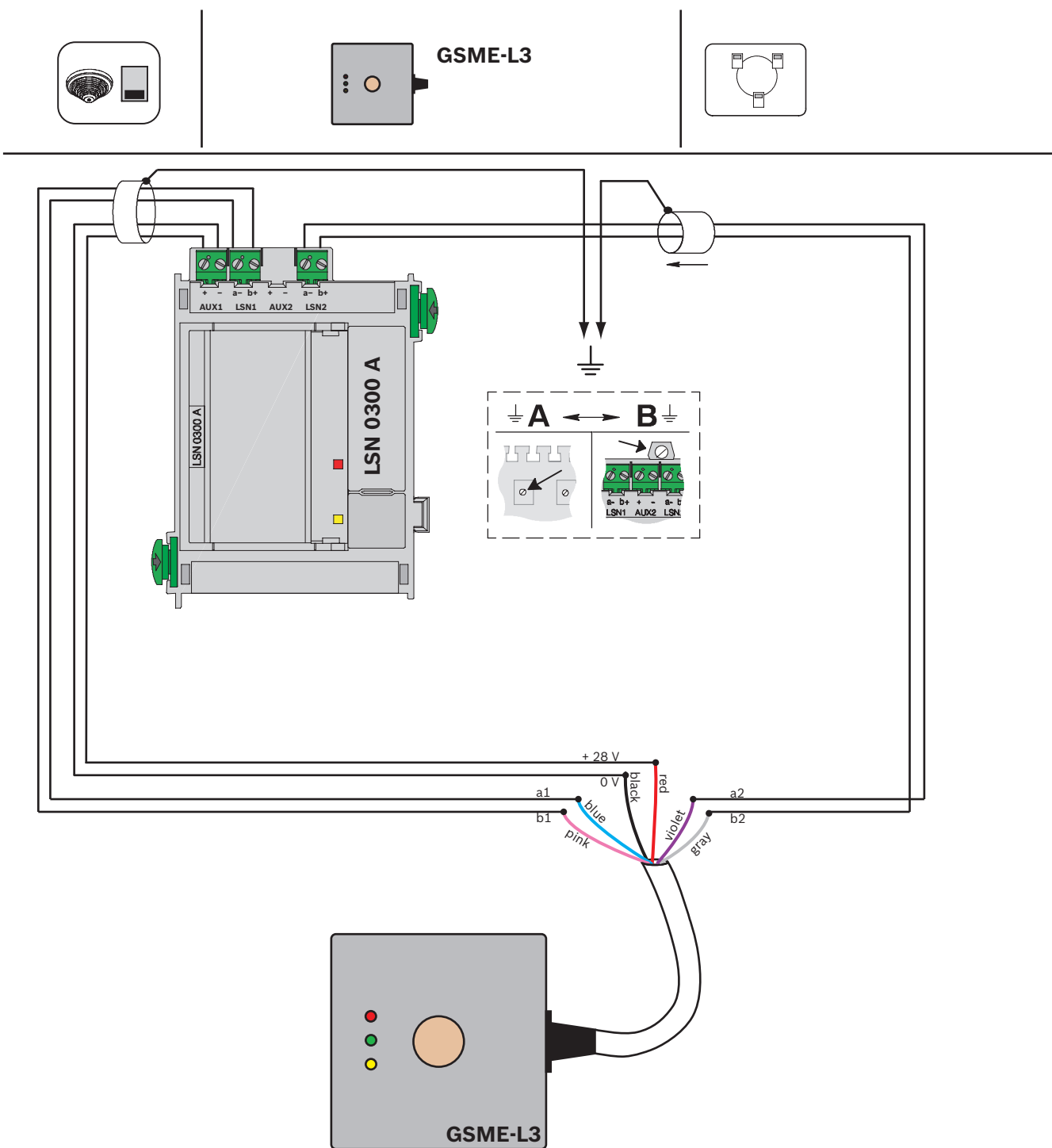


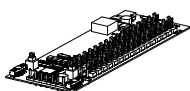
FAP-425-O/-O-R/-OT/-OT-R/-T-R
 FAP-425-DO-R/DOT-R/-DOTC-R
 FCH-320-T320/-T320-R470/-T320-FSA
 FCP-O320/-O320-R470
 FCP-OC320/-OC320-R470
 FCP-OT320/-OT320-R470



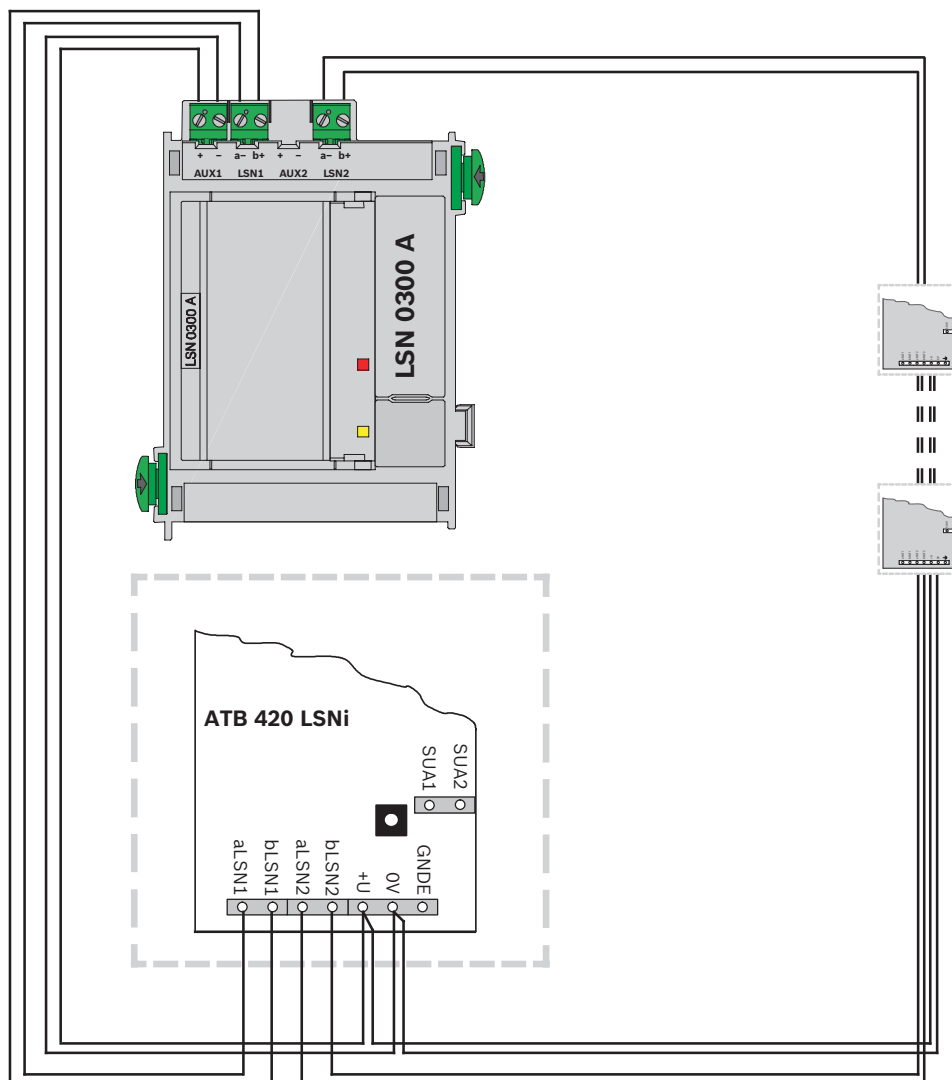
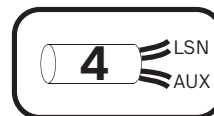
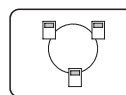
VdS 2489





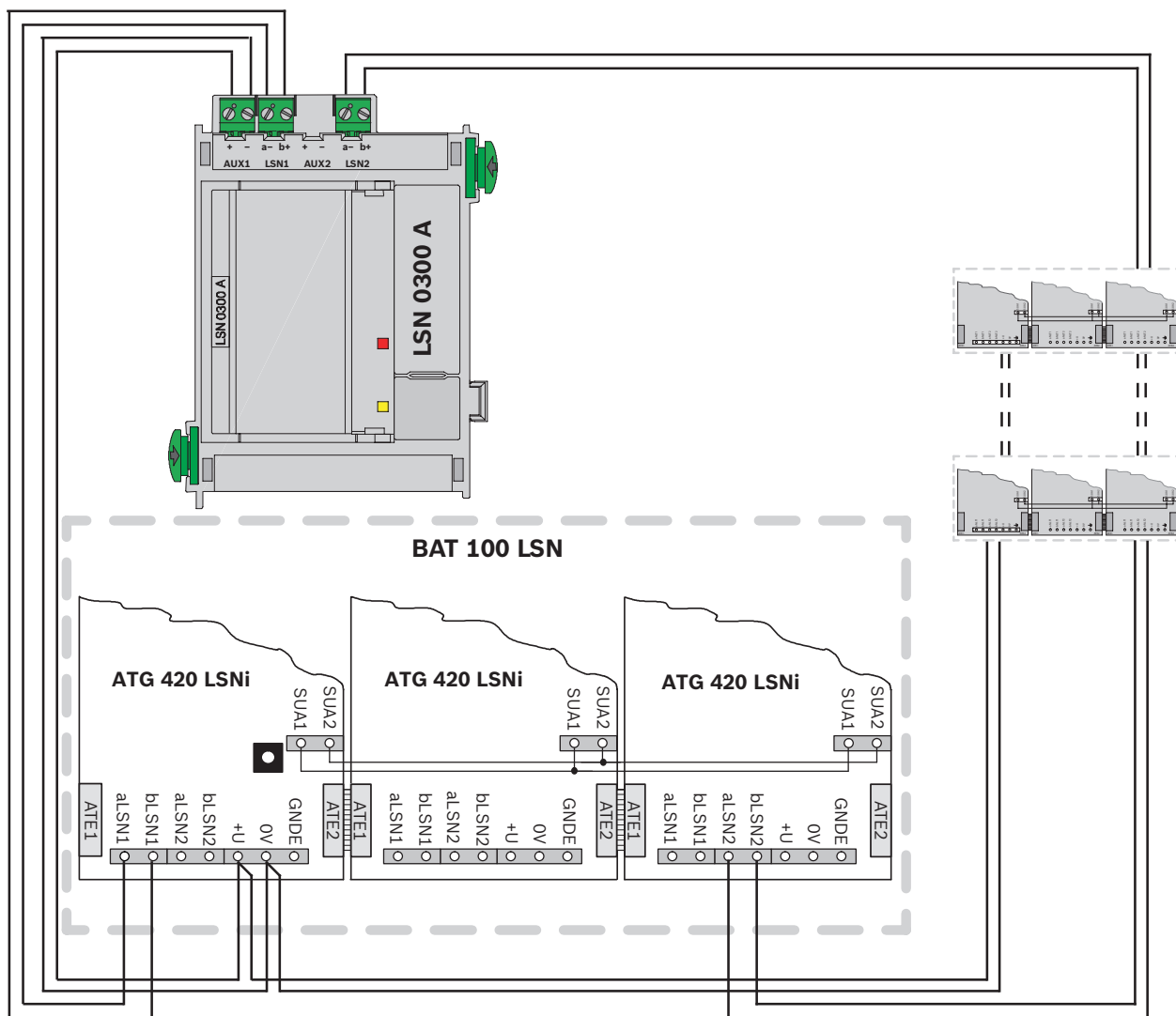
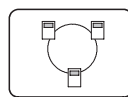


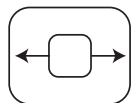
ATB 420 LSNi



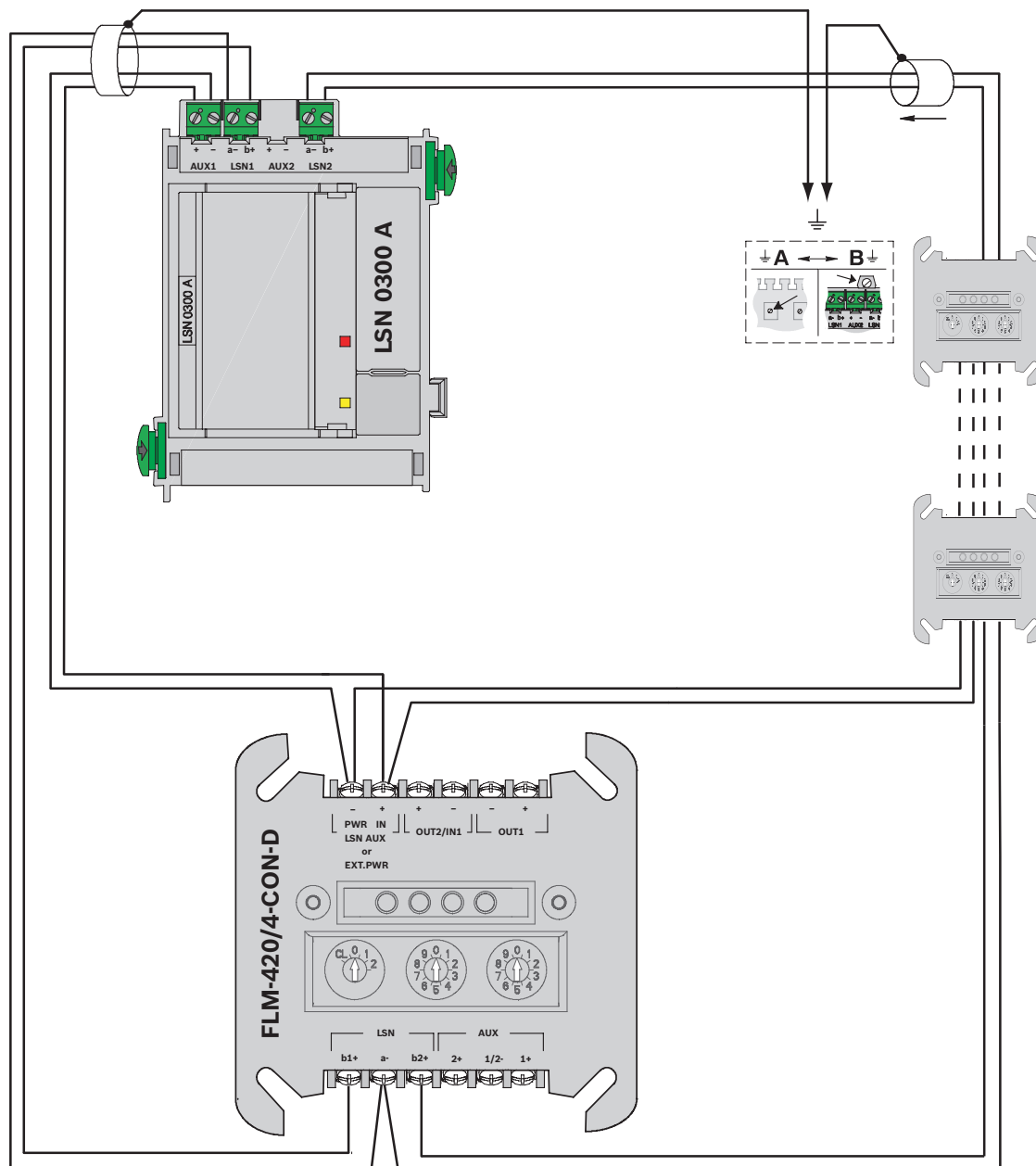
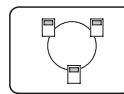


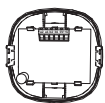
BAT 100 LSN
ATG 420 LSNi



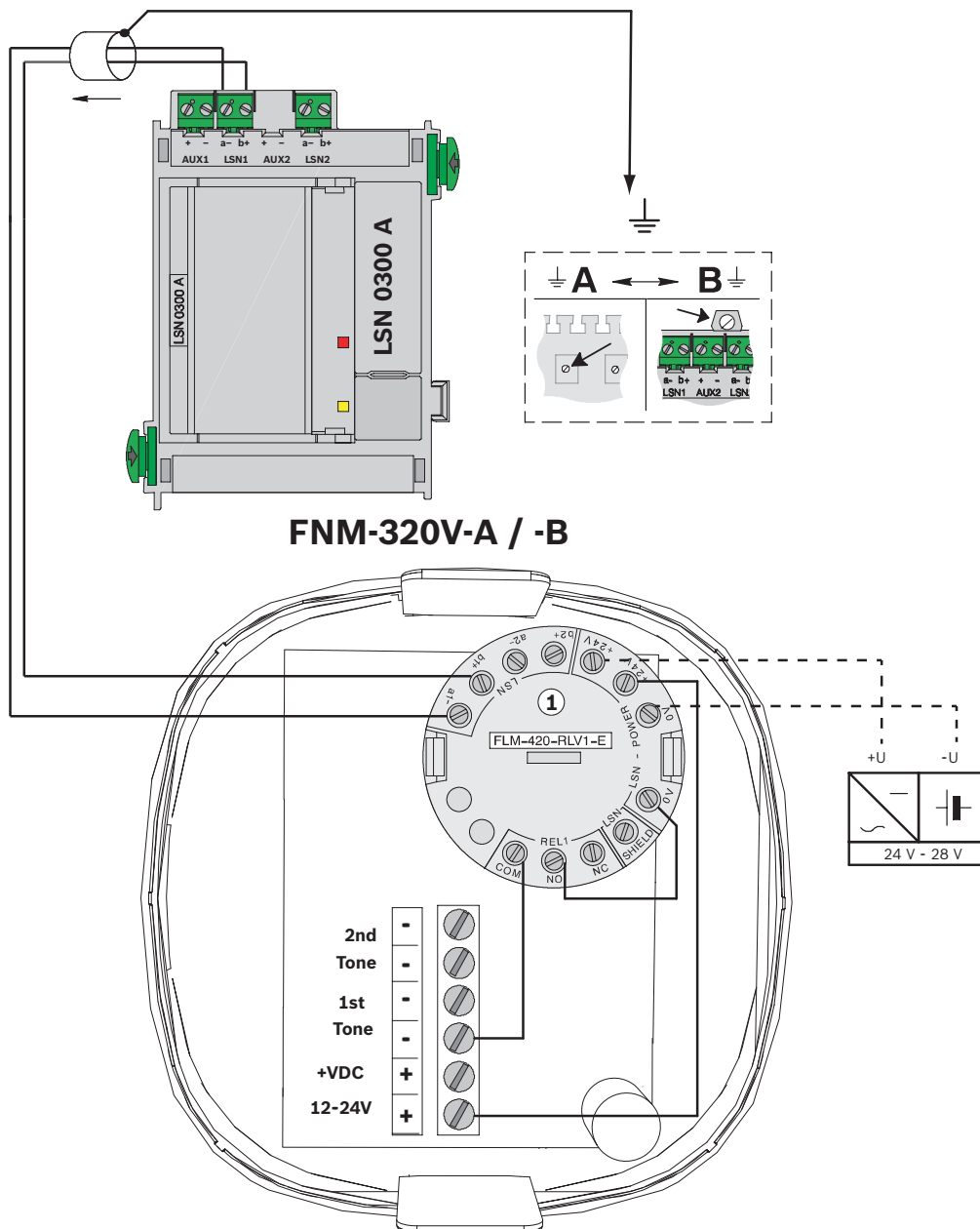
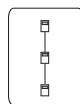


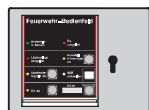
**FLM-420/
4-CON-D**



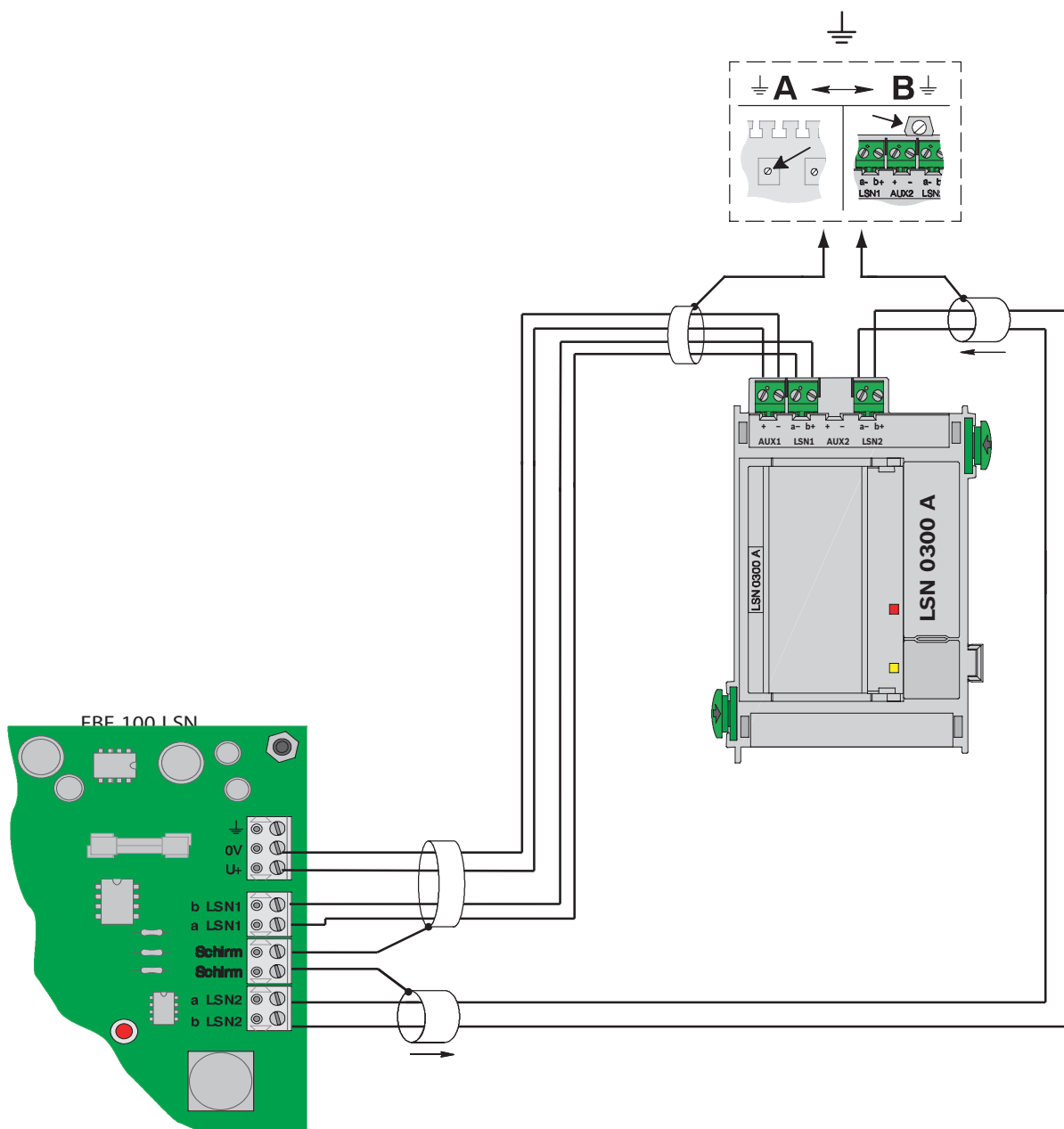
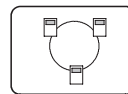


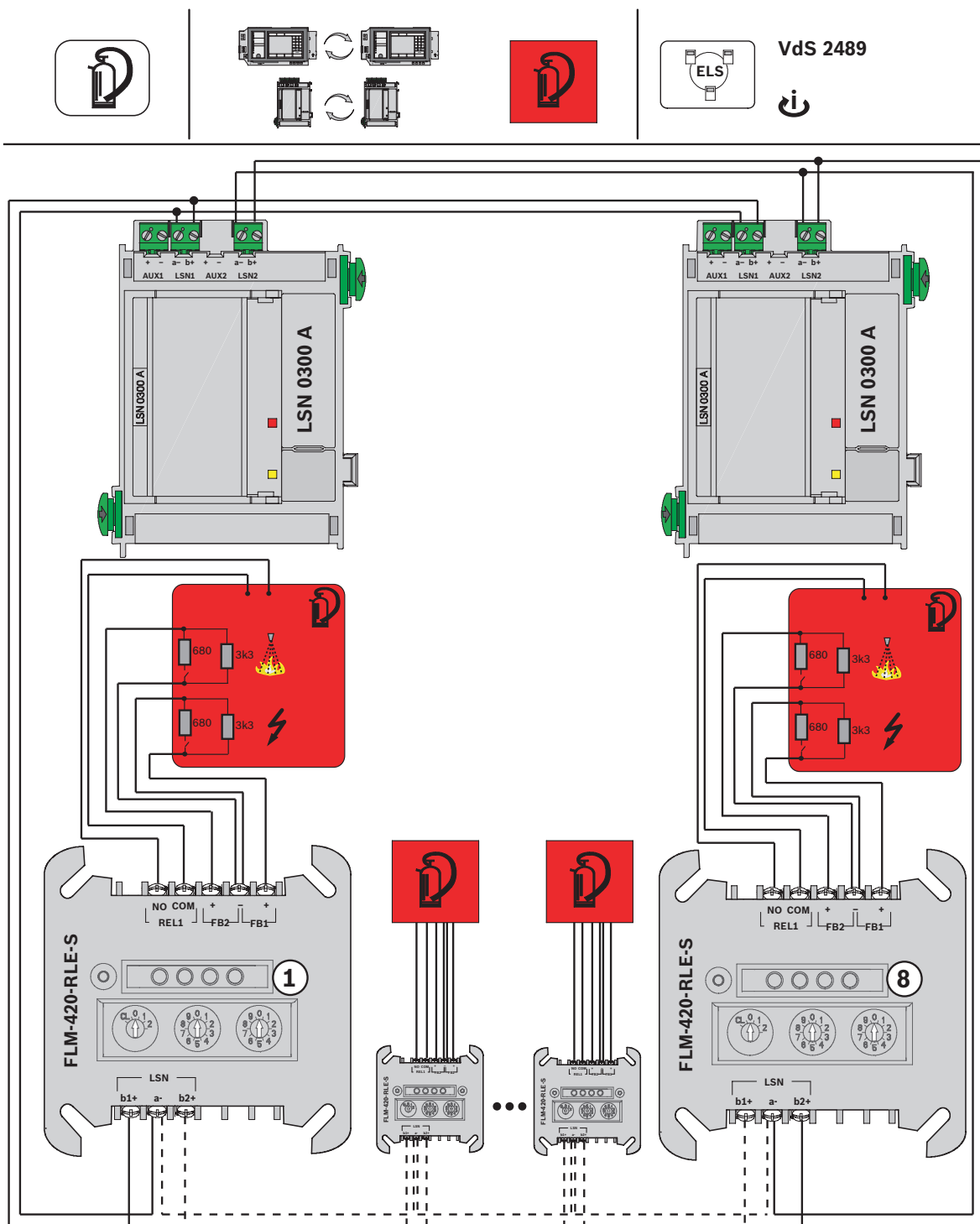
FNM-320V-A / -B

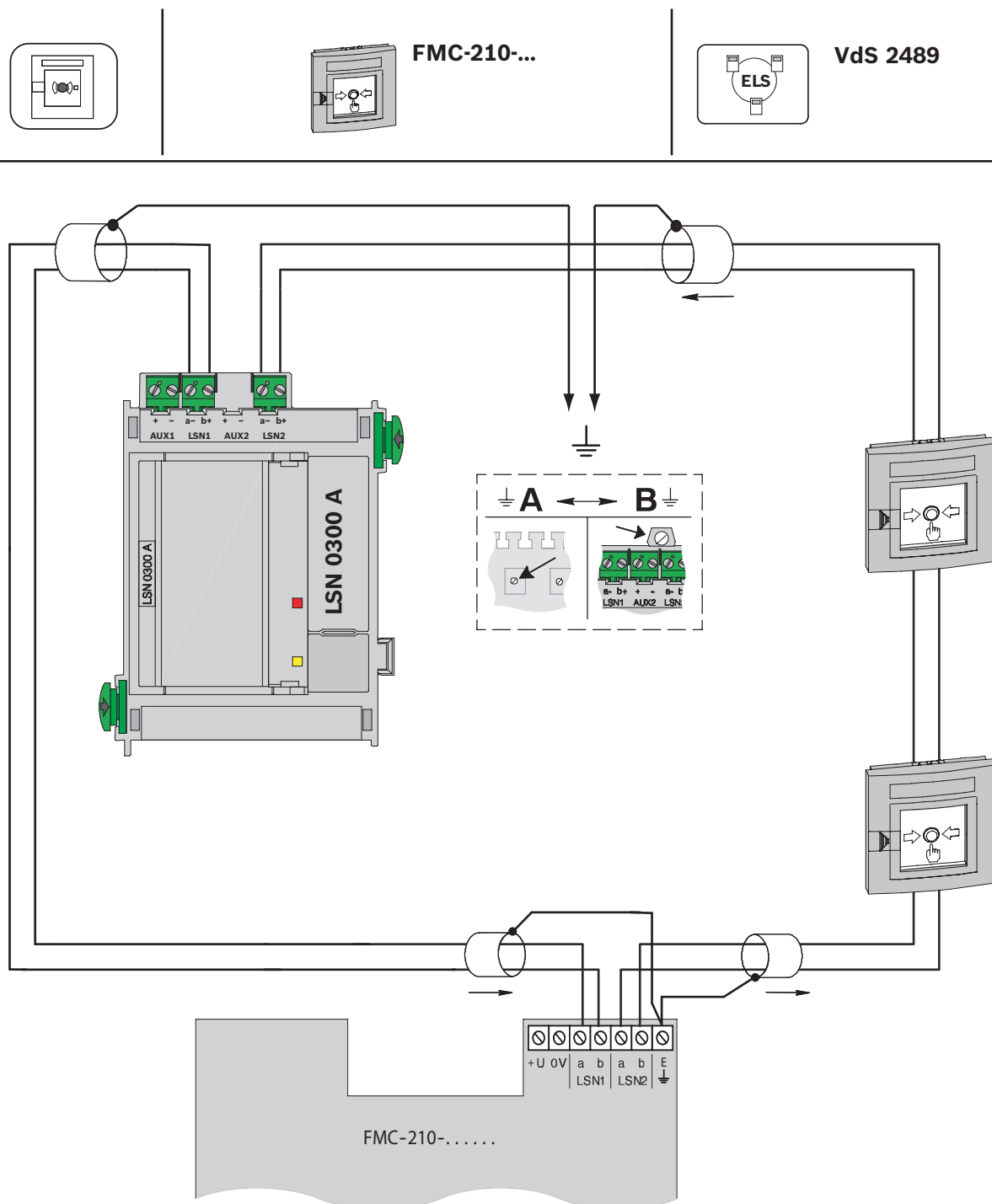


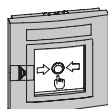
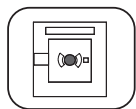


FBF 100 LSN

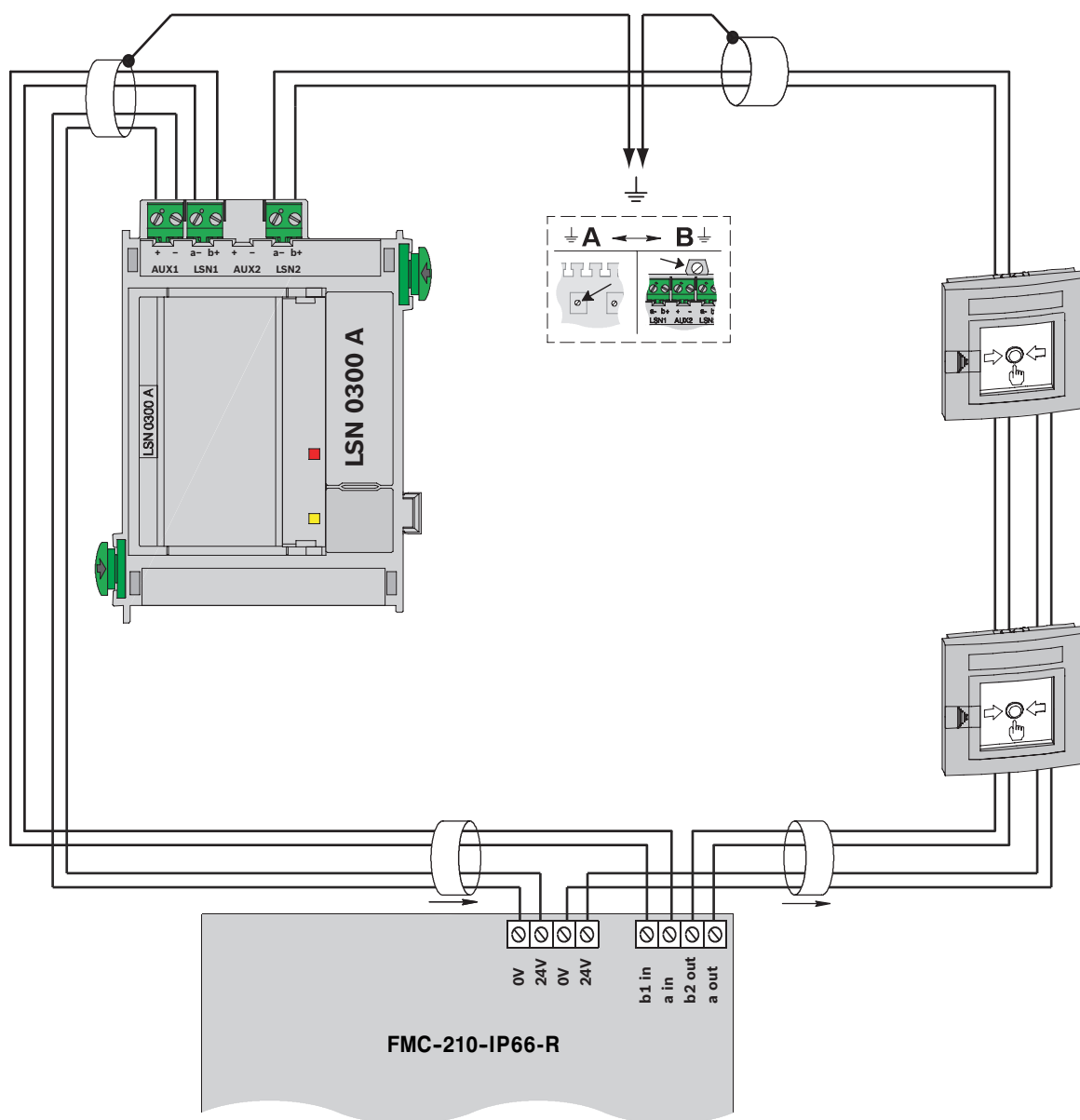
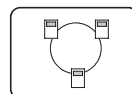


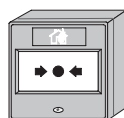
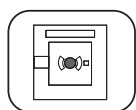




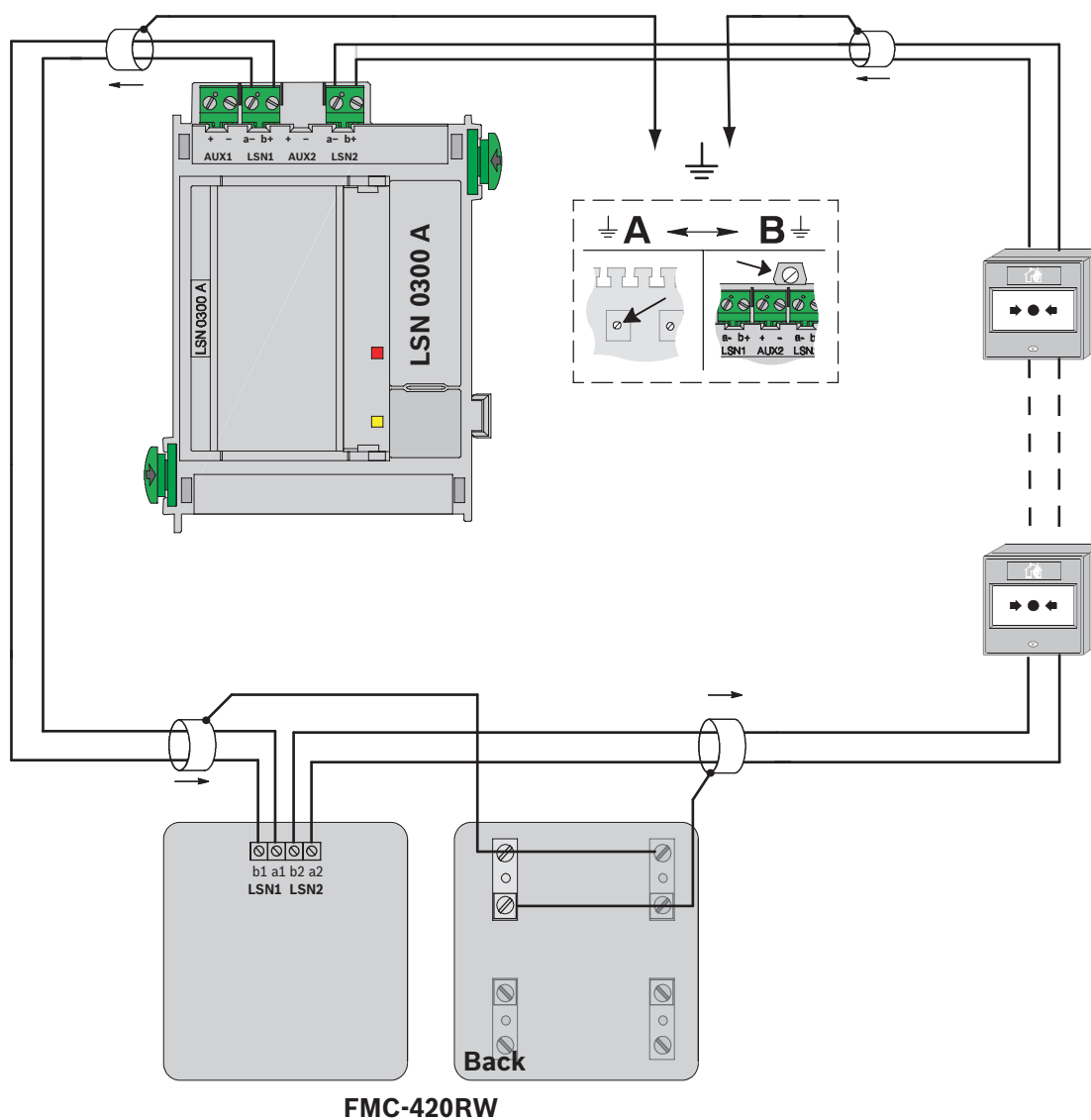
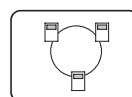


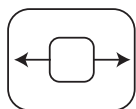
FMC-210-IP66-R



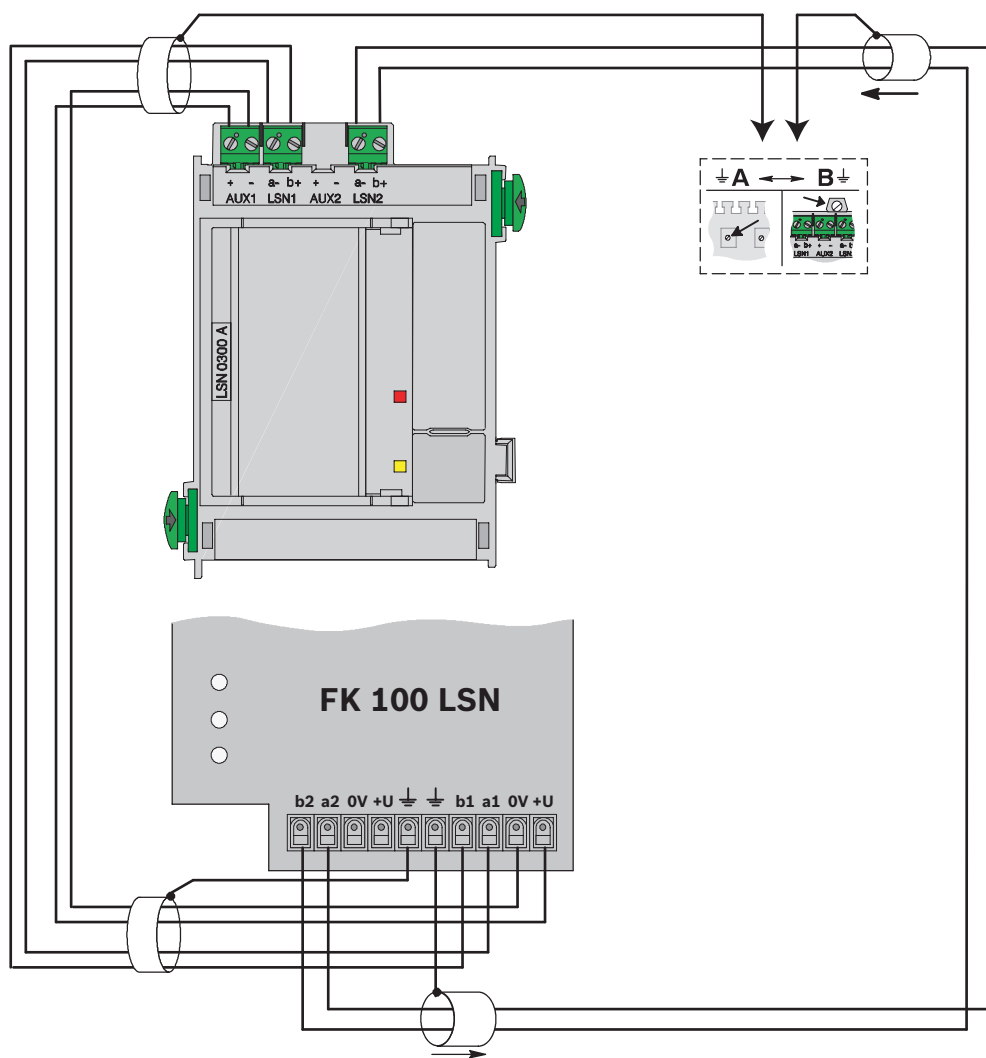
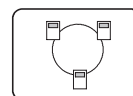


FMC-420RW-HSGRD
FMC-420RW-HSRRD
FMC-420RW-GFGRD
FMC-420RW-GFRRD
FMC-420RW-GSGRD
FMC-420RW-GSRRD



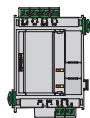
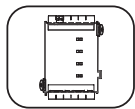


FK 100 LSN

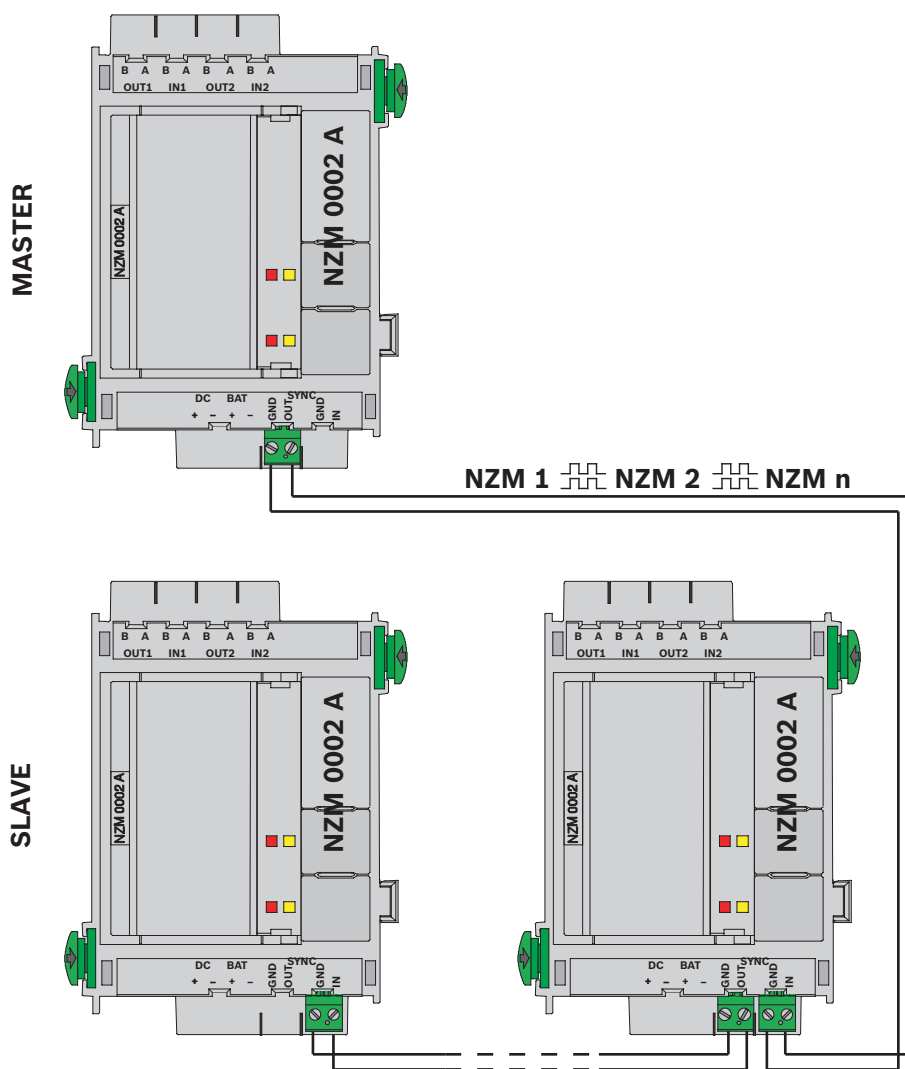


3.3.5

NZM 0002 A

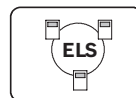


NZM 0002 A

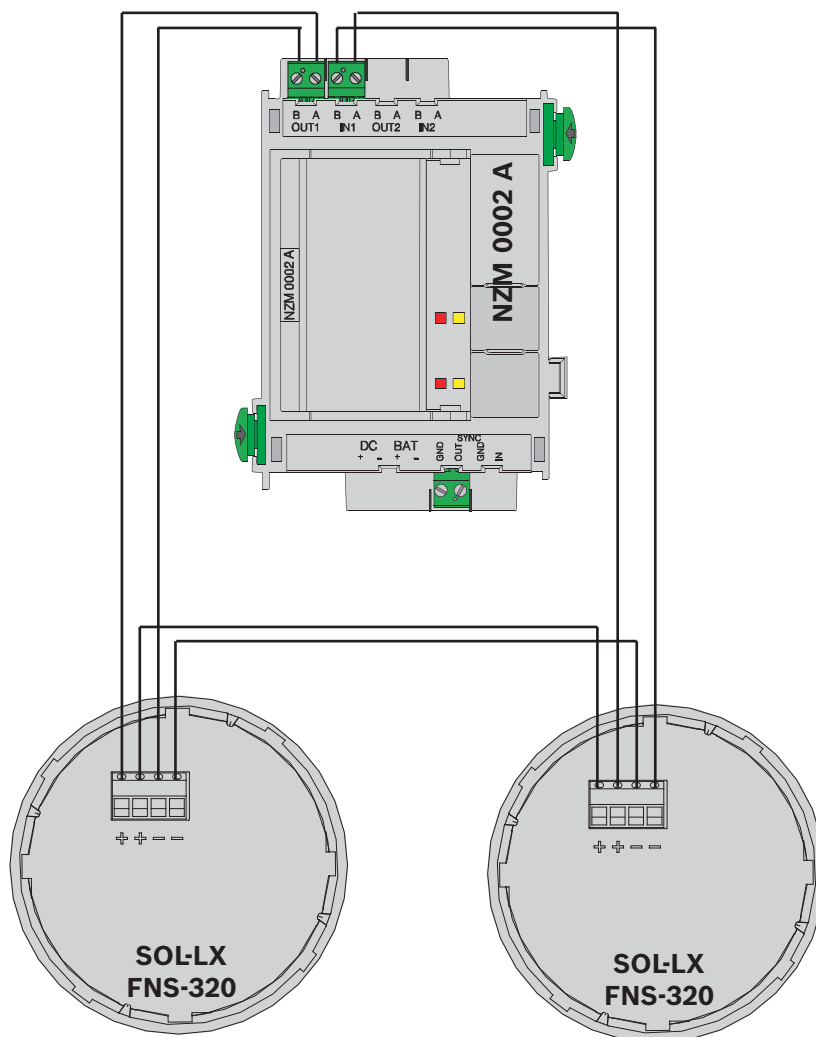


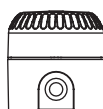


**SOL-LX
FNS-320**

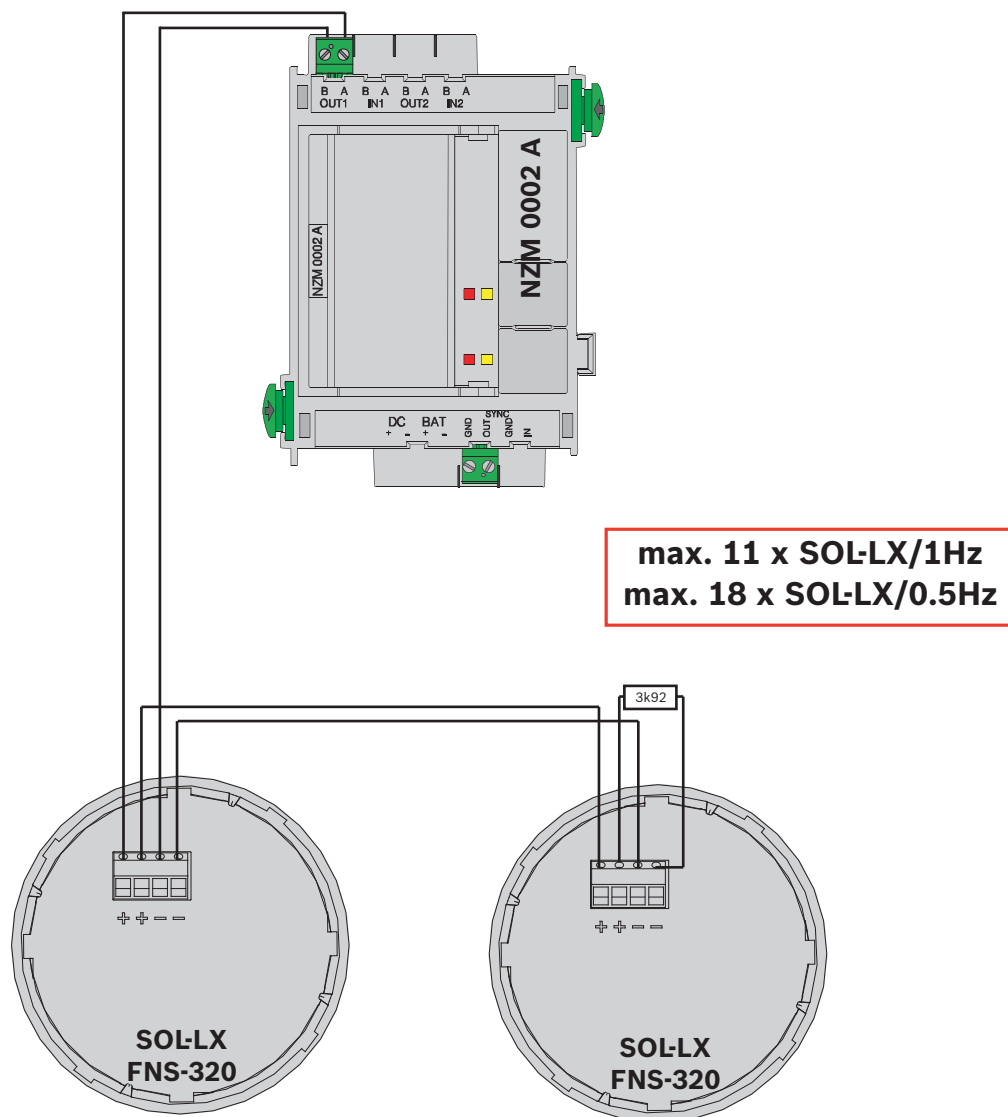
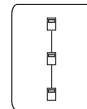


VdS 2489



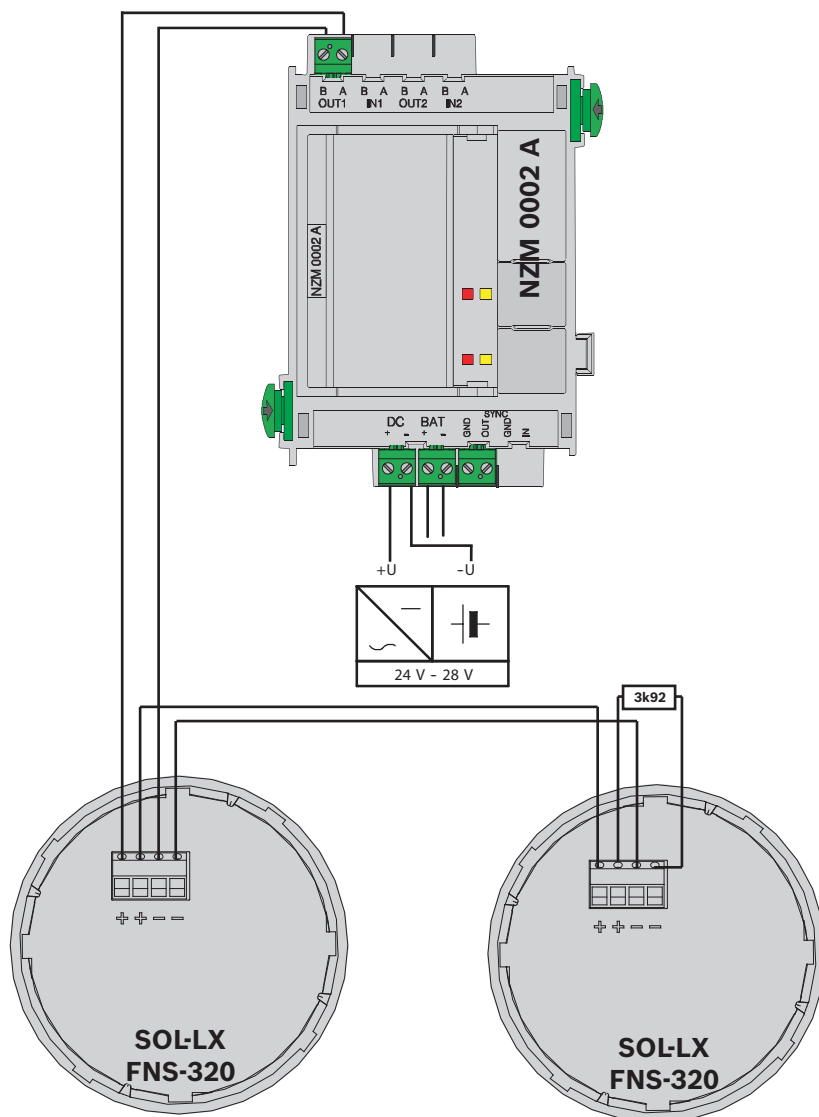
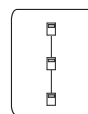


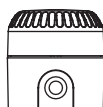
**SOL-LX
FNS-320**



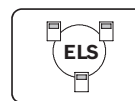


**SOL-LX
FNS-320**

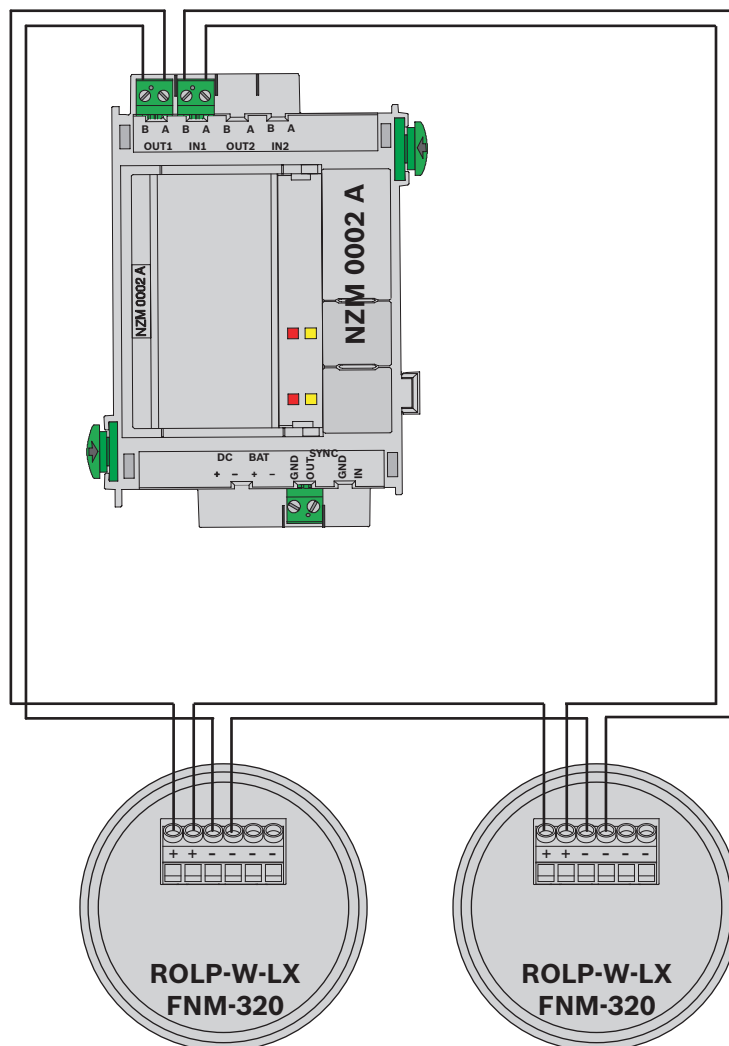


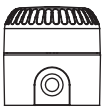


**ROLP-W-LX
FNM-320**

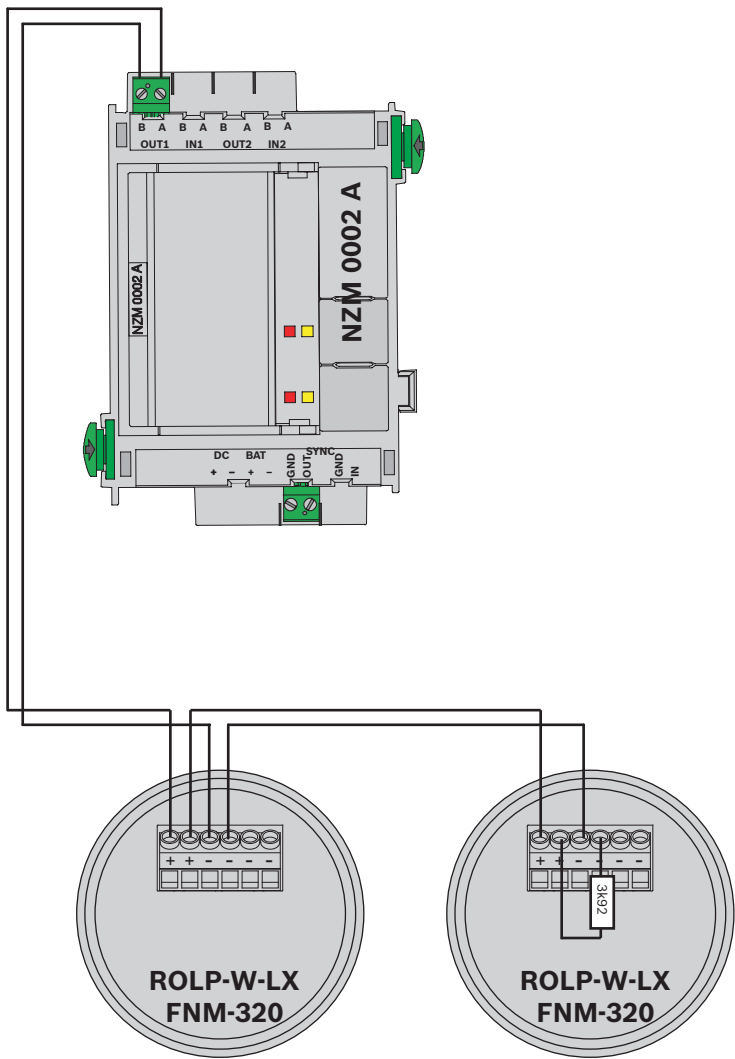
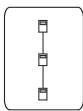


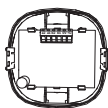
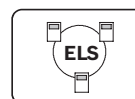
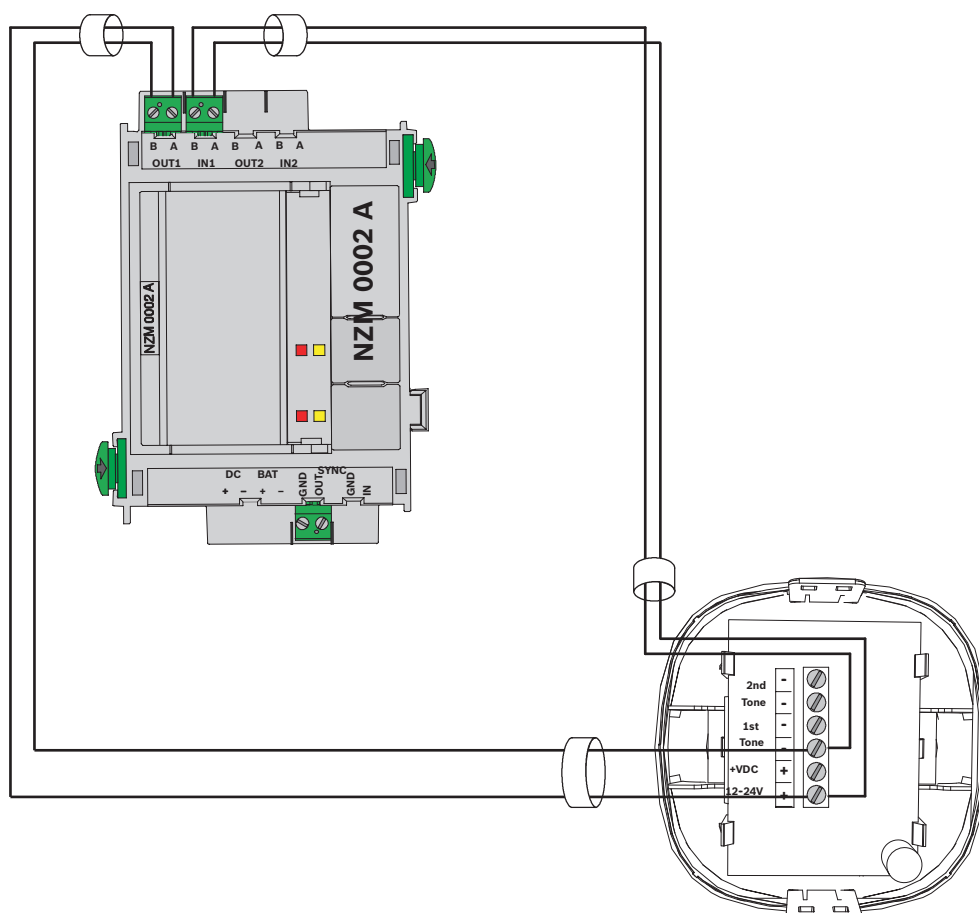
VdS 2489

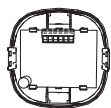
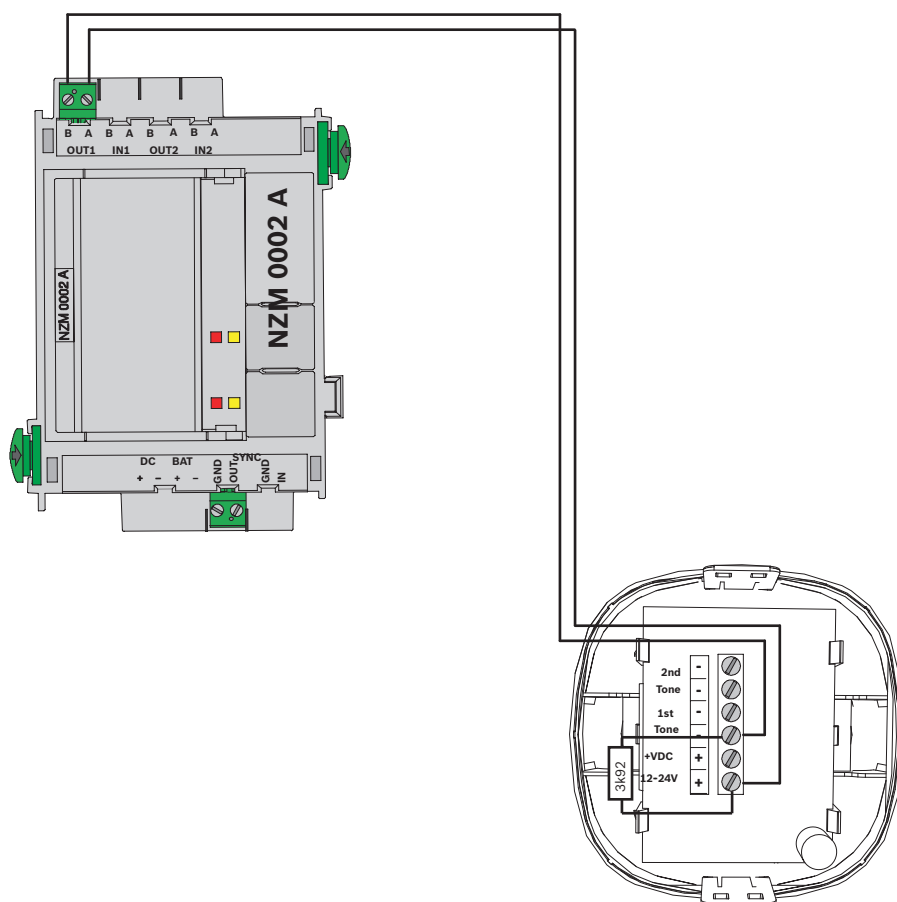
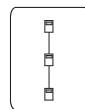


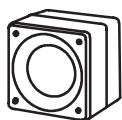
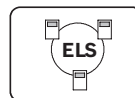
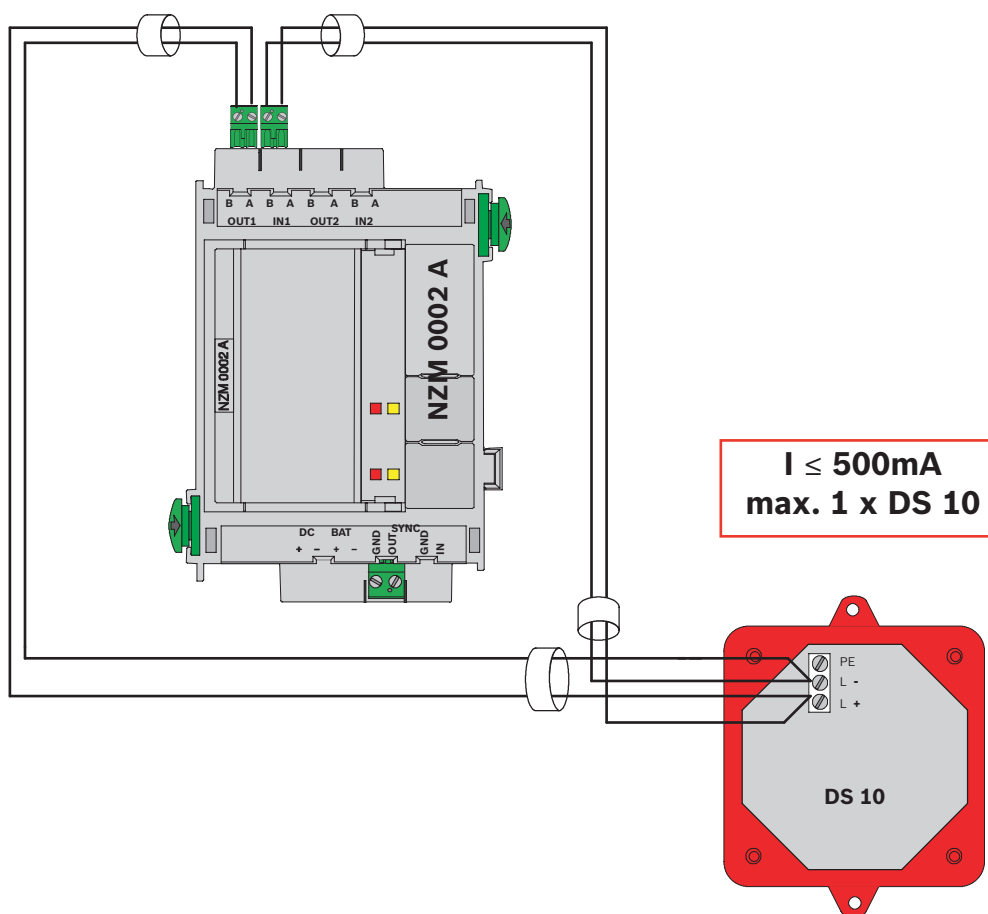


**ROLP-W-LX
FNM-320**



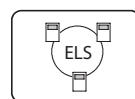
**FNM-320V-A / -B****VdS 2489**

**FNM-320V-A / -B**

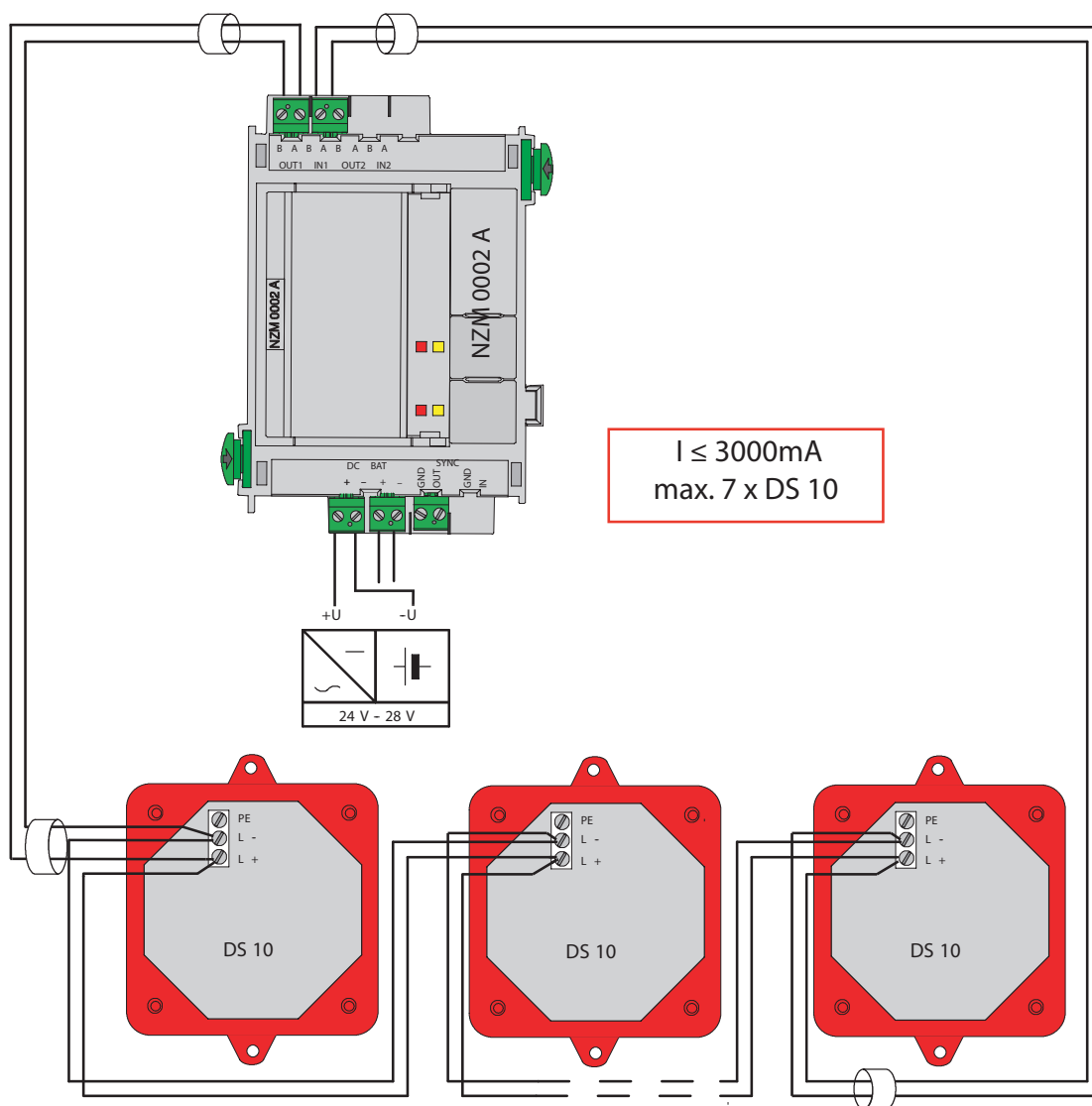
**DS 10****VdS 2489**

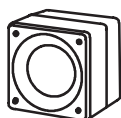
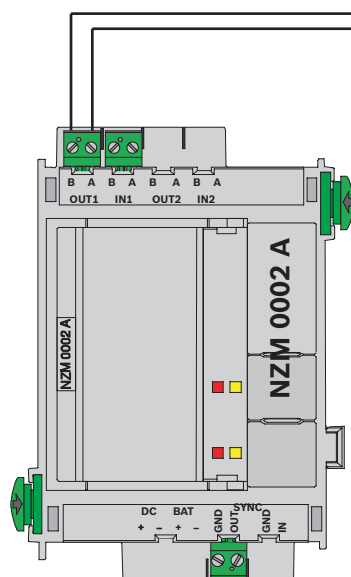
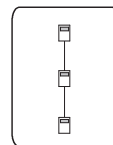


DS 10

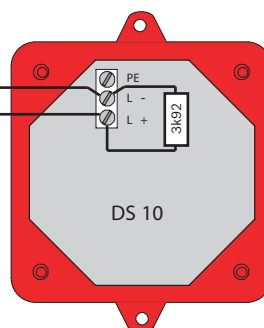


VdS 2489



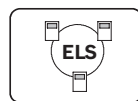
**DS 10**

$I \leq 500\text{mA}$
max. 1 x DS 10

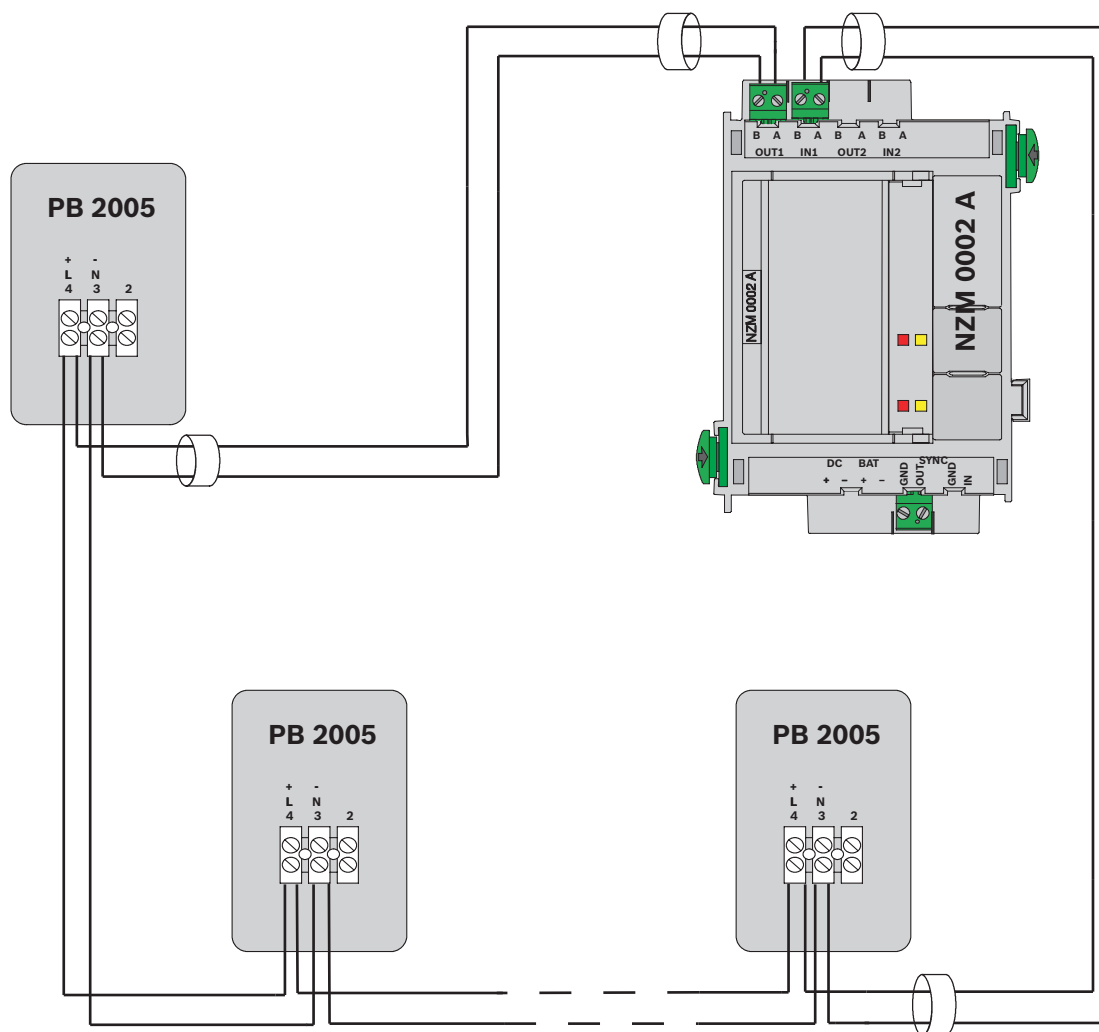


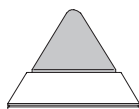
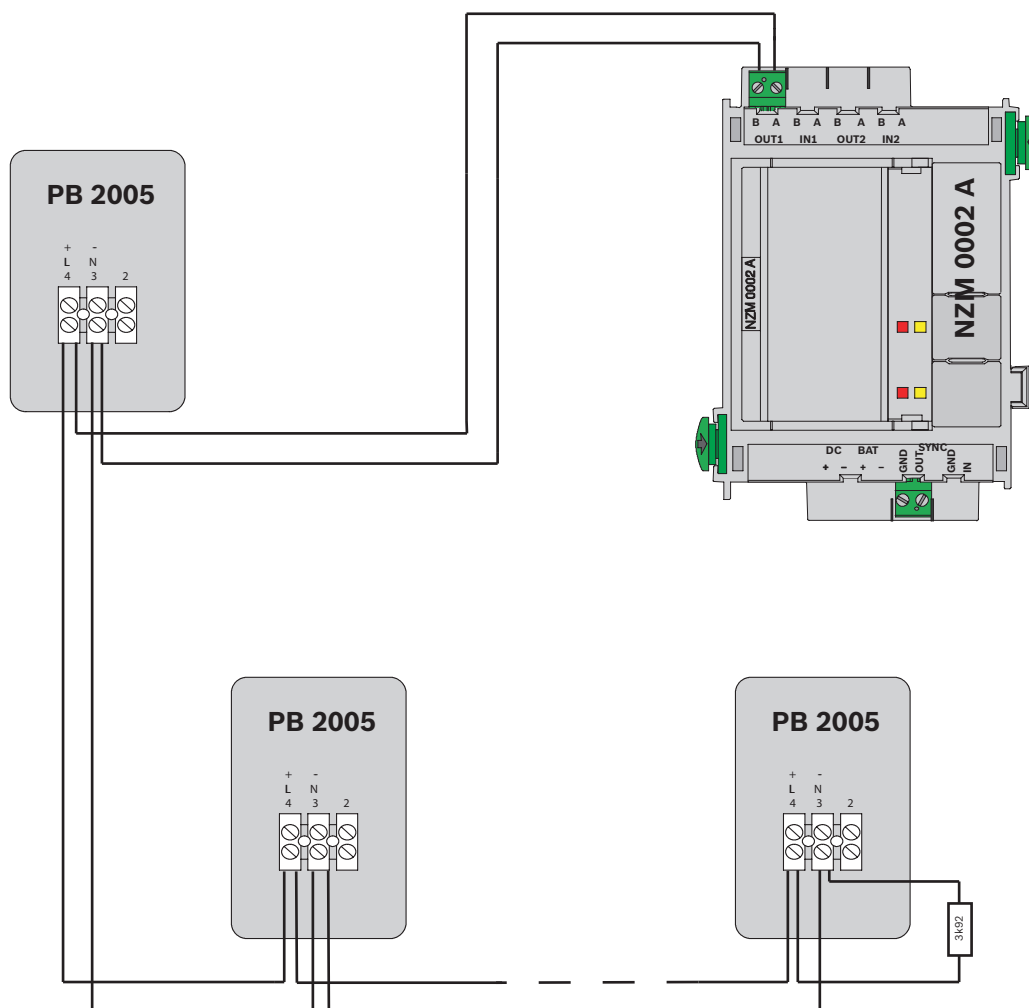
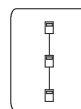


PB 2005



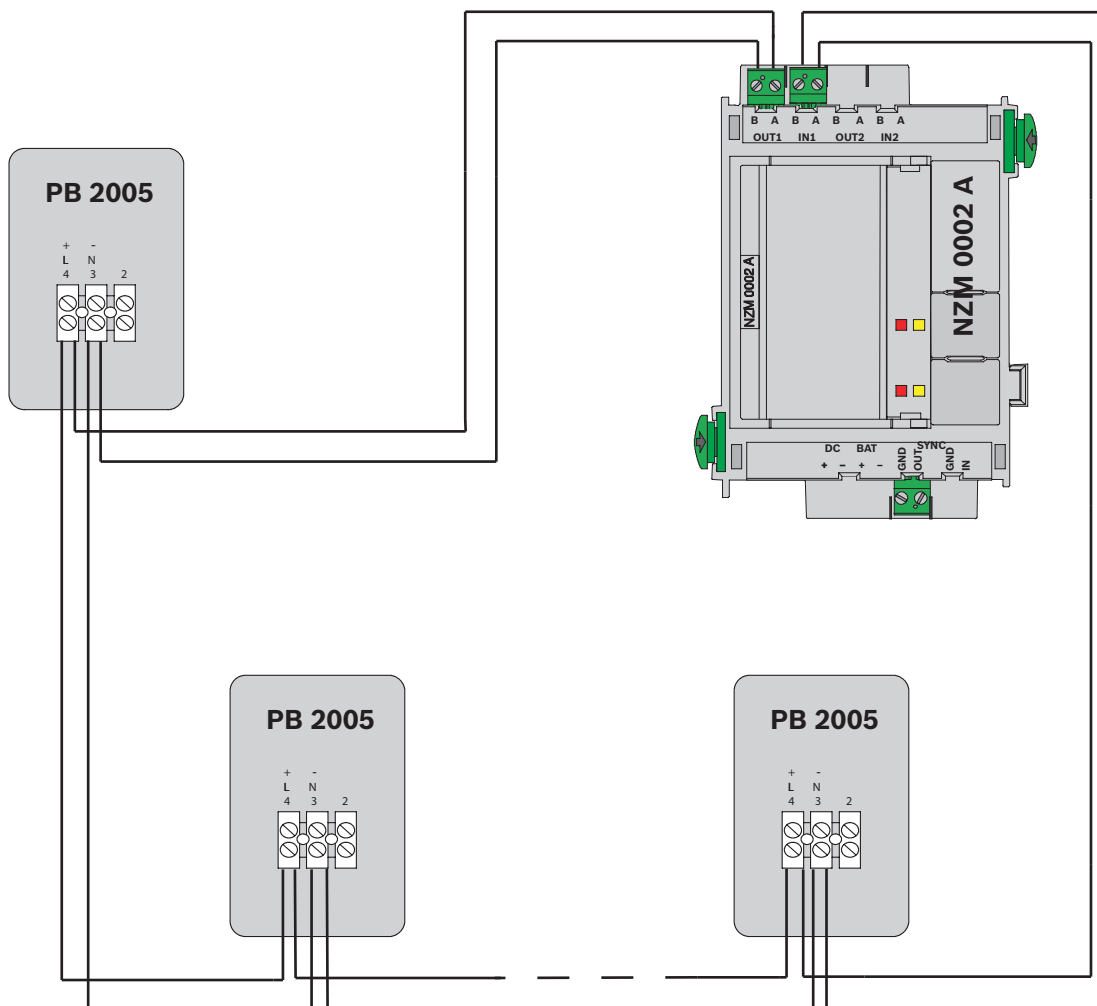
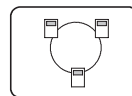
VdS 2489



**PB 2005**

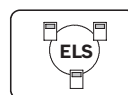


PB 2005

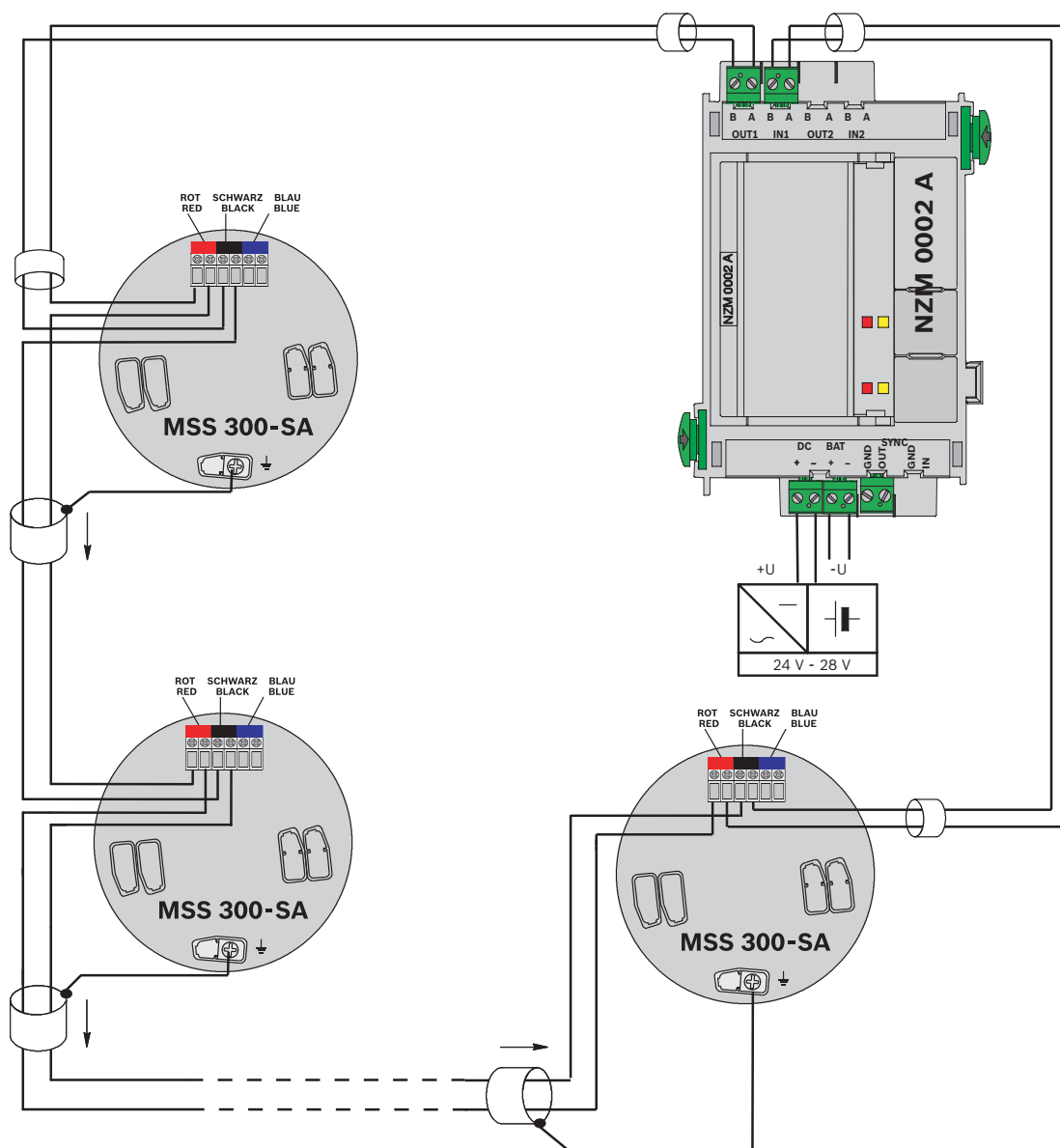




MSS 300-SA

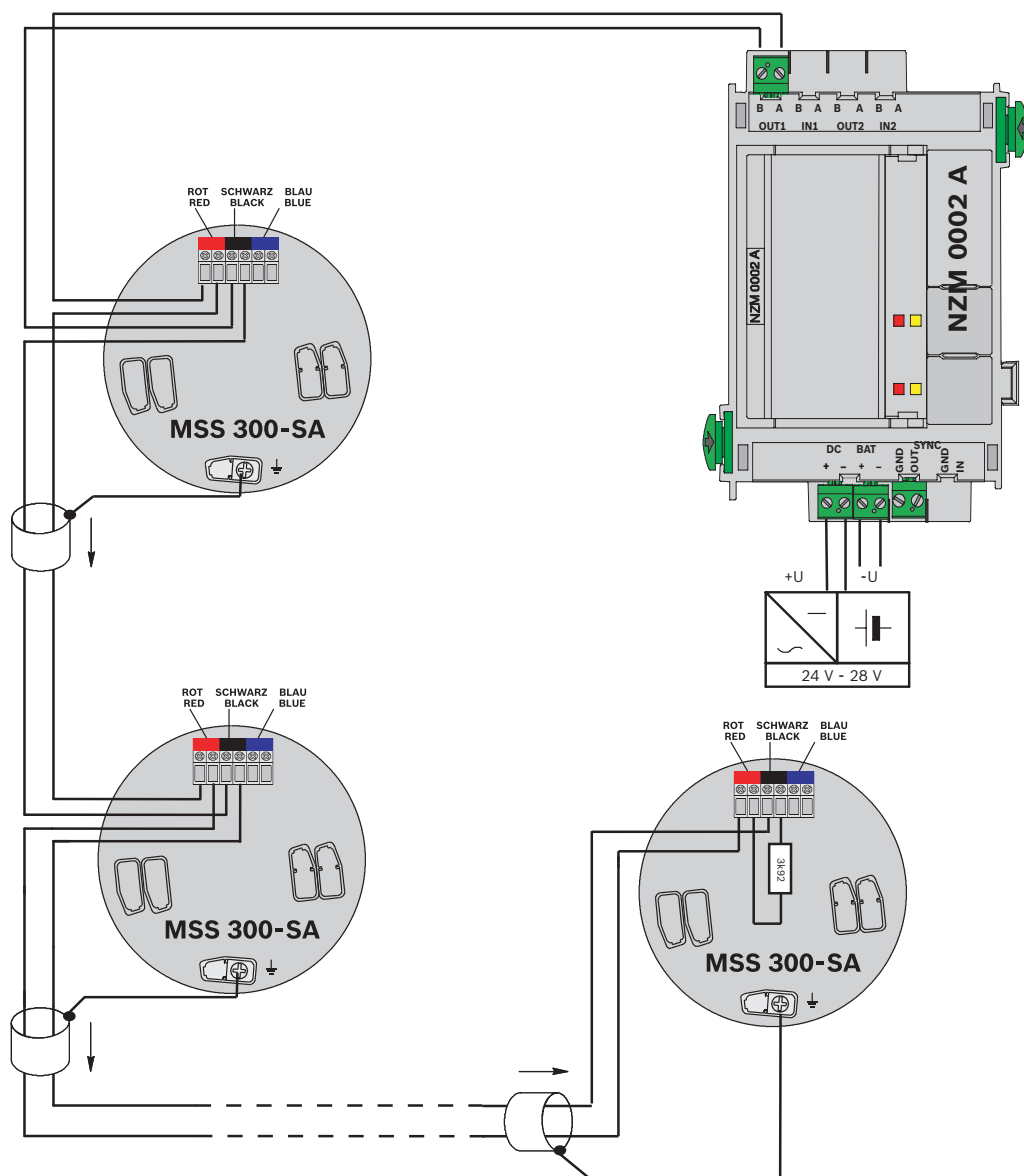
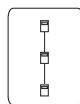


VdS 2489





MSS 300-SA



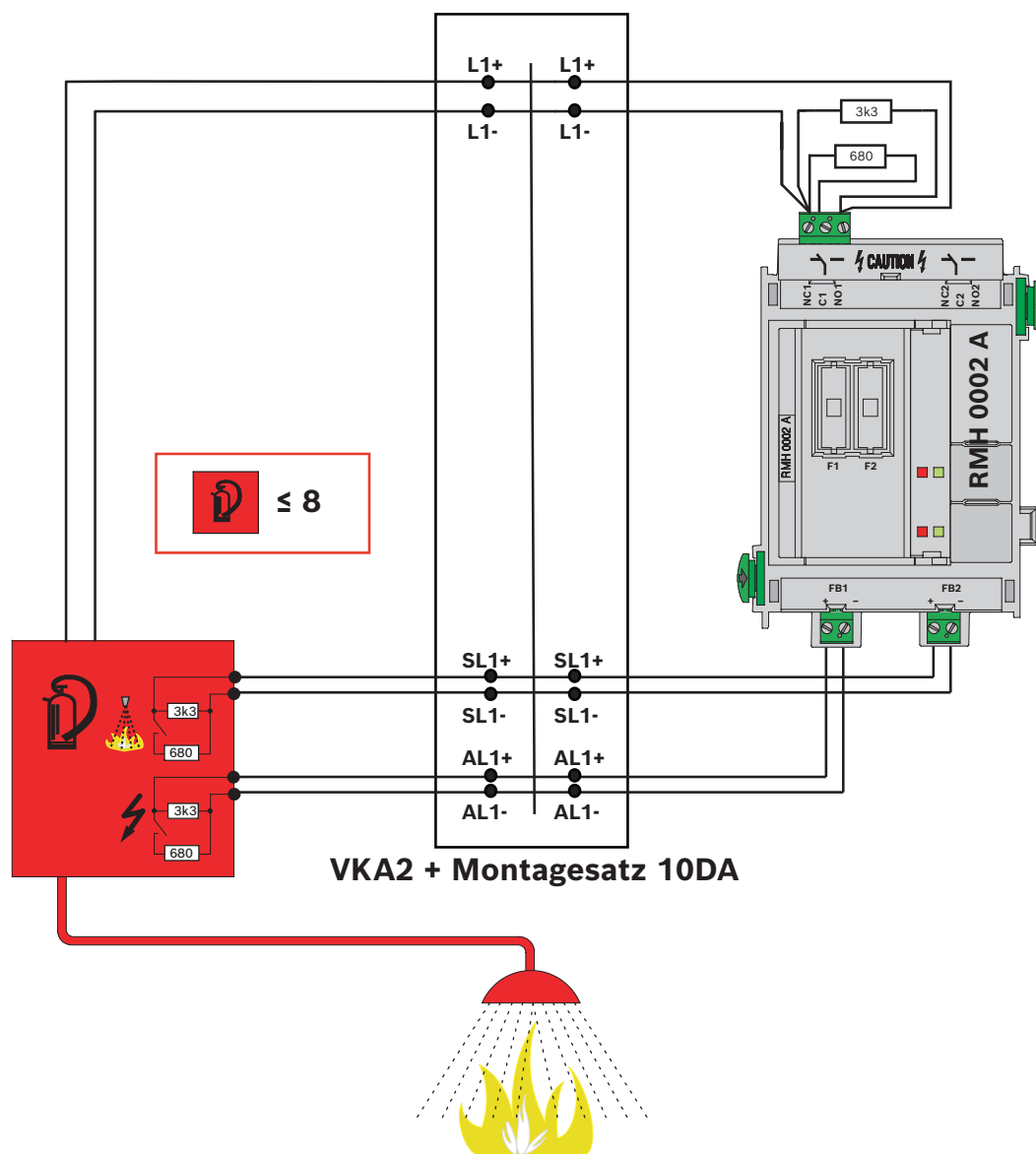
3.3.6

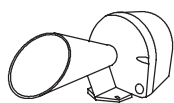
RMH 0002 A



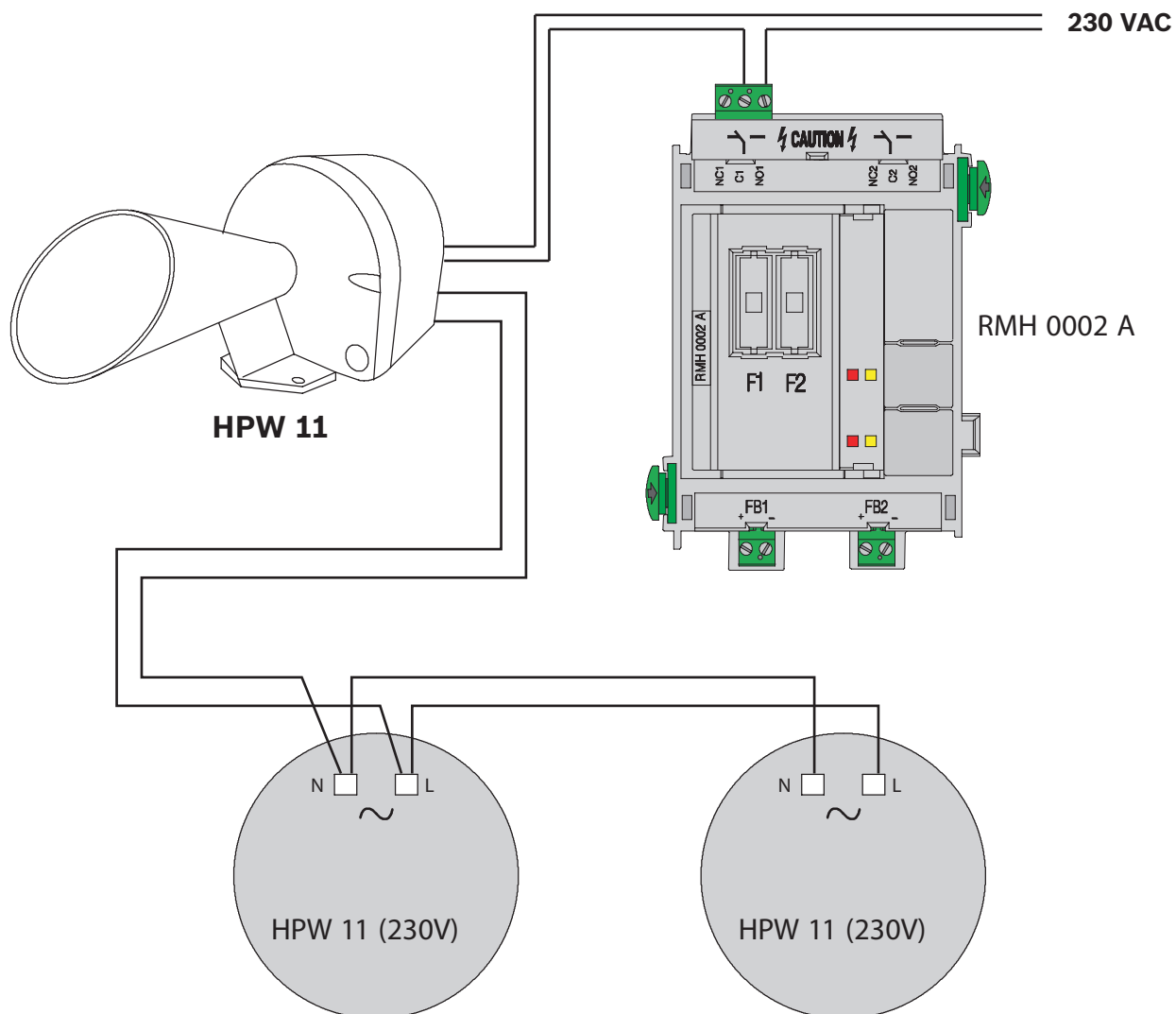
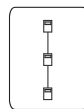
Löschanlage

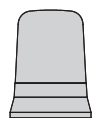
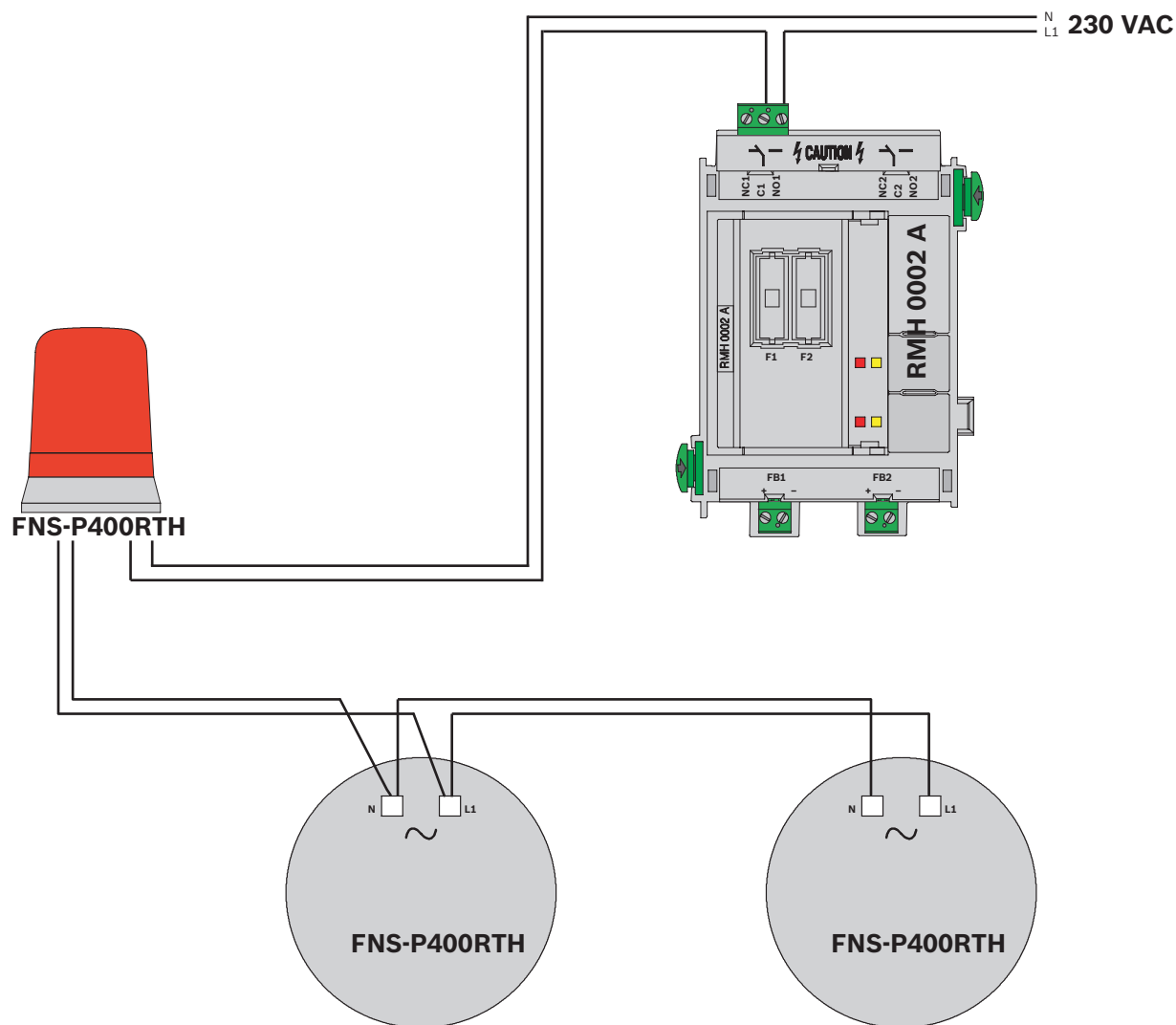
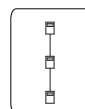
VdS 2496:2005-09





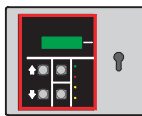
HPW 11



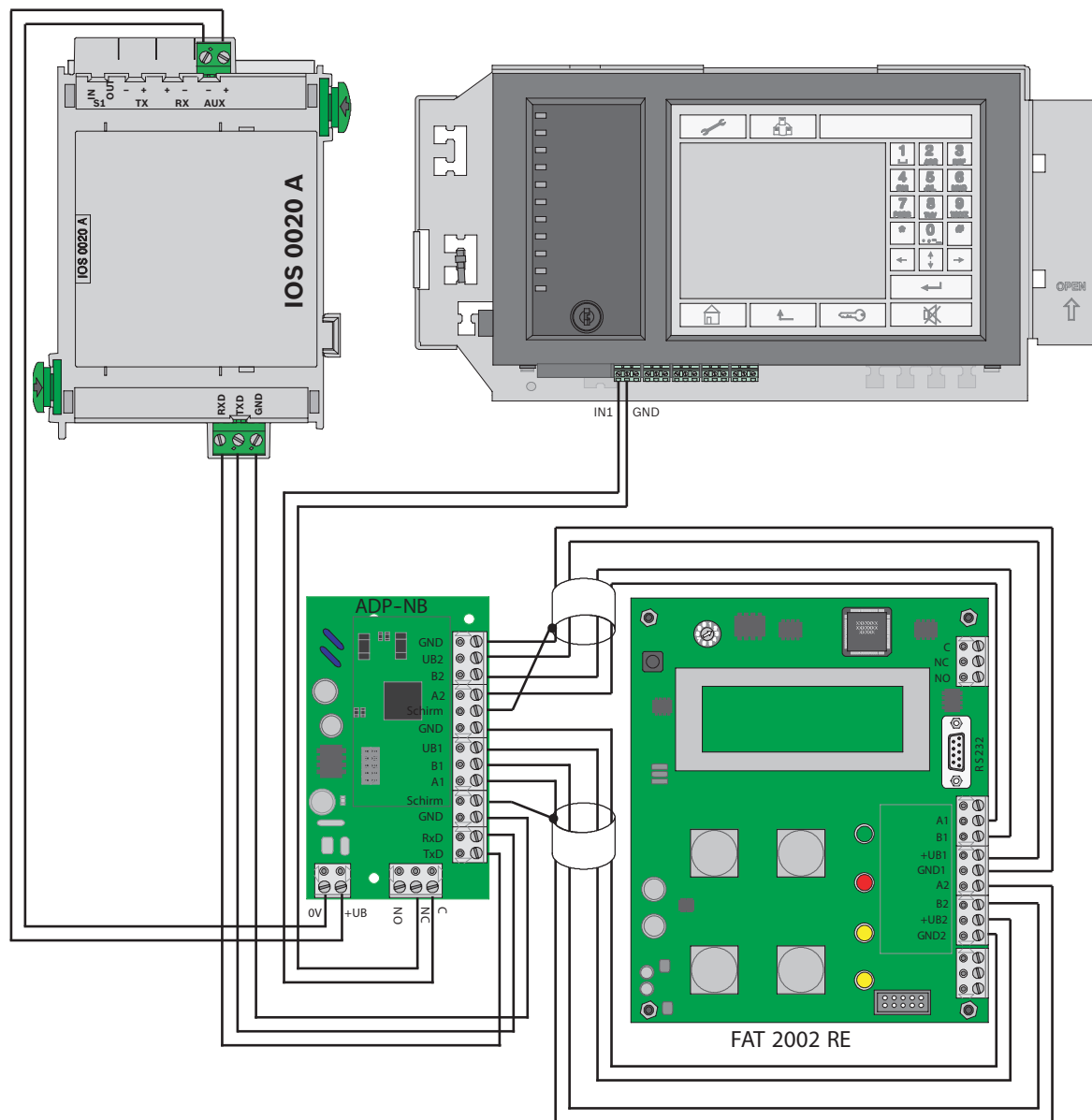
**FNS-P400RTH**

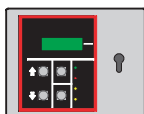
3.3.7

IOS 0020 A

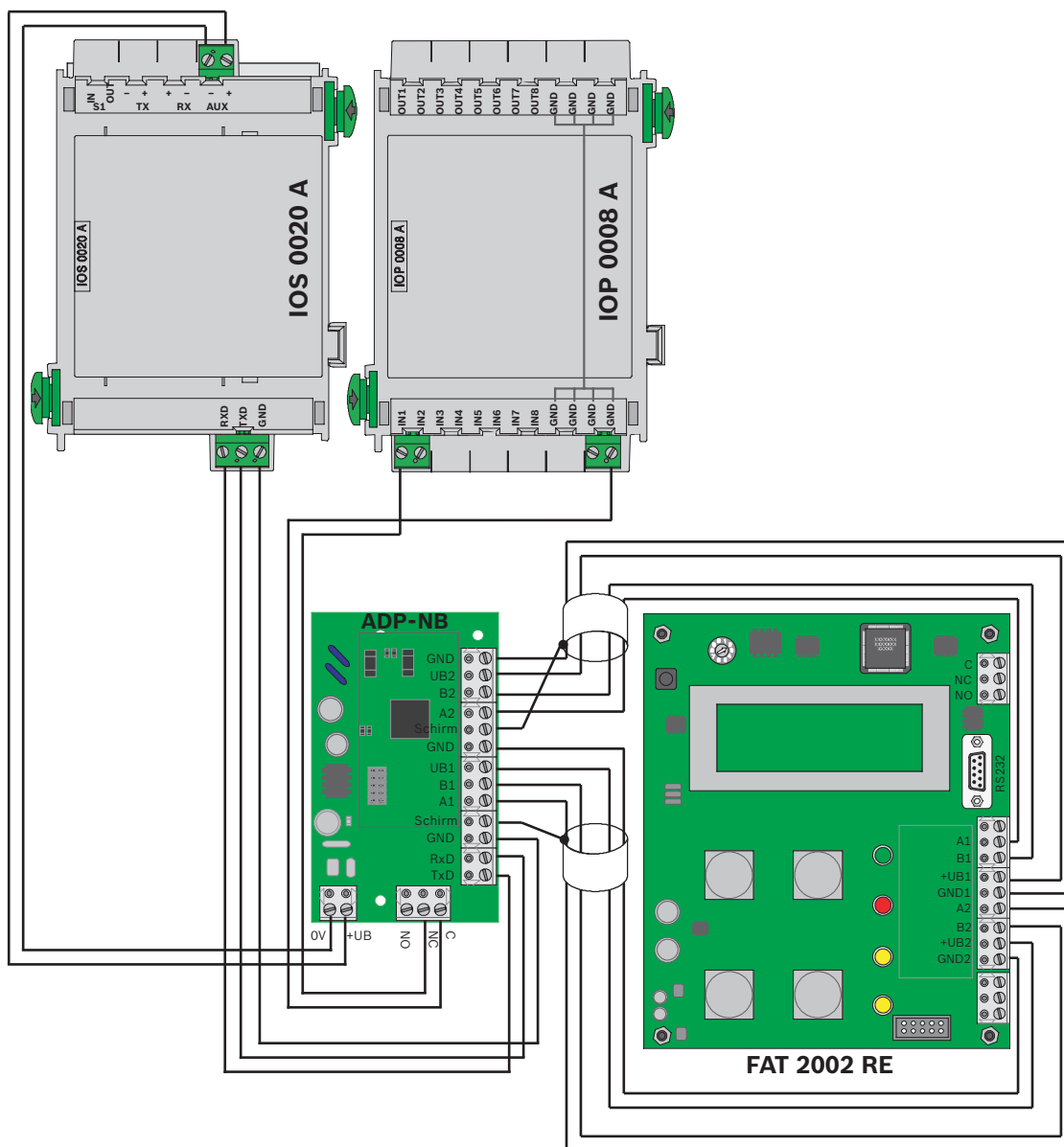


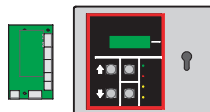
**FAT 2002 RE
ADP-NB**



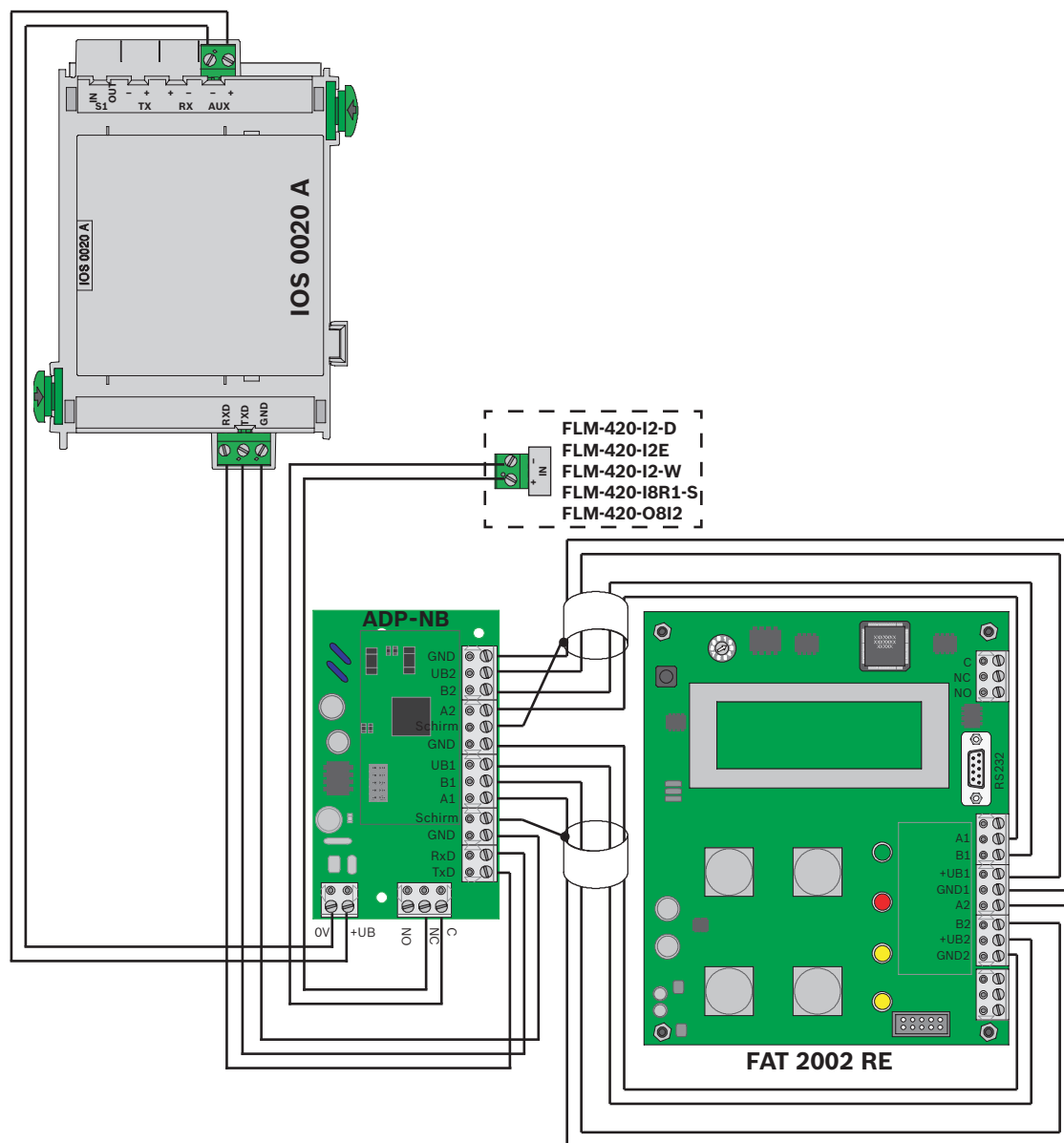


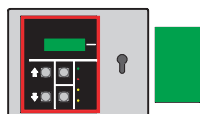
**FAT 2002 RE
ADP-NB**



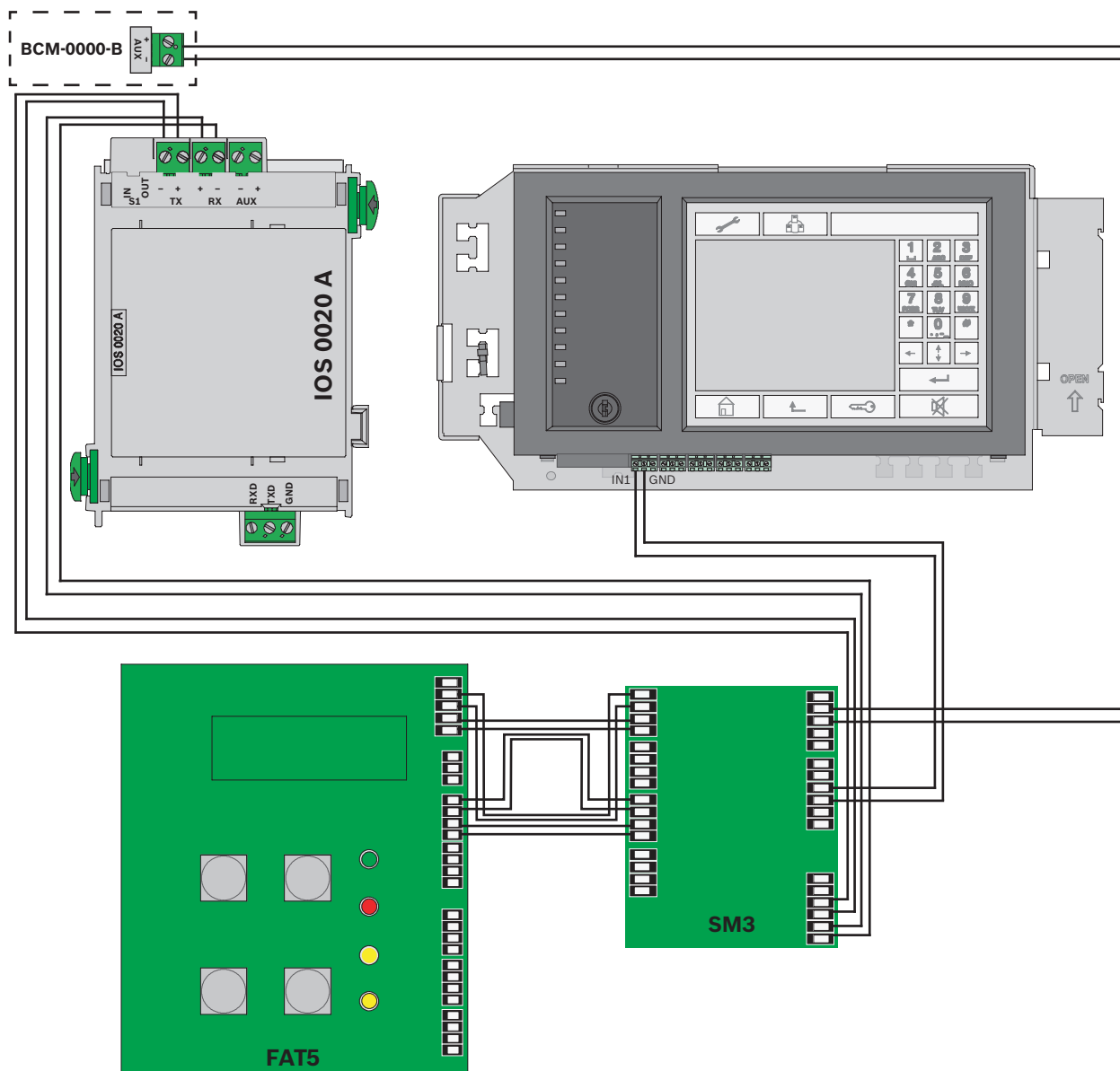


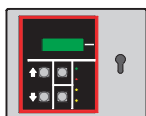
**FAT 2002 RE
ADP-NB**



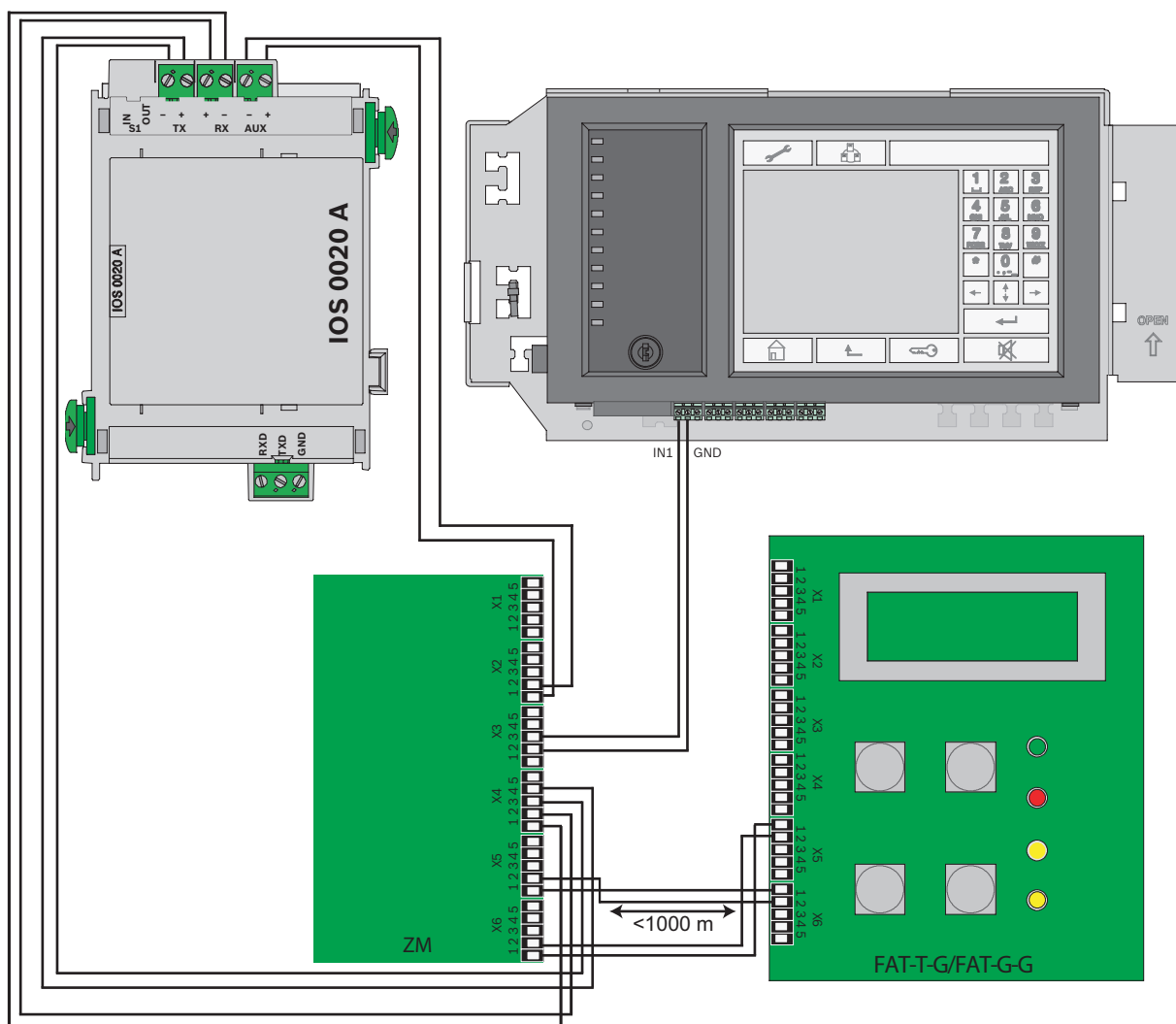


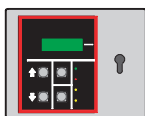
FAT5
SM3



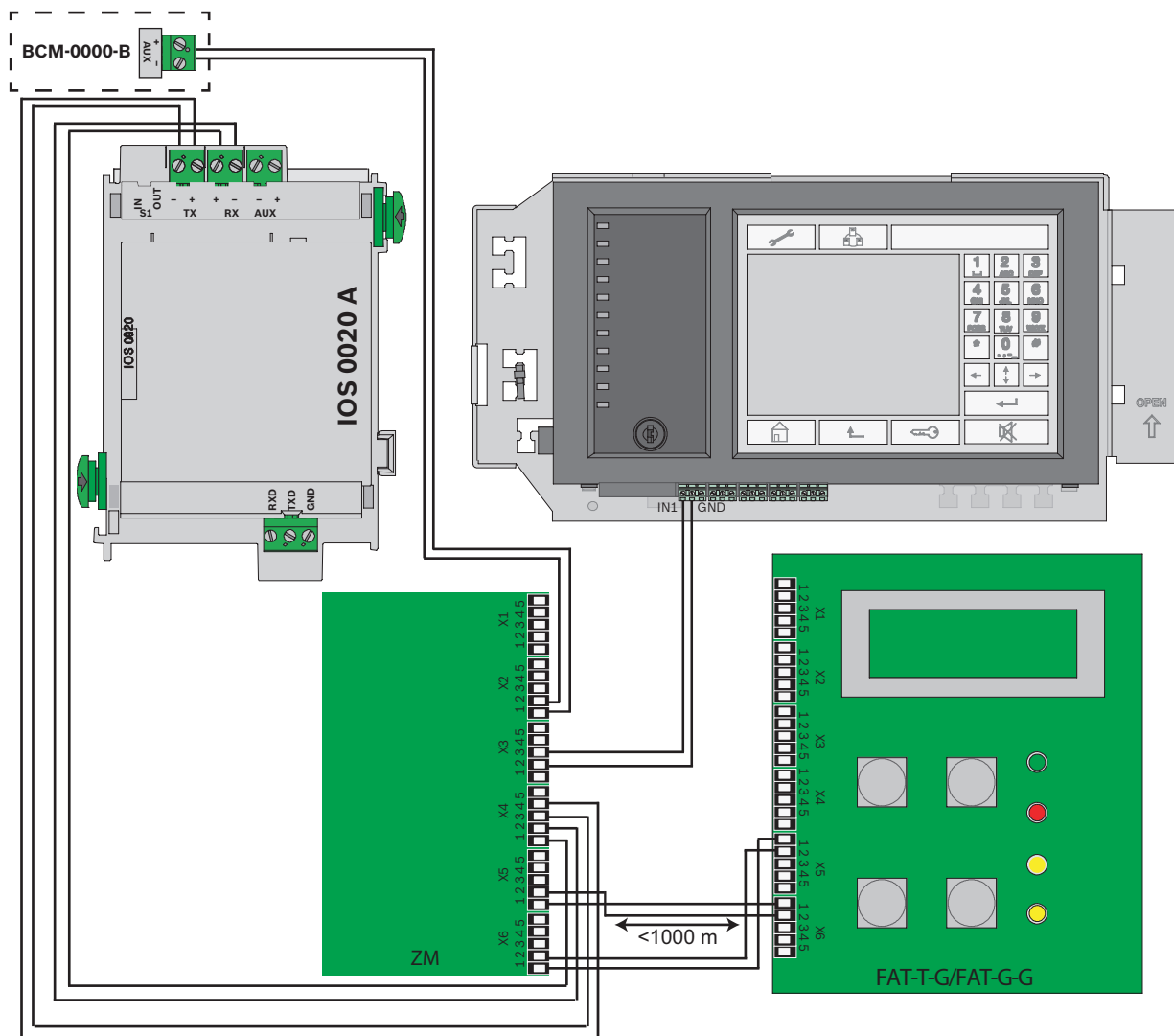


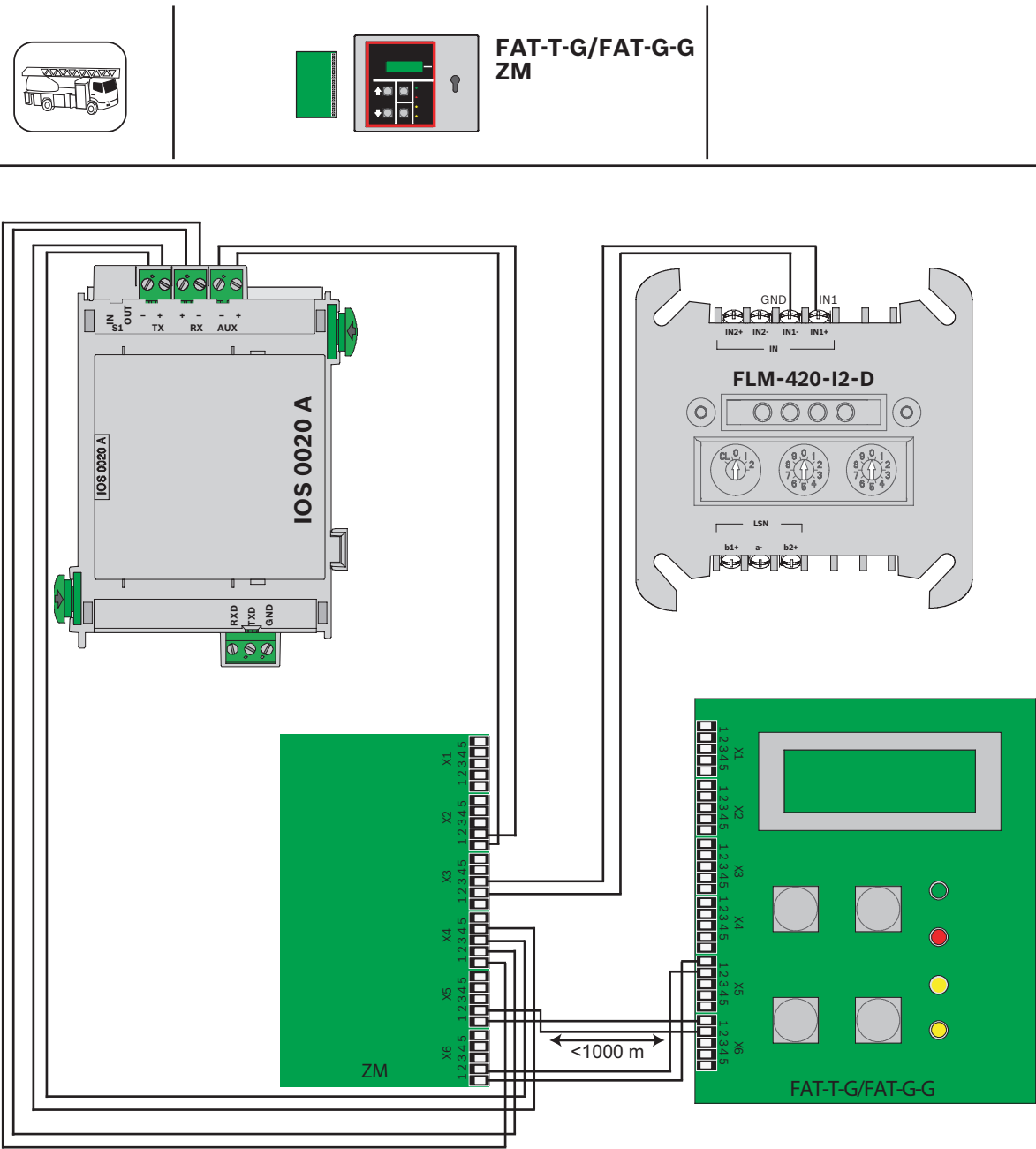
FAT-T-G/FAT-G-G
ZM

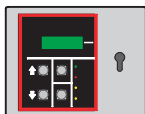




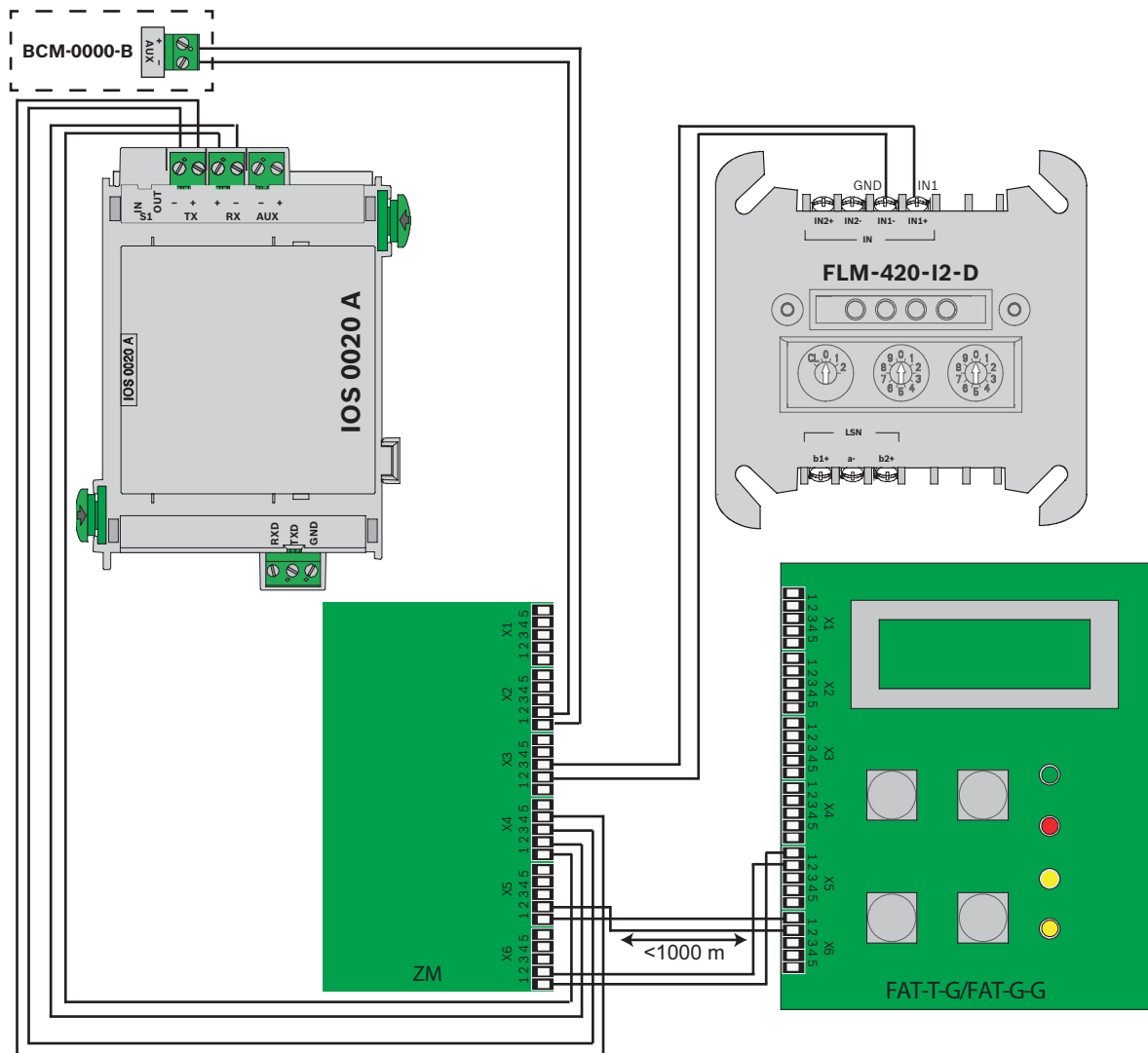
**FAT-T-G/FAT-G-G
ZM**

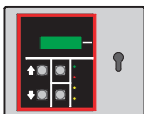




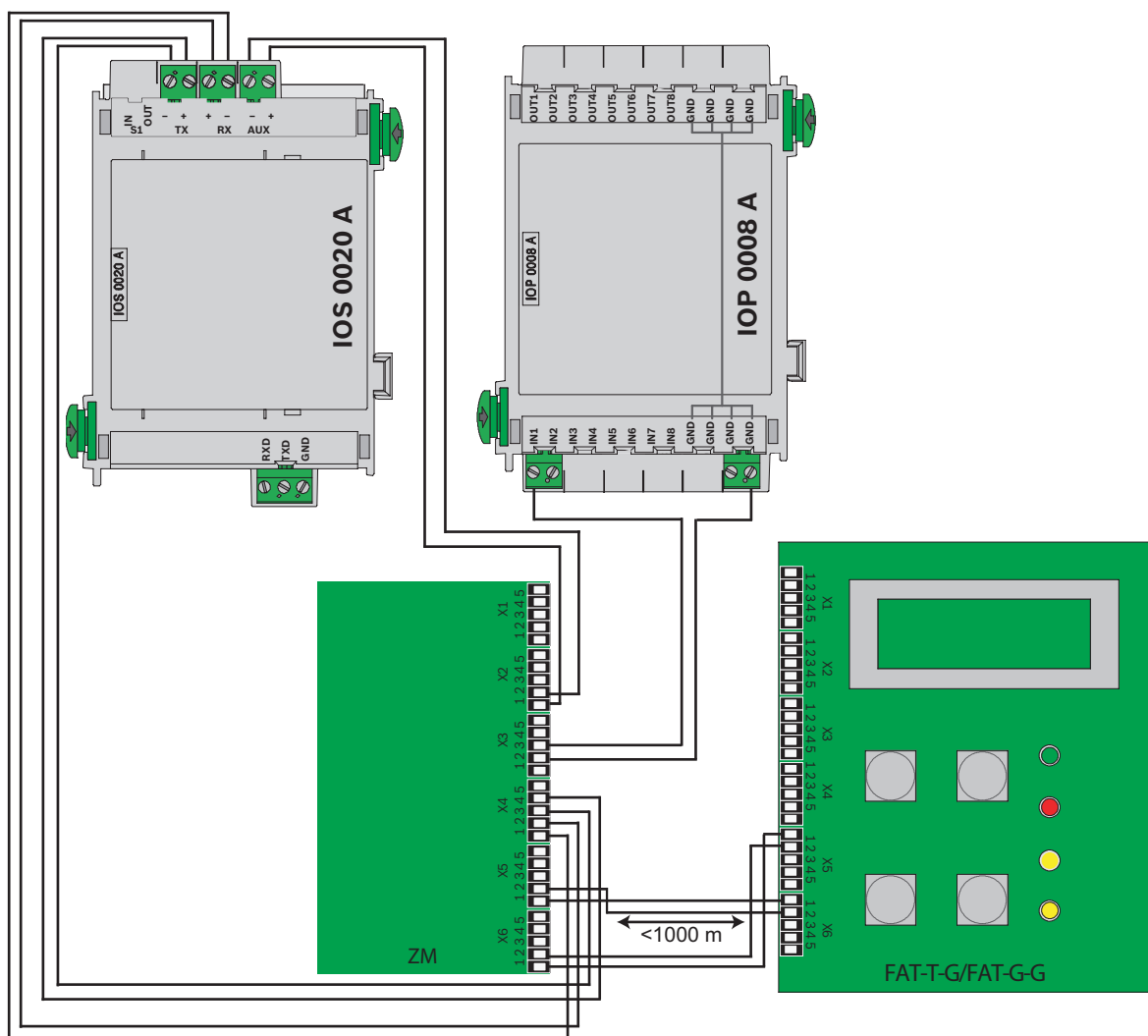


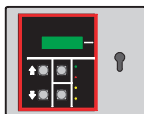
**FAT-T-G/FAT-G-G
ZM**



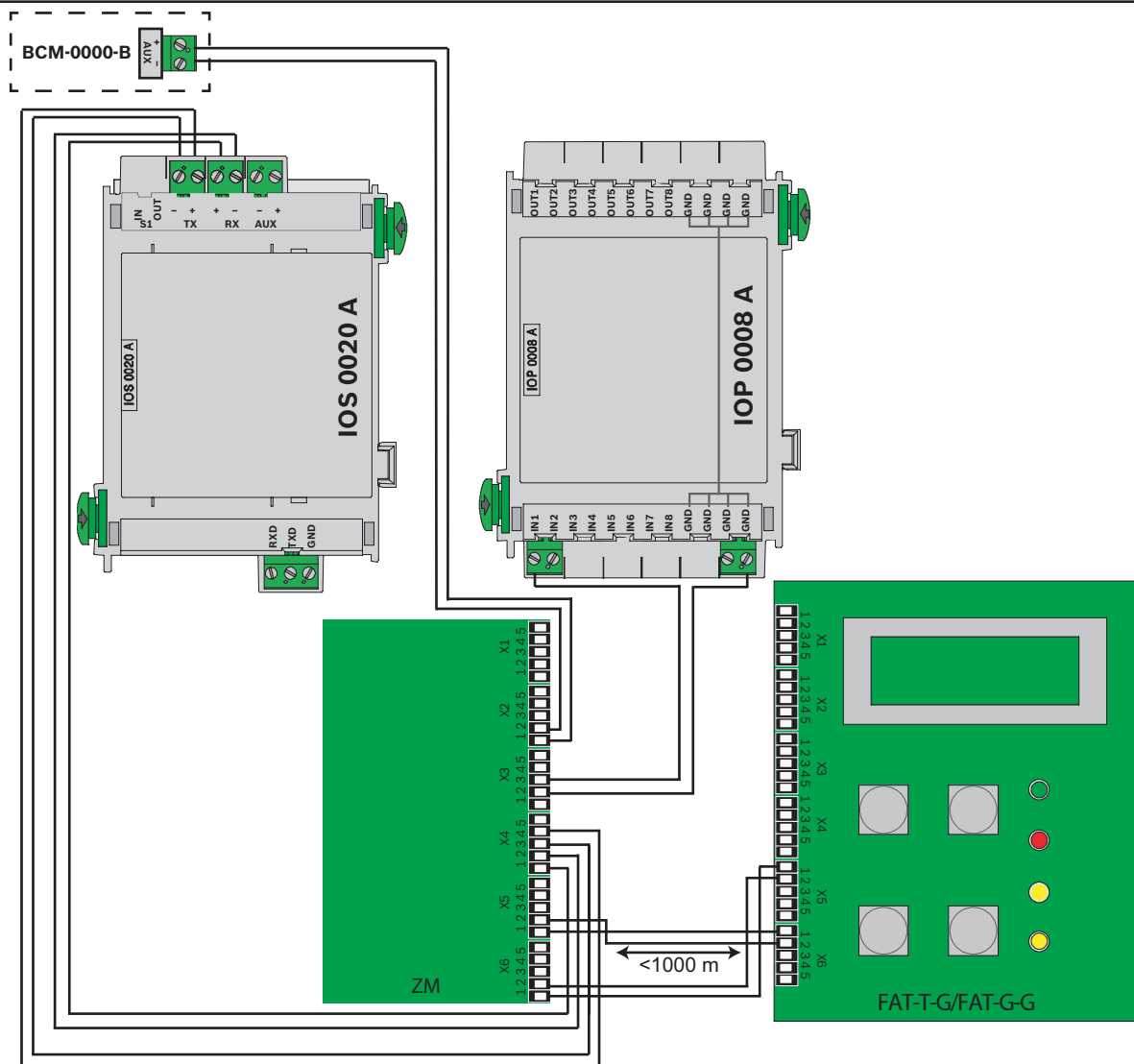


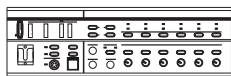
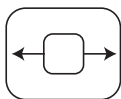
**FAT-T-G/FAT-G-G
ZM**



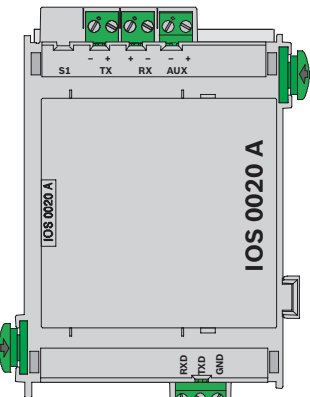
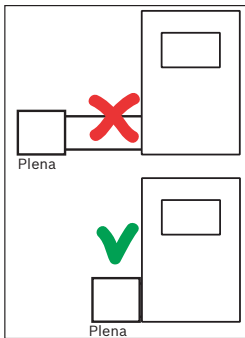


**FAT-T-G/FAT-G-G
ZM**

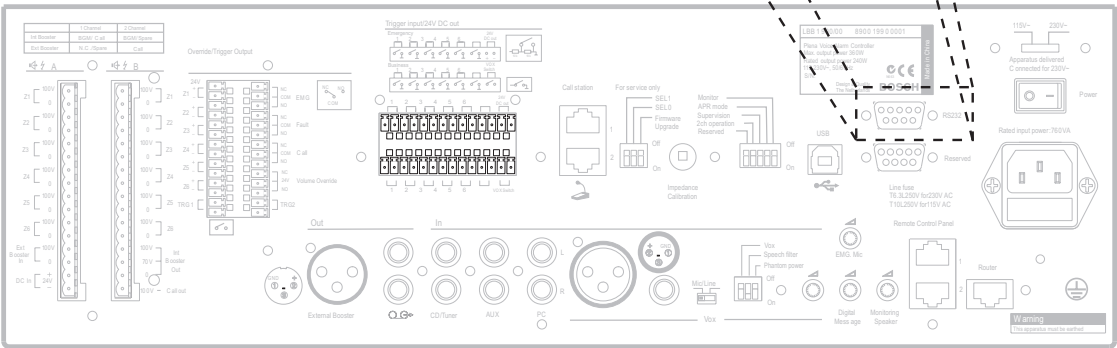
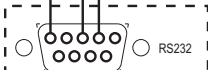


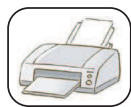


Plena

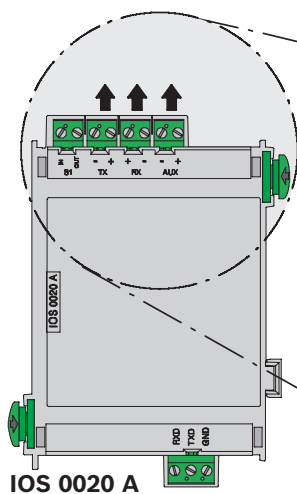
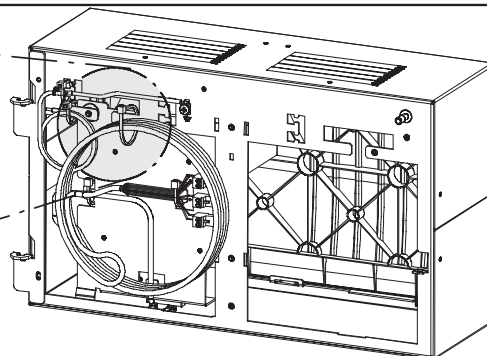
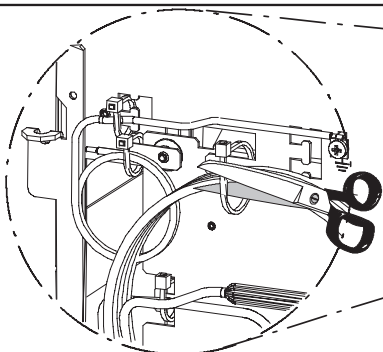


max. 3m

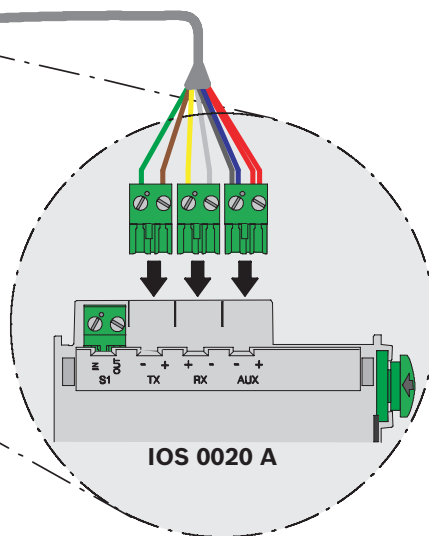




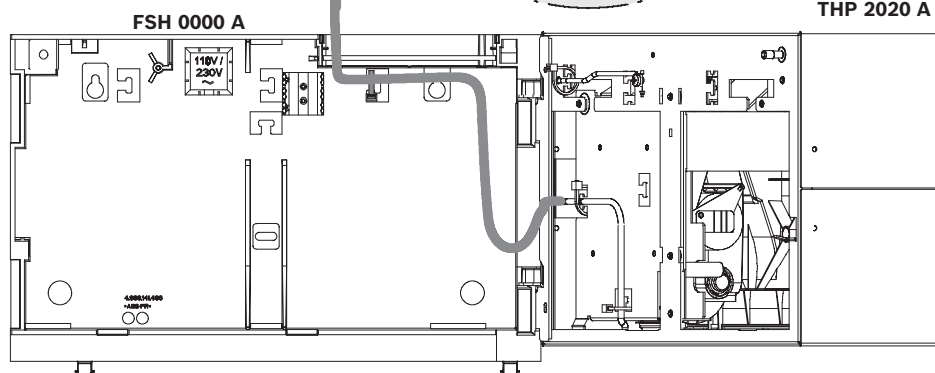
THP 2020 A



IOS 0020 A

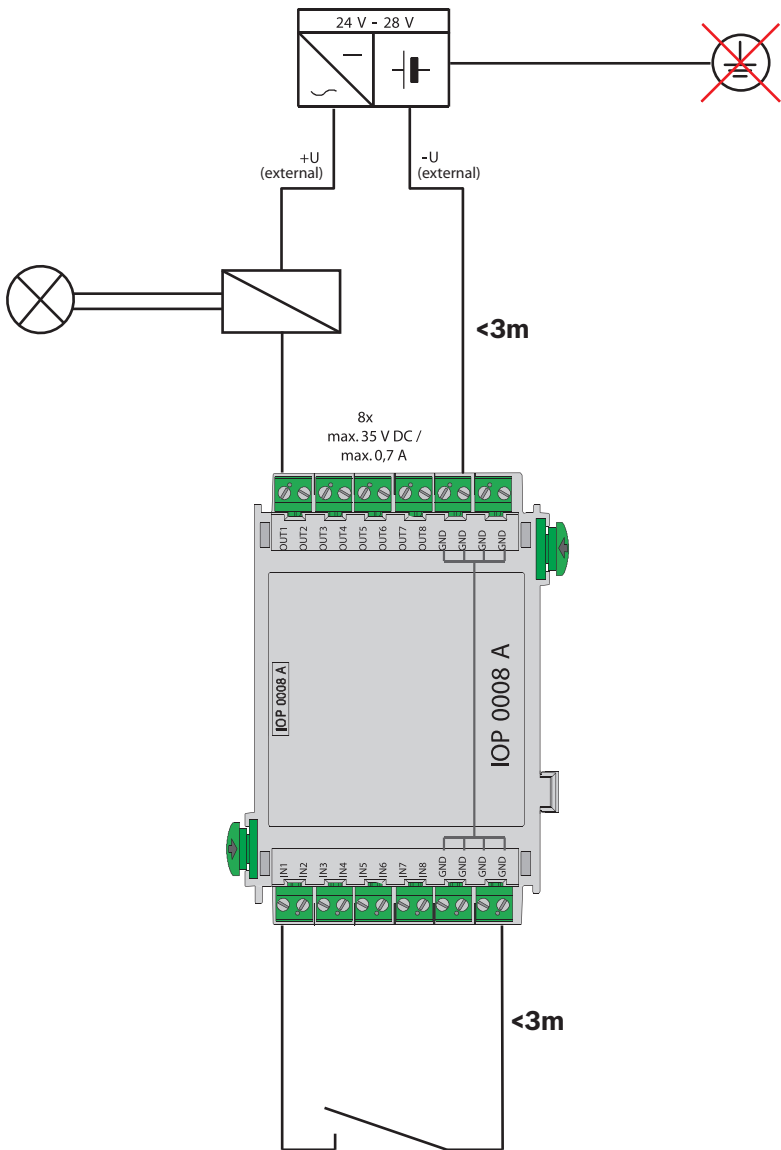
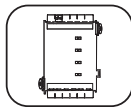


IOS 0020 A



FSH 0000 A

THP 2020 A

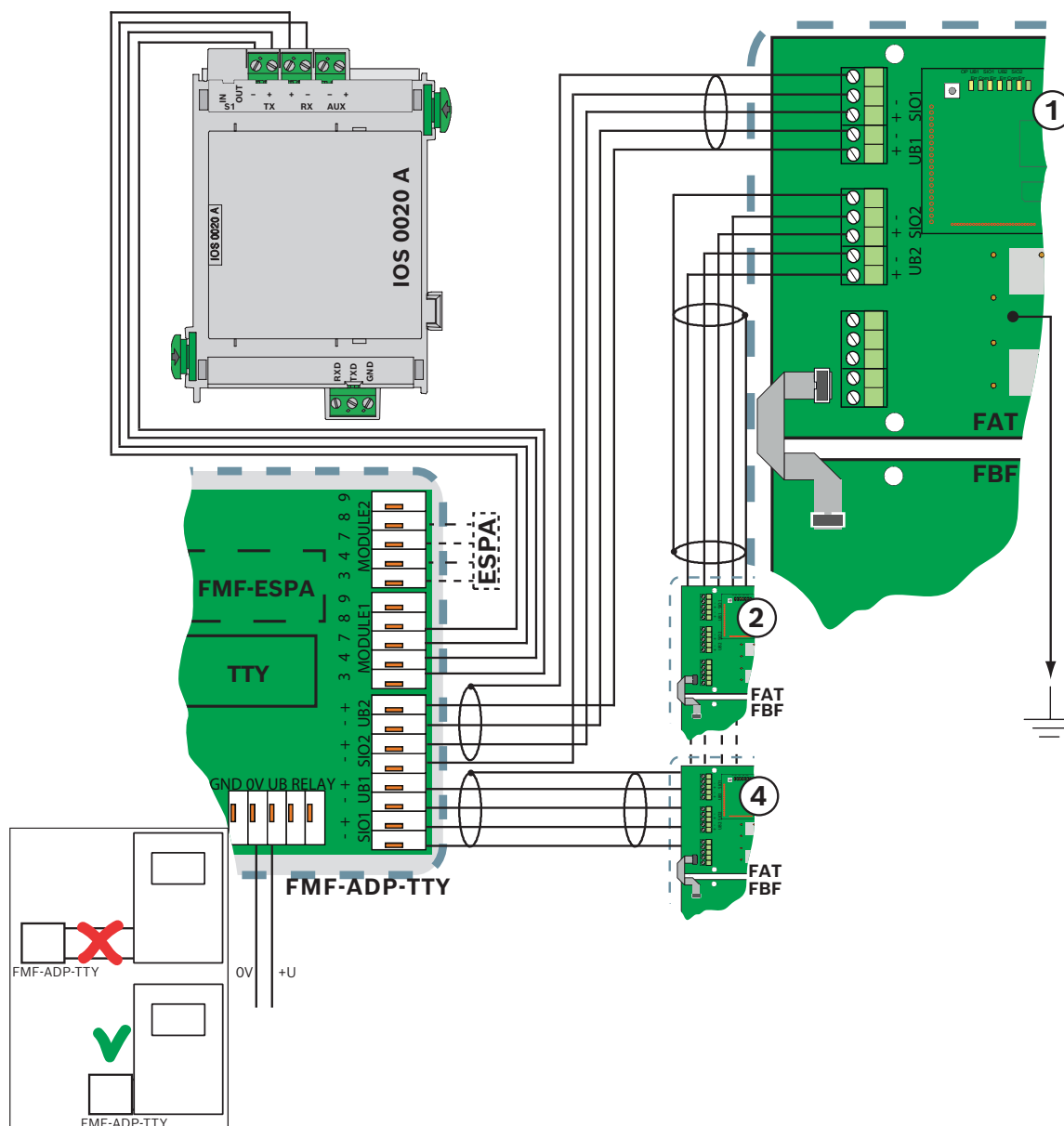




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FMF-FAT FMF-FBF-FAT
FMF-FIBS-A4/-A3
FMF-ADP

ELS VdS 2489

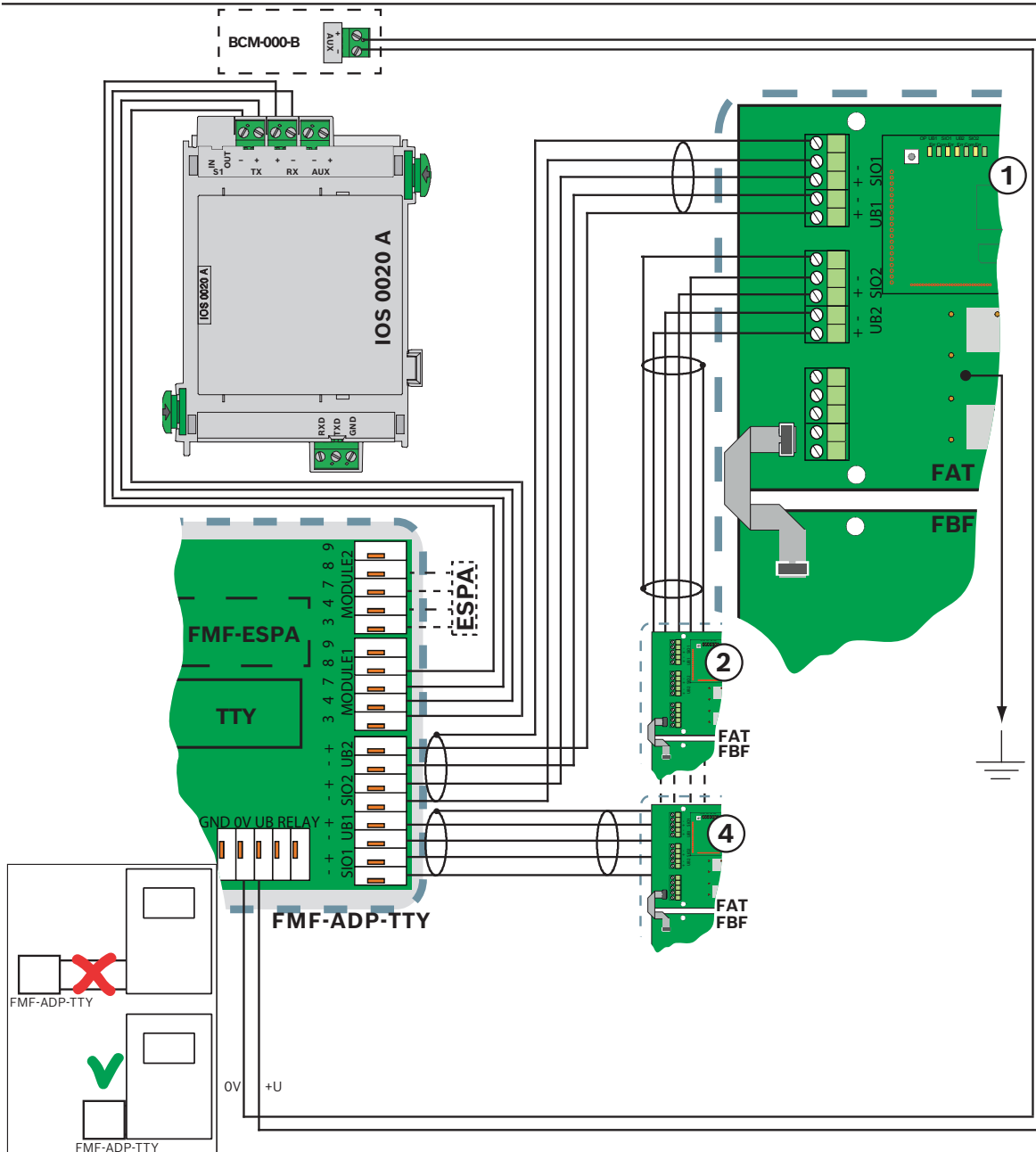




FAT4000 FBF4000 ADP4000

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

ELS VdS 2489



3.3.8

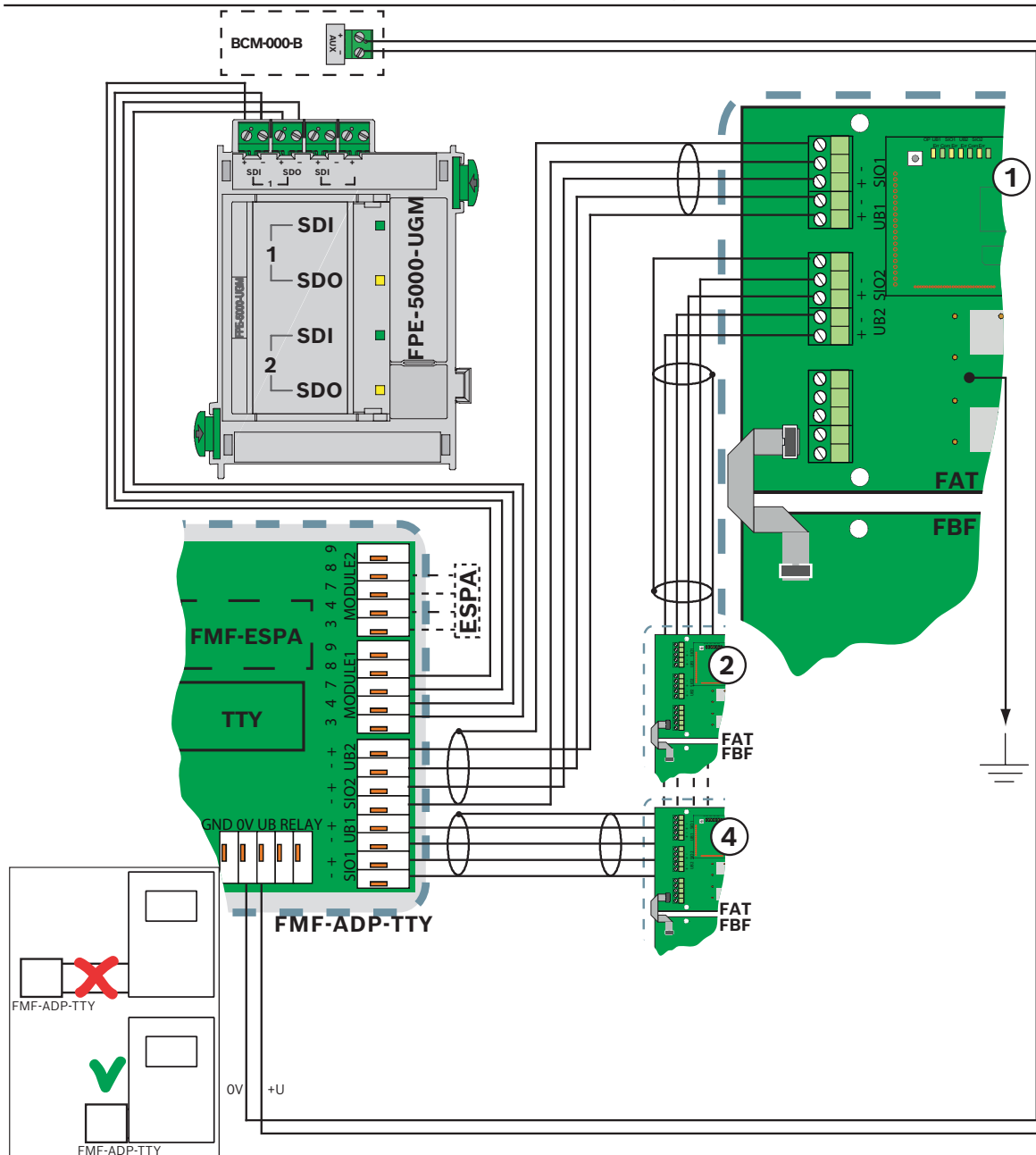
FPE-5000-UGM

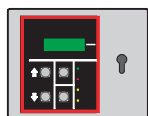


FAT4000 FBF4000 ADP4000

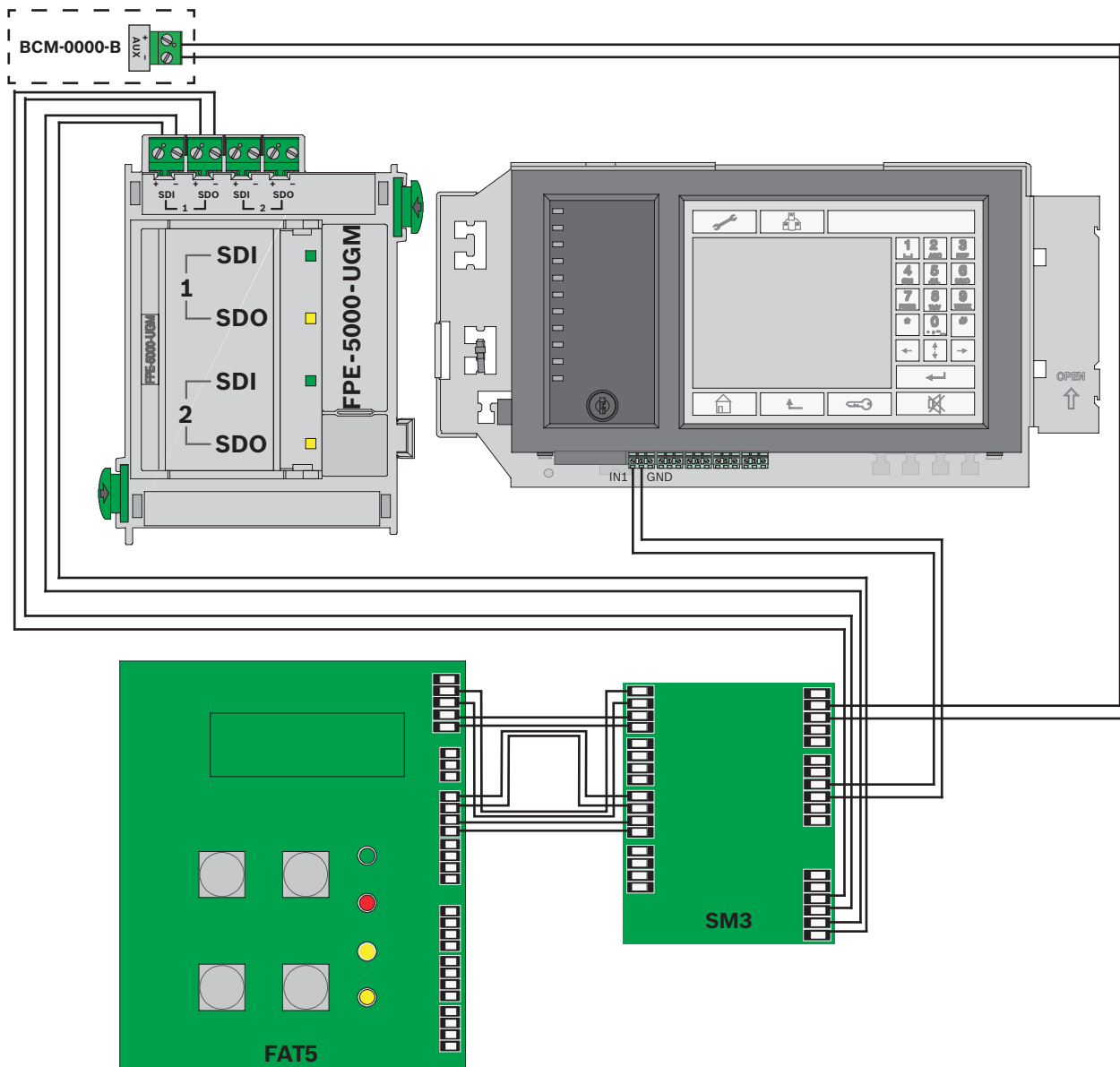
FMF-FAT FMF-FBF-FAT
FMF-FIBS-A4/-A3
FMF-ADP

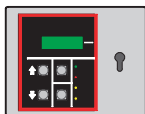
ELS VdS 2489



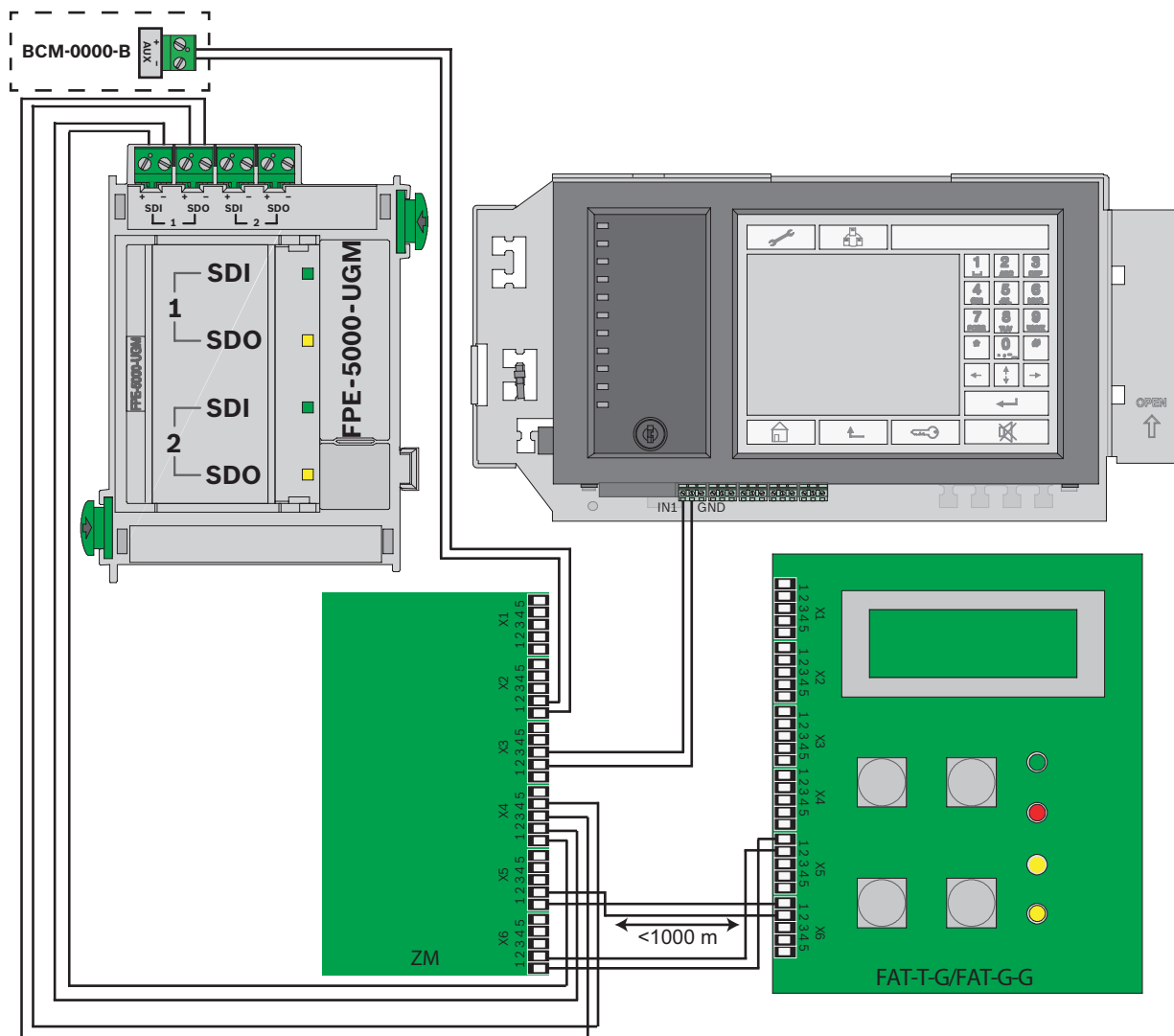


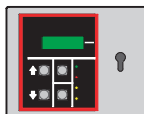
FAT5
SM3



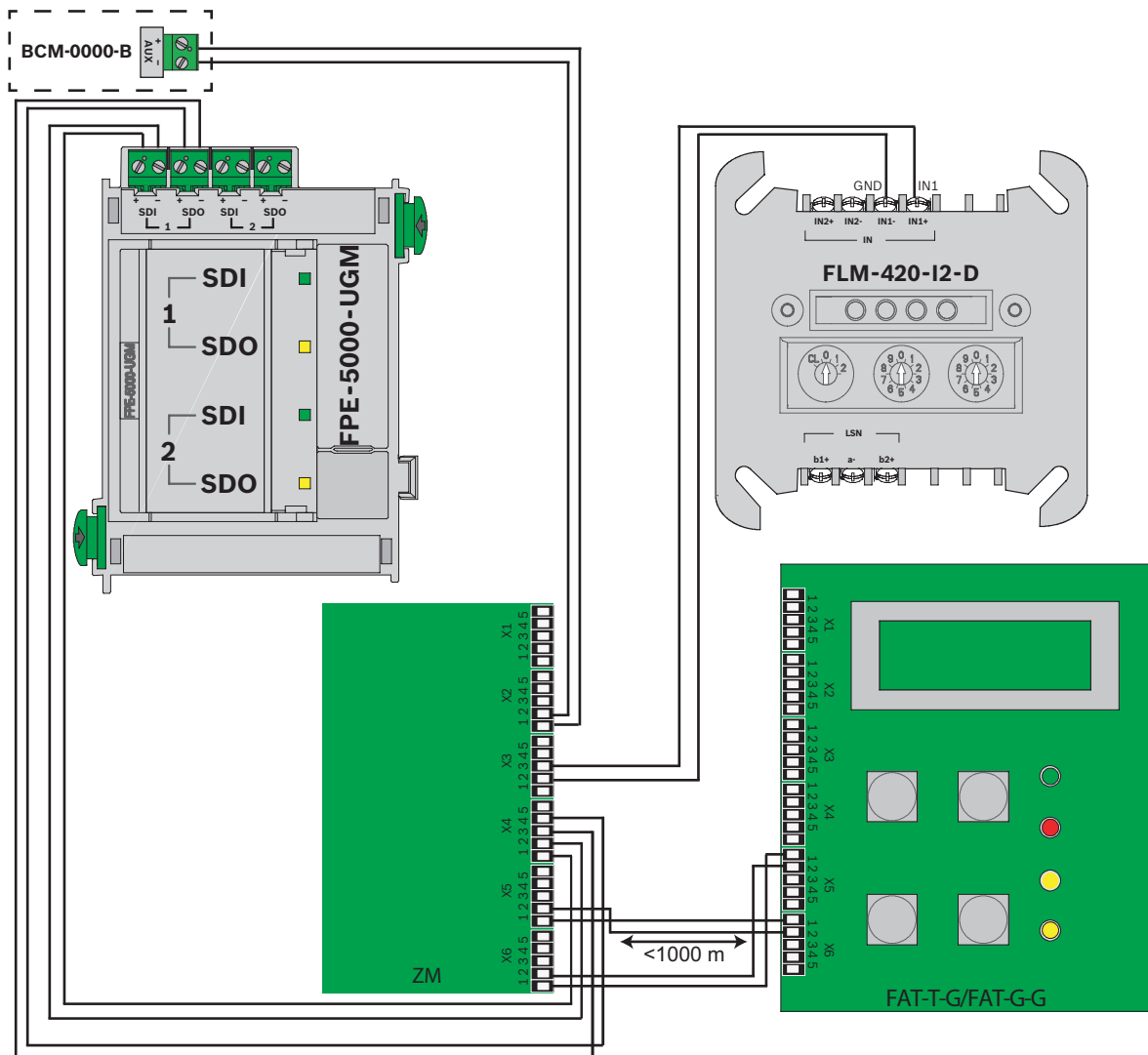


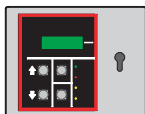
FAT-T-G/FAT-G-G
ZM



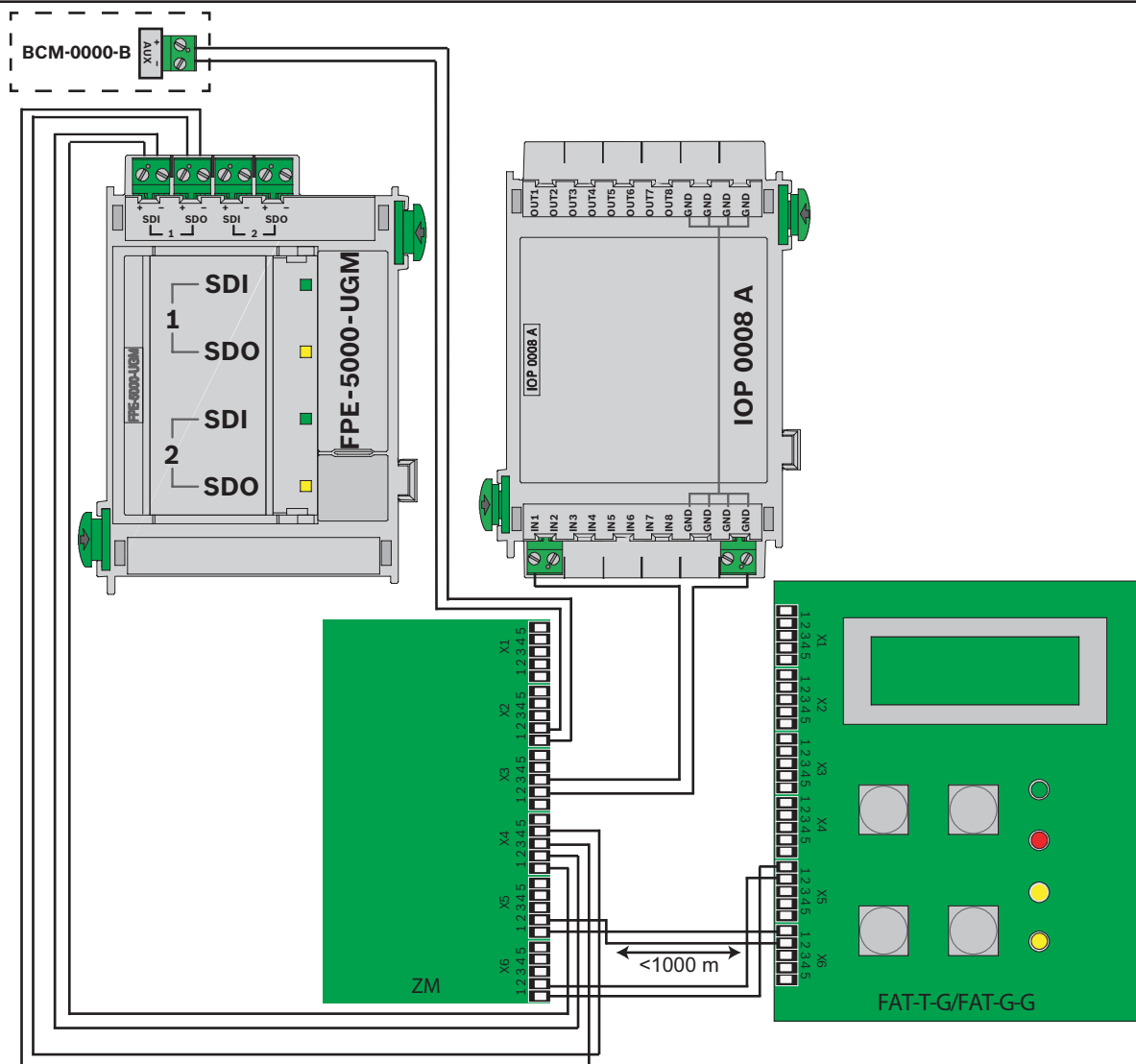


FAT-T-G/FAT-G-G
ZM





**FAT-T-G/FAT-G-G
ZM**



3.4 Moduli interfaccia



FLM-420/4-CON-D/S, pagina 137

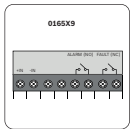
FLM-420-NAC-D/S, pagina 162

FLM-420-RLE-S, pagina 175

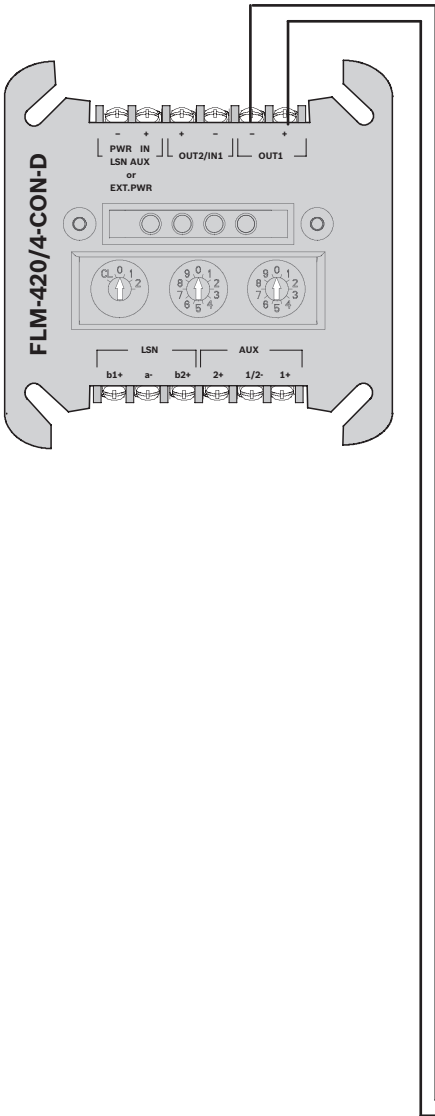
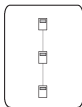
FLM-420-RLV1-E, pagina 176

FLM-420-RLV8-S, pagina 177

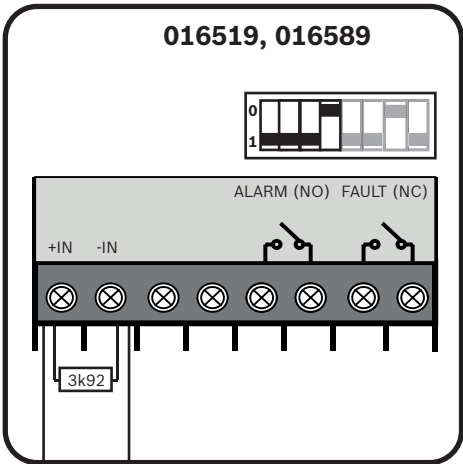


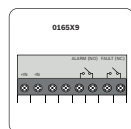
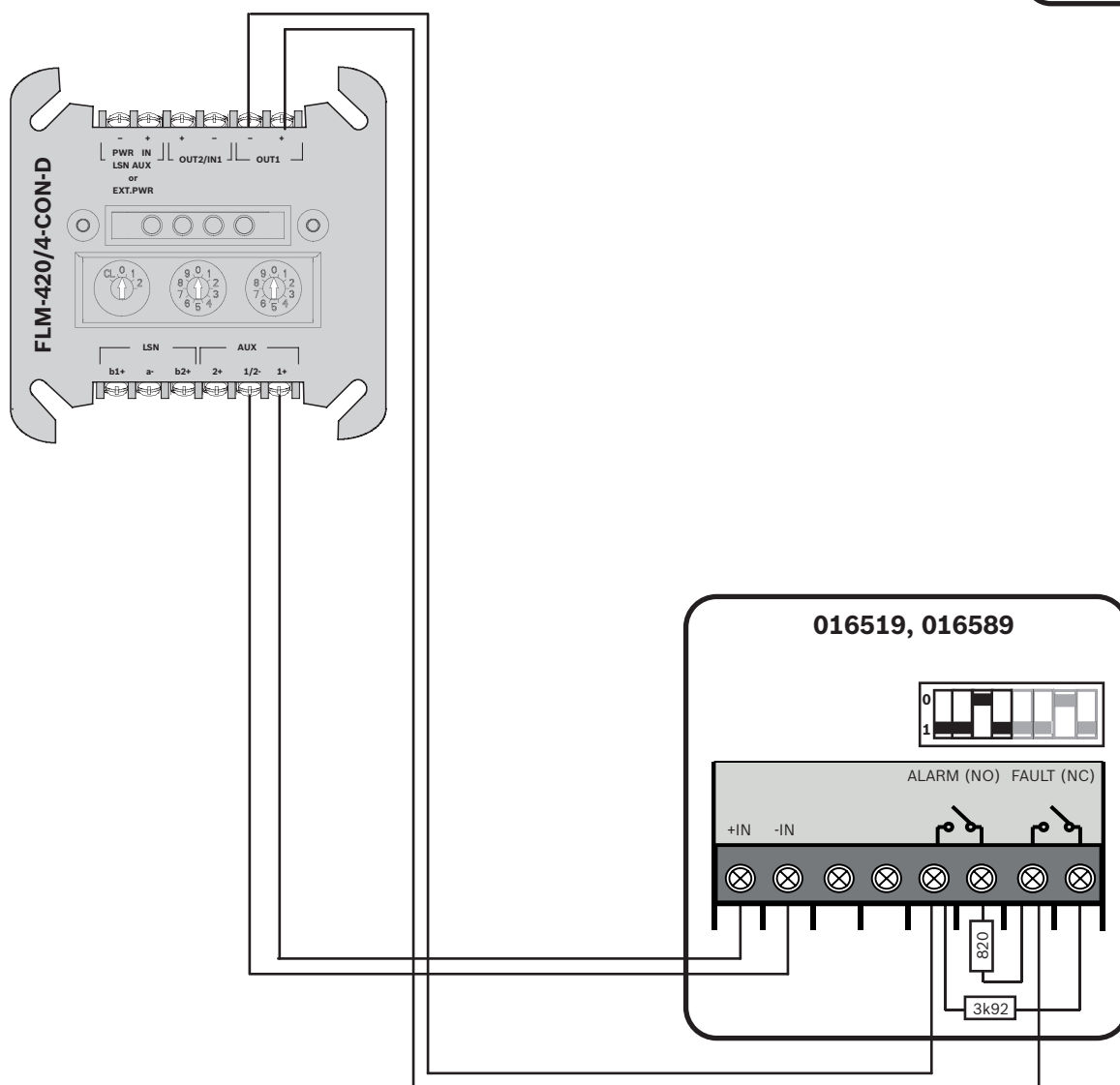
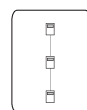


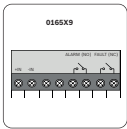
016519, 016589
IR3 Flame Detector



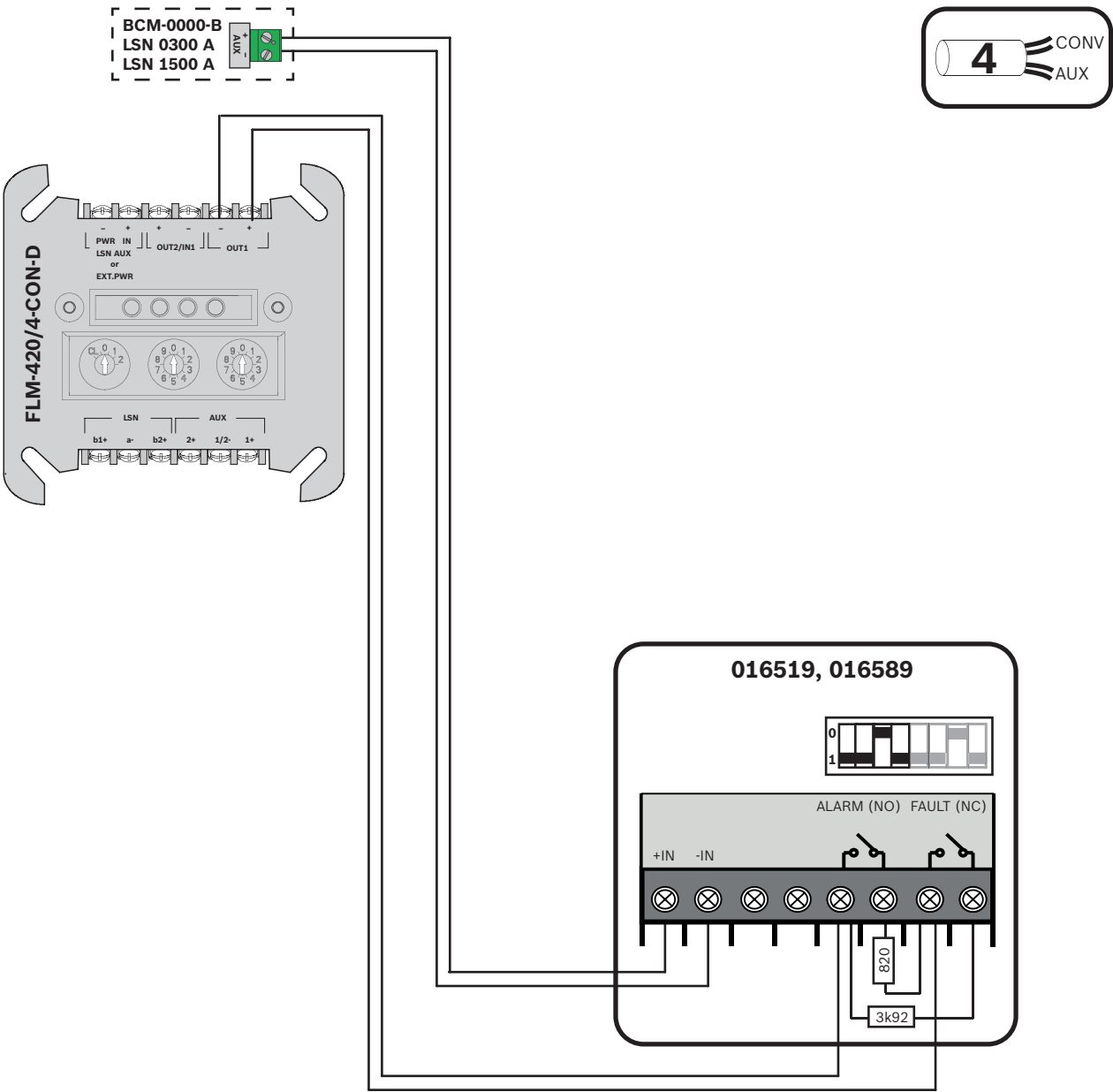
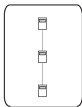
max. 1 x 0165X9

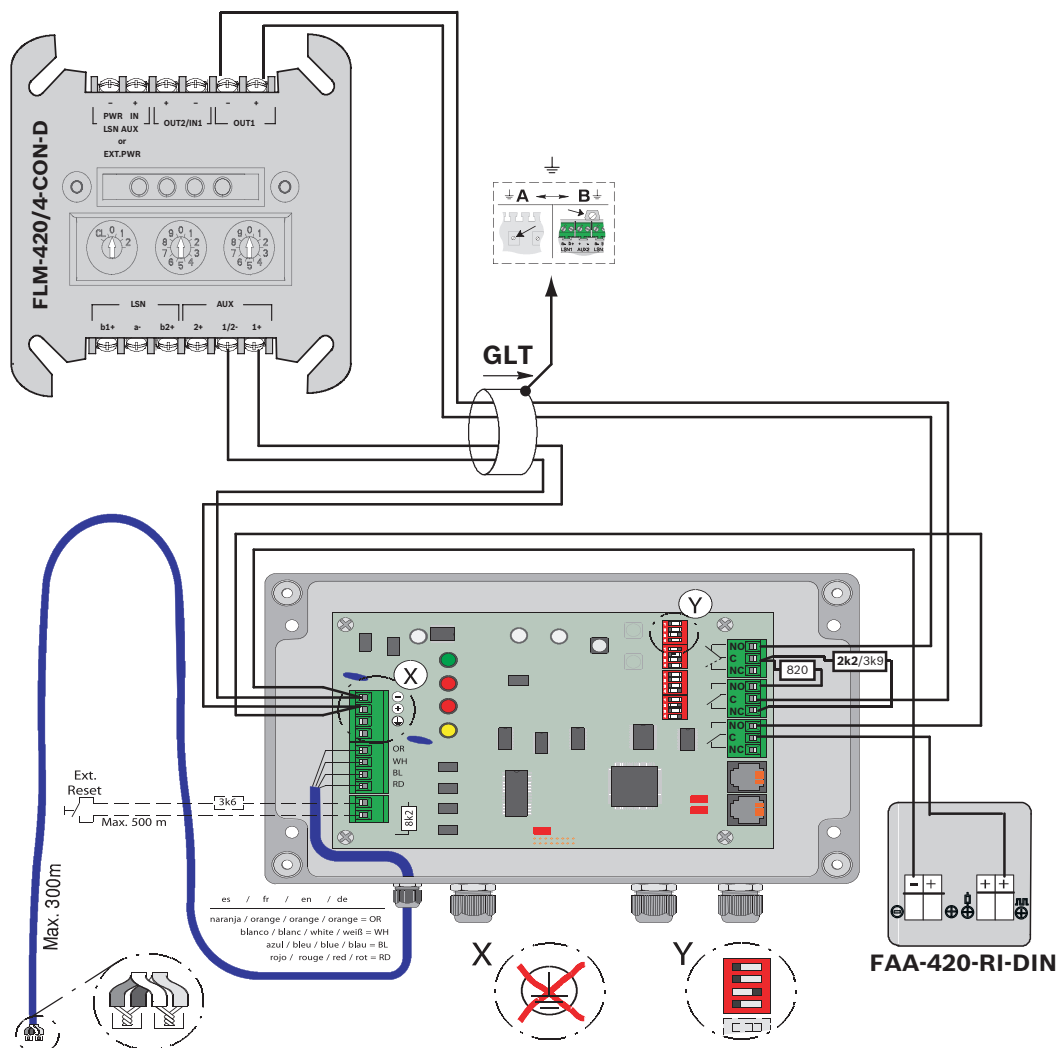
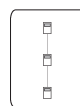


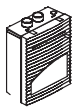
**016519, 016589**
IR3 Flame Detector



016519, 016589
IR3 Flame Detector



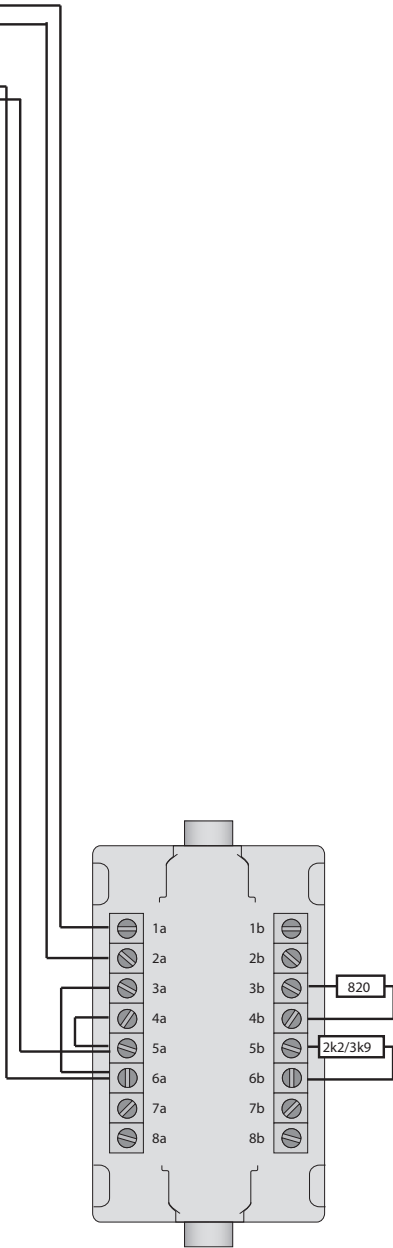
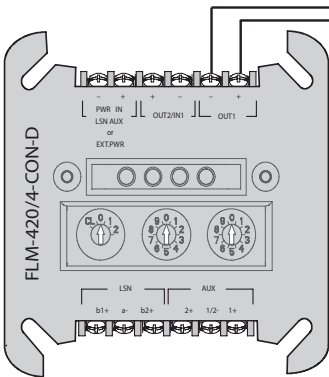
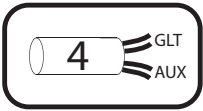
**FCS-LWM-1**

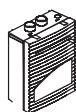


FCS-320-TM Series

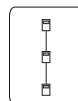


BCM-0000-B
LSN 0300 A
LSN 1500 A

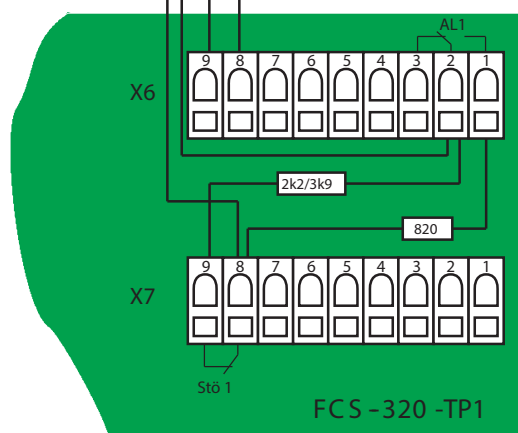
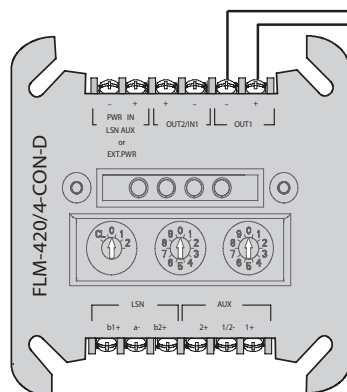
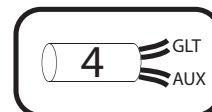


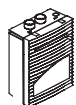


FCS-320-TP Series

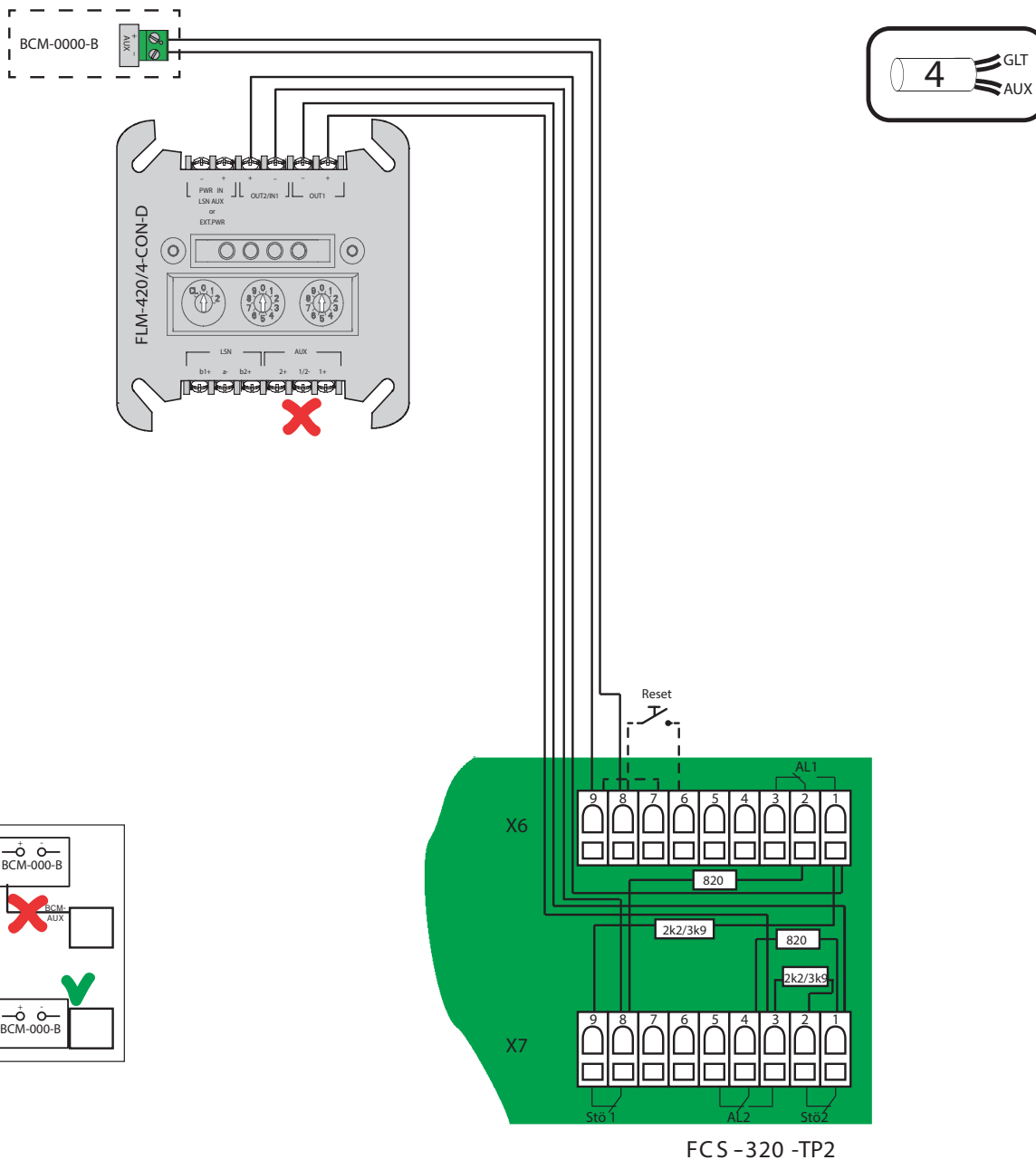


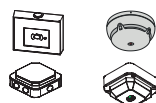
BCM-0000-B
LSN 0300 A
LSN 1500 A



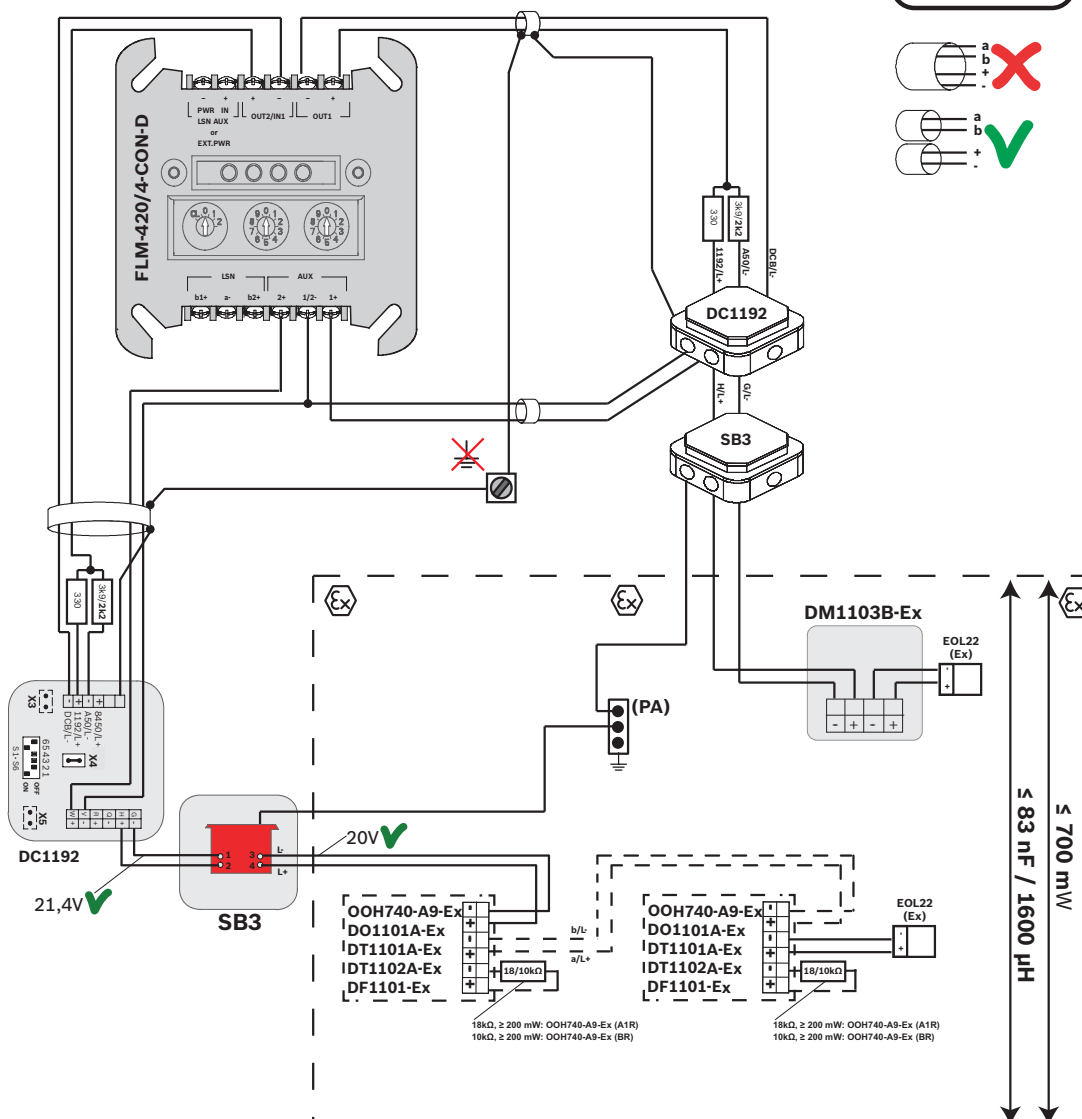
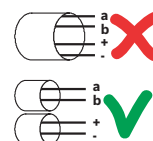
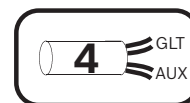


FCS-320-TP Series



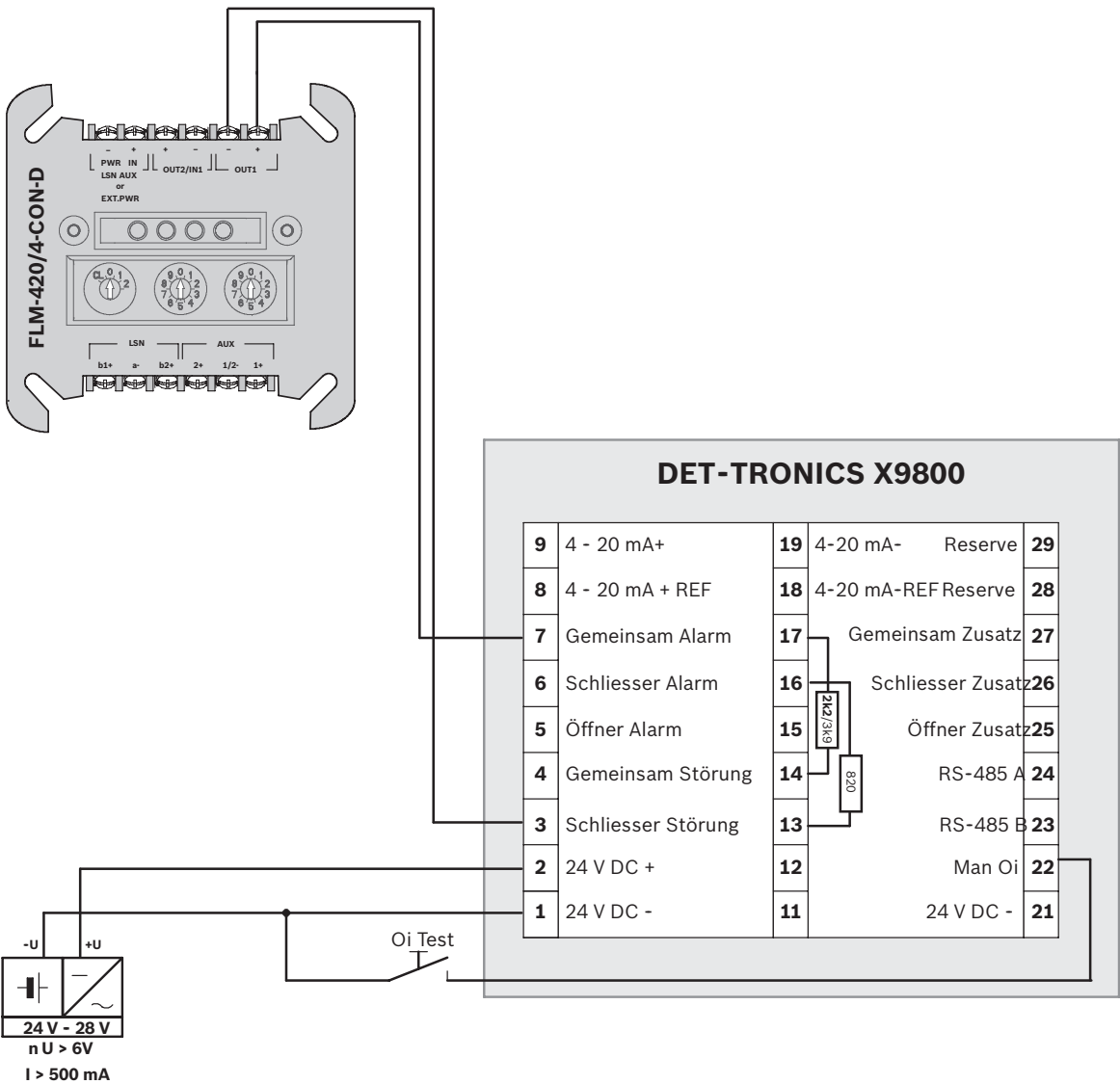


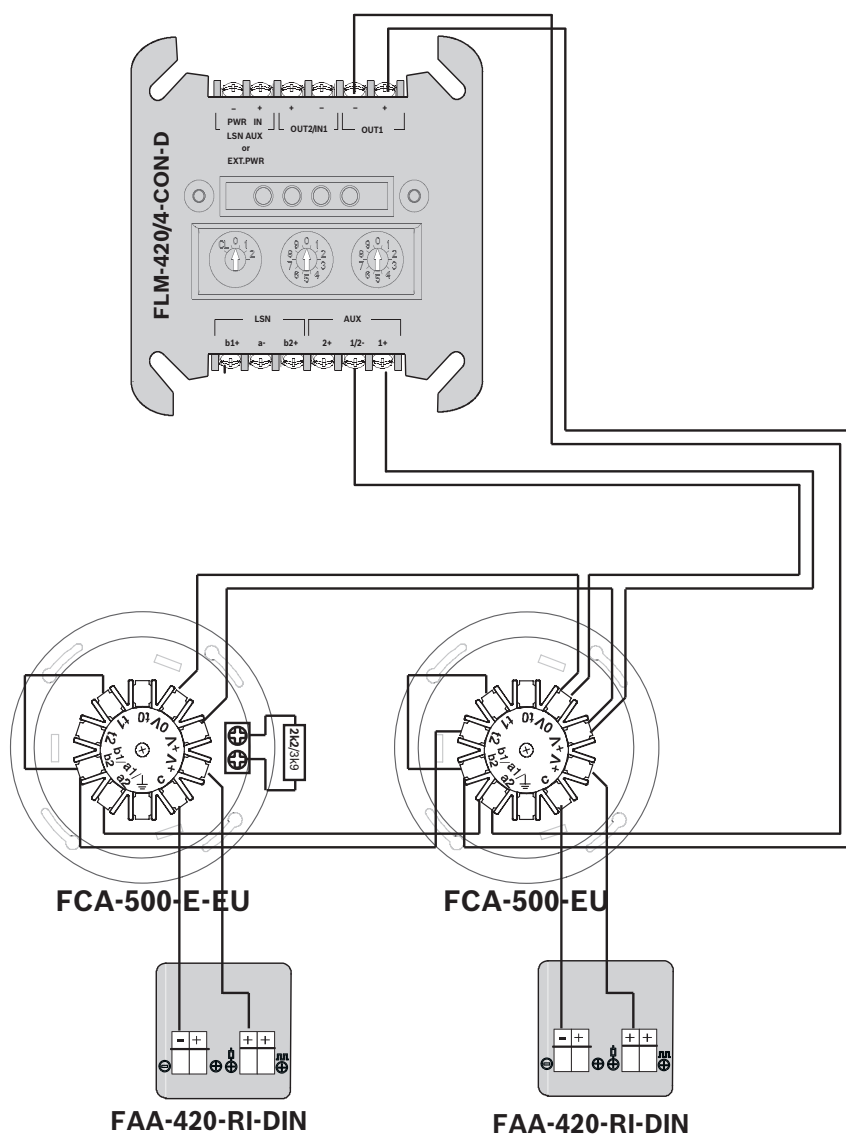
DC1192, SB3
OOH740-A9-Ex
DO1101A-Ex
DT1101A-Ex/DT1102A-Ex
DF1101-Ex
DM1103B-Ex





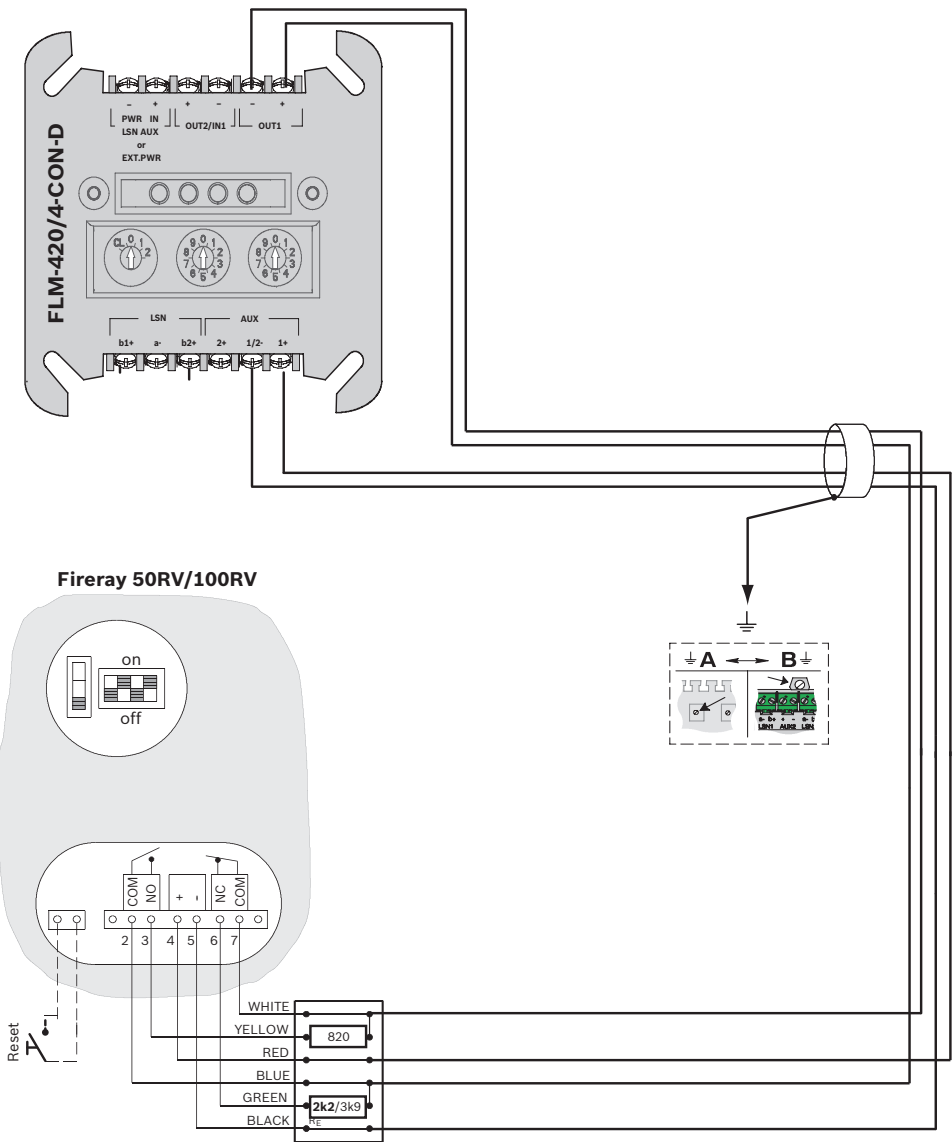
DET-TRONICS X9800



**FCP-500**



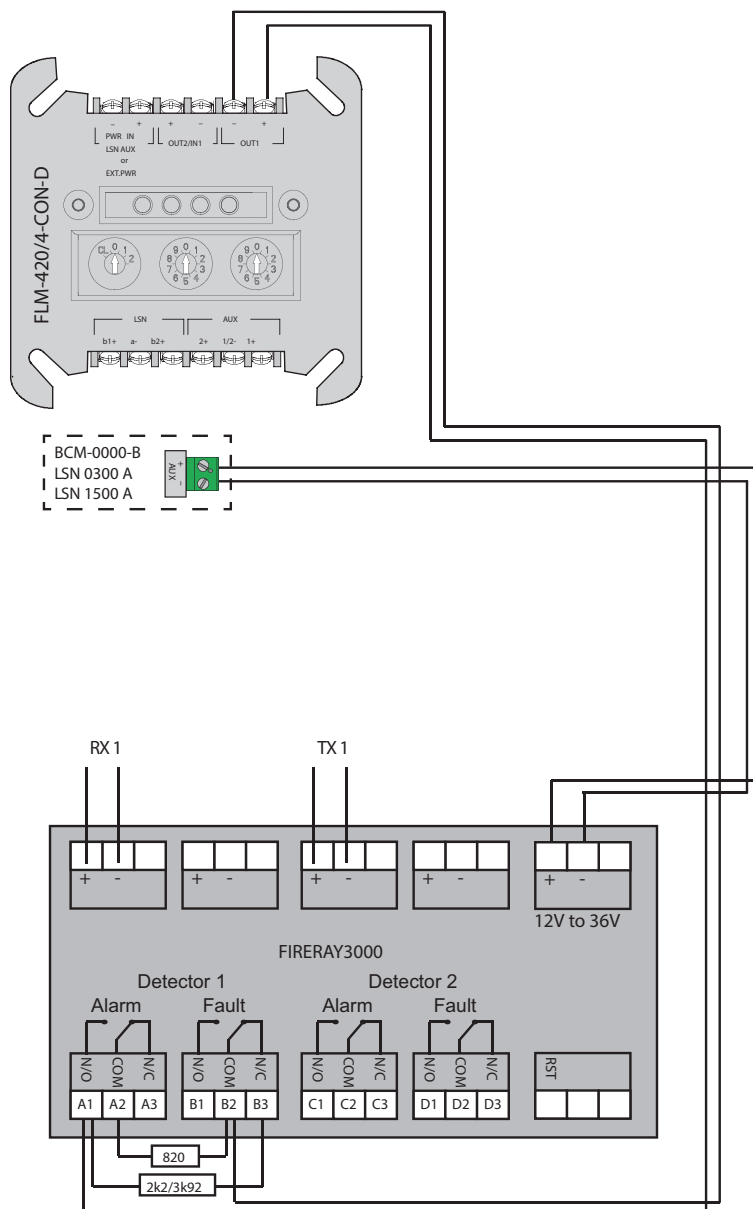
Fireray 50RV
Fireray 100RV

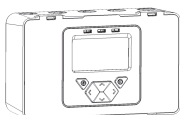




FIRERAY3000

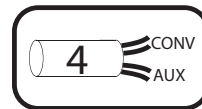
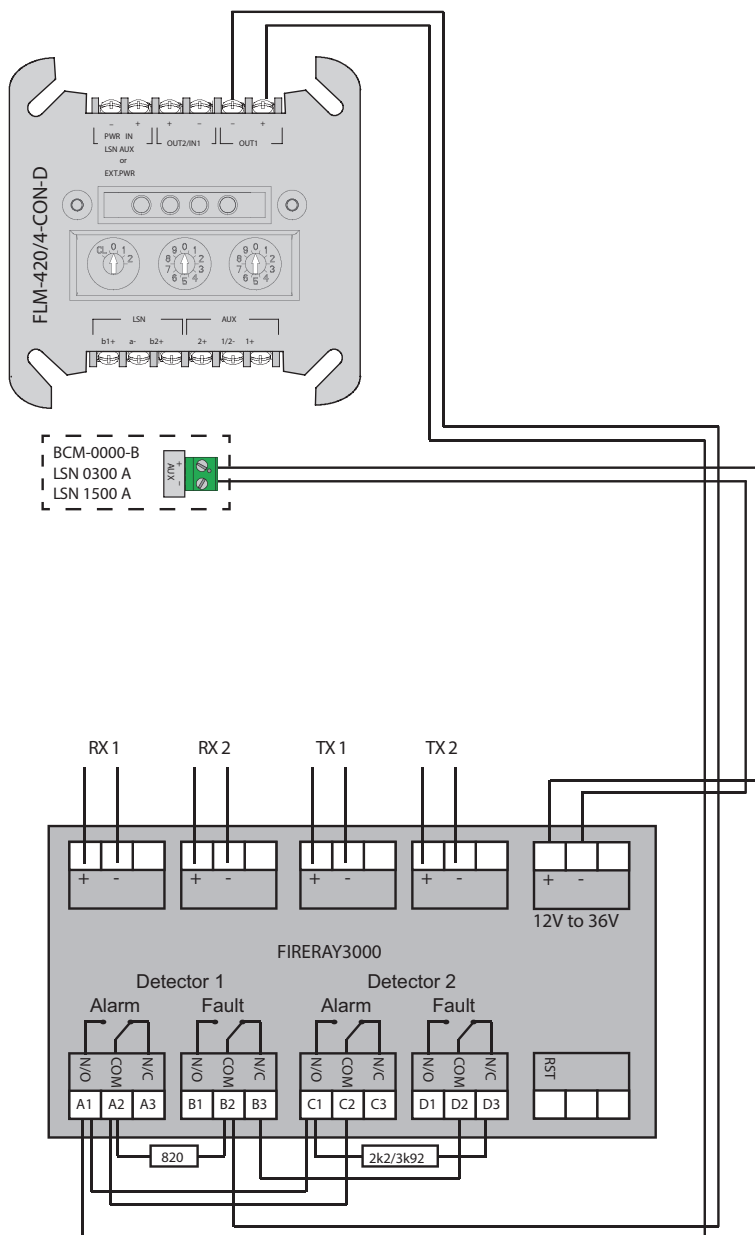
1 x





FIRERAY3000

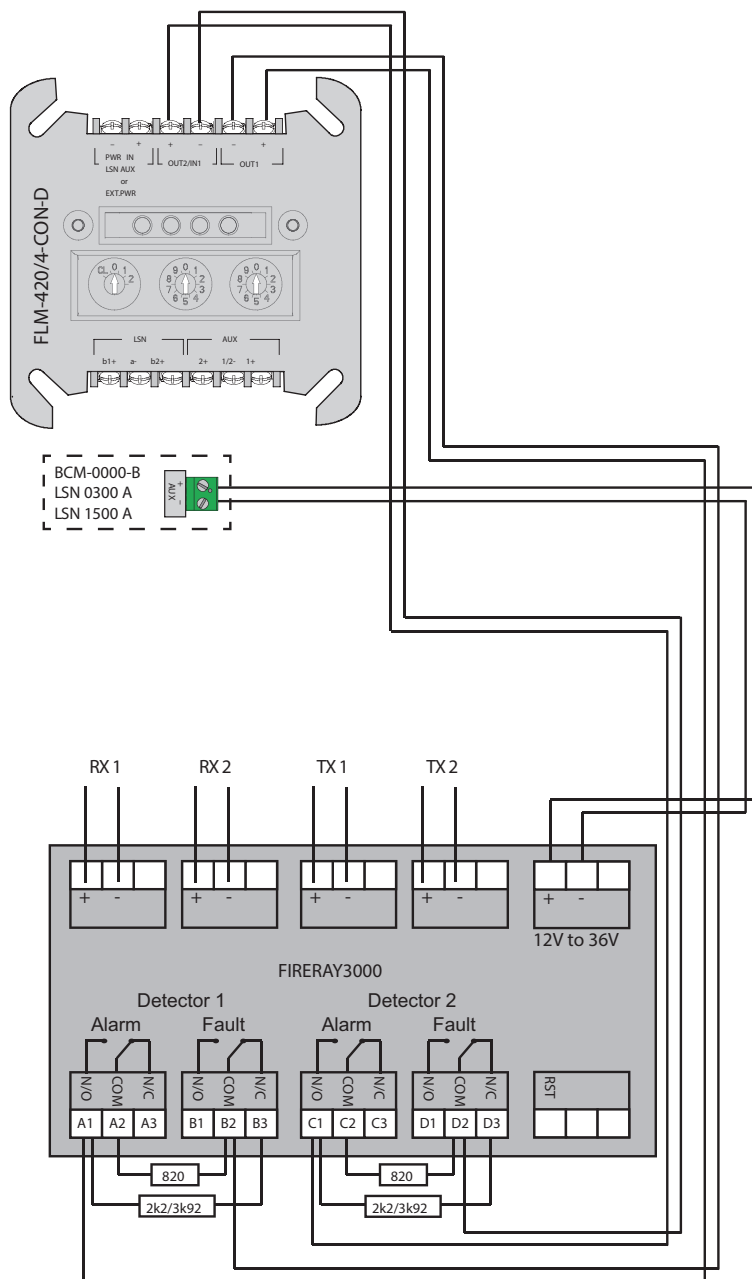
2 x 1





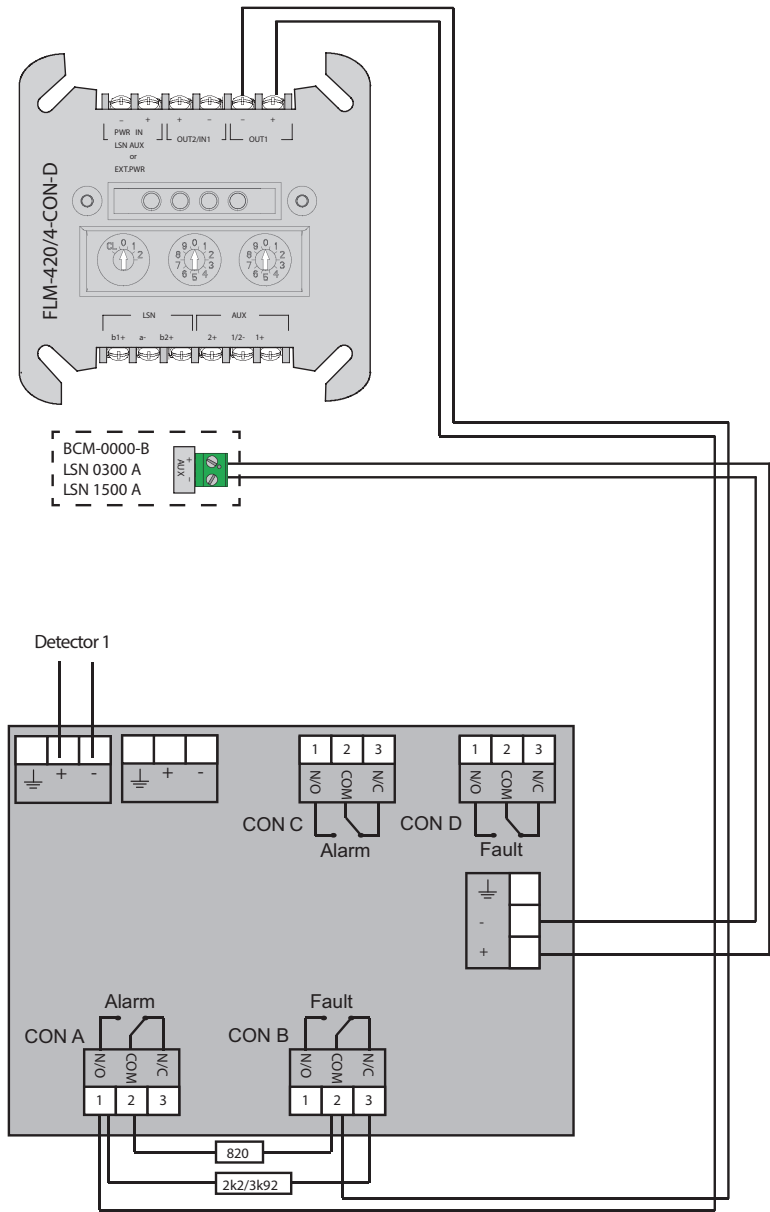
FIRERAY3000

2 x 1+2





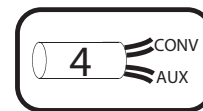
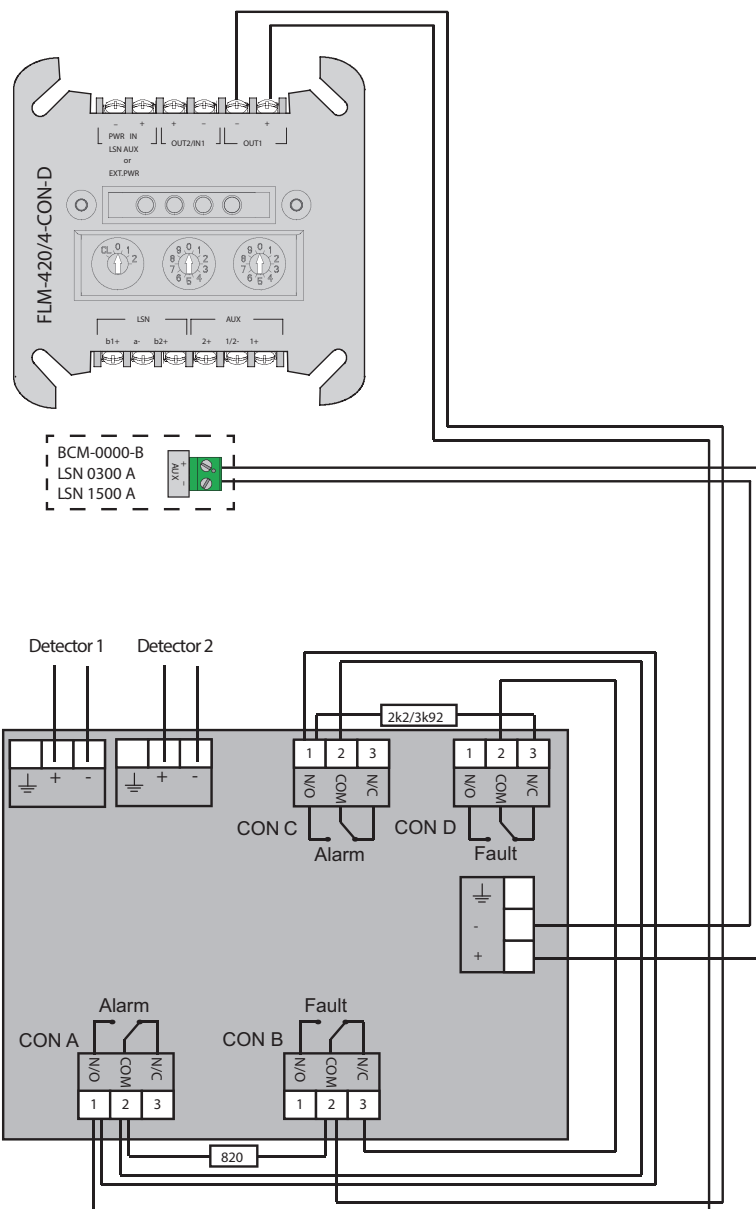
FIRERAY5000
1 x





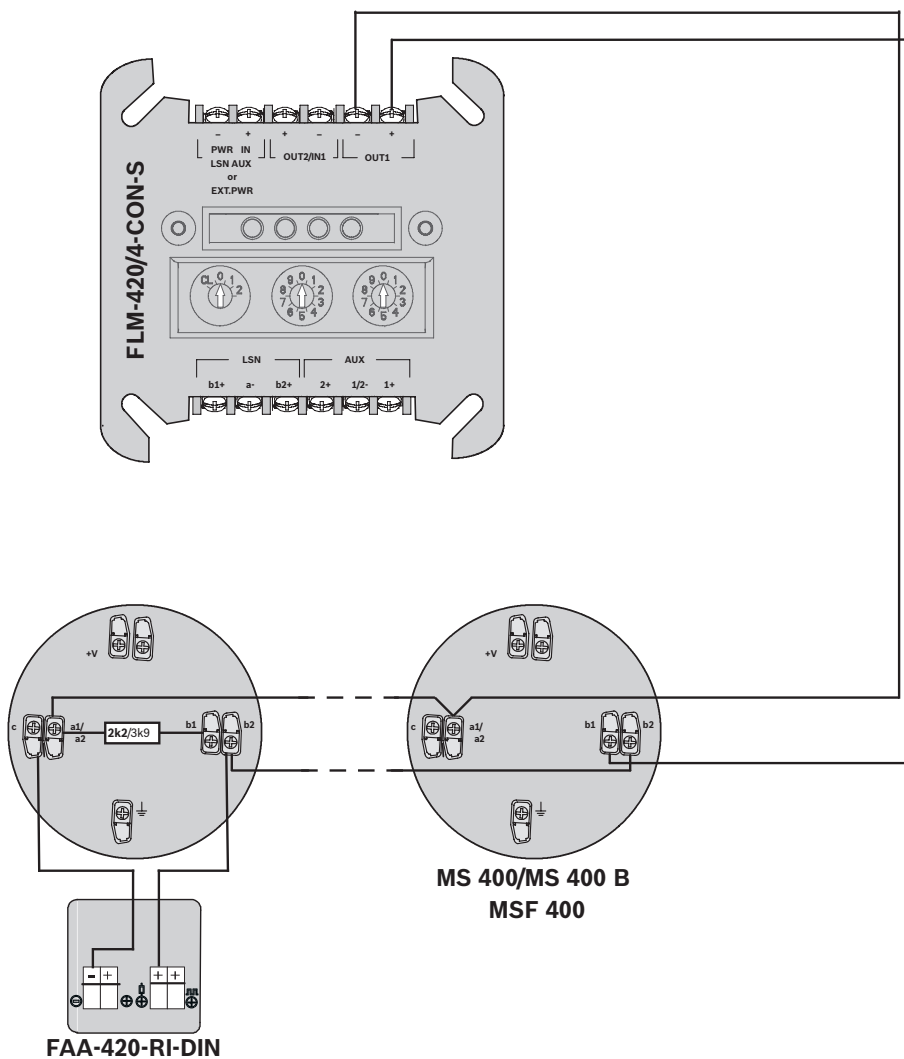
FIRERAY5000

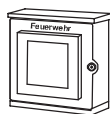
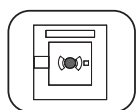
2 x OUT1



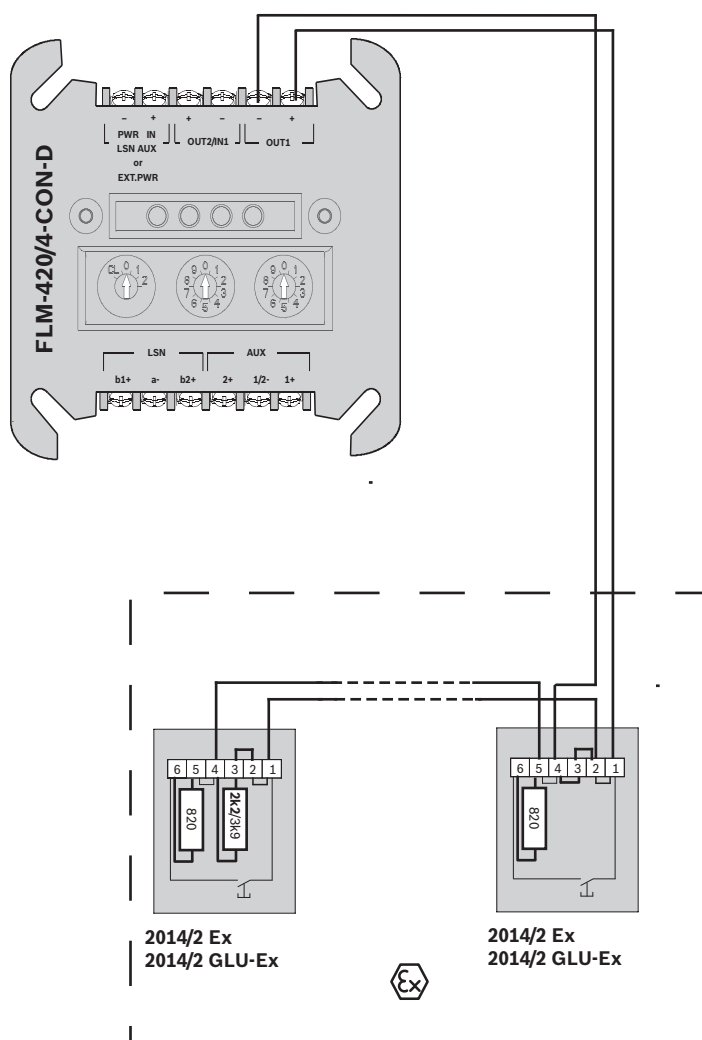
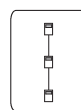


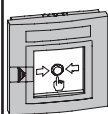
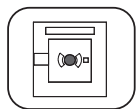
FAP-425-O/-O-R/-OT/-OT-R/-T-R
 FAP-425-DO-R/DOT-R/-DOTC-R
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 FCP-O320/-O320-R470
 FCP-OC320/-OC320-R470
 FCP-OT320/-OT320-R470



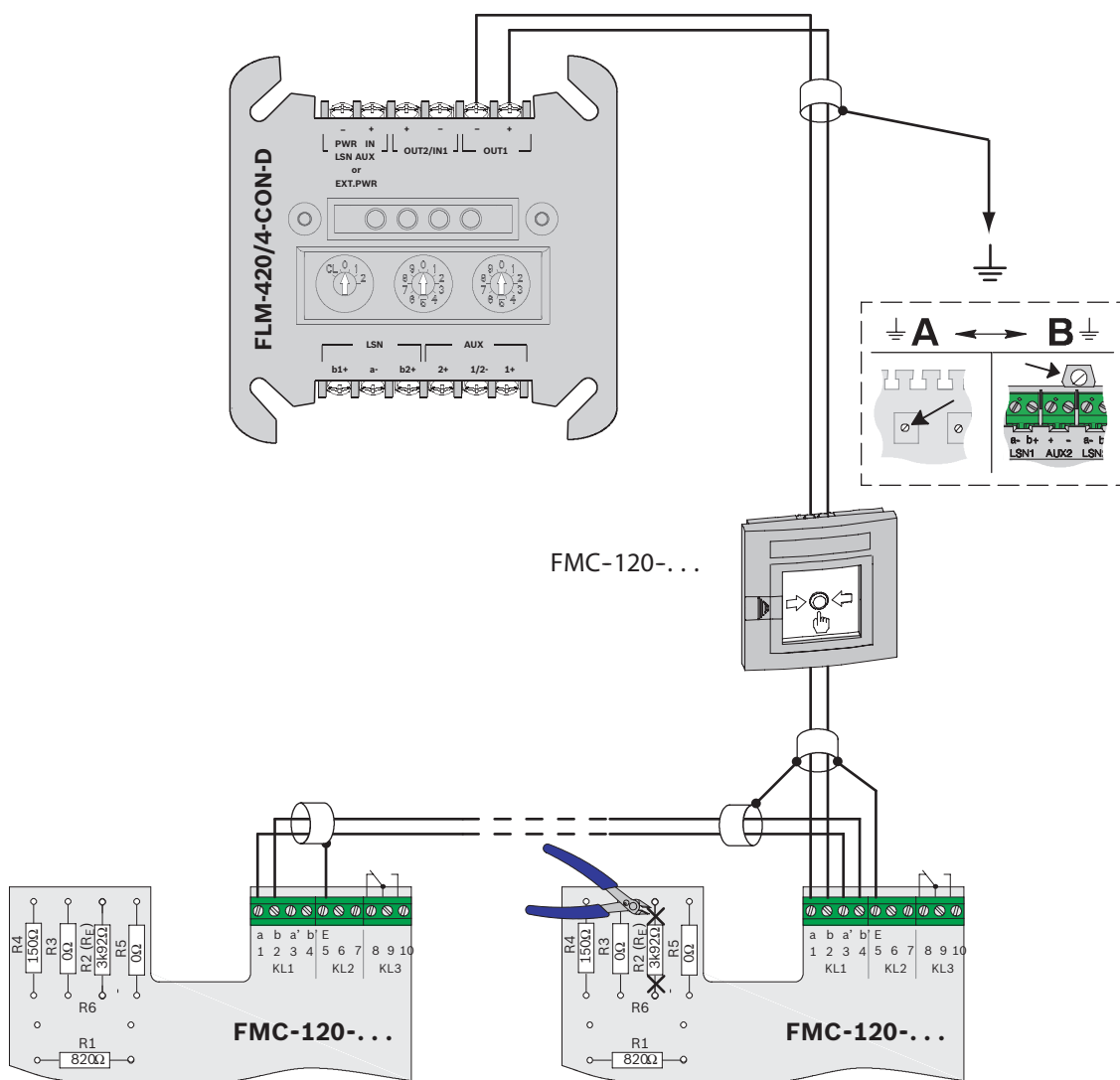
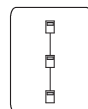


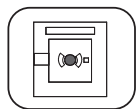
2014/2 Ex
2014/2 GLU-Ex



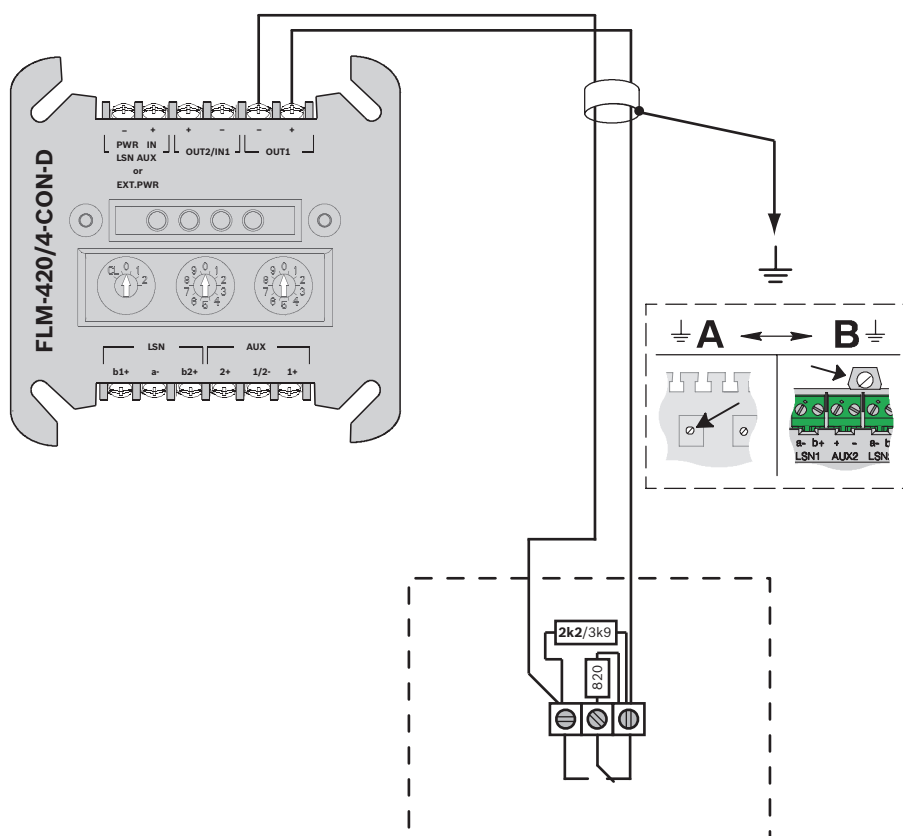
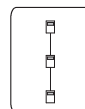


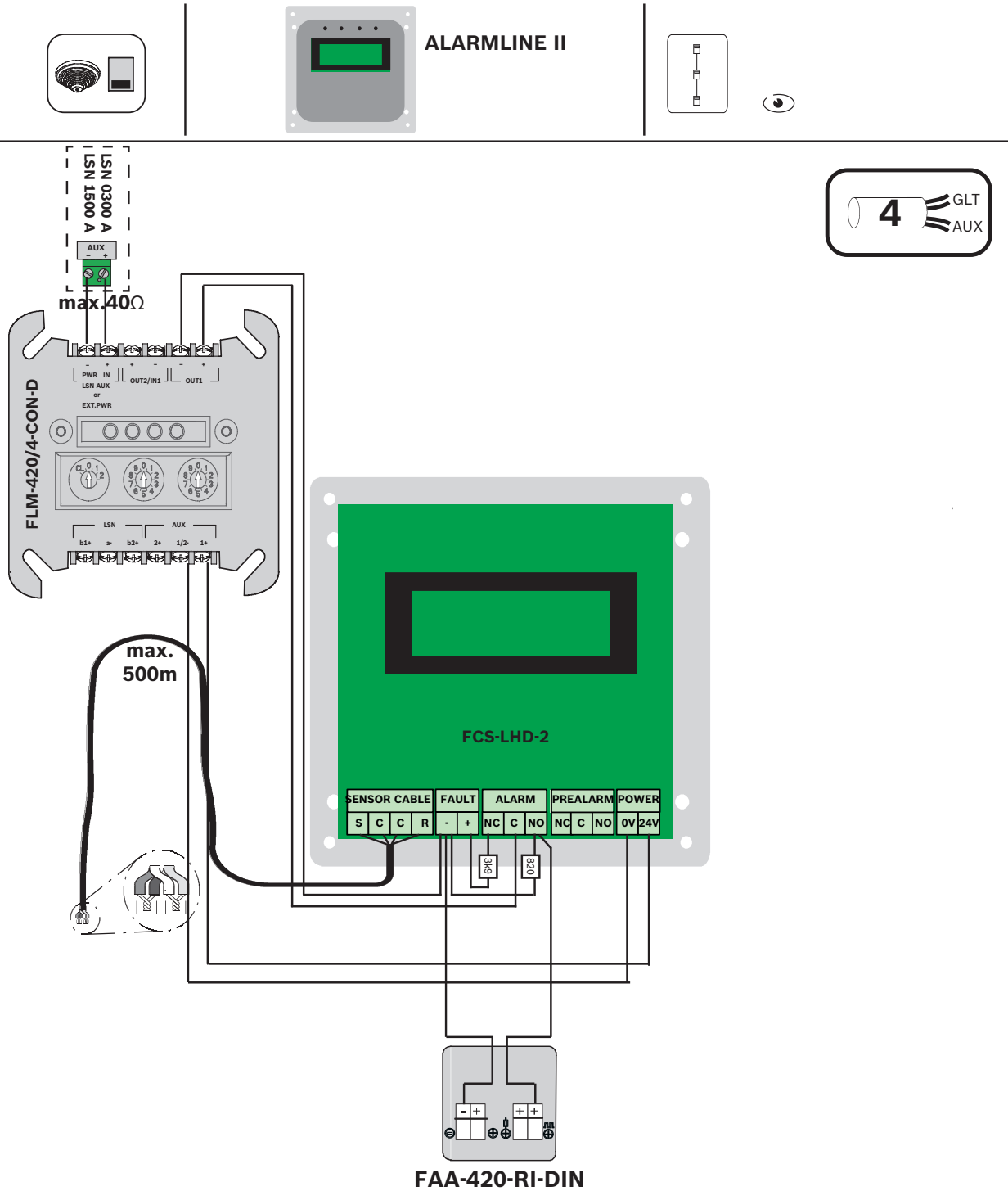
FMC-120-DKM-G-R FMC-120-DKM-G-Y
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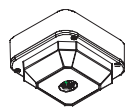
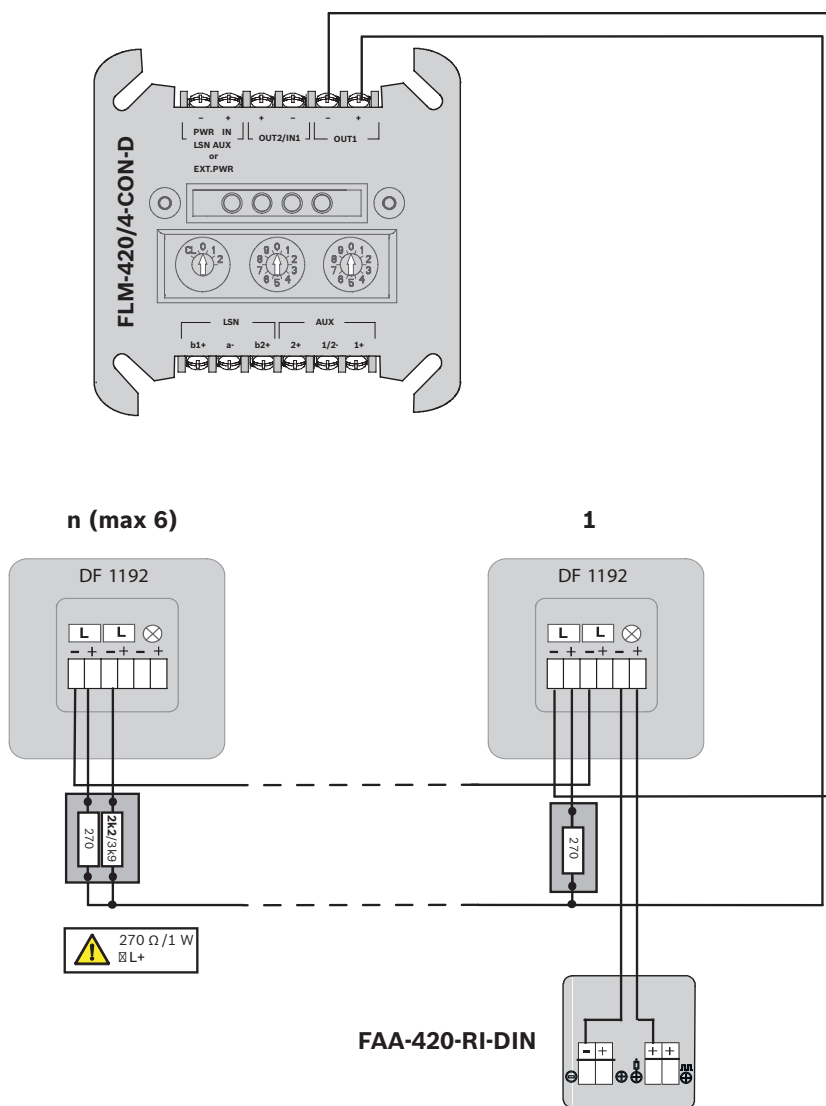




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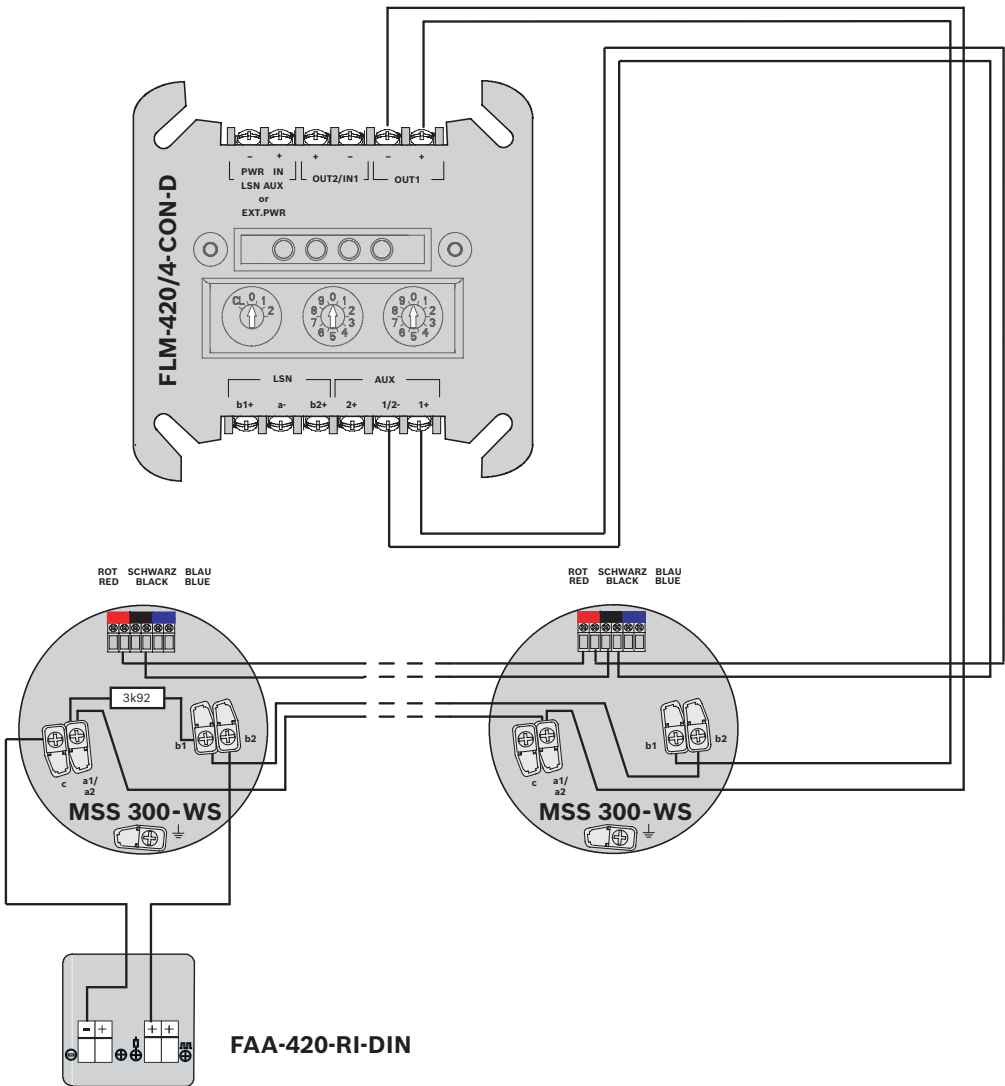


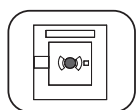
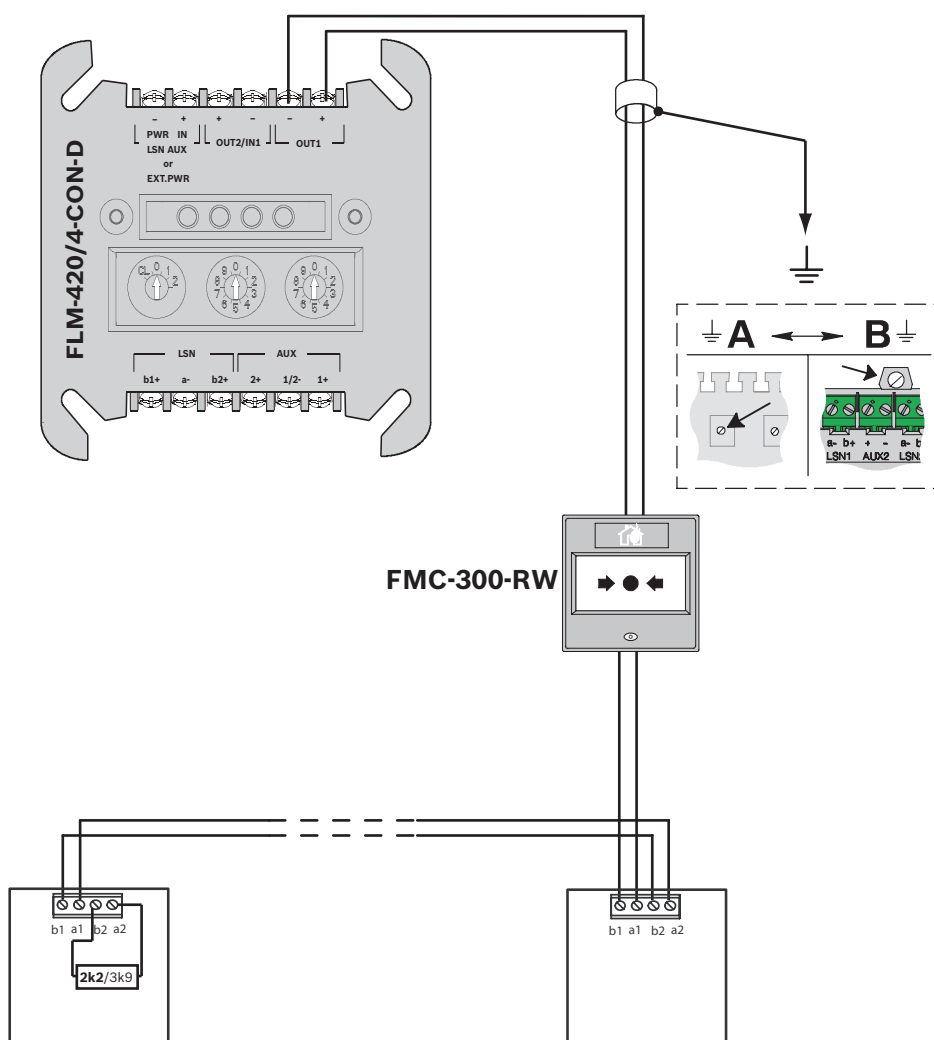
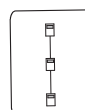


**DF 1192**



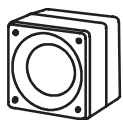
MSS 300-WS



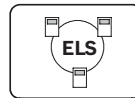
**FMC-300-RW**

3.4.2

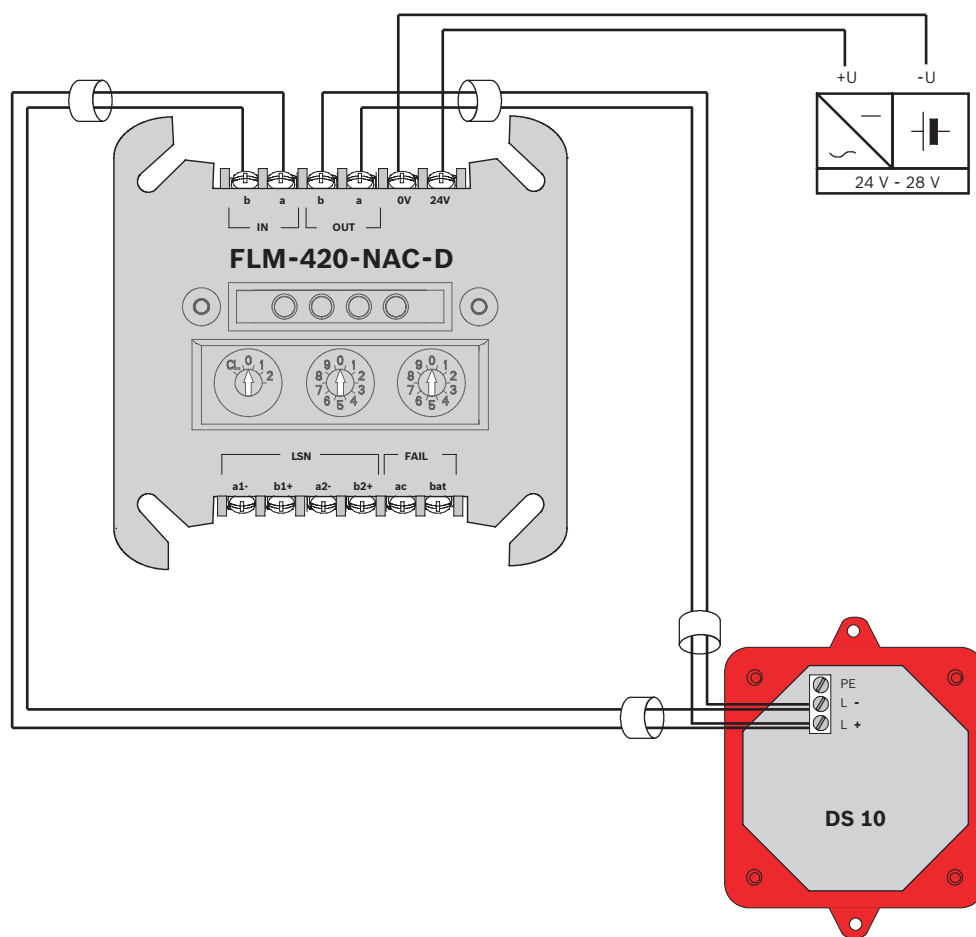
FLM-420-NAC-D/S

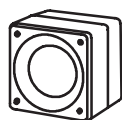
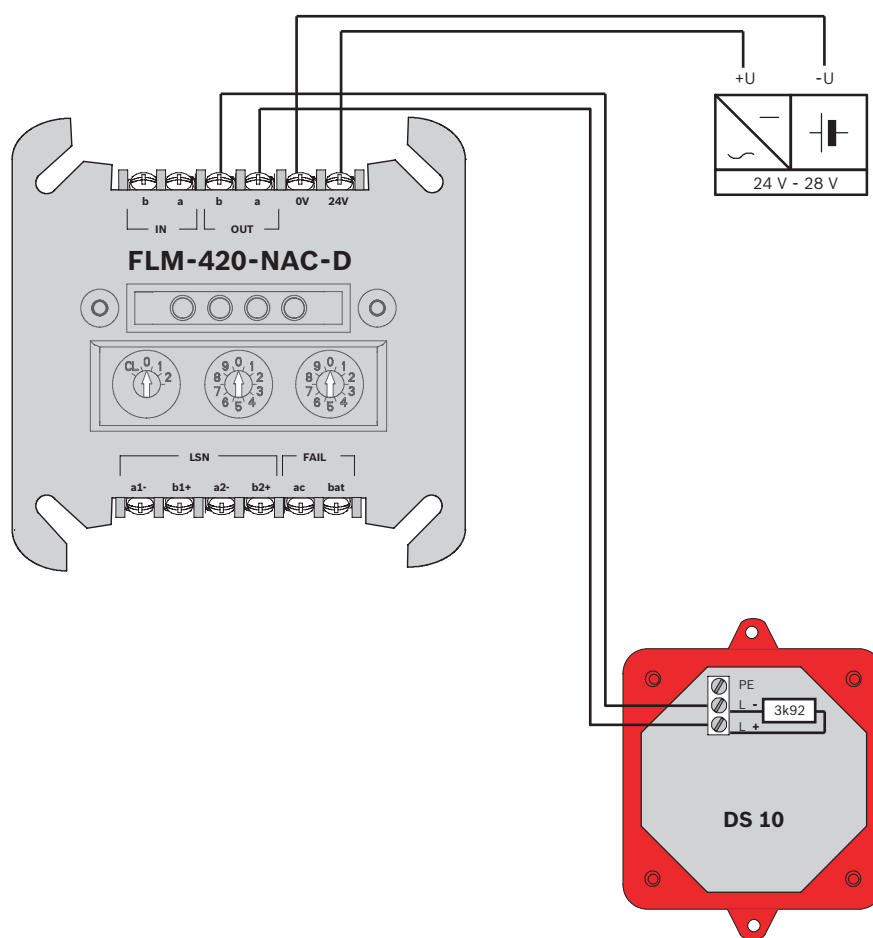
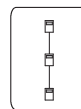


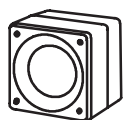
DS 10



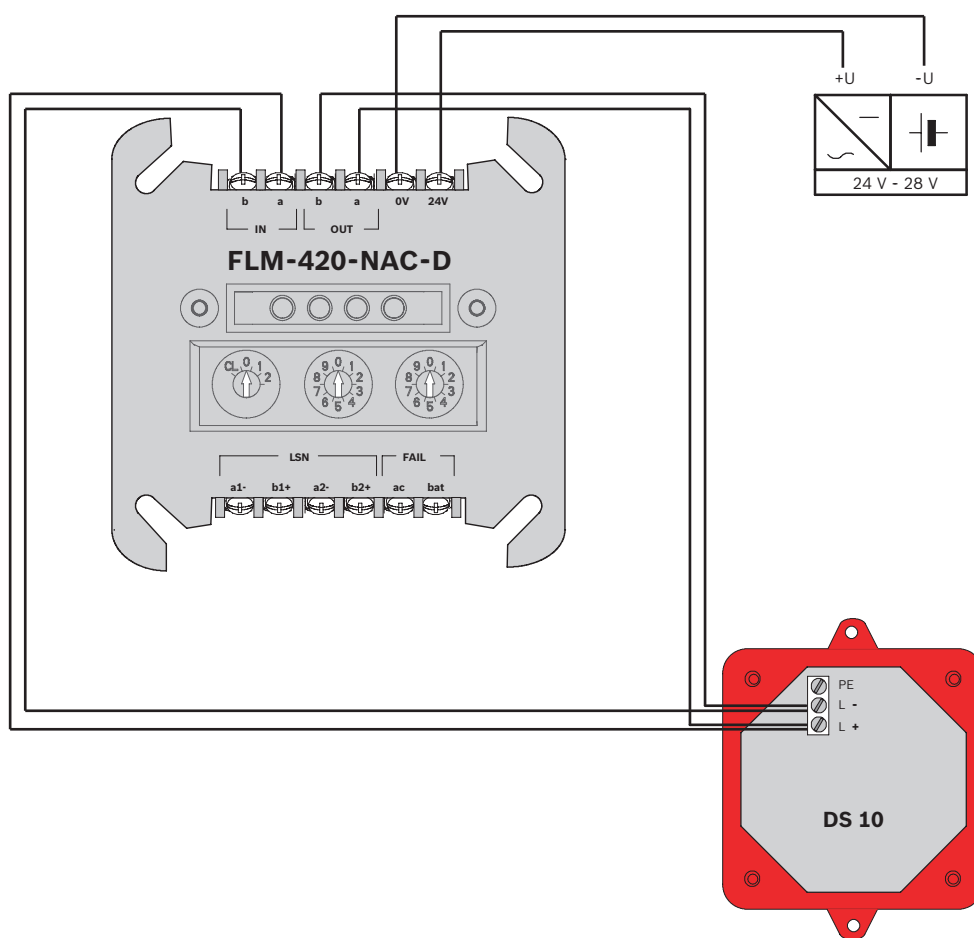
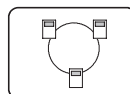
VdS 2489

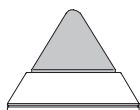
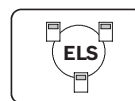
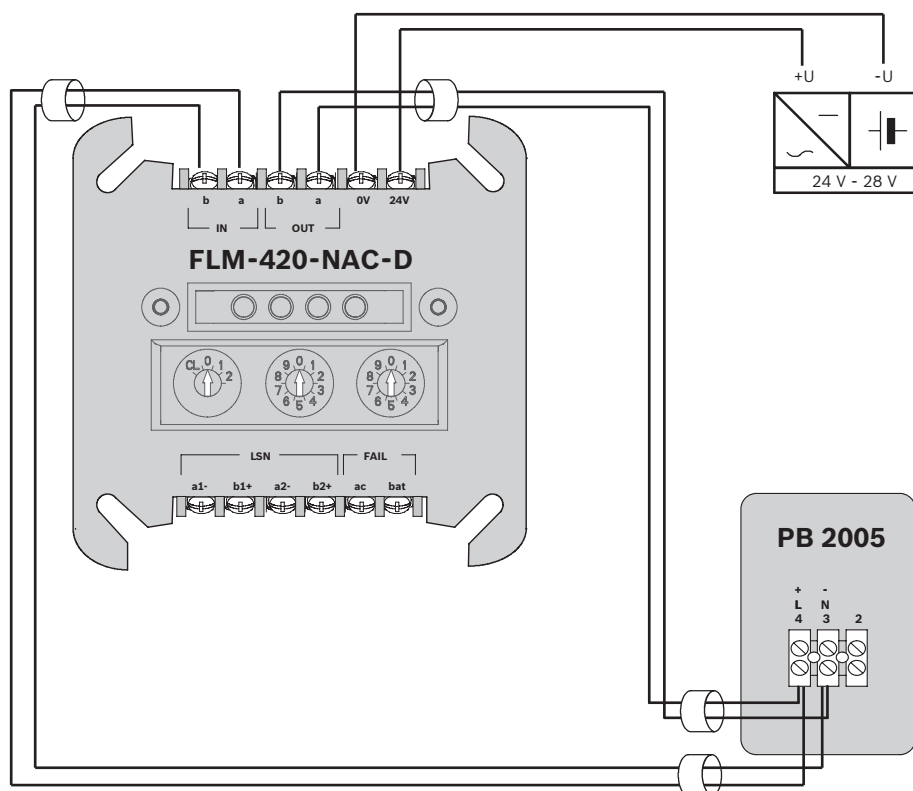


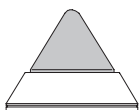
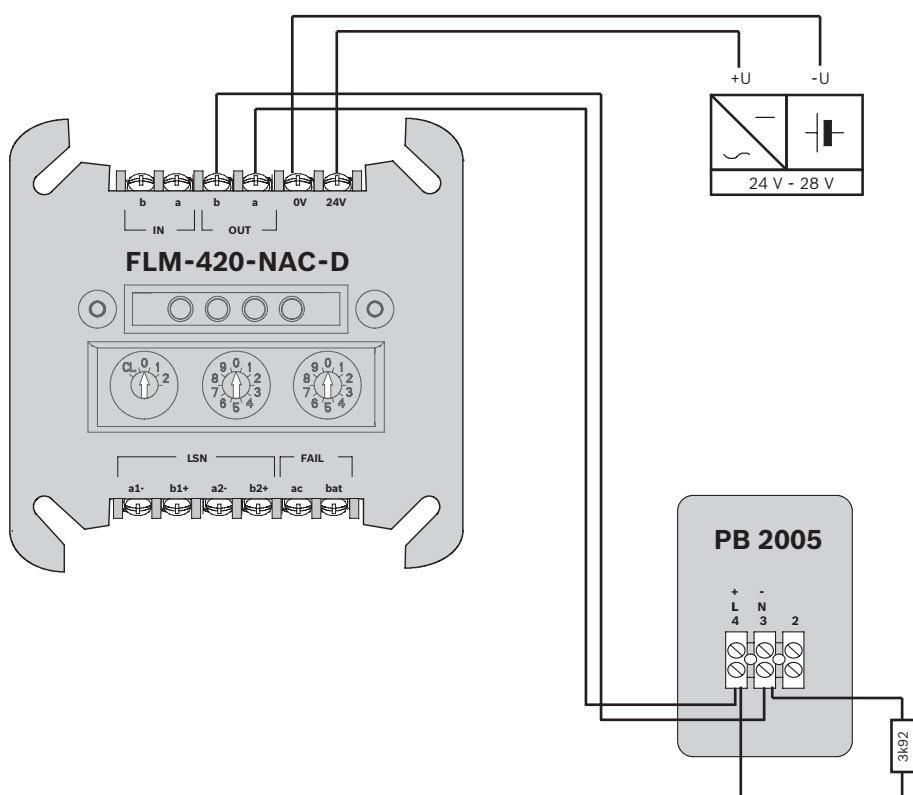
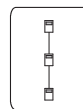
**DS 10**

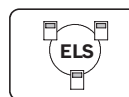
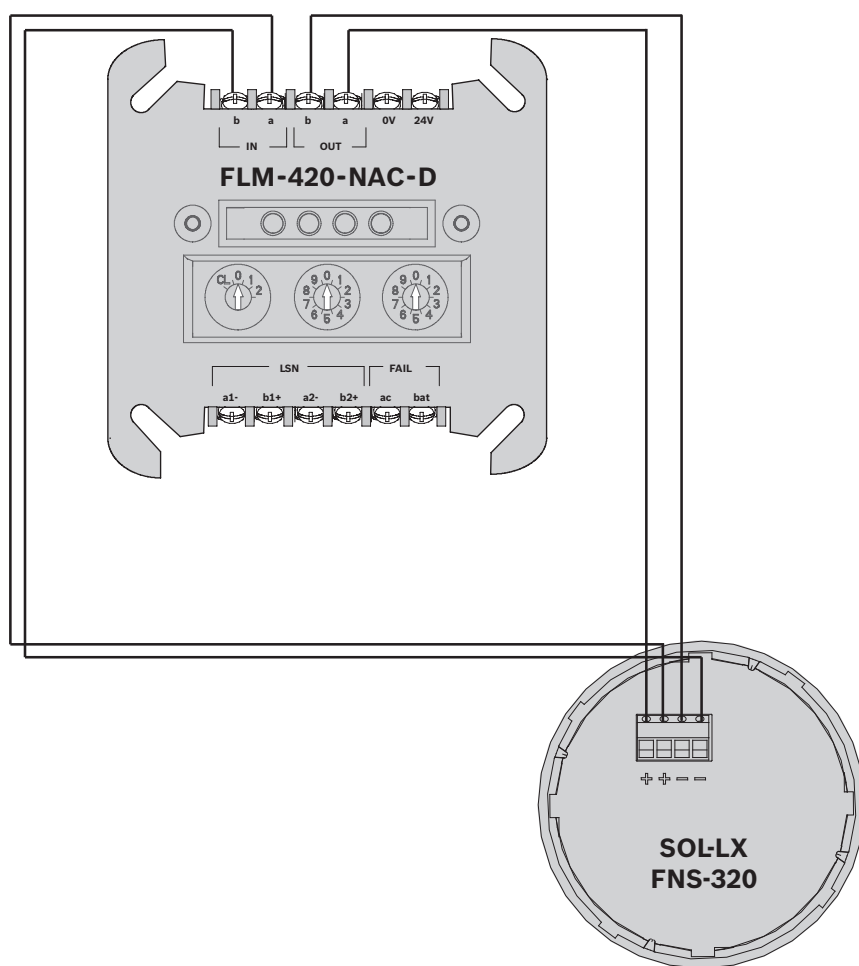


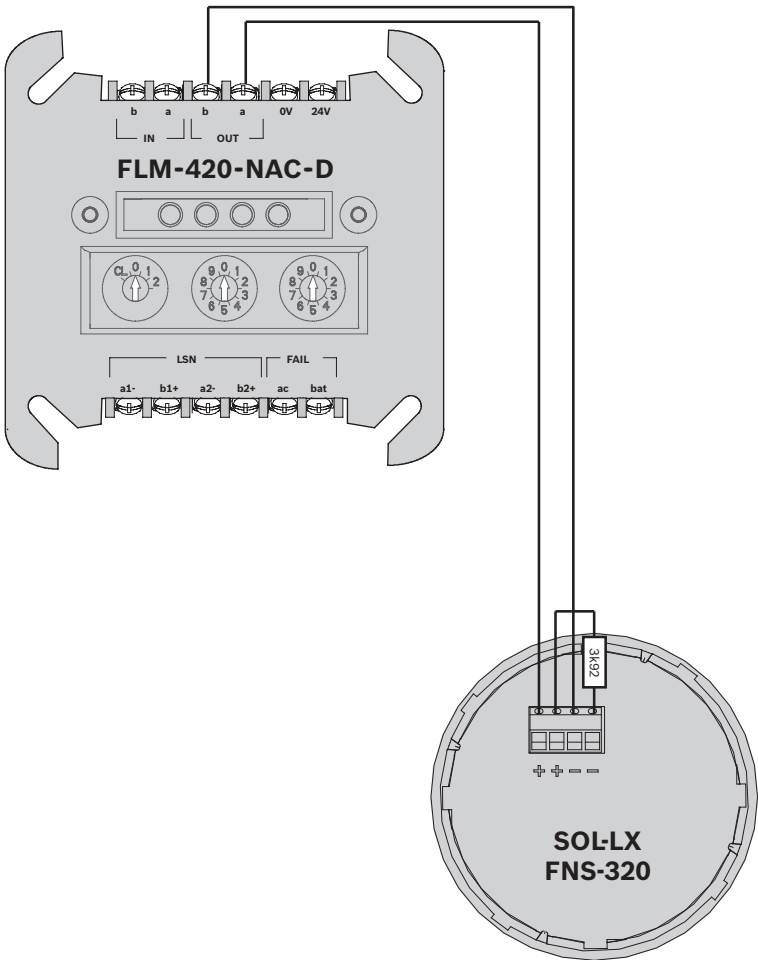
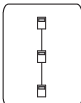
DS 10



**PB 2005****VdS 2489**

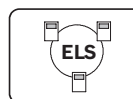
**PB 2005**

**SOL-LX
FNS-320****VdS 2489**

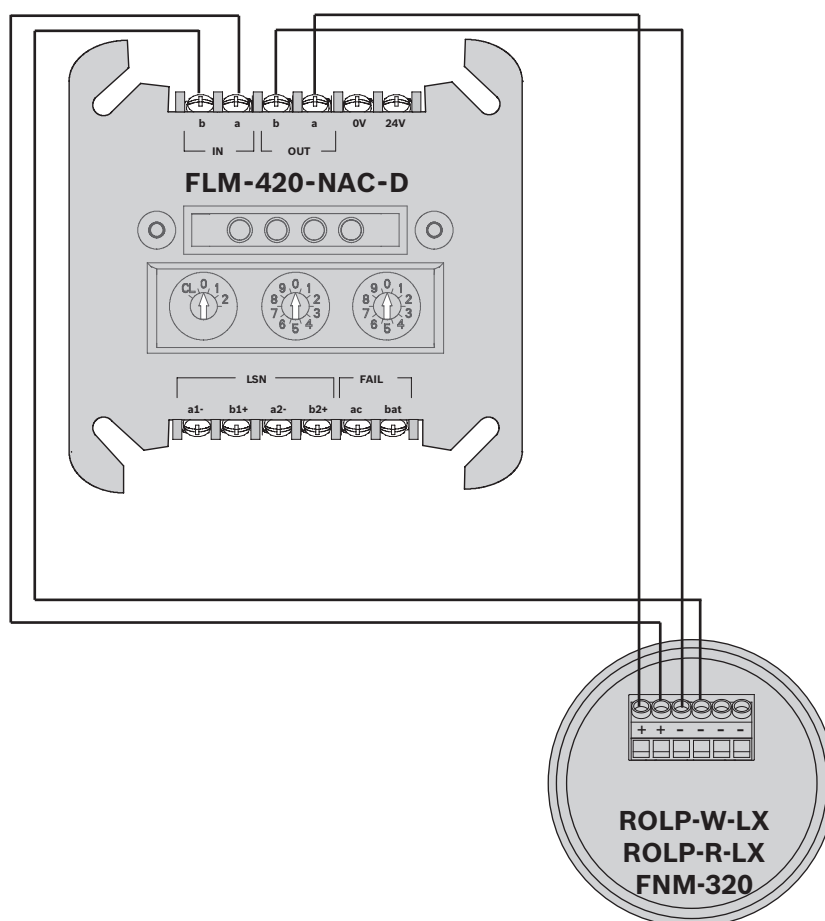


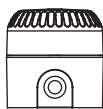


ROLP-W-LX
ROLP-R-LX
FNM-320

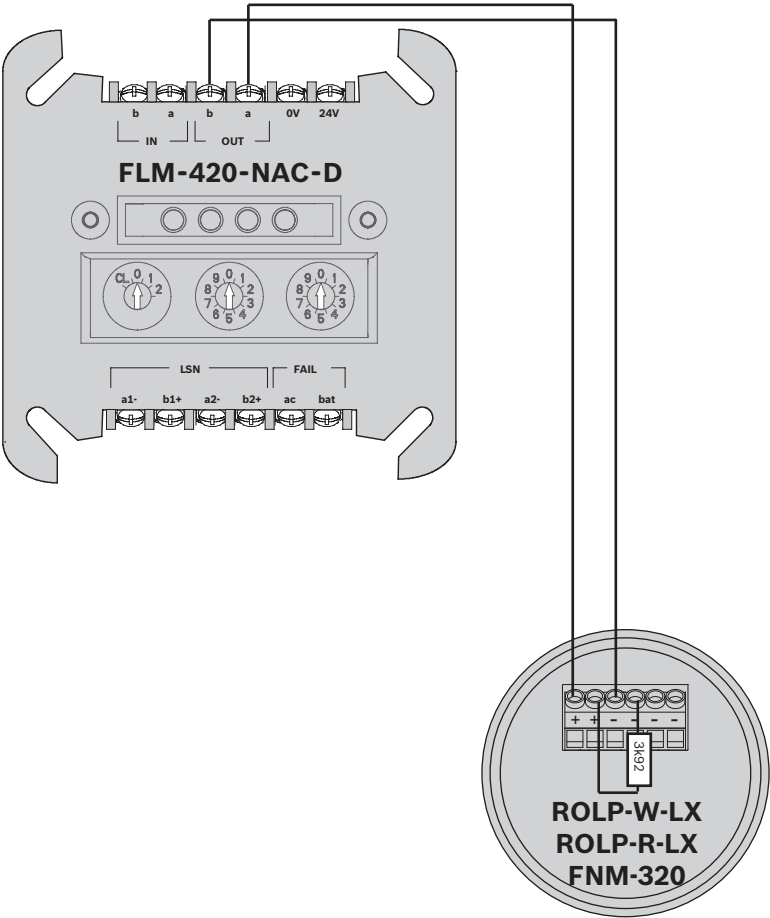
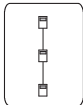


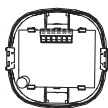
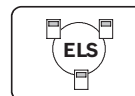
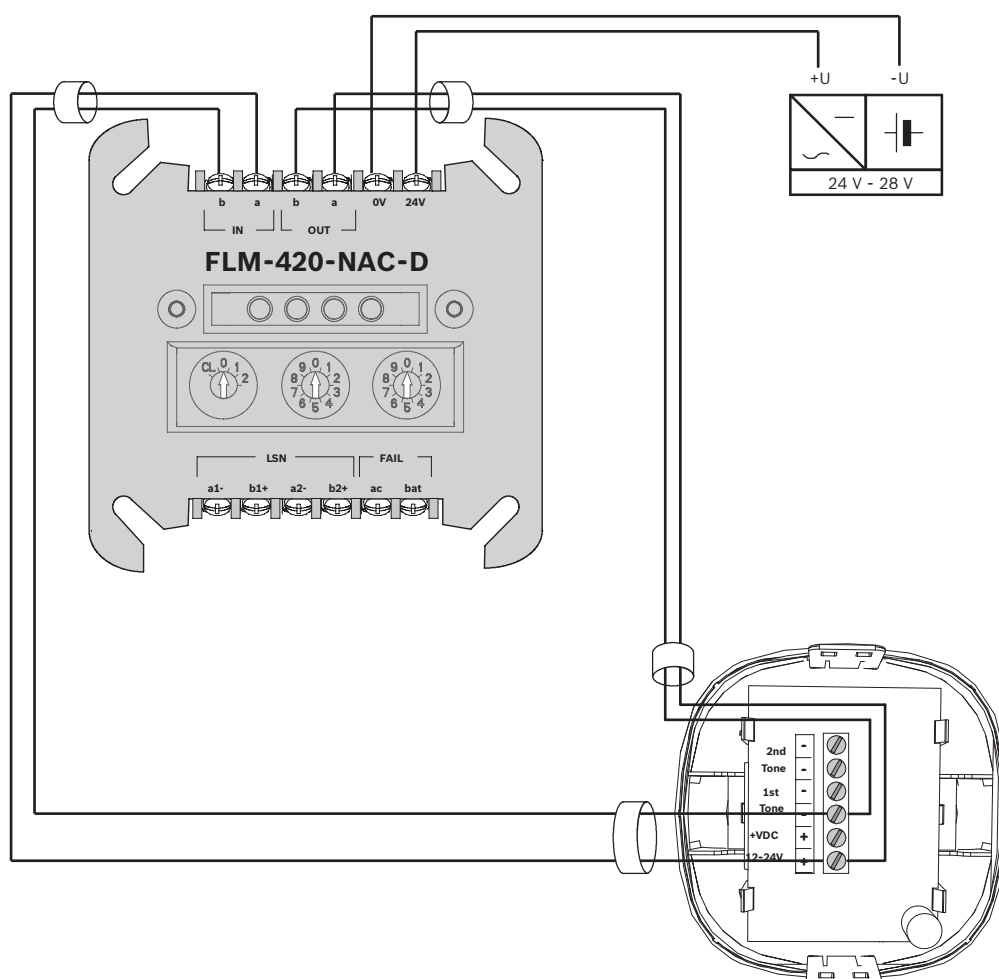
VdS 2489

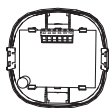




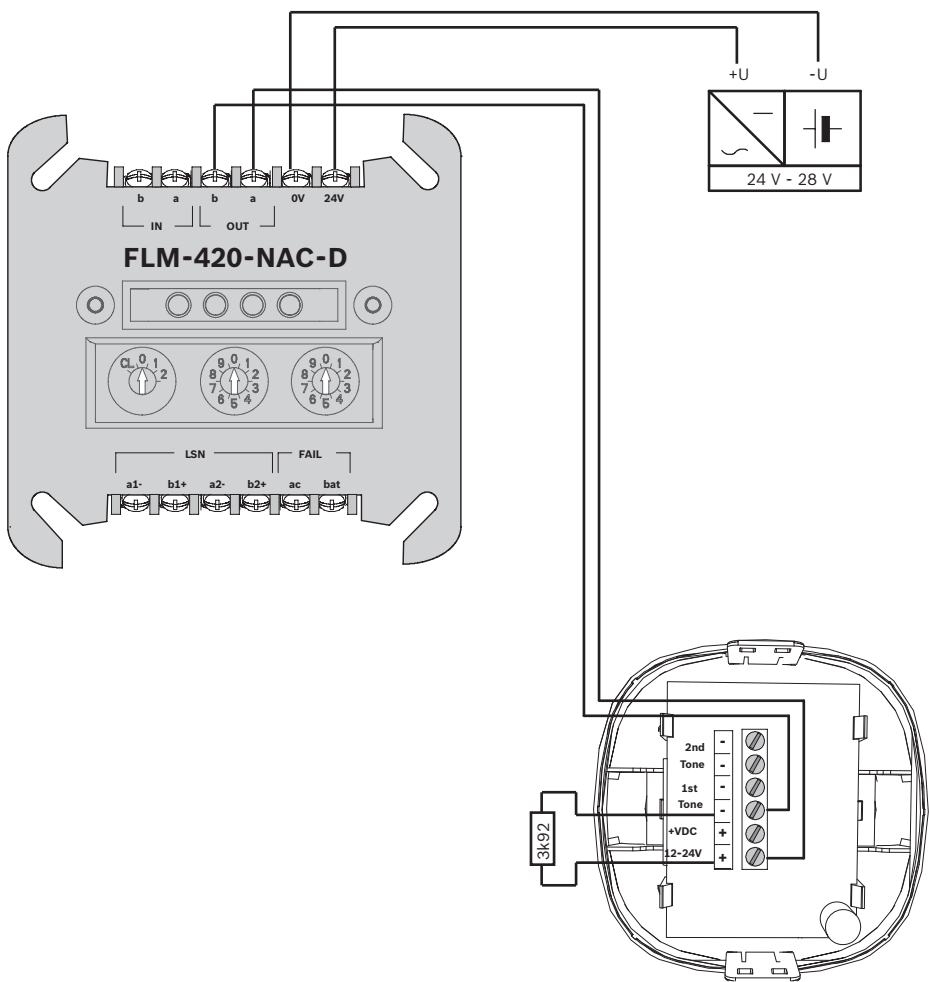
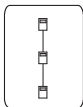
ROLP-W-LX
ROLP-R-LX
FNM-320



**FNM-320V-A / -B****VdS 2489**

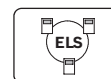


FNM-320V-A / -B

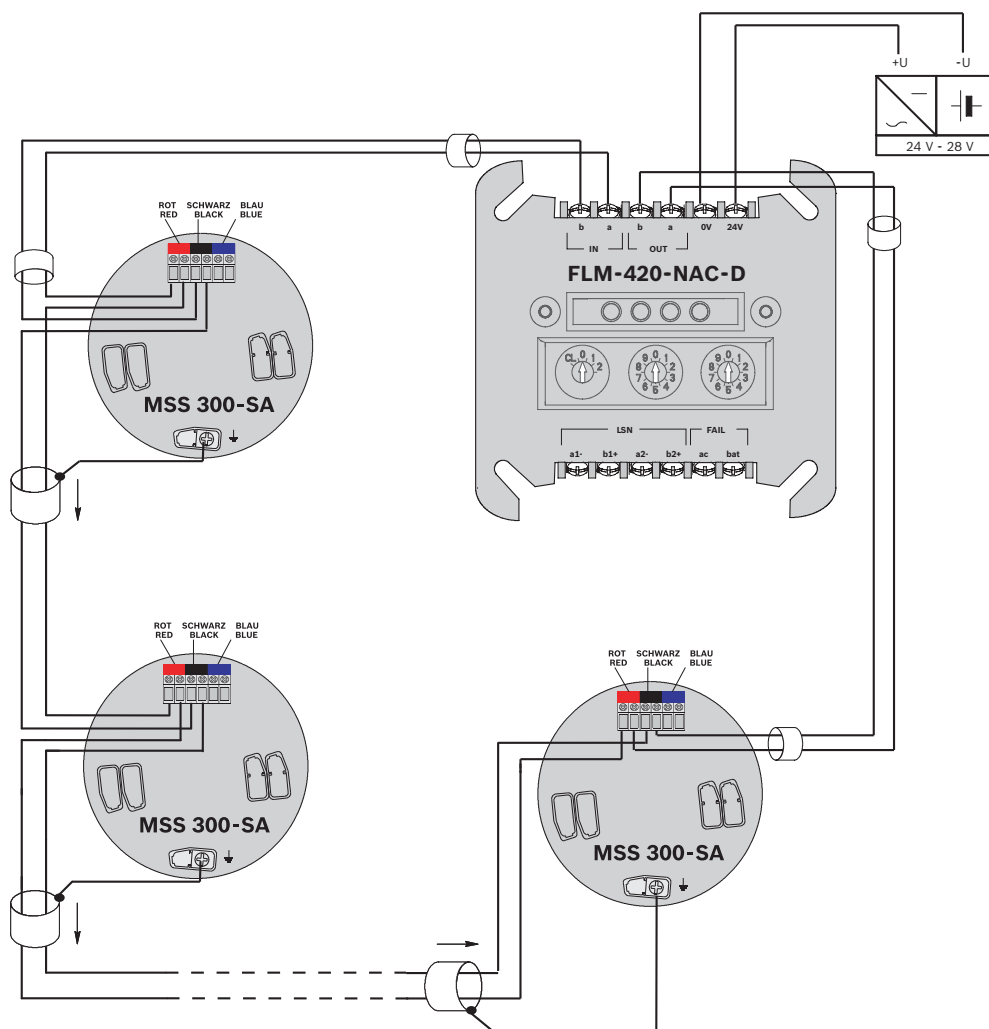




MSS 300-SA

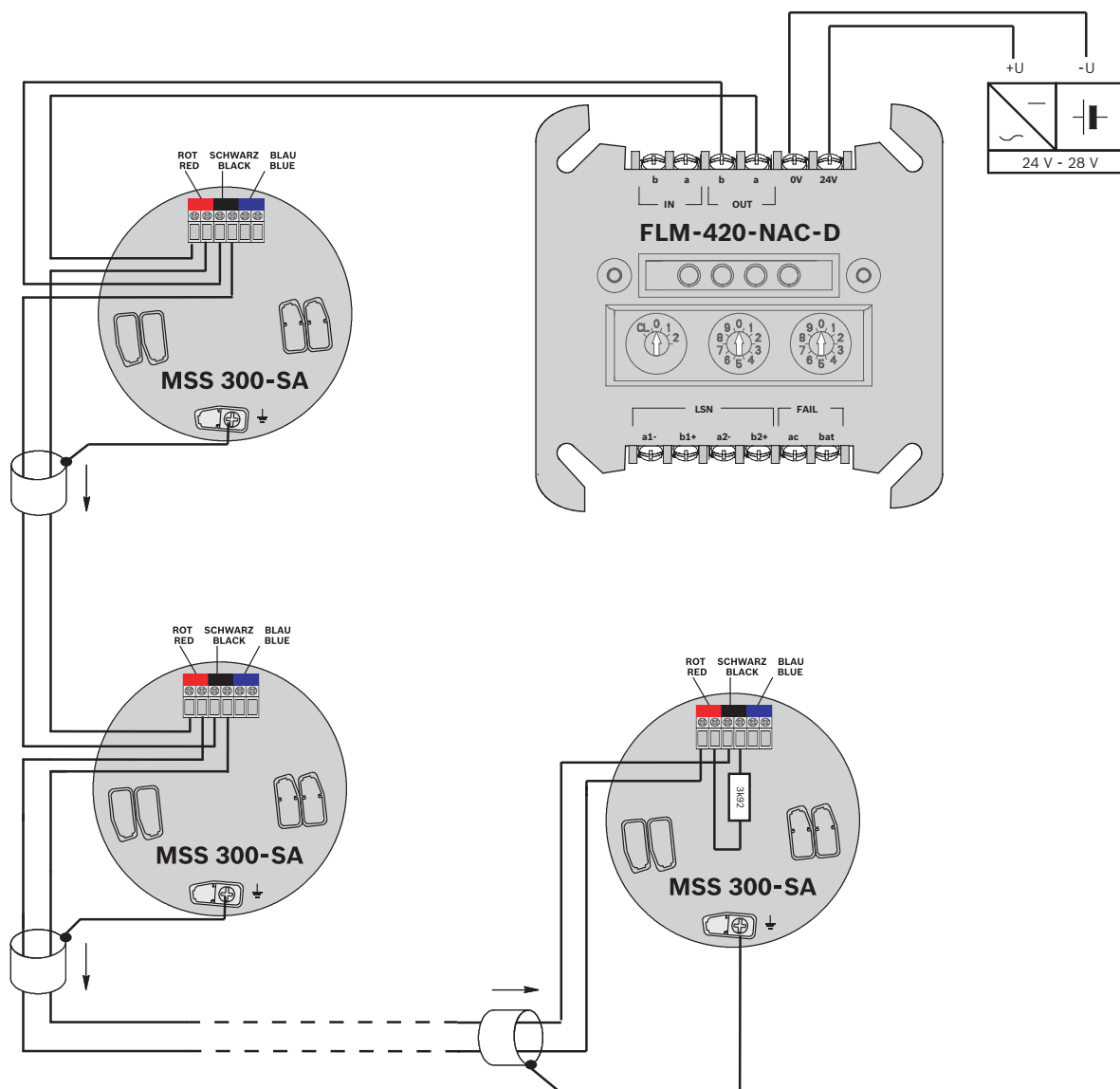
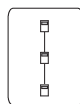


VdS 2489





MSS 300-SA

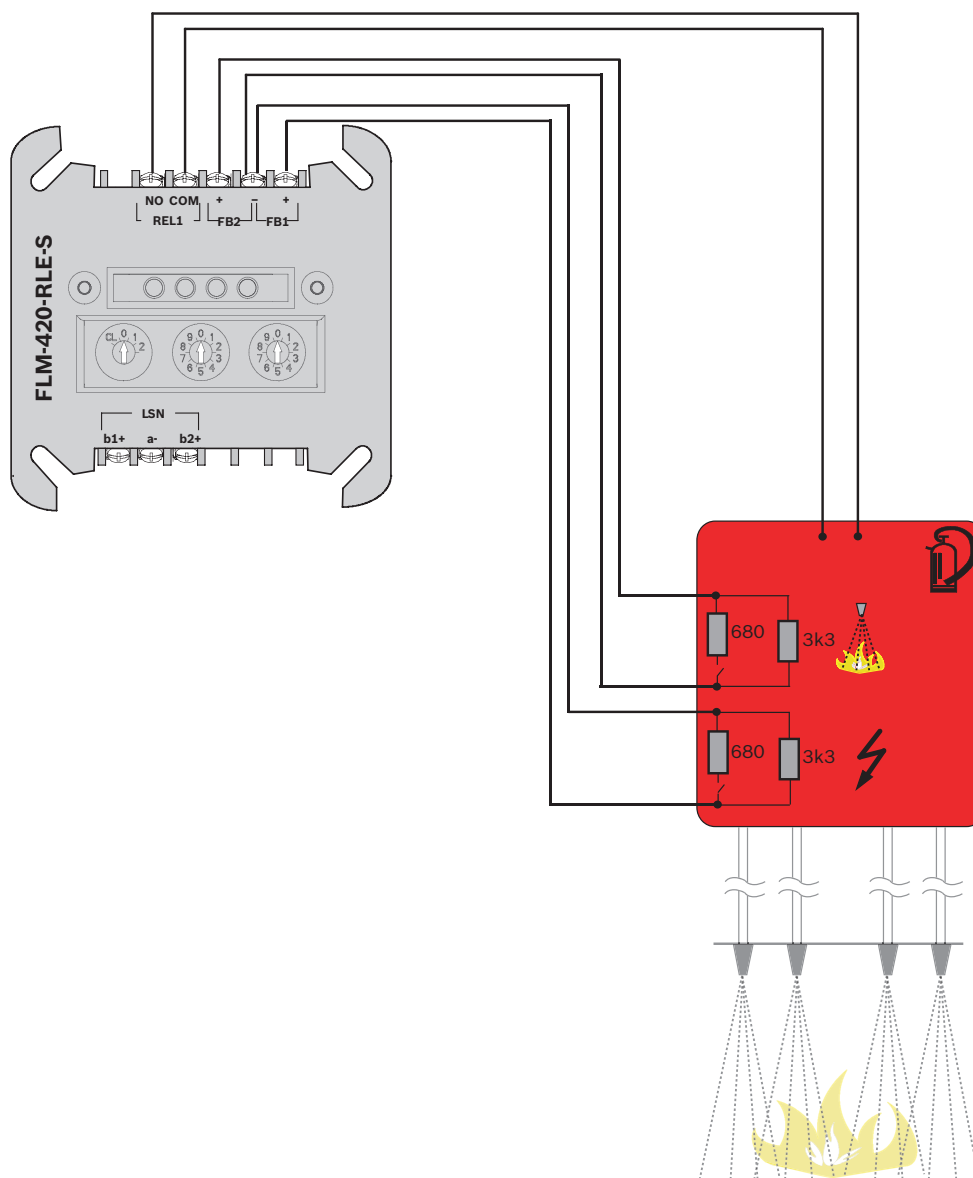


3.4.3

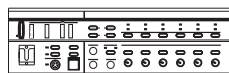
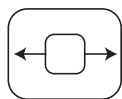
FLM-420-RLE-S



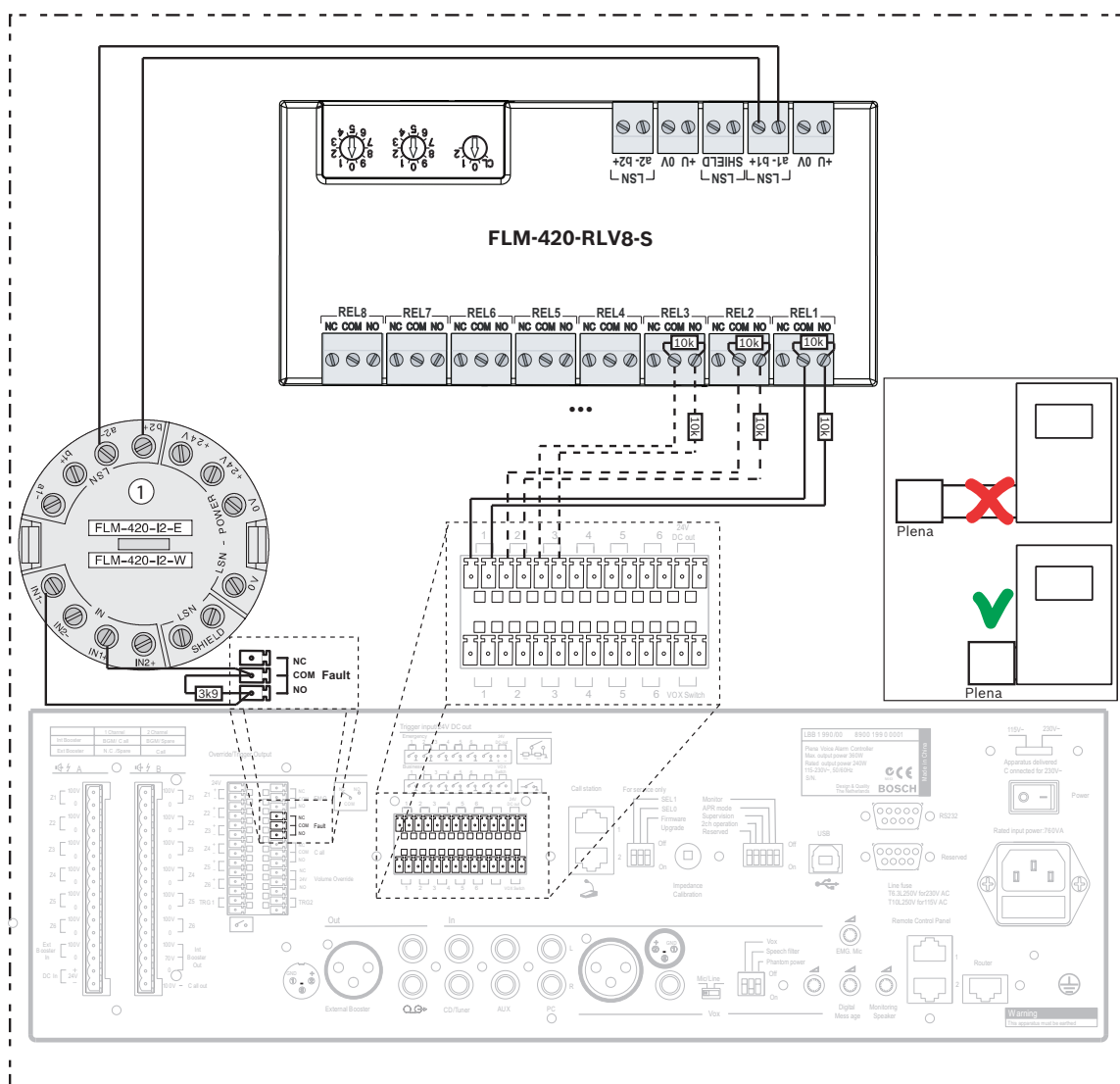
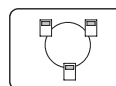
VdS 2496:2005-09



3.4.5 FLM-420-RLV8-S

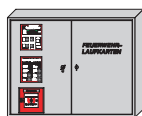


Plena



3.4.6

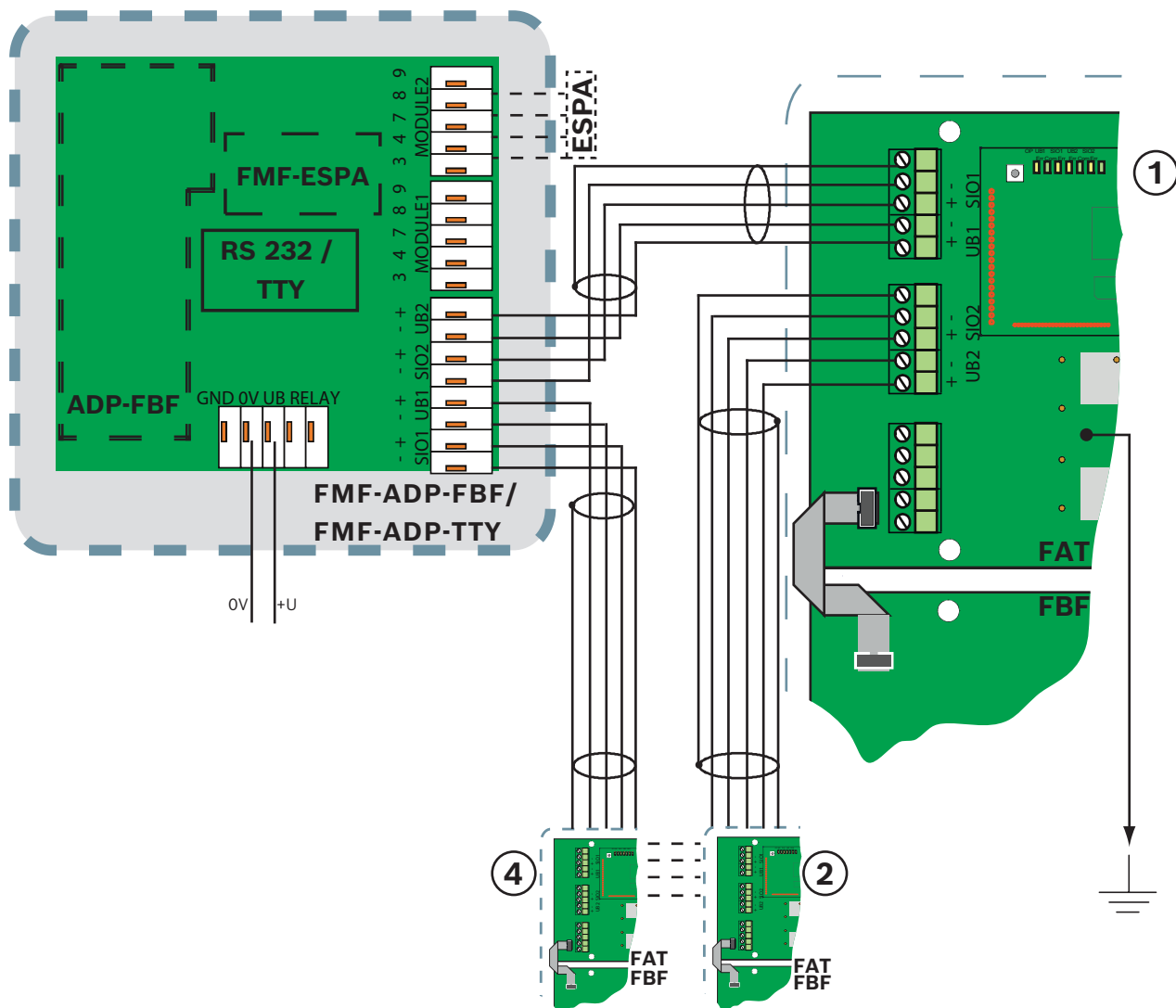
FMF-ADP-FBF/FMF-ADP-TTY



FAT4000 FBF4000 ADP4000

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

ELS VdS 2489

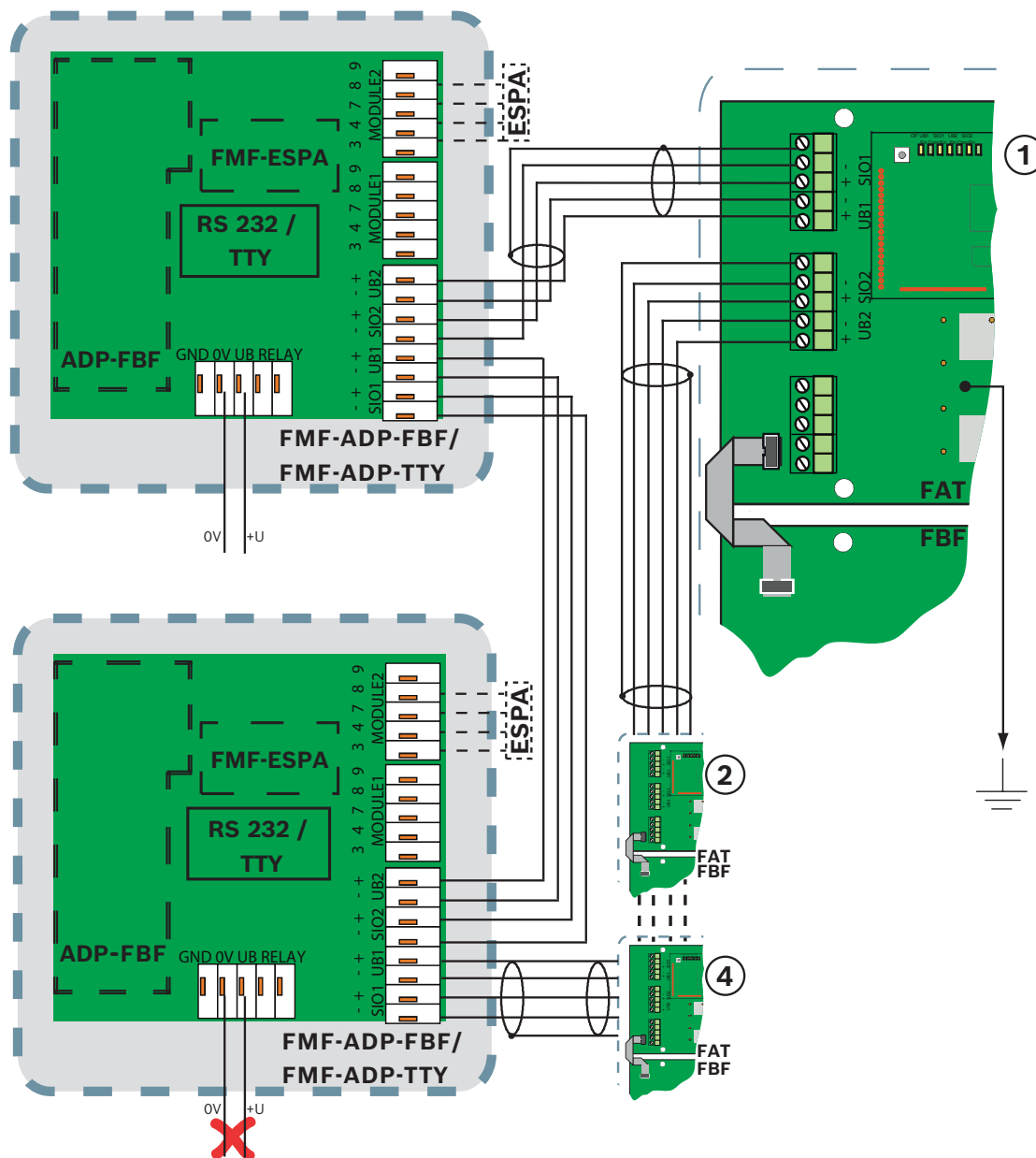




FAT4000 FBF4000 ADP4000

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

ELS VdS 2489



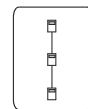
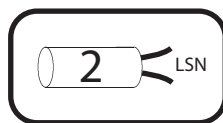
3.5

EOL



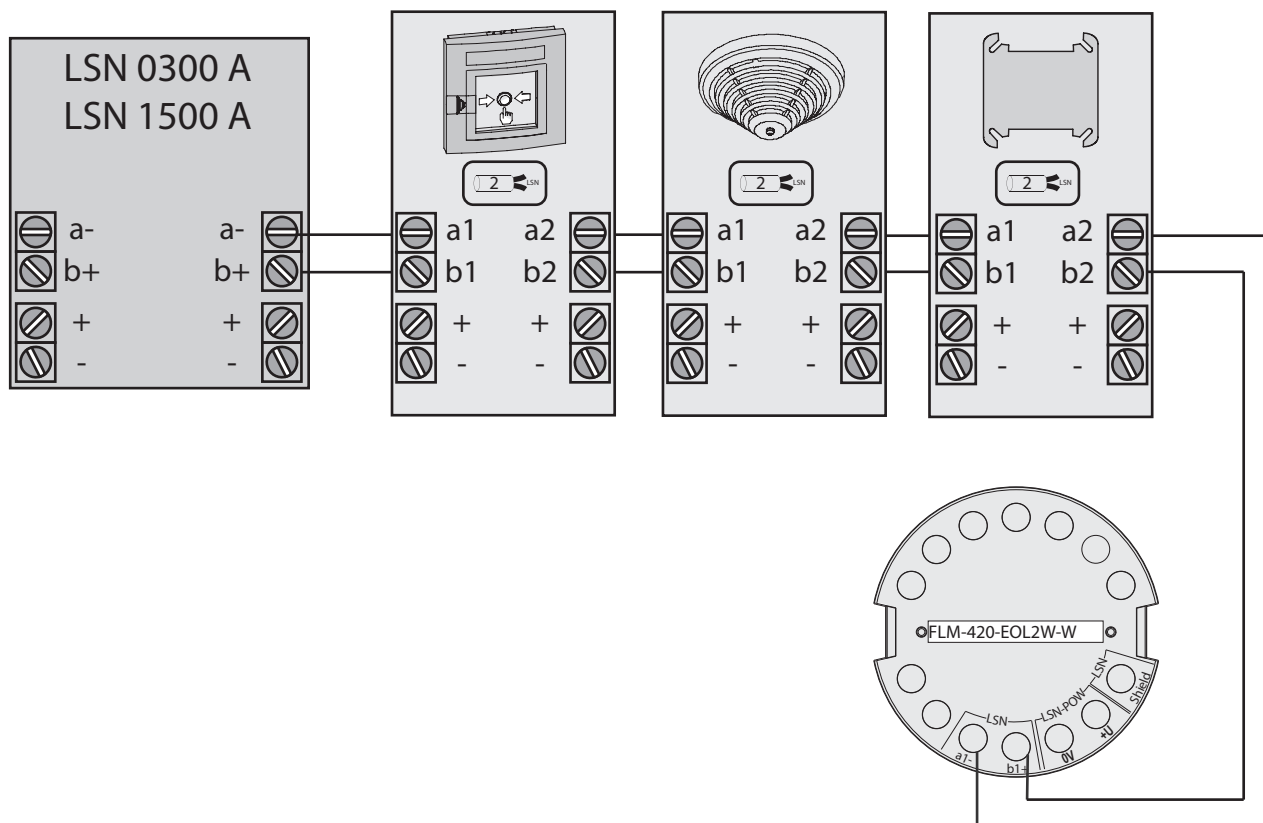
LSN 0300 A, pagina 181

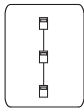
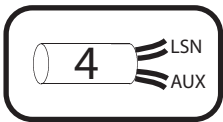
FLM-420/4-CON-S/D, pagina 223

3.5.1**LSN 0300 A**

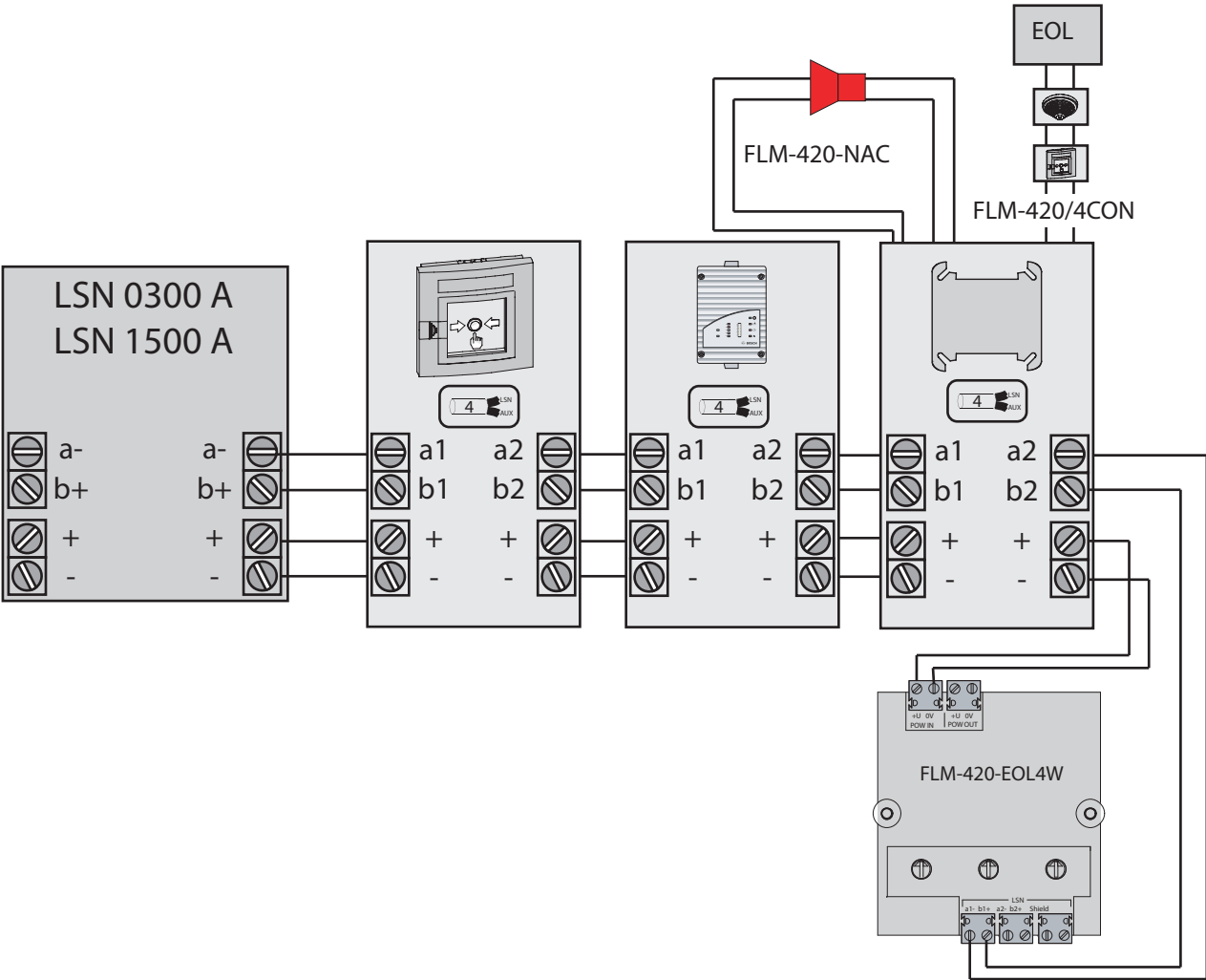
ELS

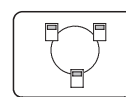
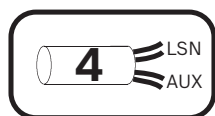
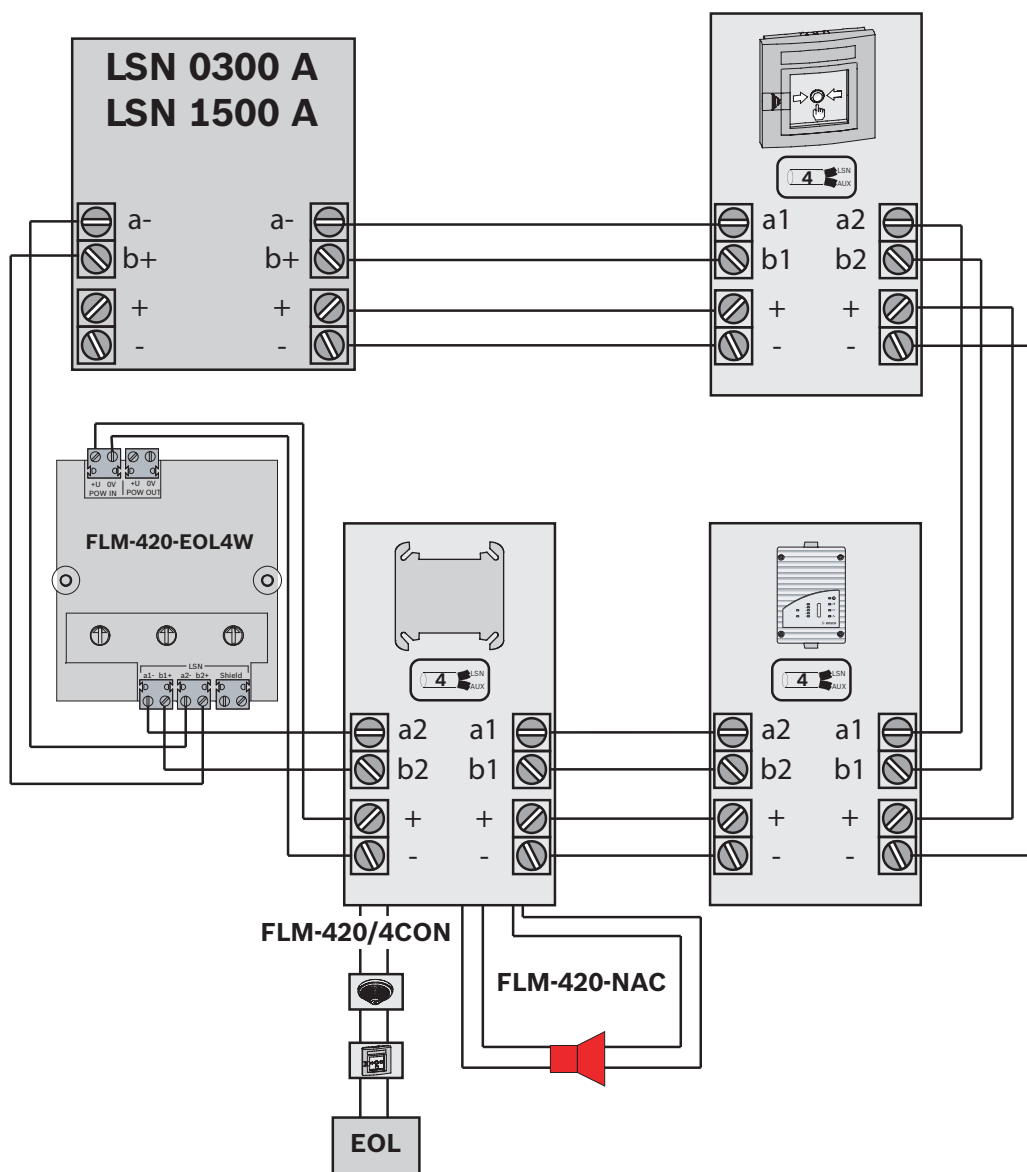
VdS 2489





ELS VdS 2489

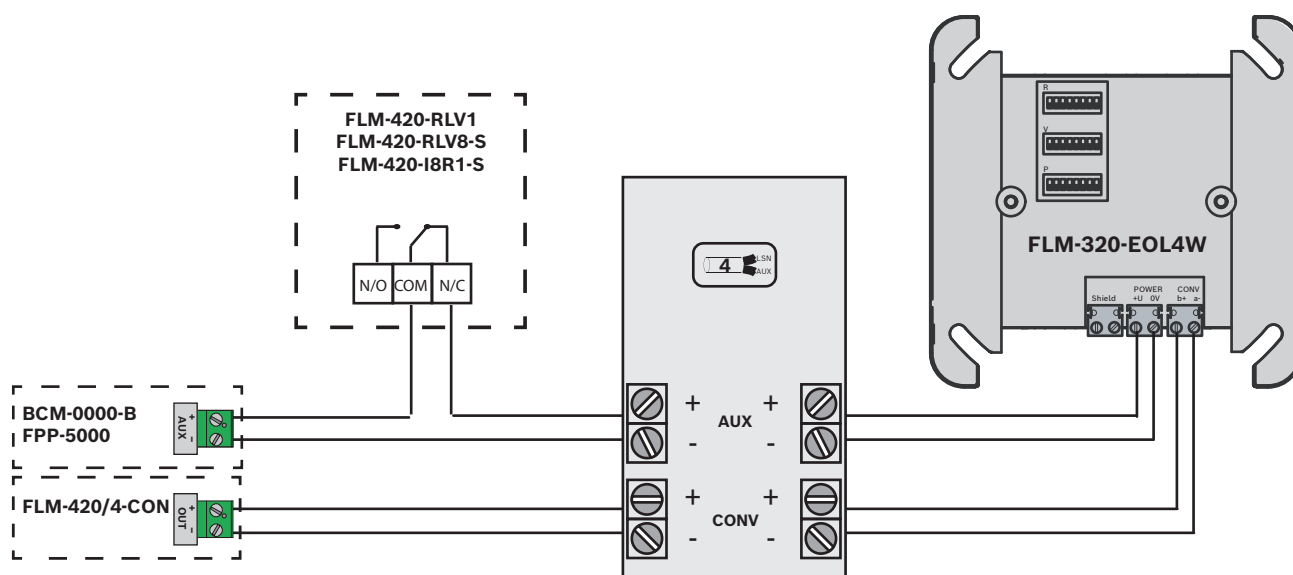


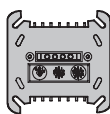
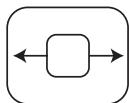
**ELS VdS 2489**



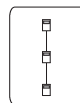
Reset action

ELS VdS 2489

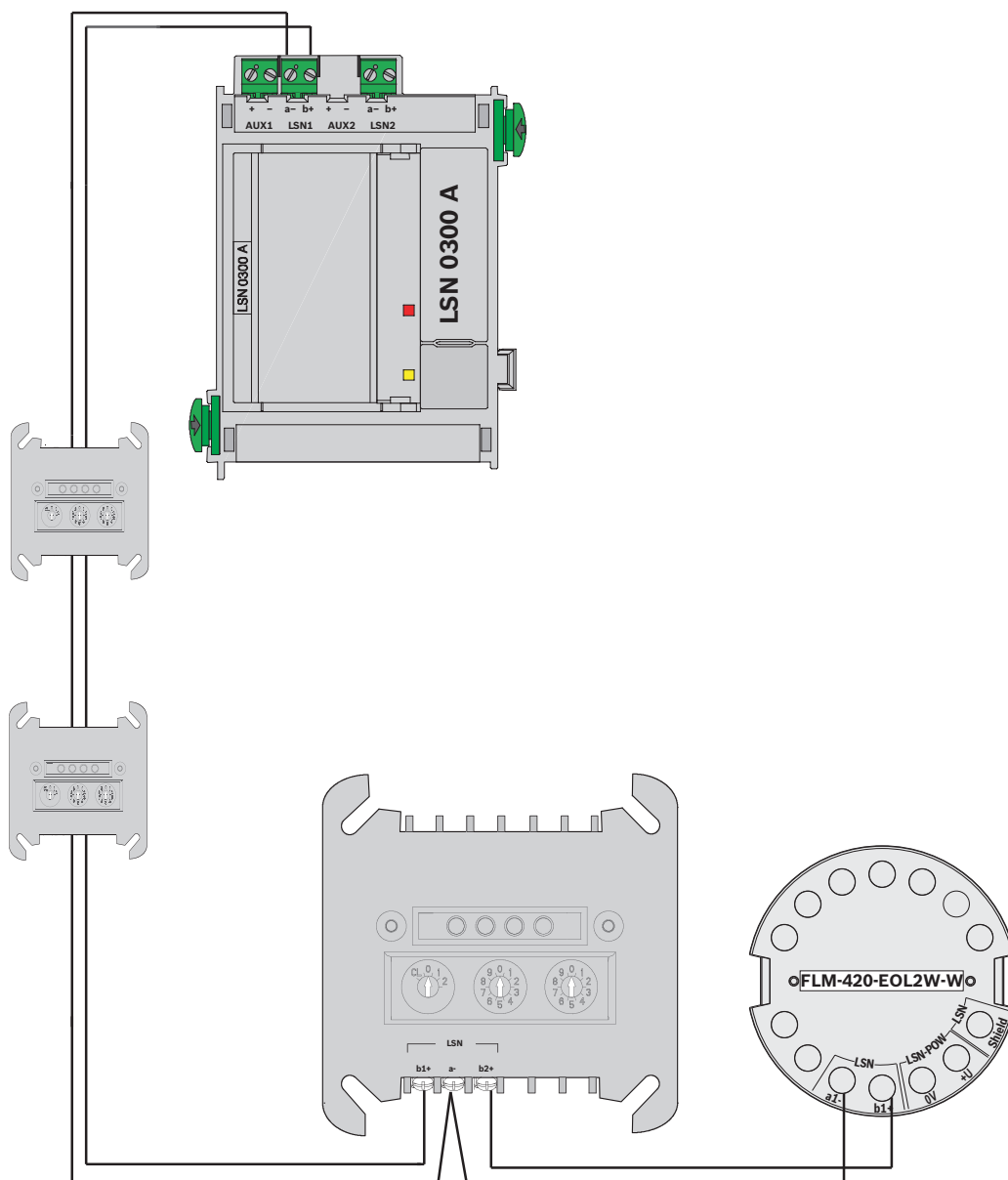


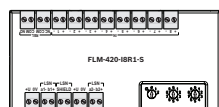
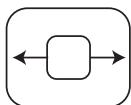
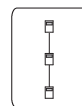
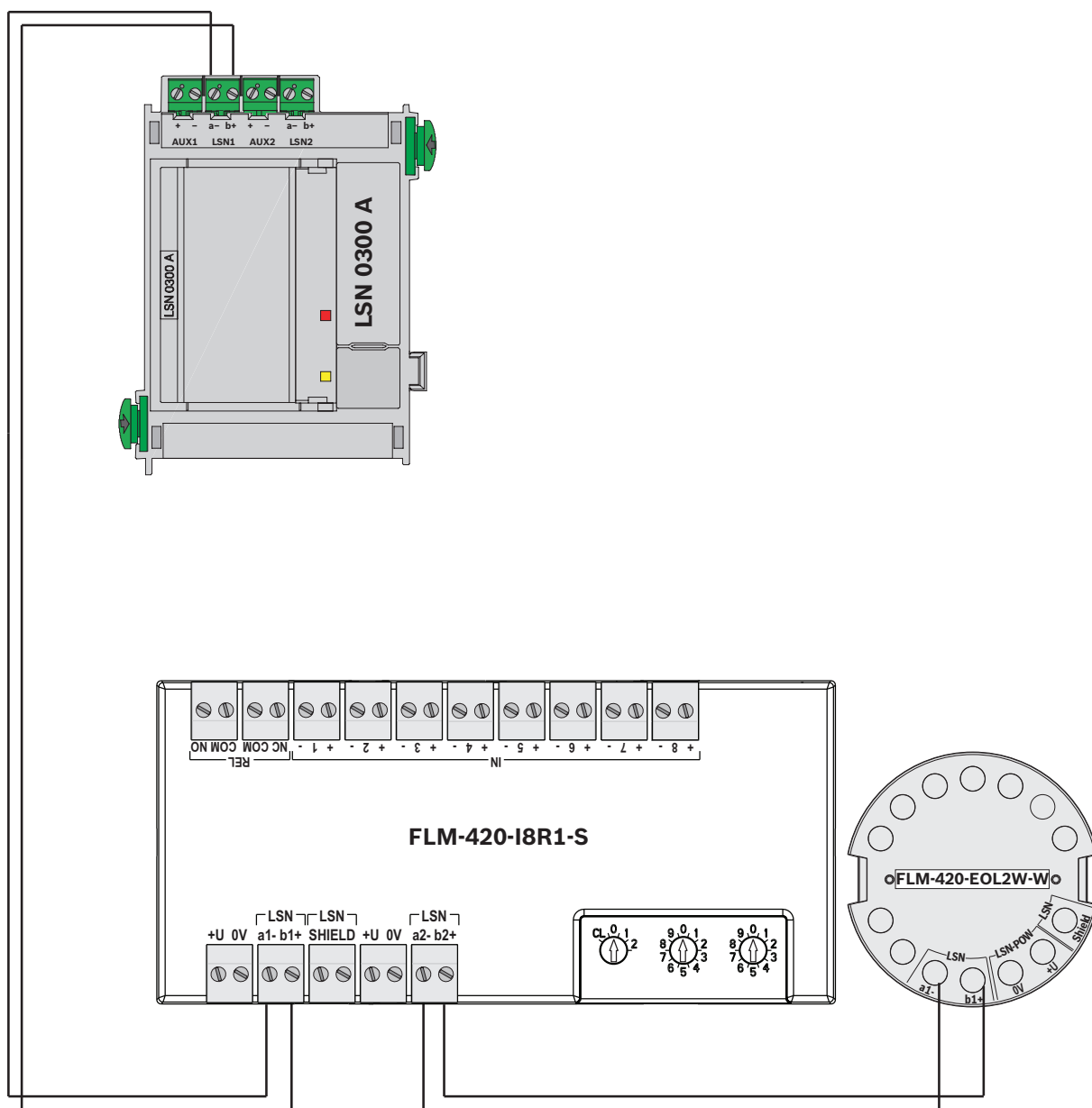


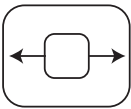
FLM-420-I2-D
FLM-420-O1I1-D
FLM-420-RHV-D/S
FLM-420-RLV1-D



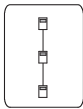
ELS VdS 2489



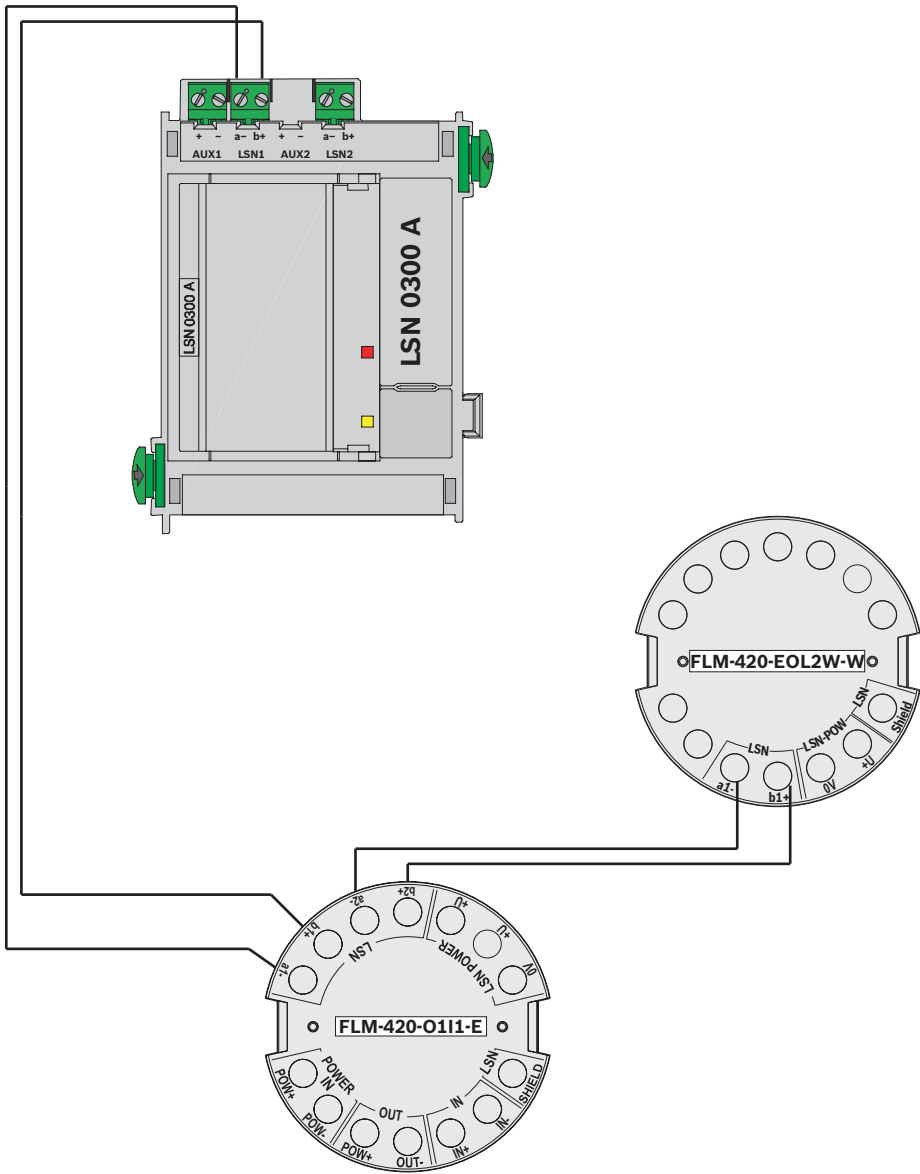
**FLM-420-I8R1-S****ELS VdS 2489**

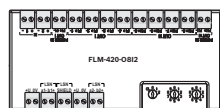
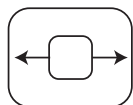
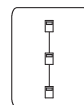
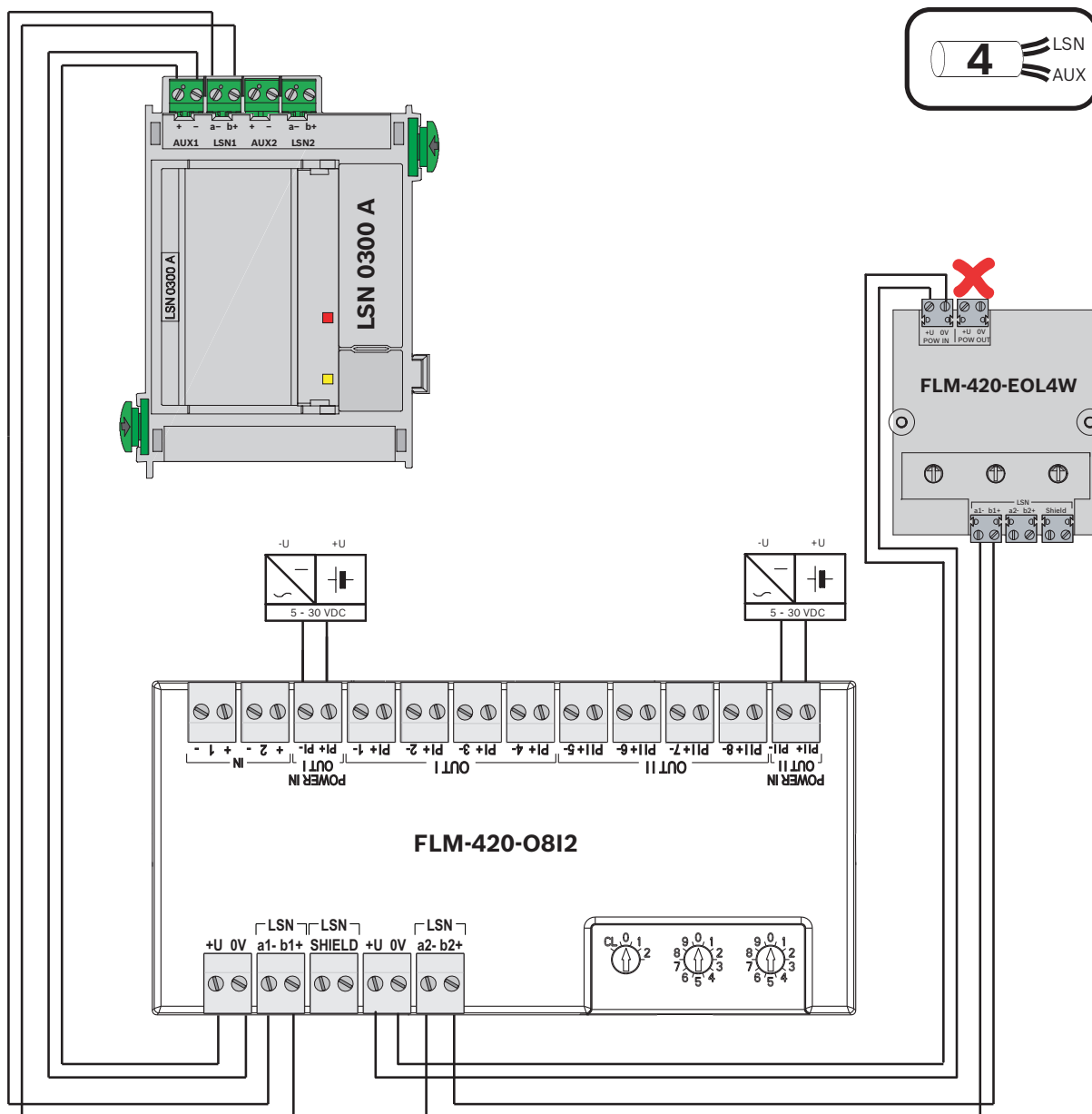


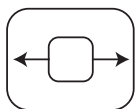
FLM-420-O111-E



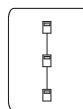
ELS VdS 2489



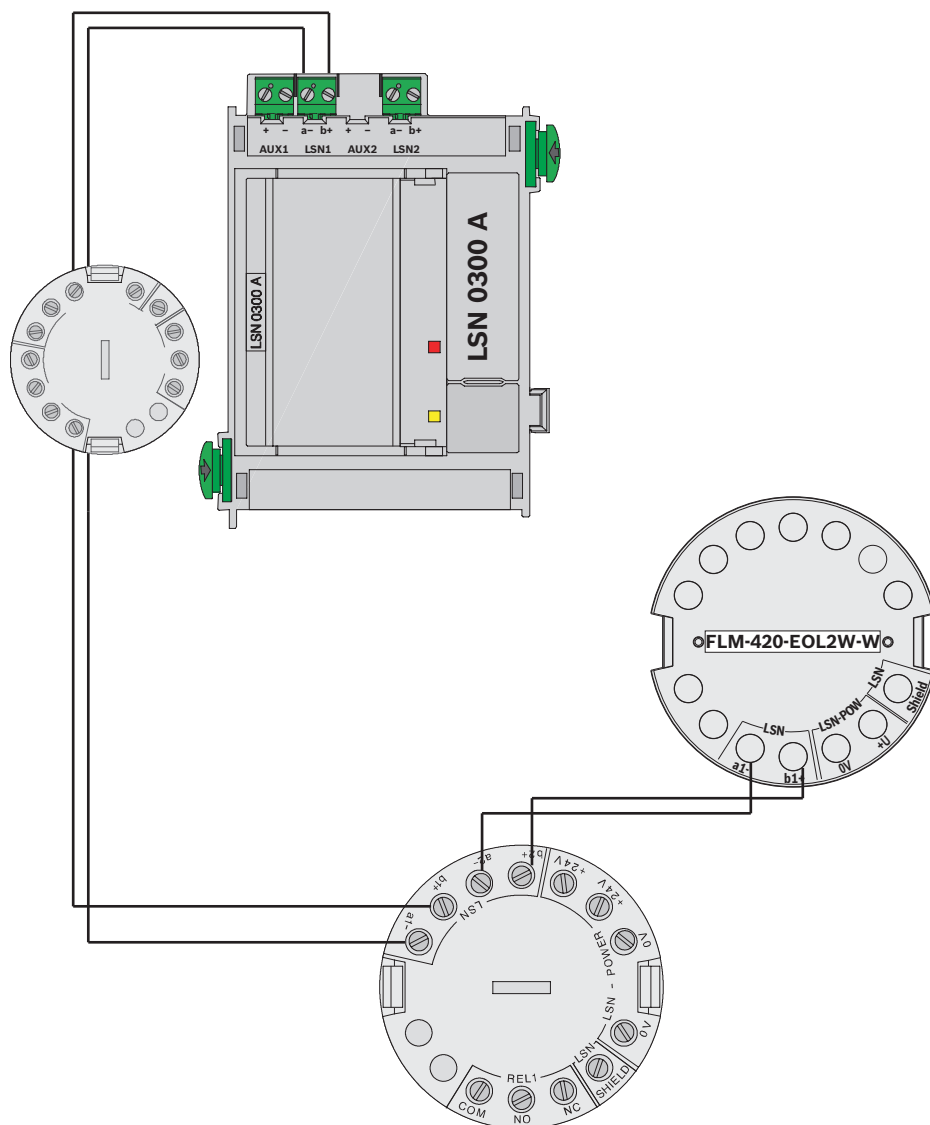
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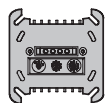
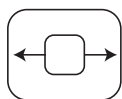
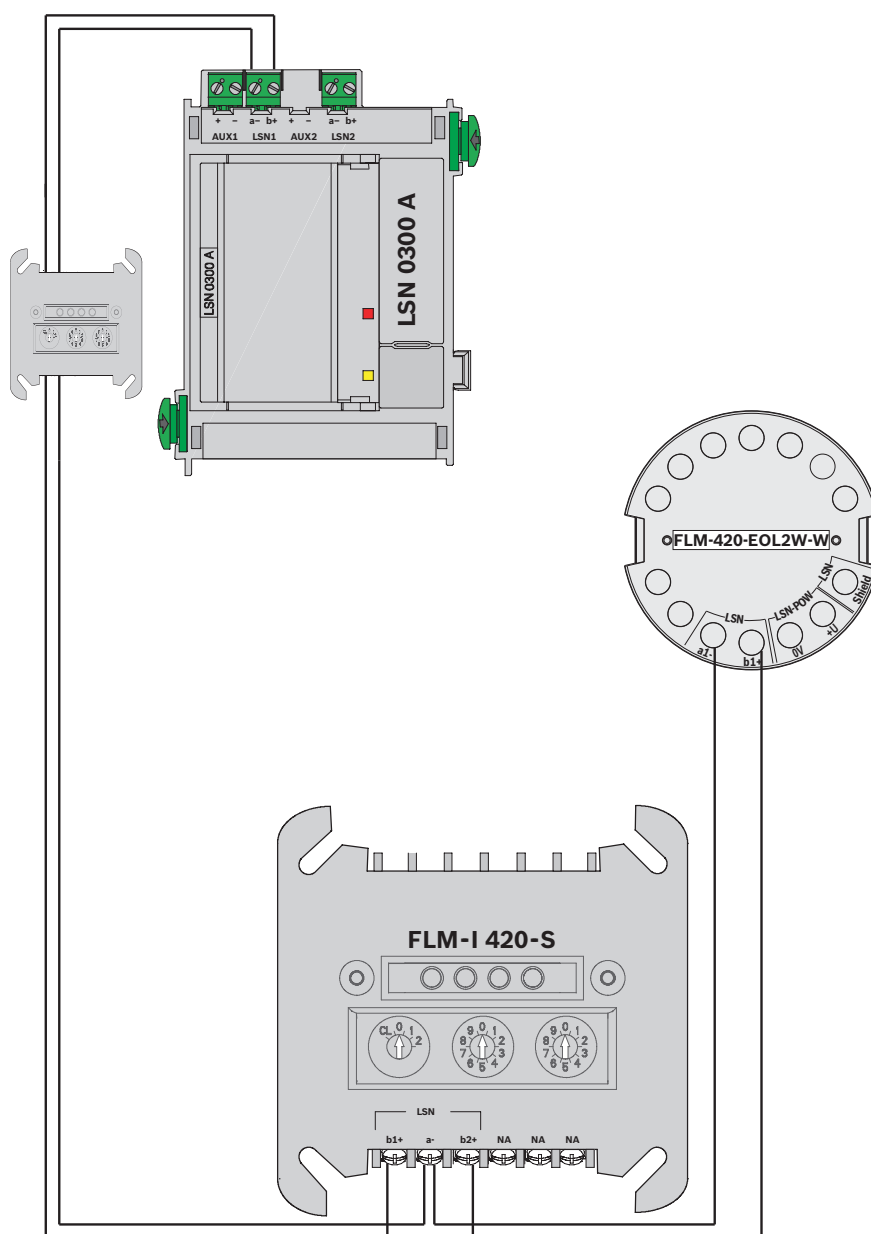


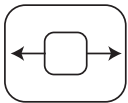
FLM-420-I2-E/-W
FLM-420-RLV1-E



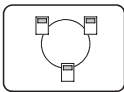
ELS VdS 2489



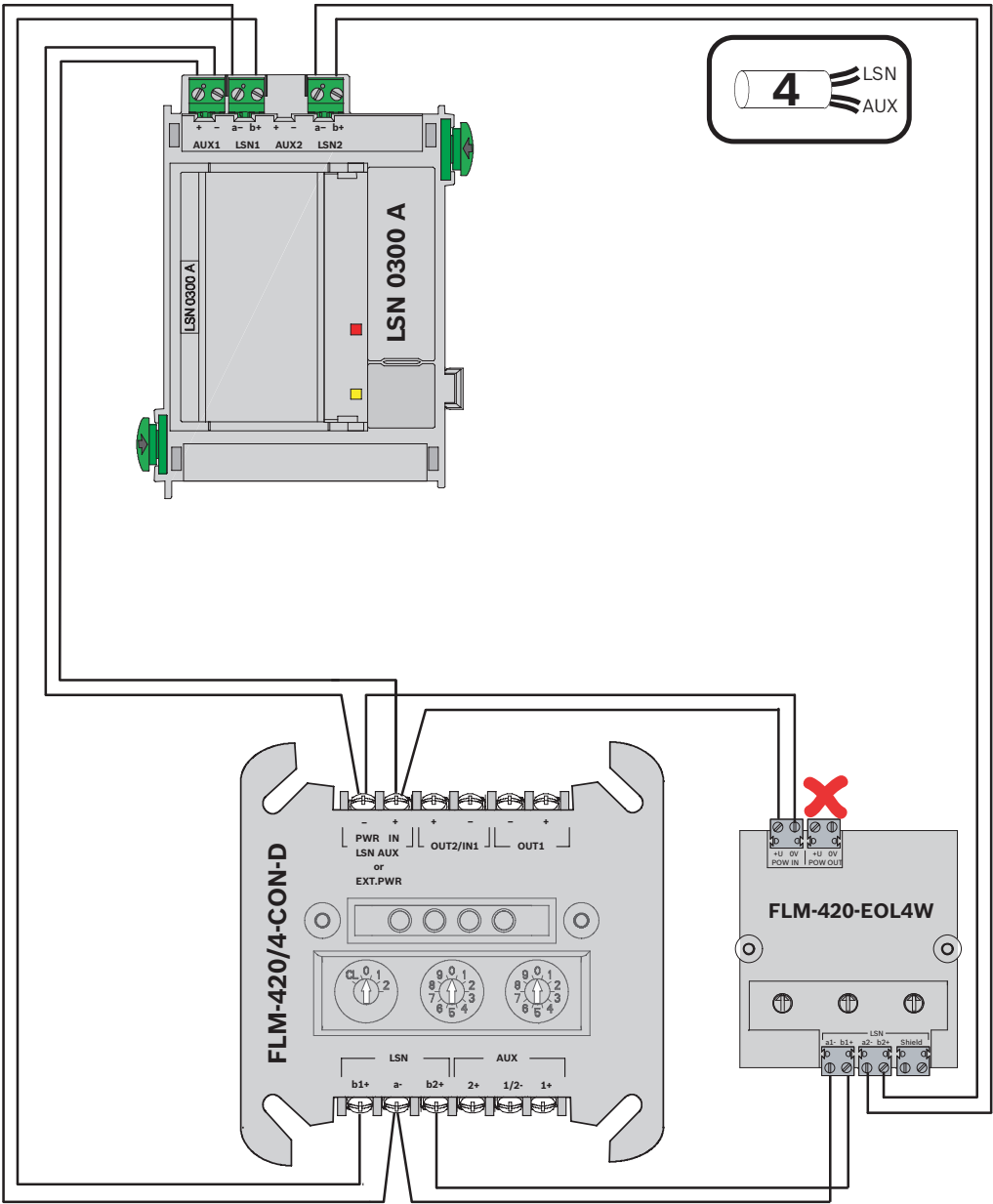
**FLM-I 420-S****ELS VdS 2489**

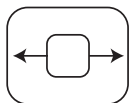


FLM-420/
4-CON-D

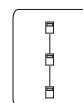


ELS VdS 2489

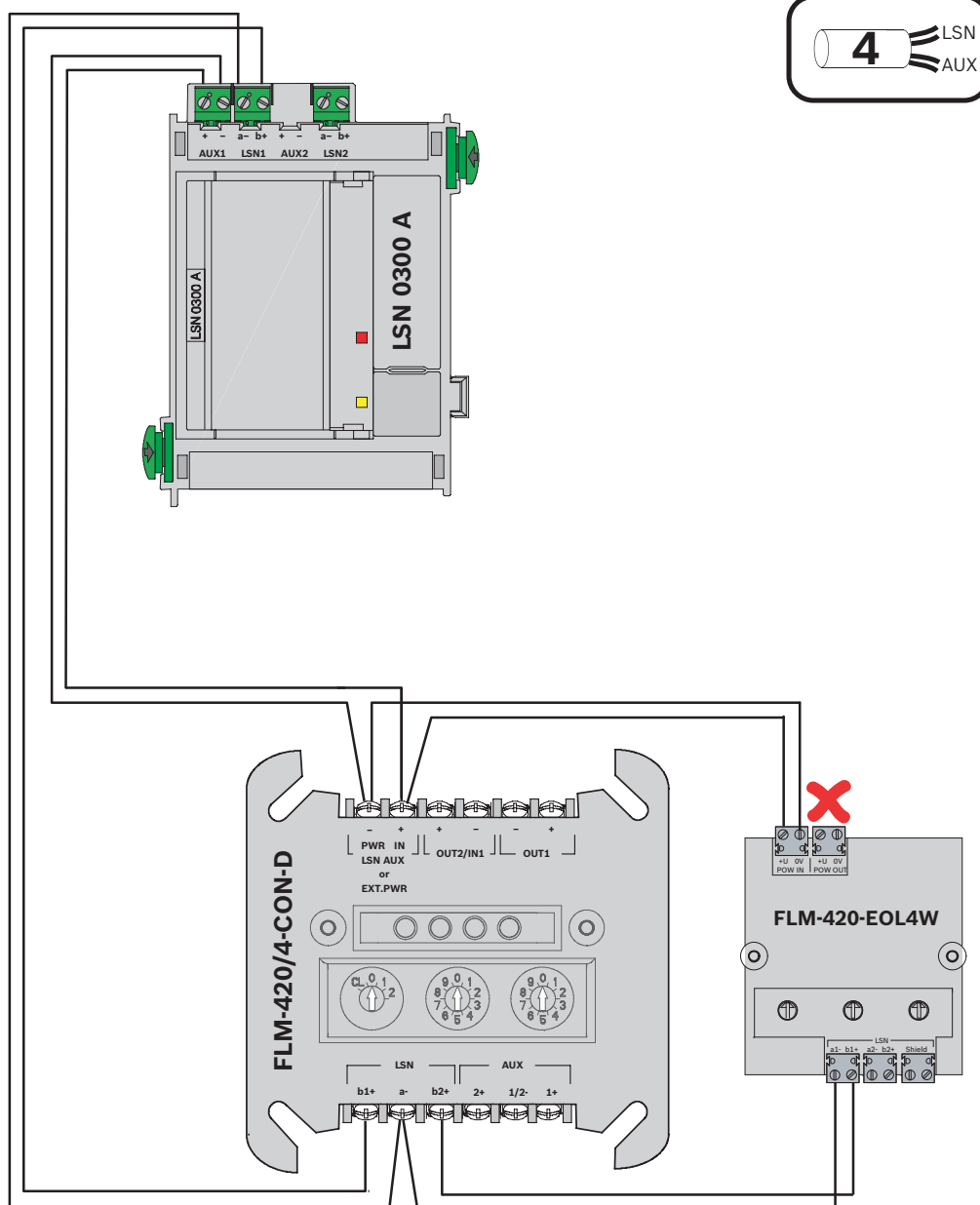


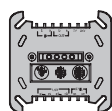
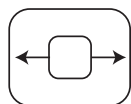
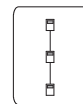
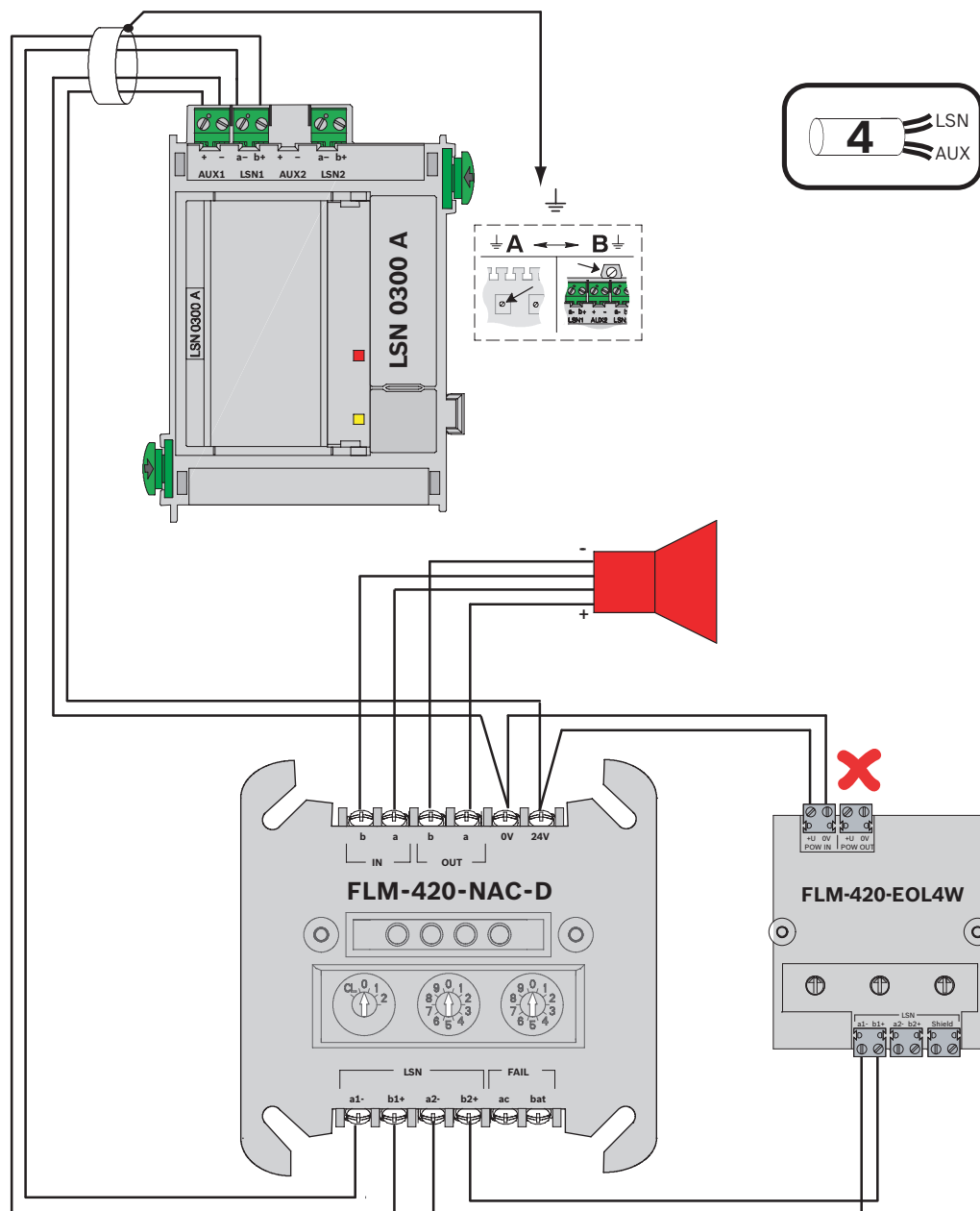


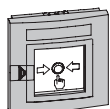
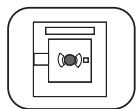
**FLM-420/
4-CON-D**



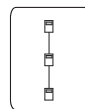
ELS VdS 2489



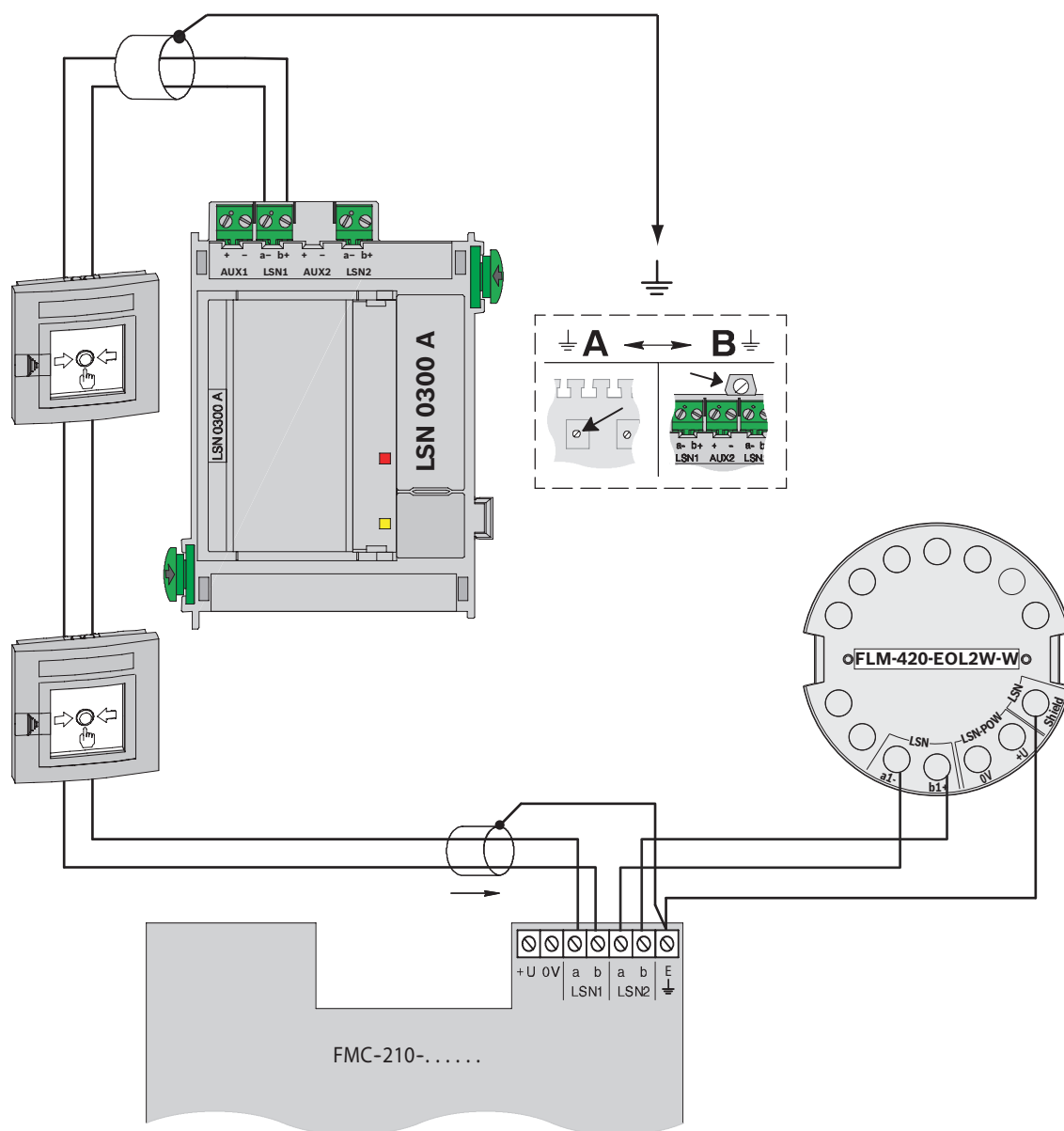
**FLM-420-NAC-D/S****ELS VdS 2489**

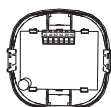


FMC-210-...

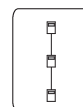


ELS VdS 2489

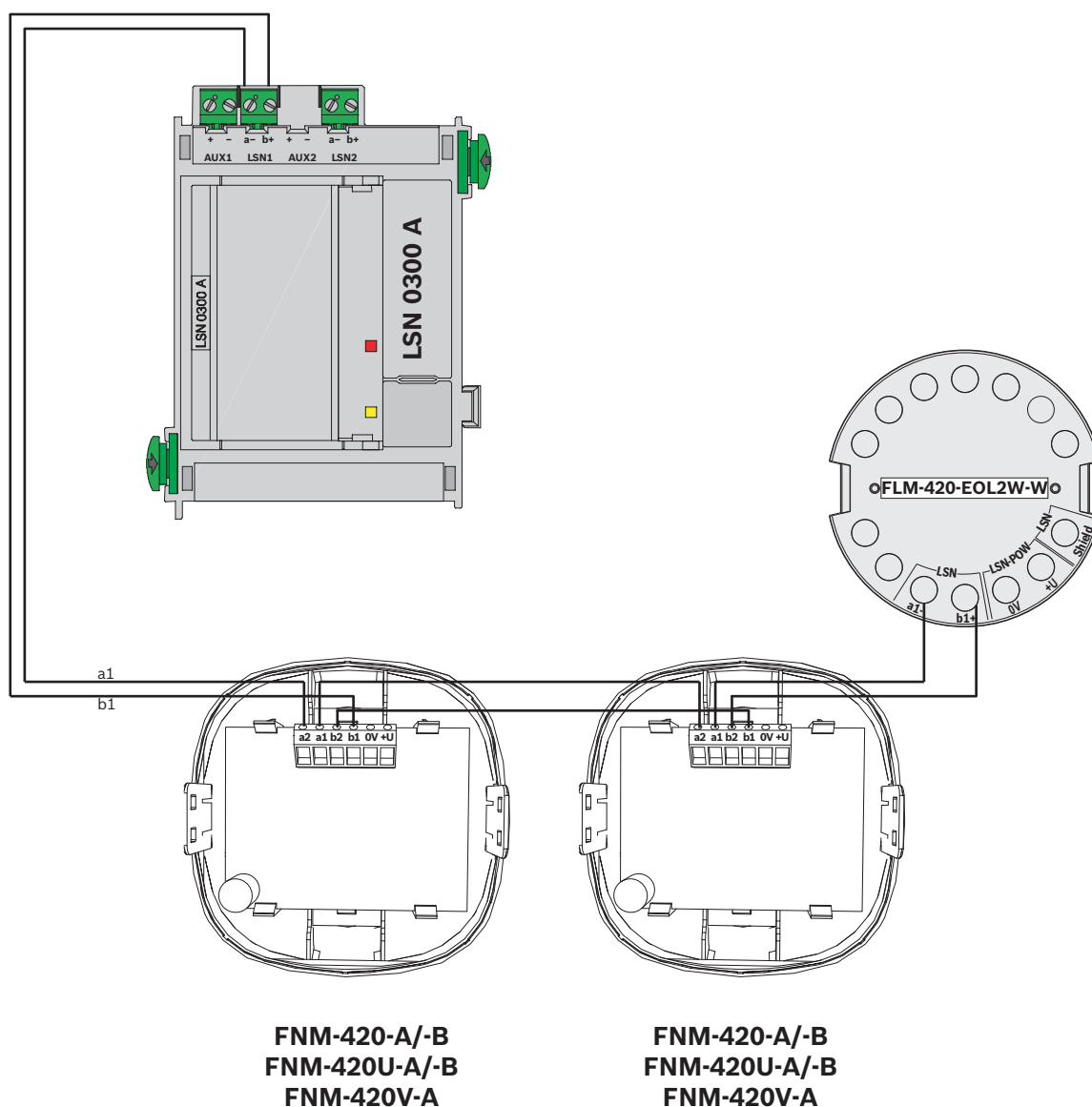




FNM-420-A /-B
FNM-420U-A /-B
FNM-420V-A

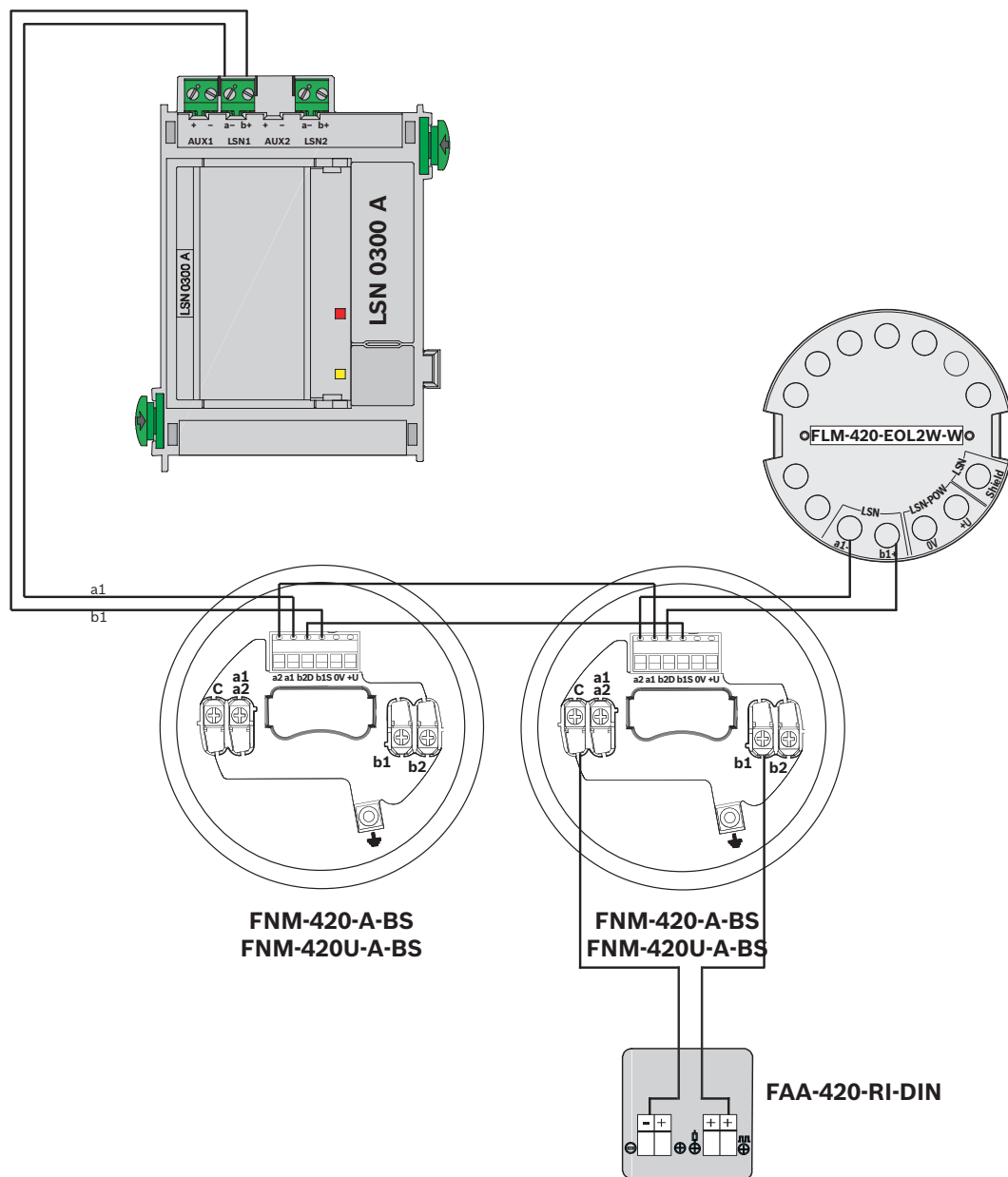


ELS VdS 2489





ELS VdS 2489

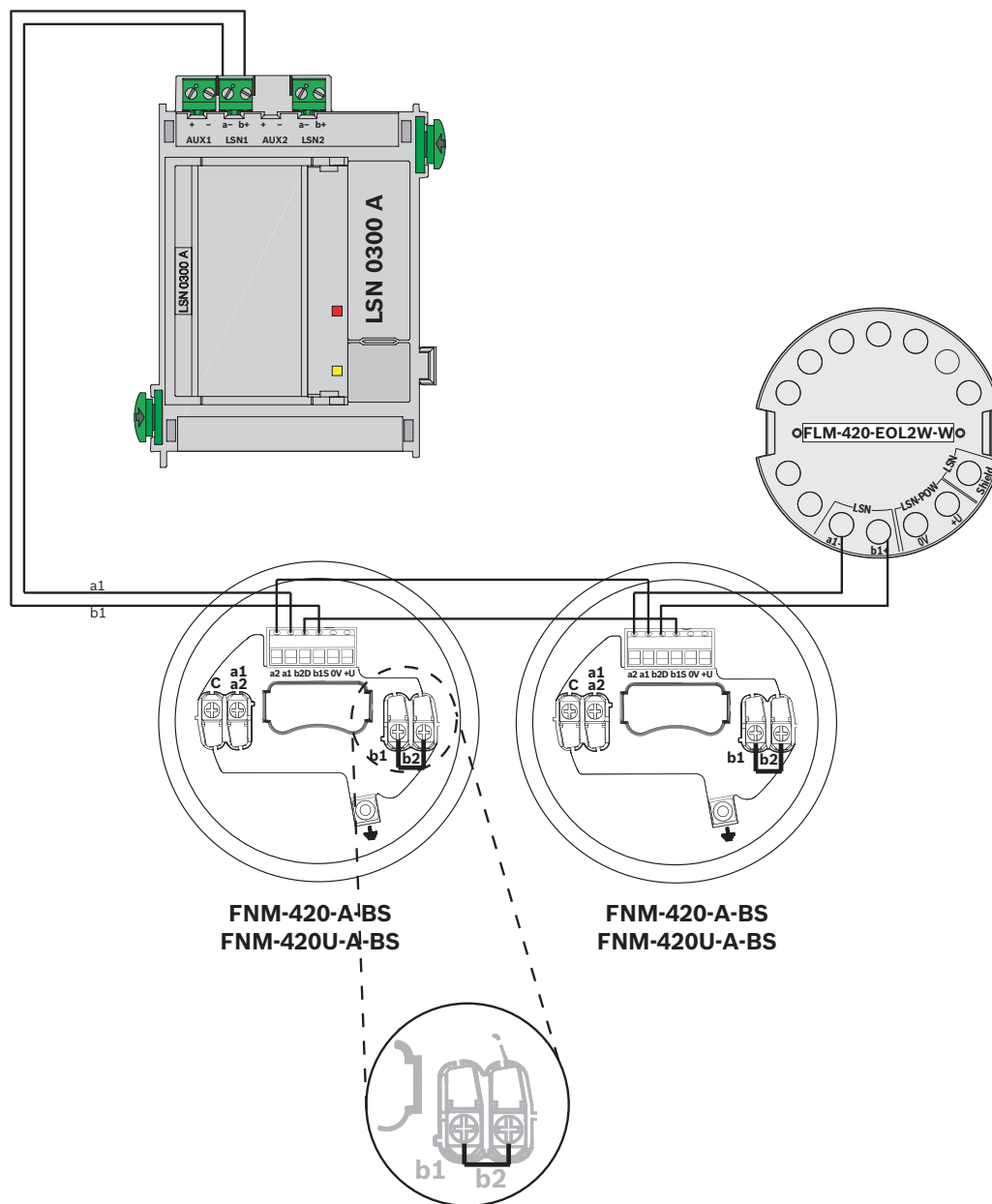




FNM-420-A-BS
FNM-420U-A-BS



ELS VdS 2489

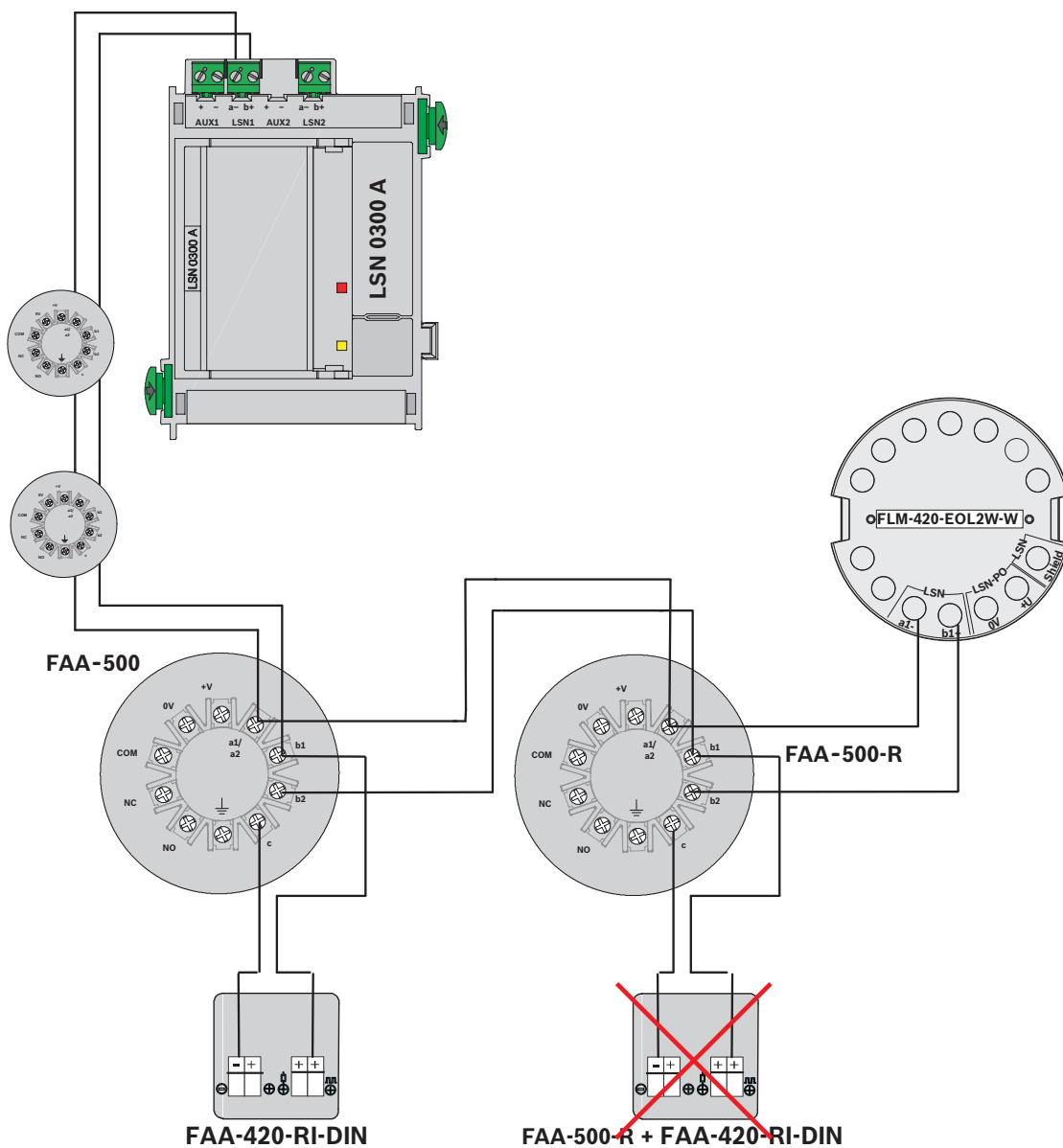




FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P

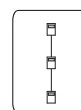


ELS VdS 2489

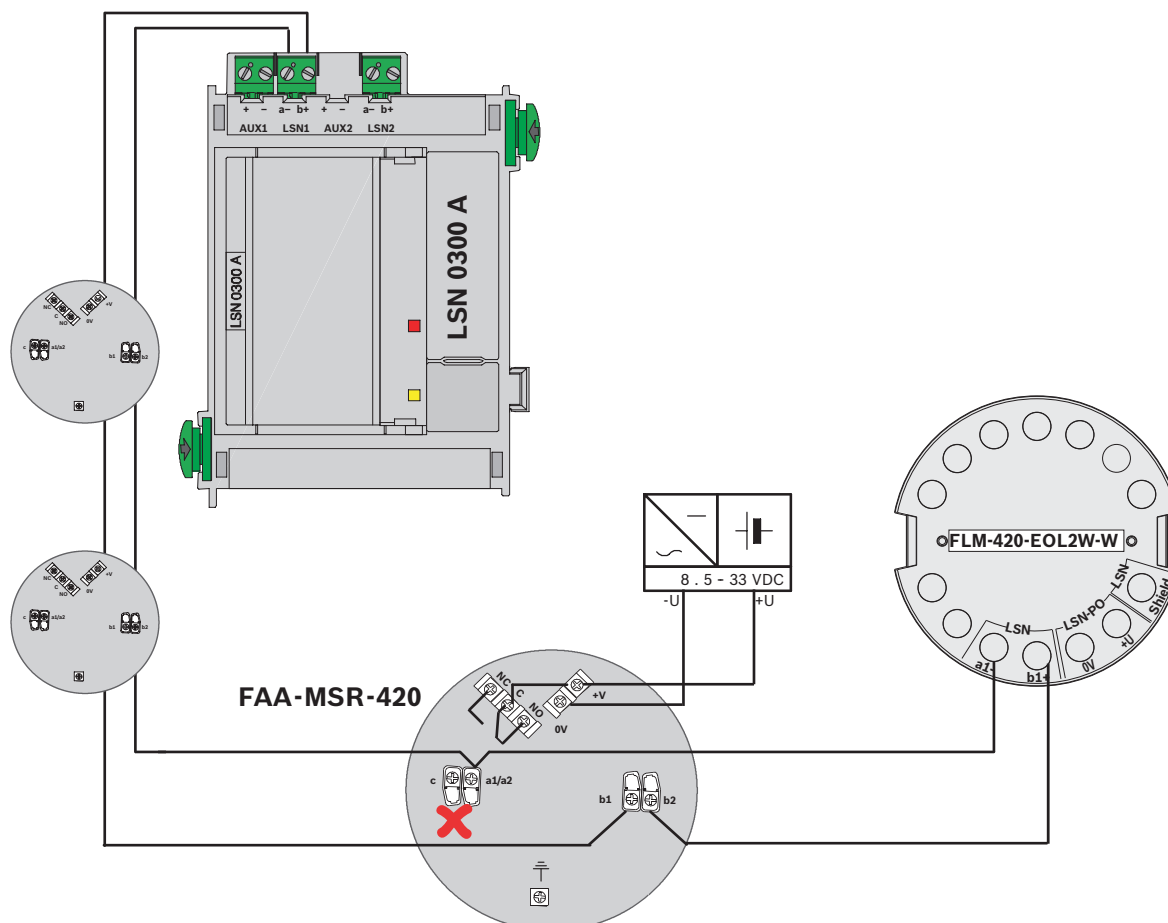




FAP-425-O/-O-R
FAP-425-OT/-OT-R
FAP-425-T-R
FAP-425-DO-R/DOT-R/-DOTC-R

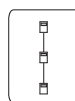


ELS VdS 2489

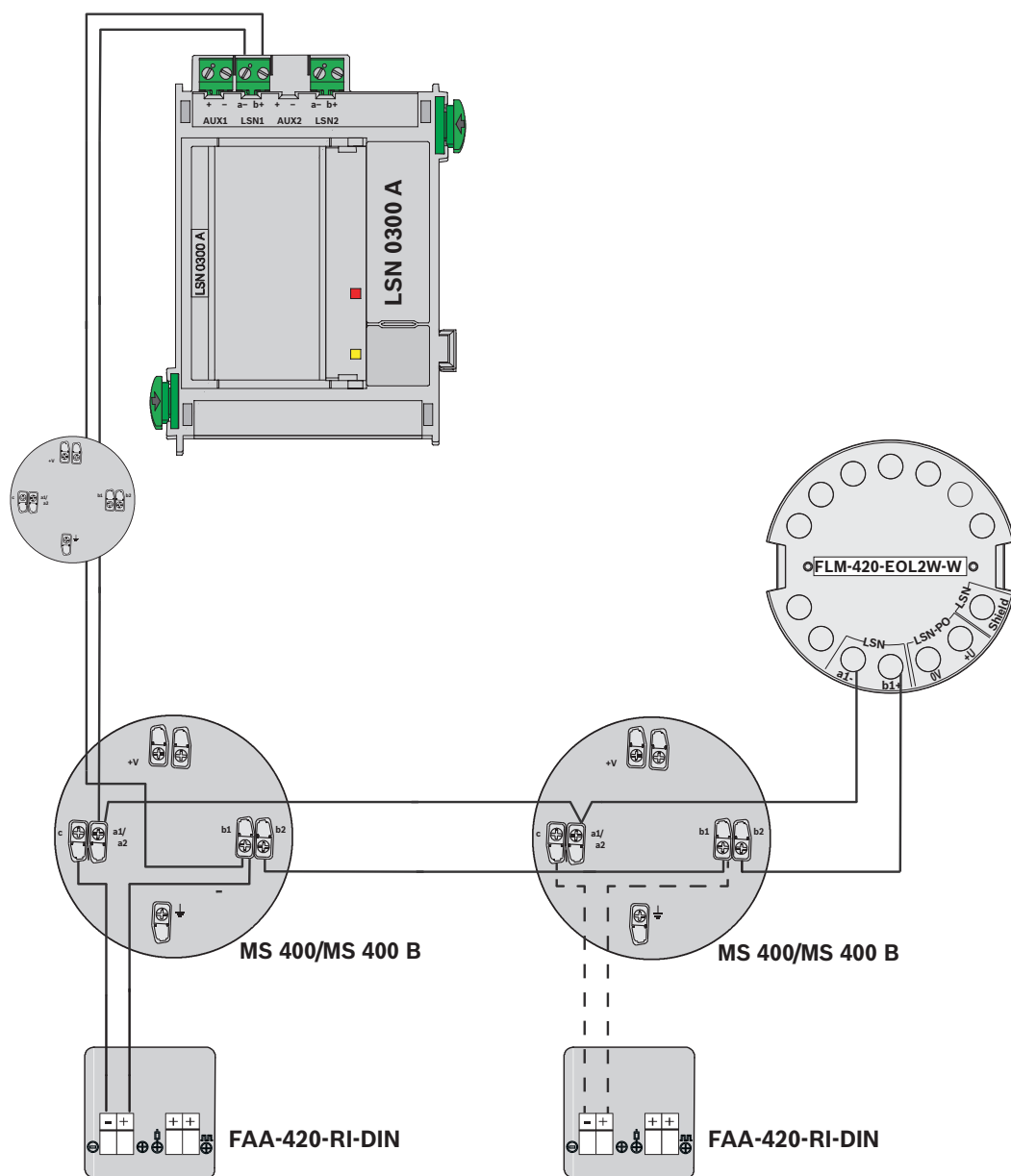


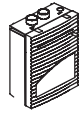


FAP-425-O/-O-R/-OT/-OT-R/-T-R
 FAP-425-DO-R/-DOT-R/-DOTC-R
 FCH-320-T320/-T320-R470/-T320-FSA
 FCP-O320/-O320-R470
 FCP-OC320/-OC320-R470
 FCP-OT320/-OT320-R470

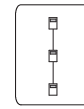


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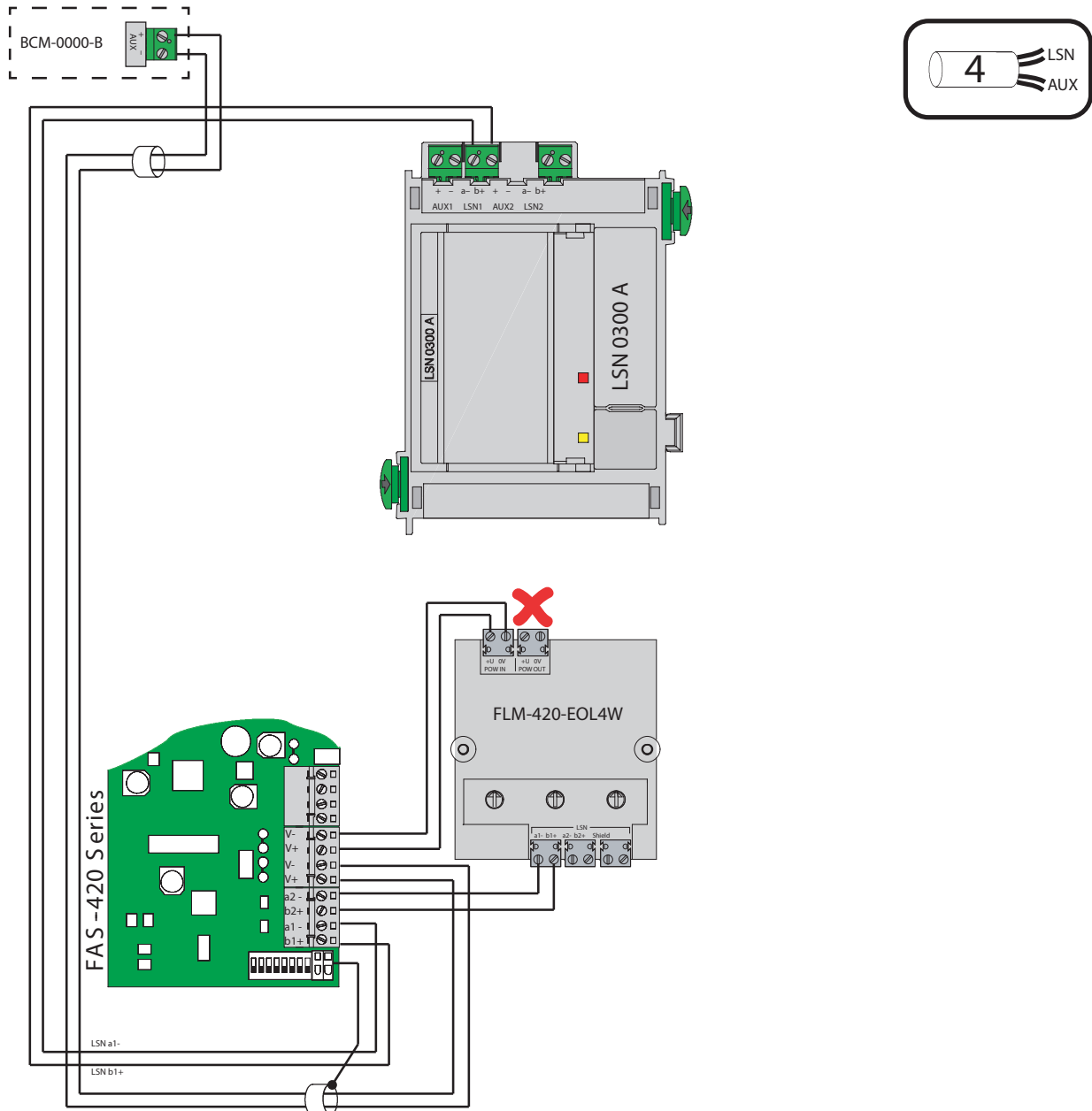


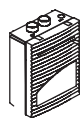
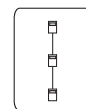
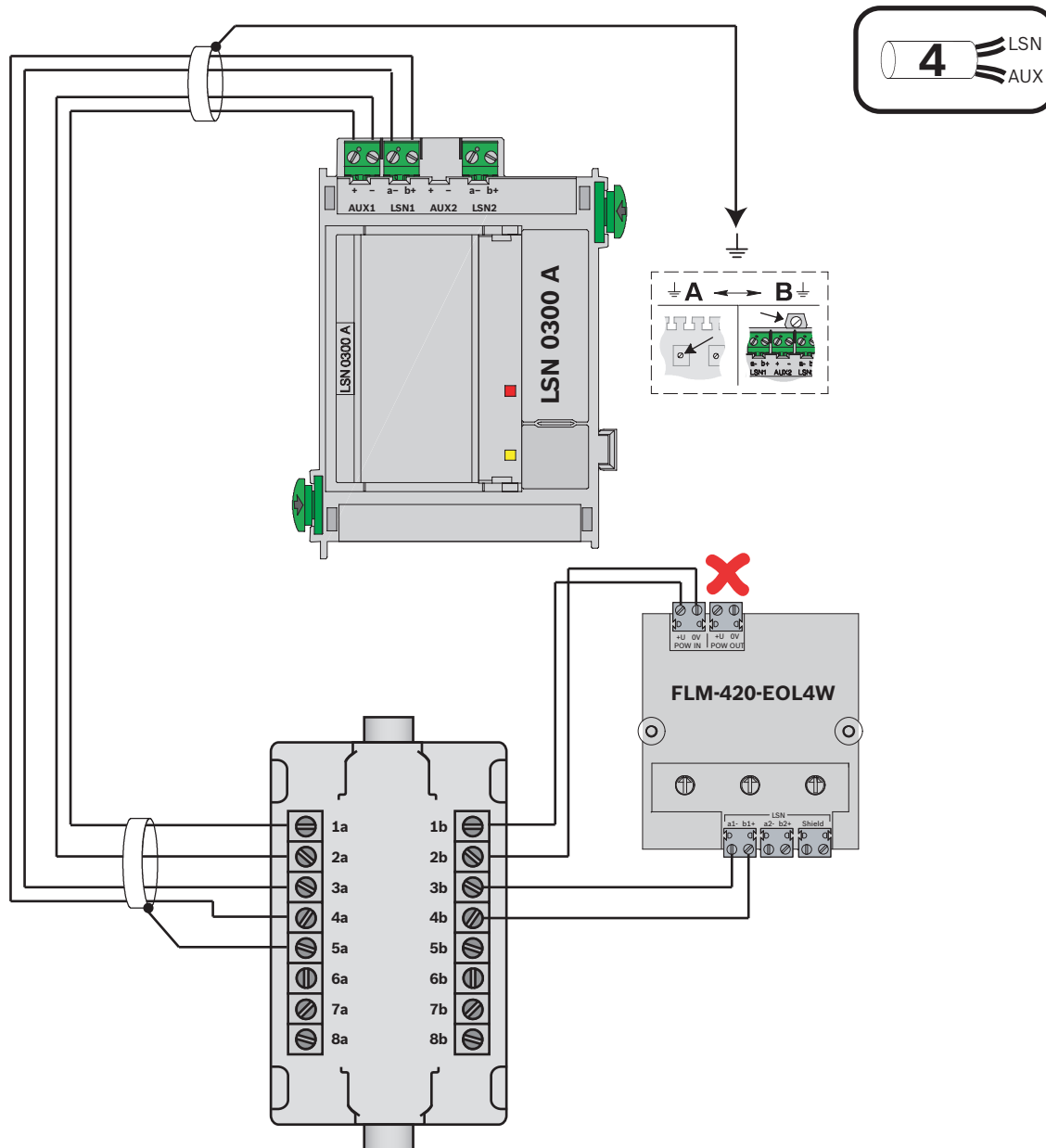


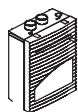
FAS-420 Series



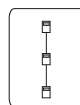
ELS VdS 2489



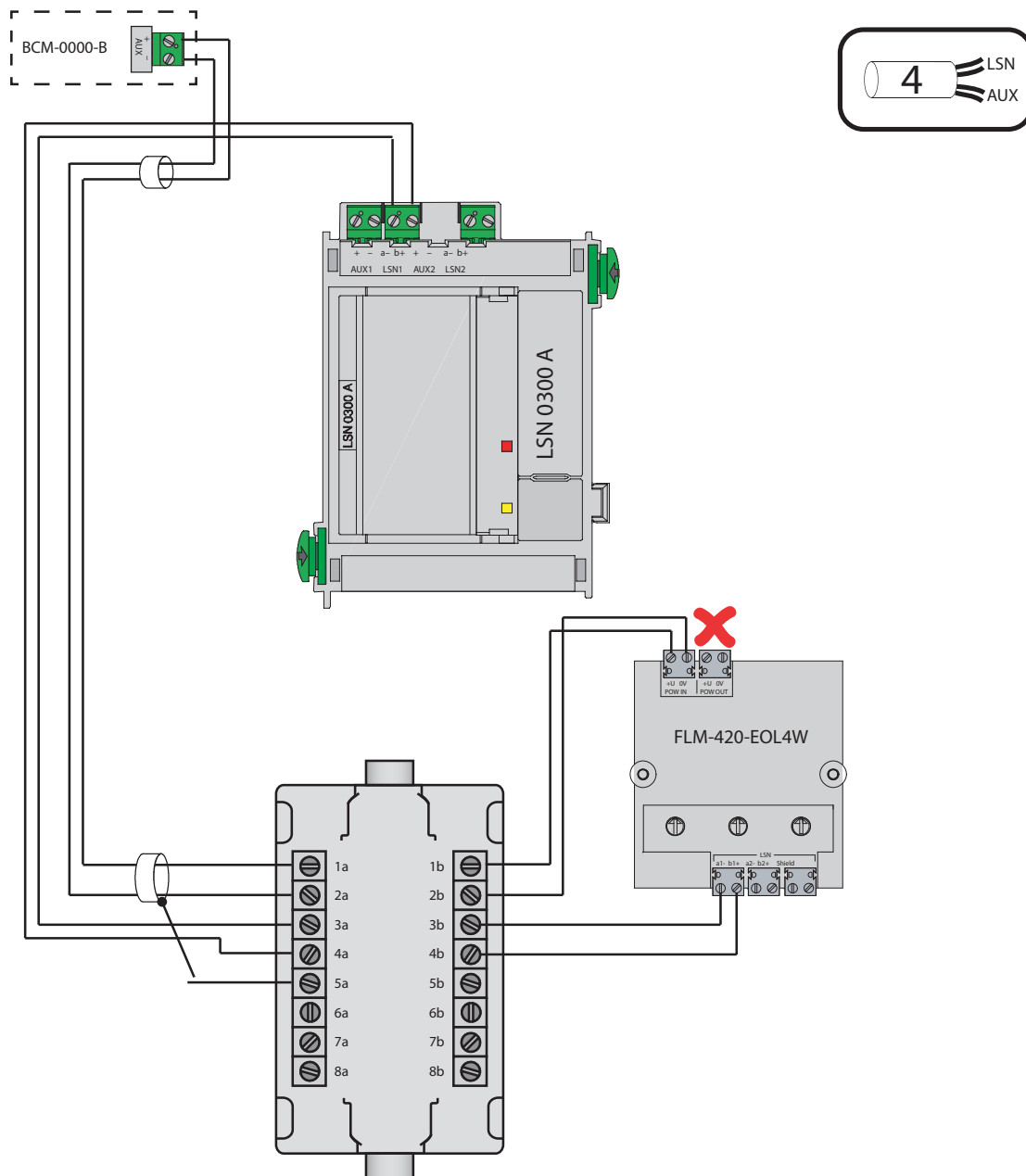
**FAS-420-TM Series****ELS VdS 2489**

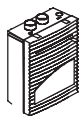
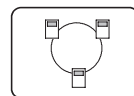
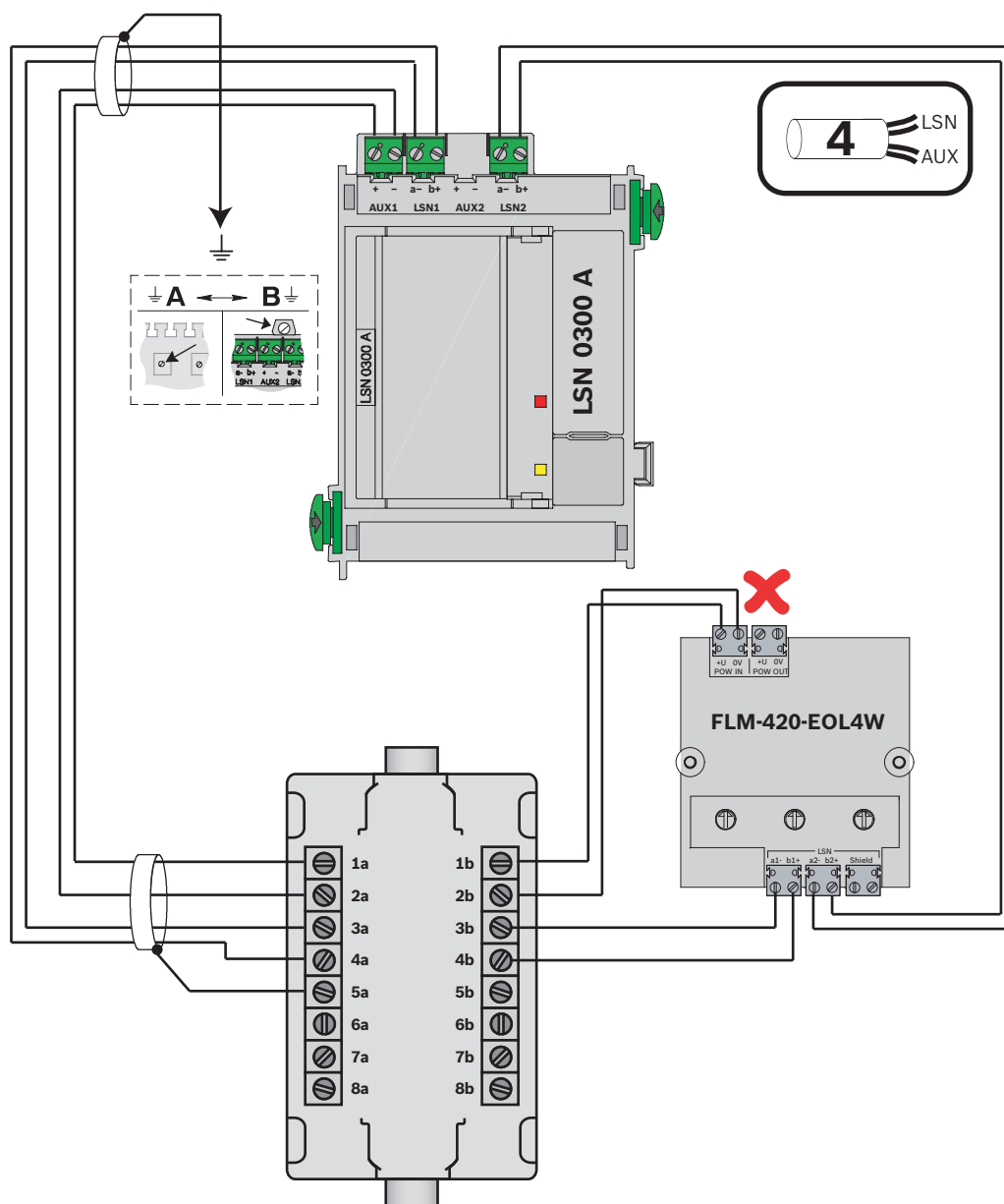


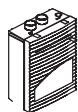
FAS-420-TM Series



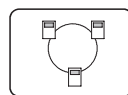
ELS VdS 2489



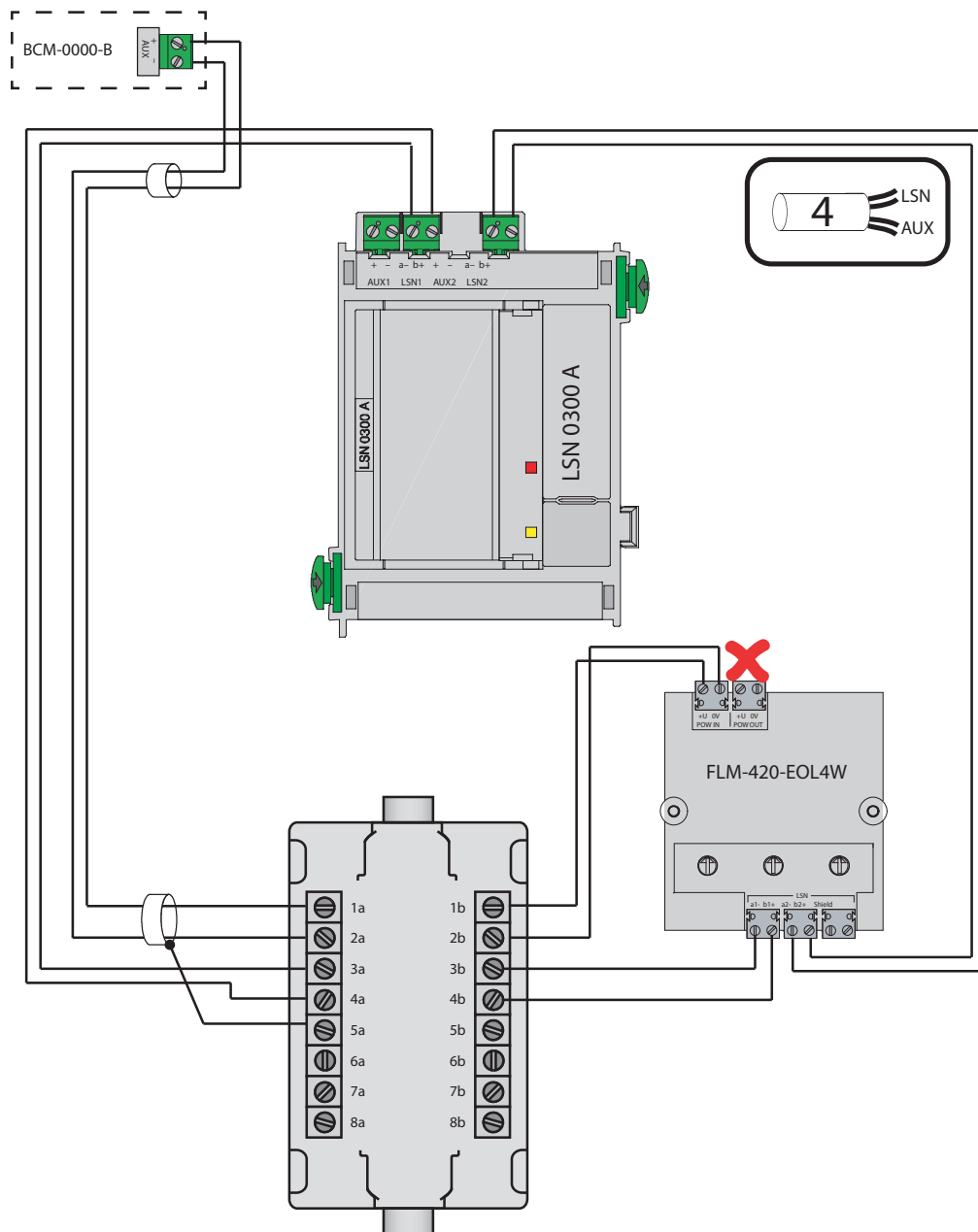
**FAS-420-TM Series****ELS VdS 2489**

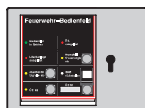


FAS-420-TM Series

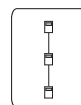


ELS VdS 2489

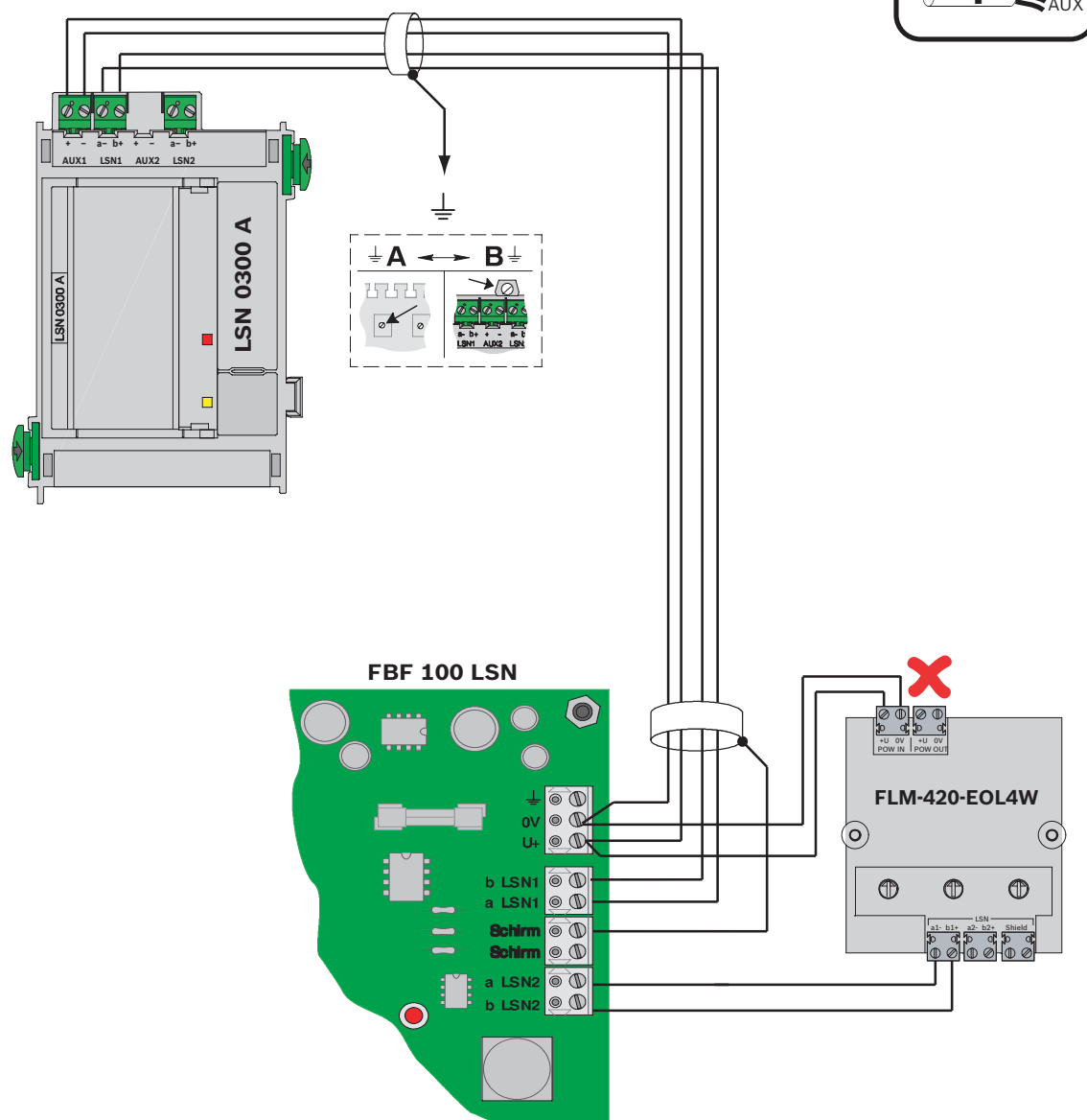


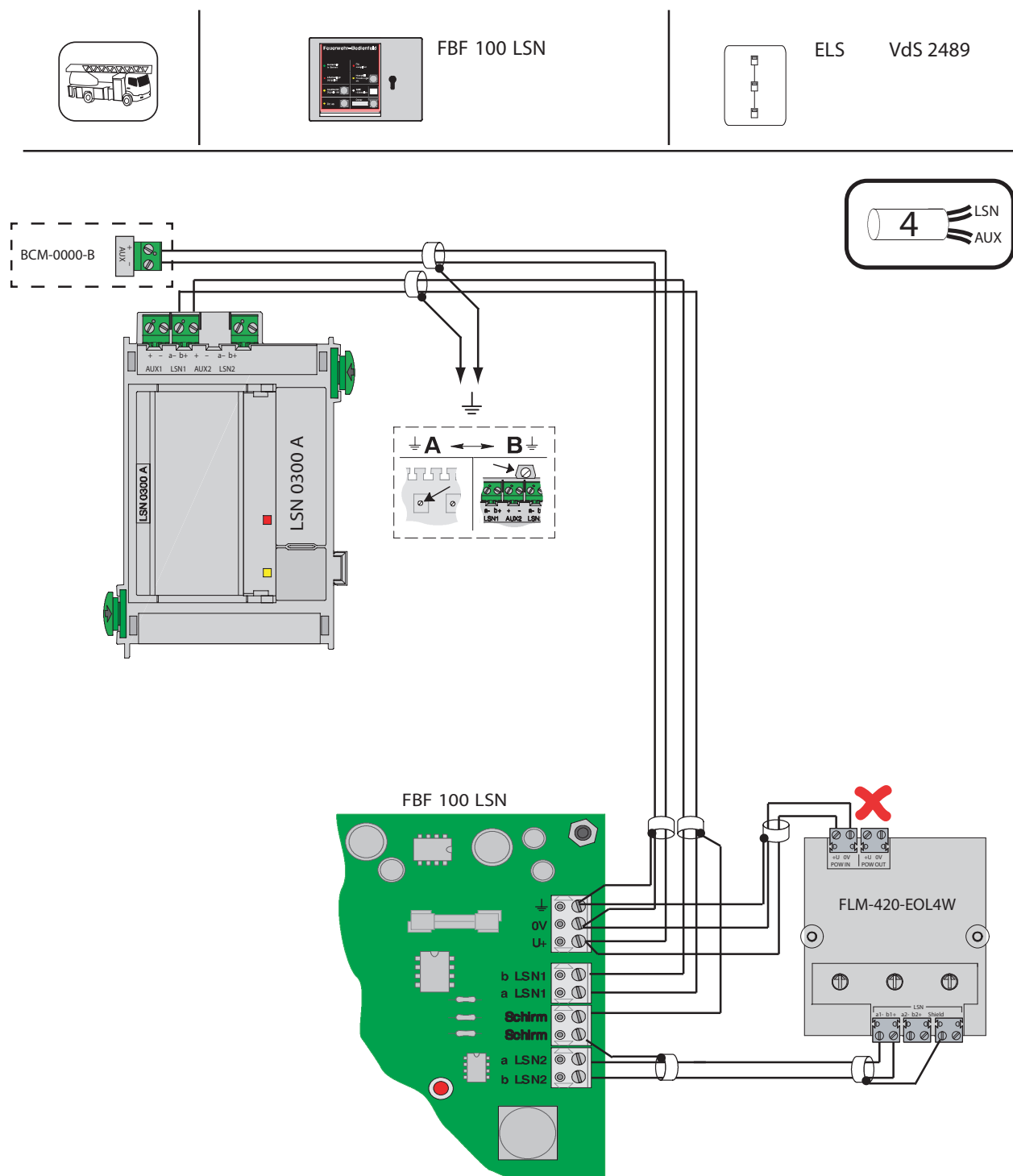


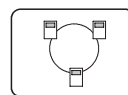
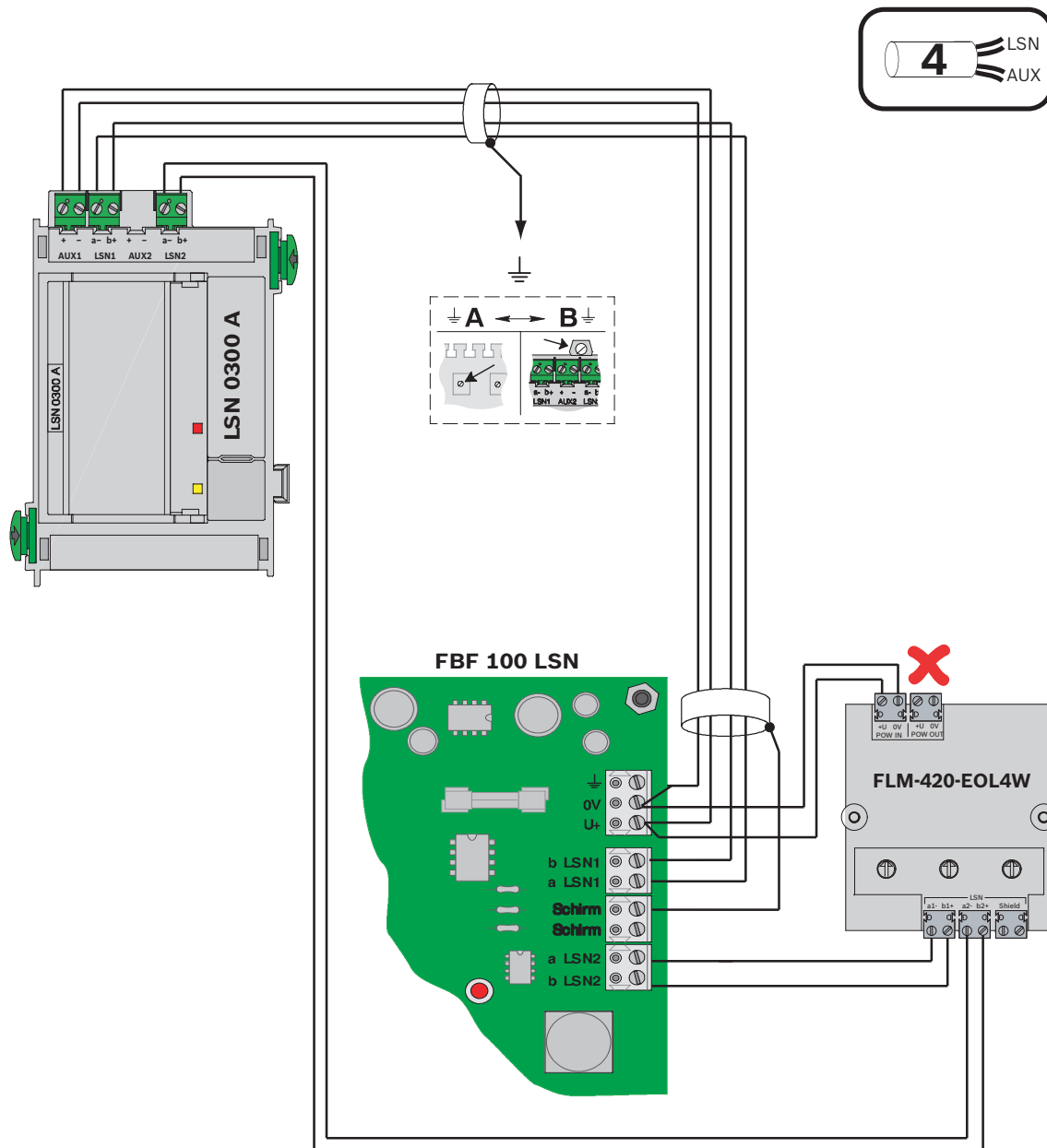
FBF 100 LSN

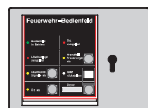


ELS VdS 2489

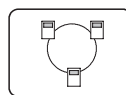




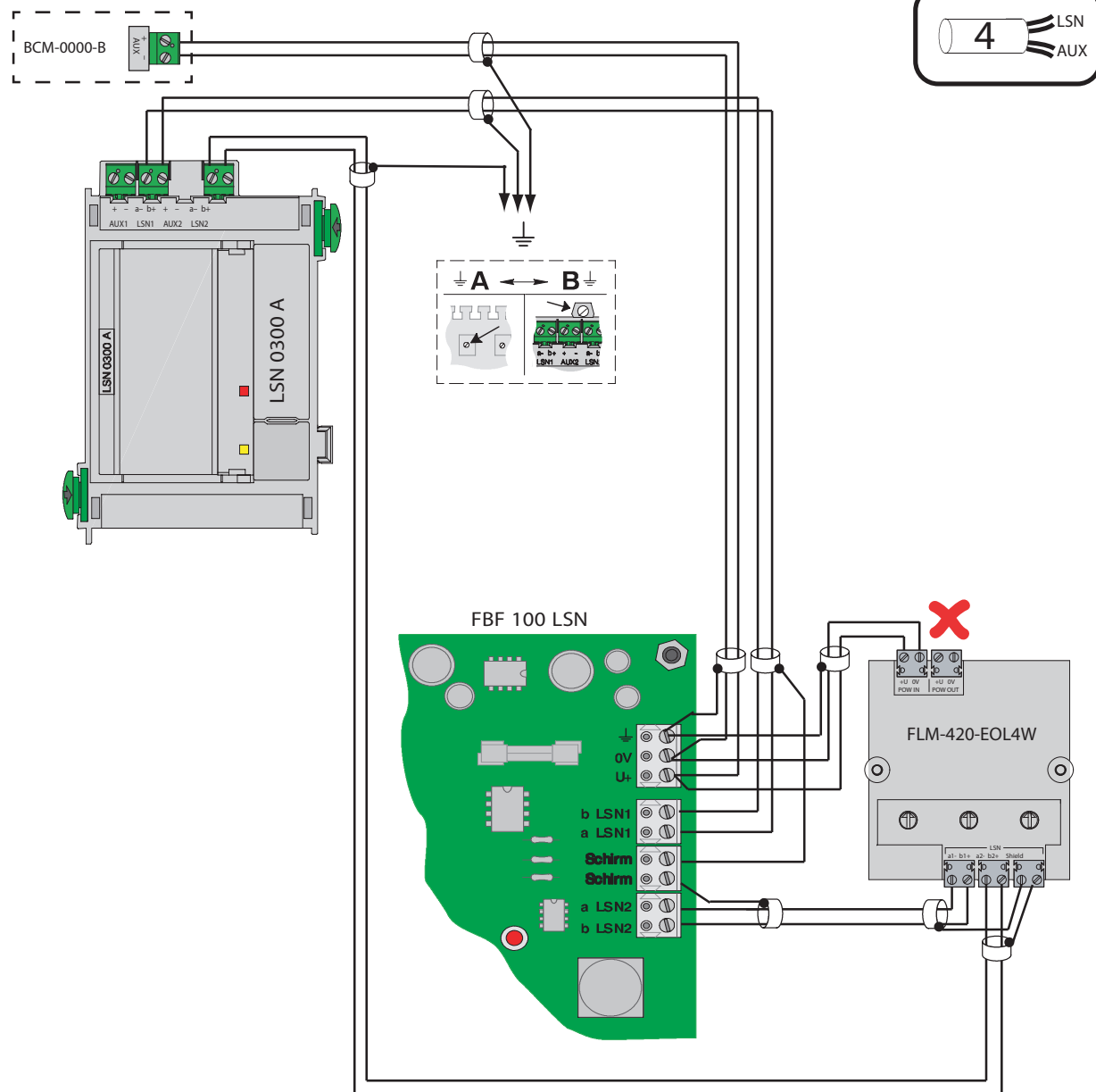
**FBF 100 LSN****ELS VdS 2489**

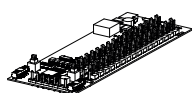
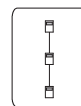
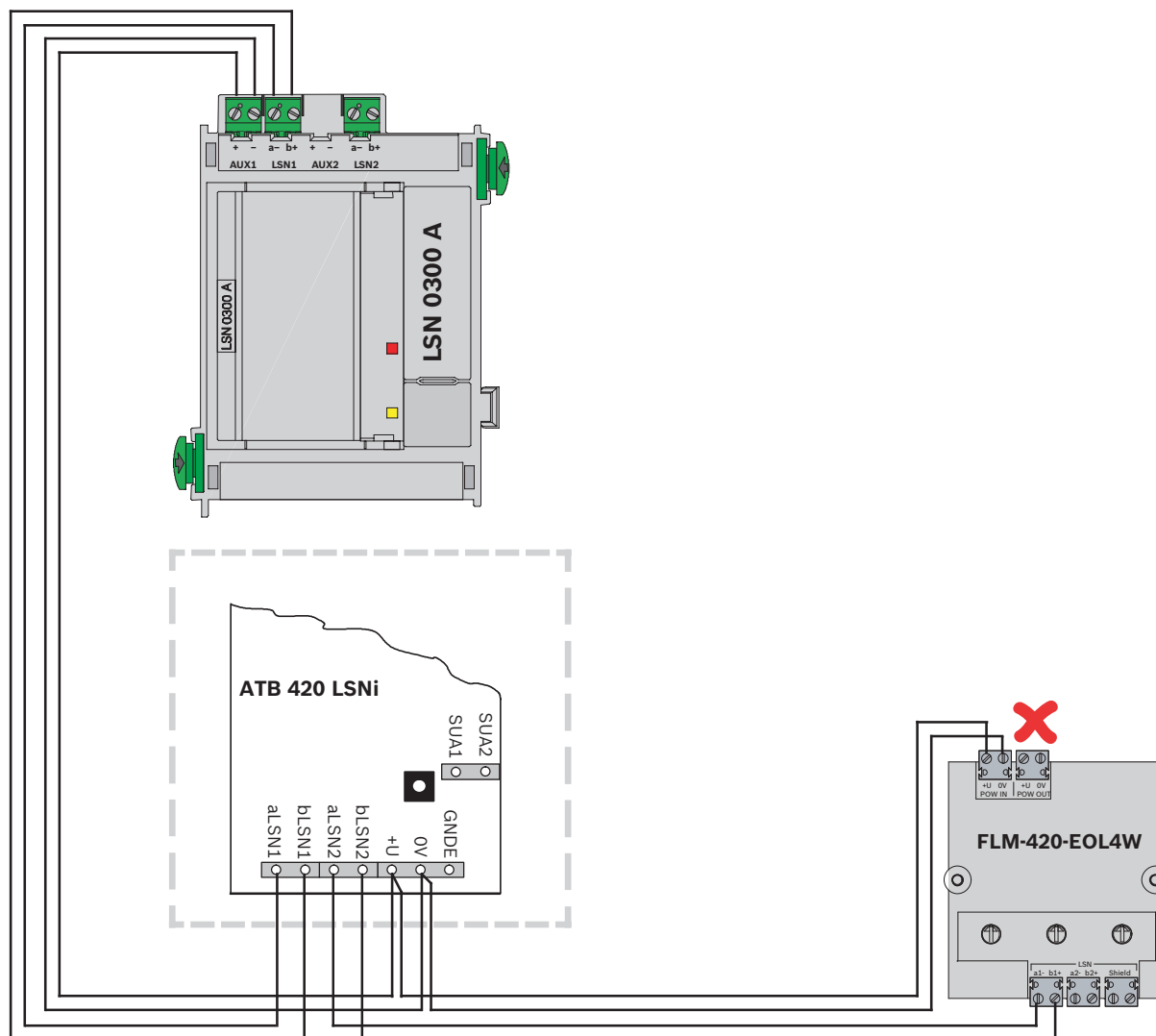
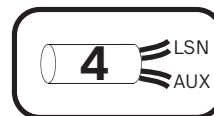


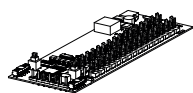
FBF 100 LSN



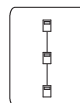
ELS VdS 2489



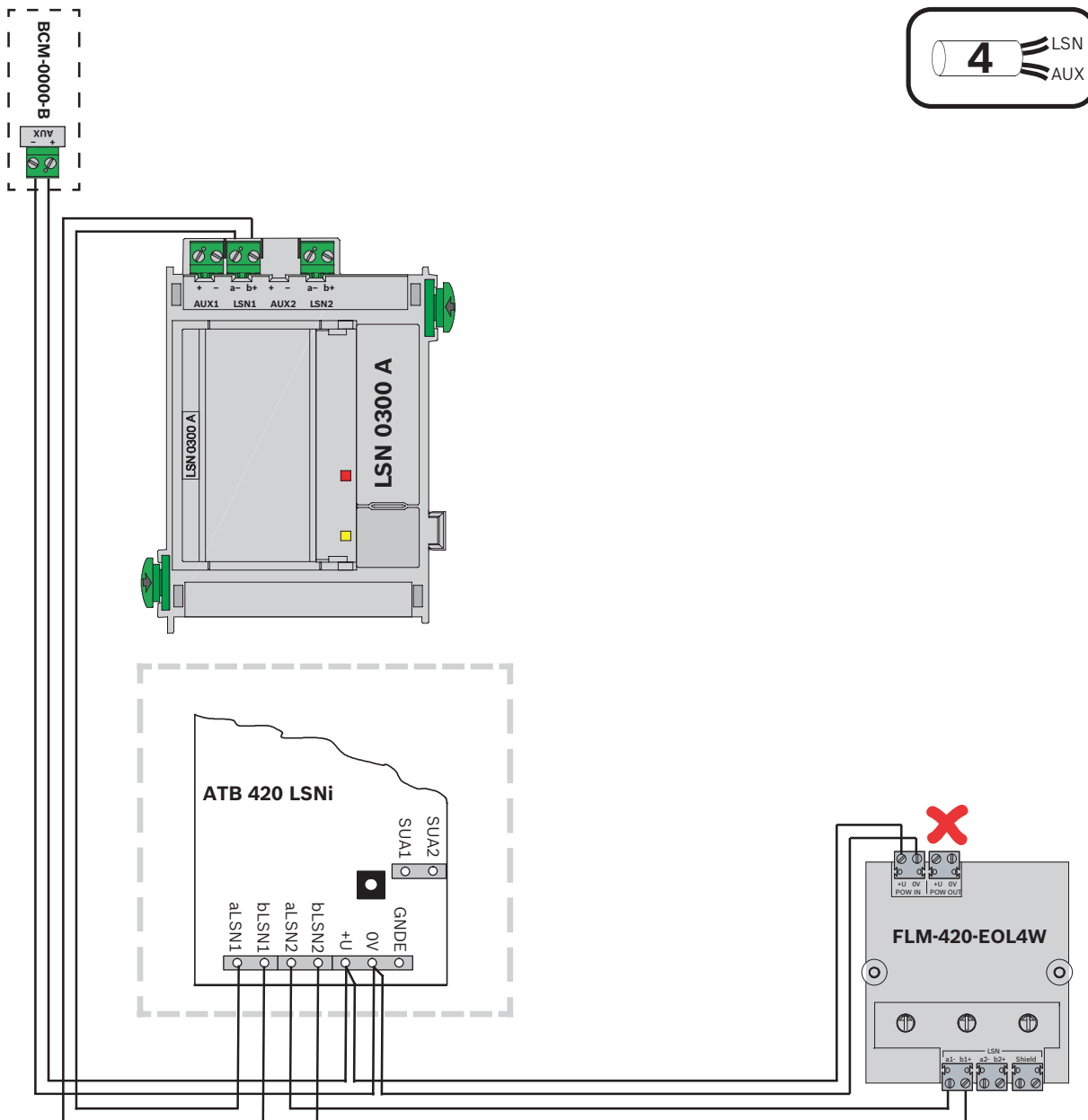
**ATB 420 LSNi****ELS VdS 2489**

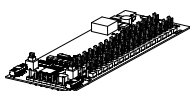
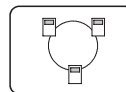
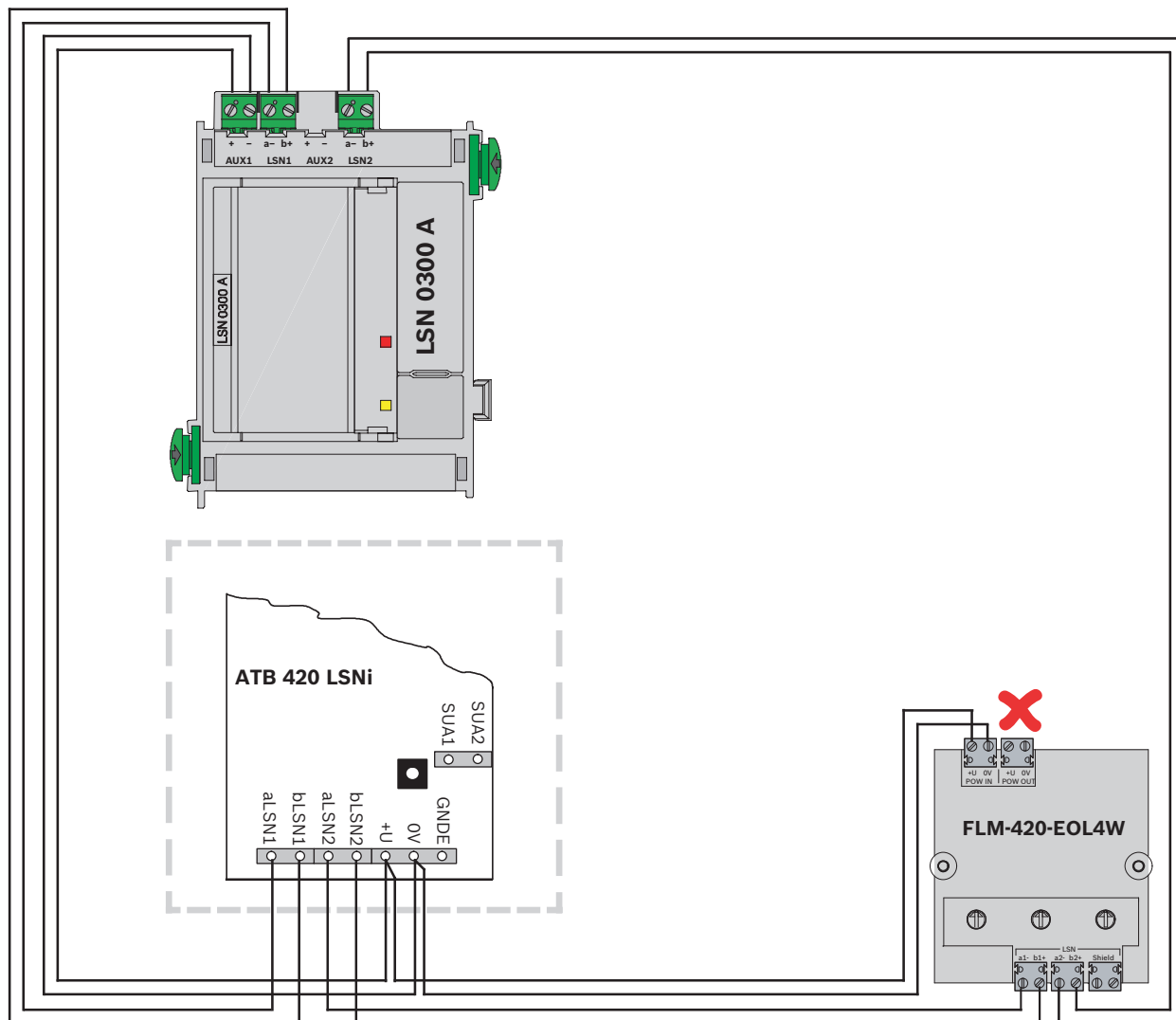
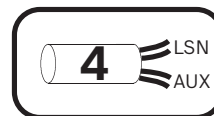


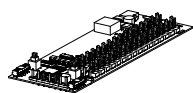
ATB 420 LSNi



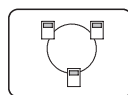
ELS VdS 2489



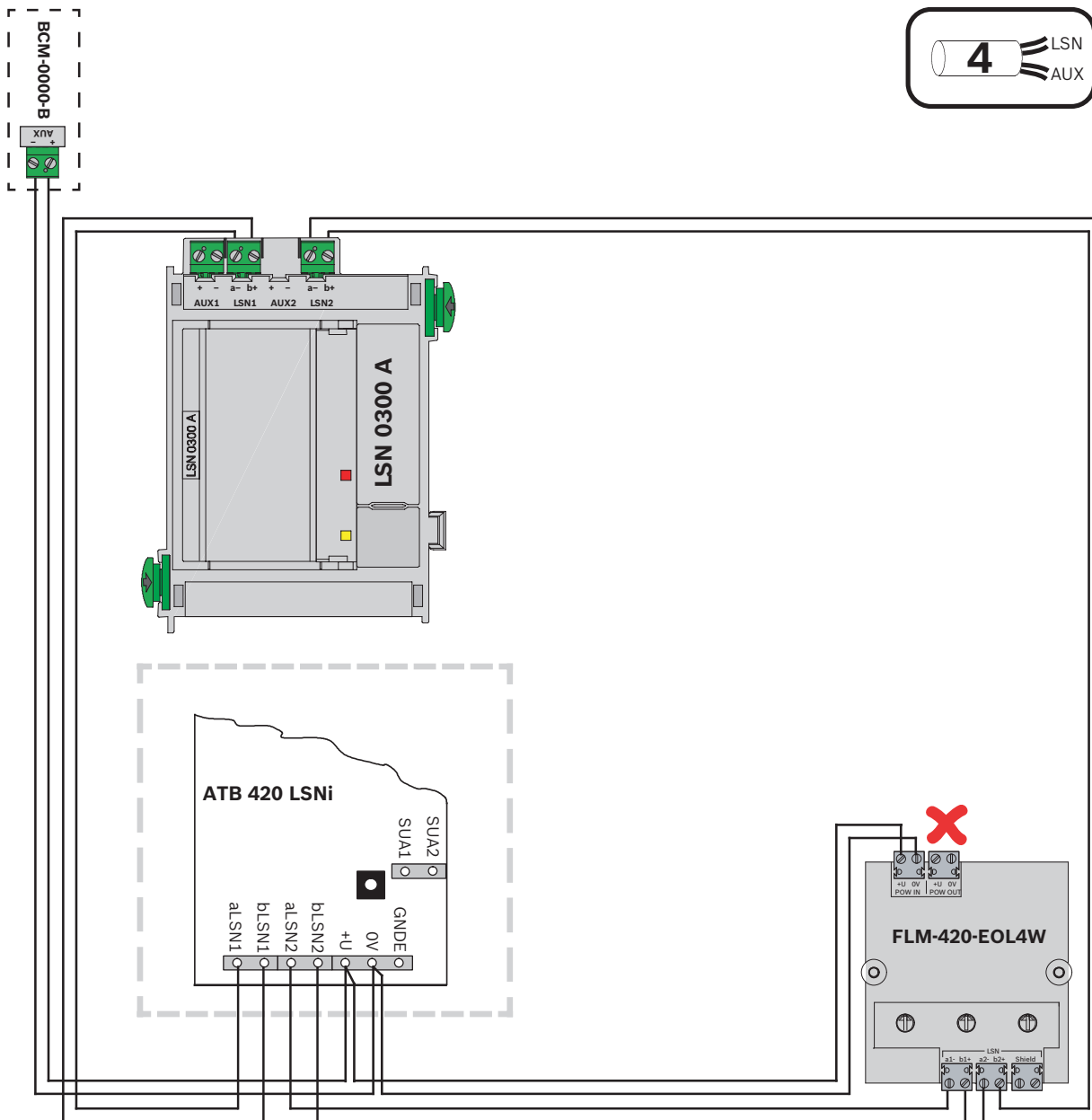
**ATB 420 LSNi****ELS VdS 2489**



ATB 420 LSNi

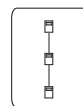


ELS VdS 2489

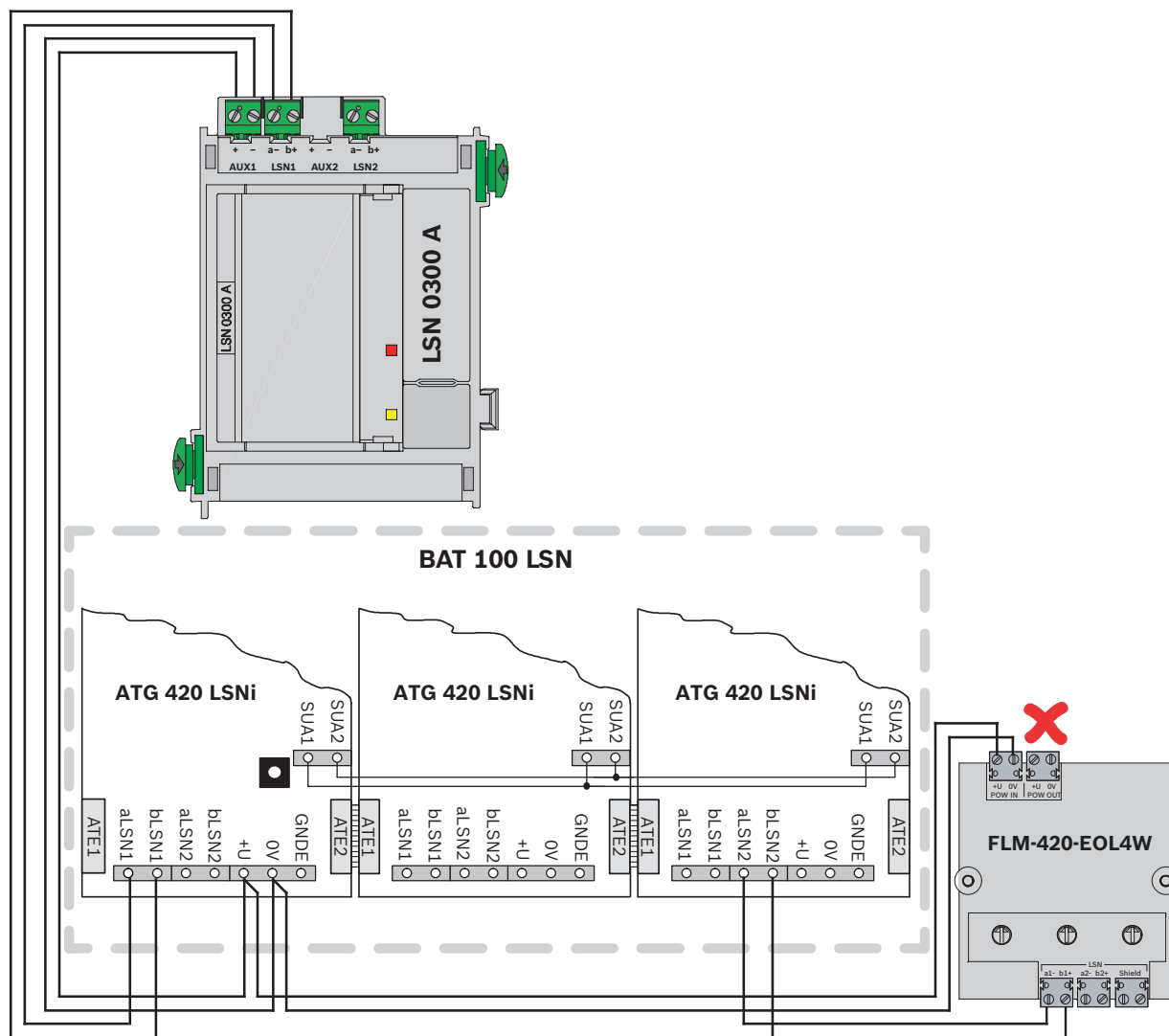




BAT 100 LSN
ATG 420 LSNi

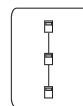


ELS VdS 2489

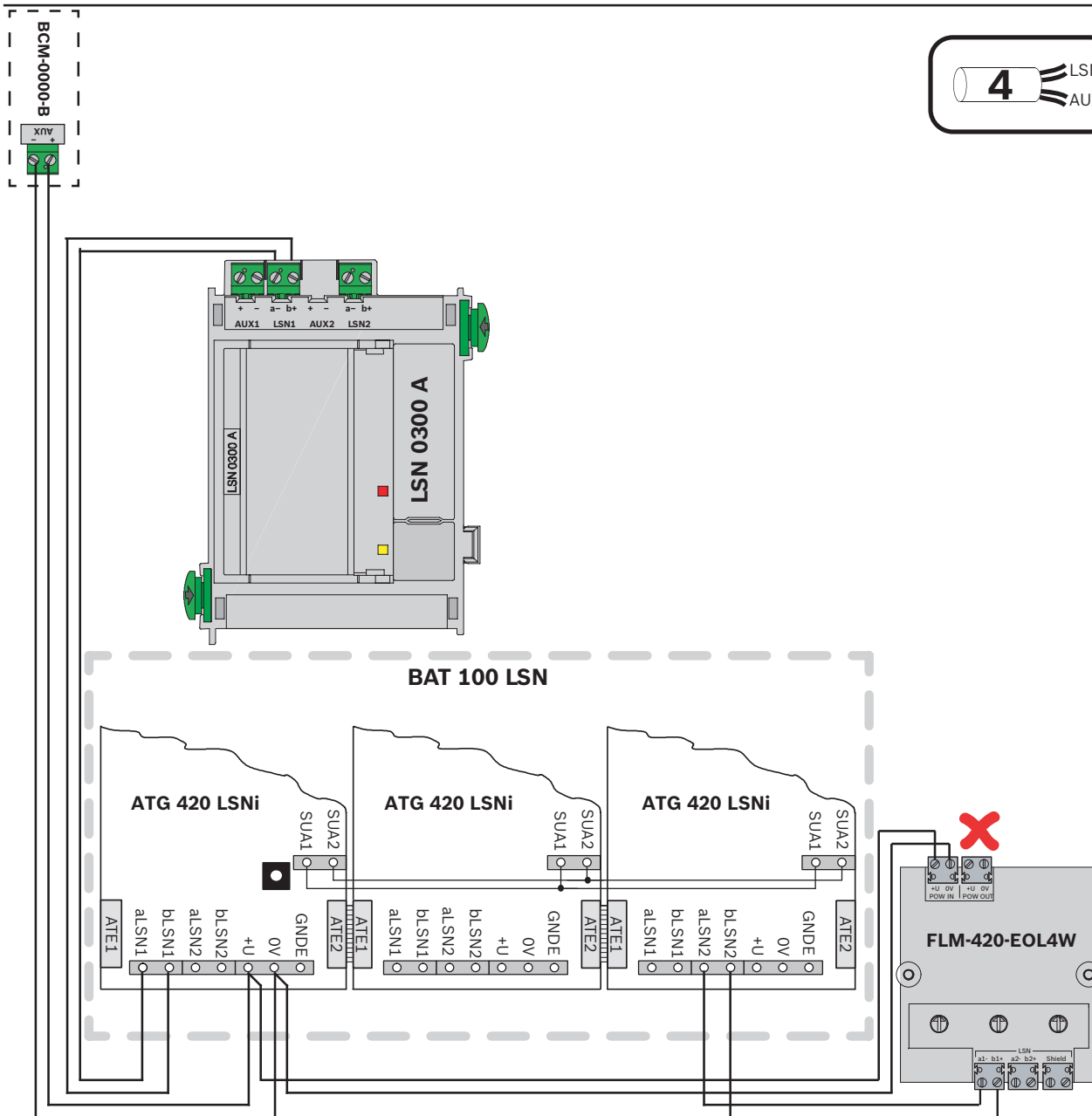
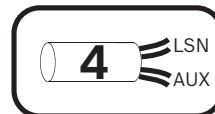




BAT 100 LSN
ATG 420 LSNi

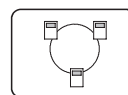


ELS VdS 2489

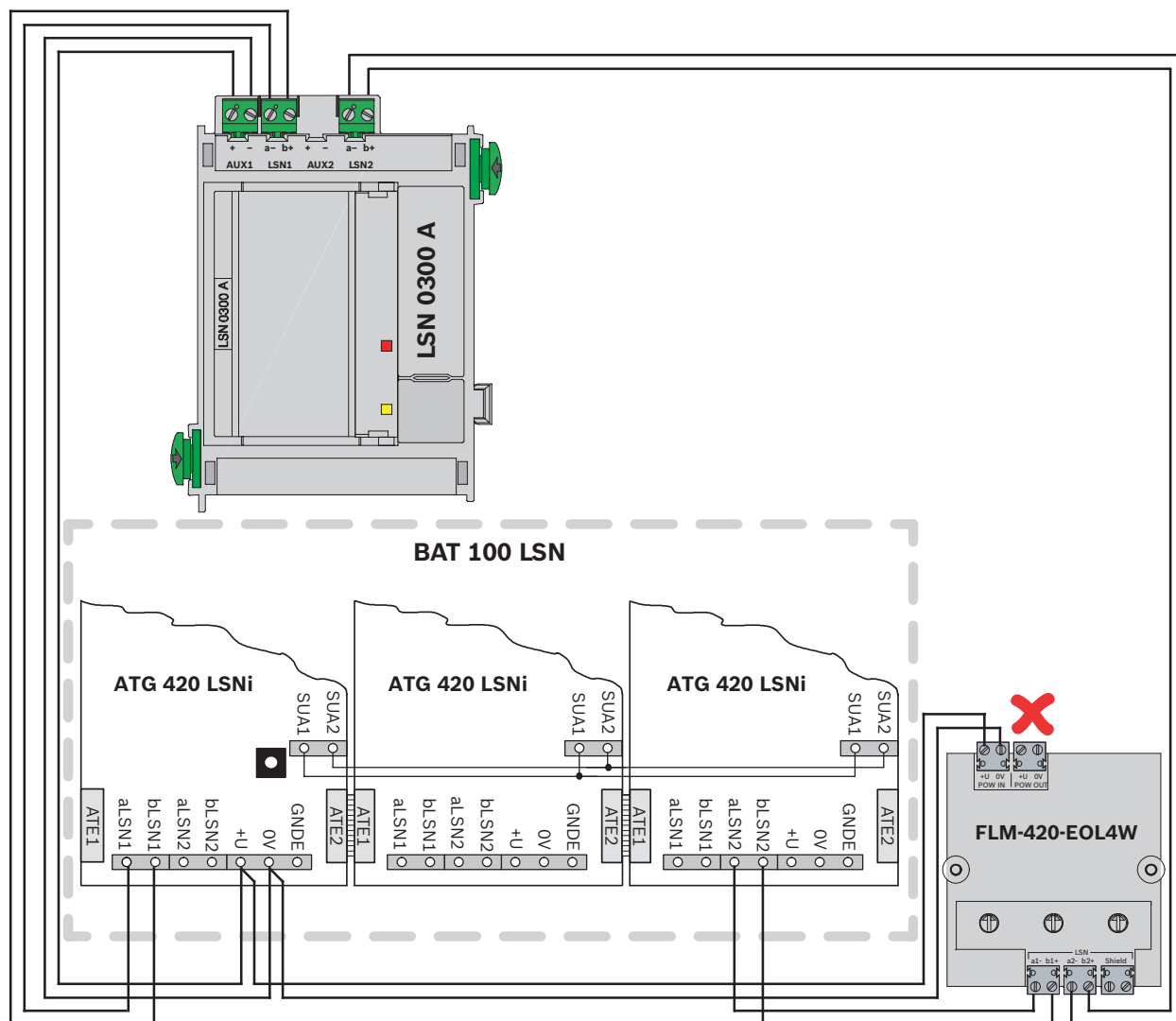




BAT 100 LSN
ATG 420 LSNi

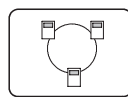


ELS VdS 2489

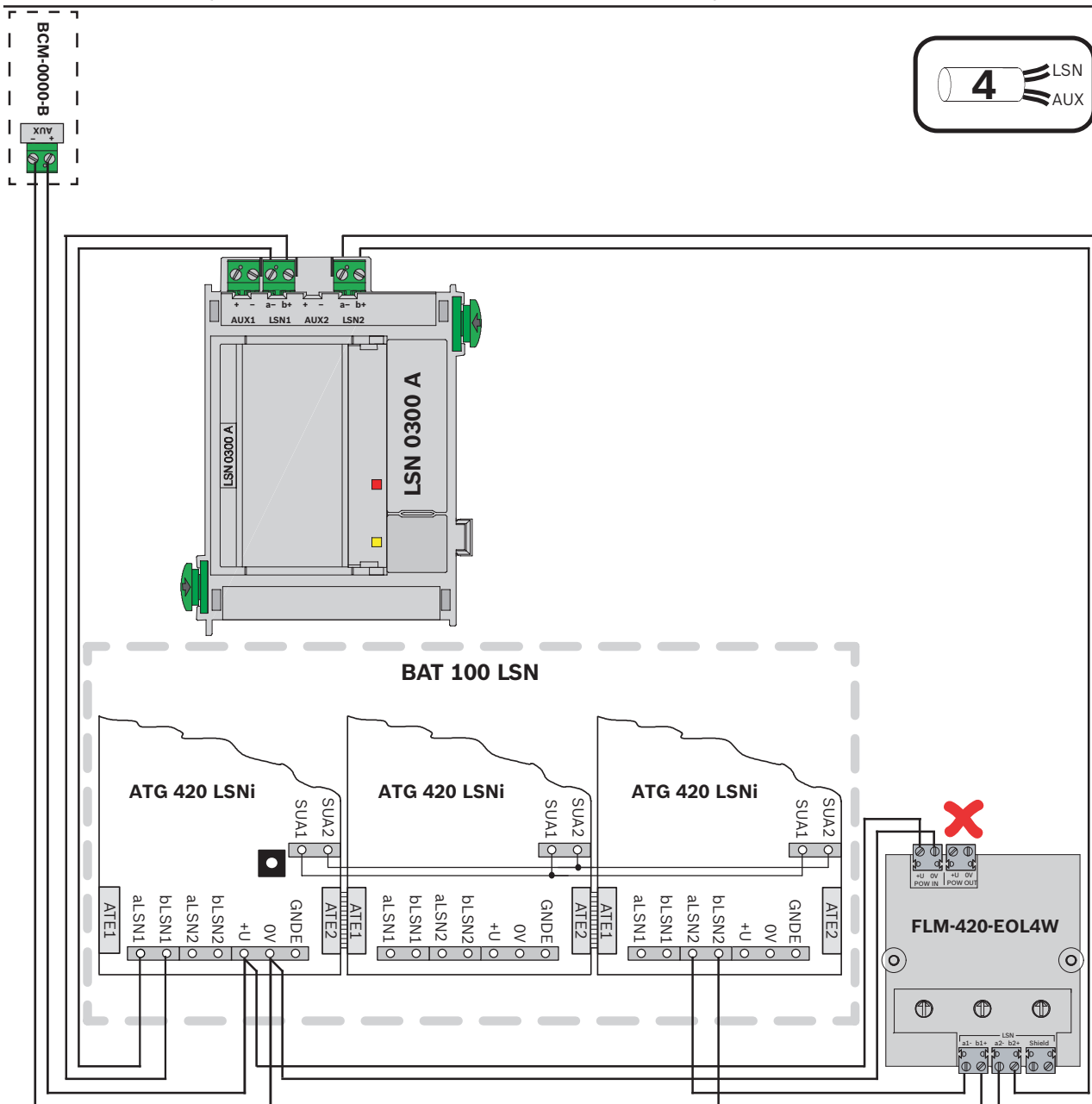
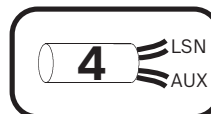


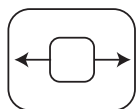
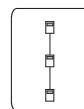
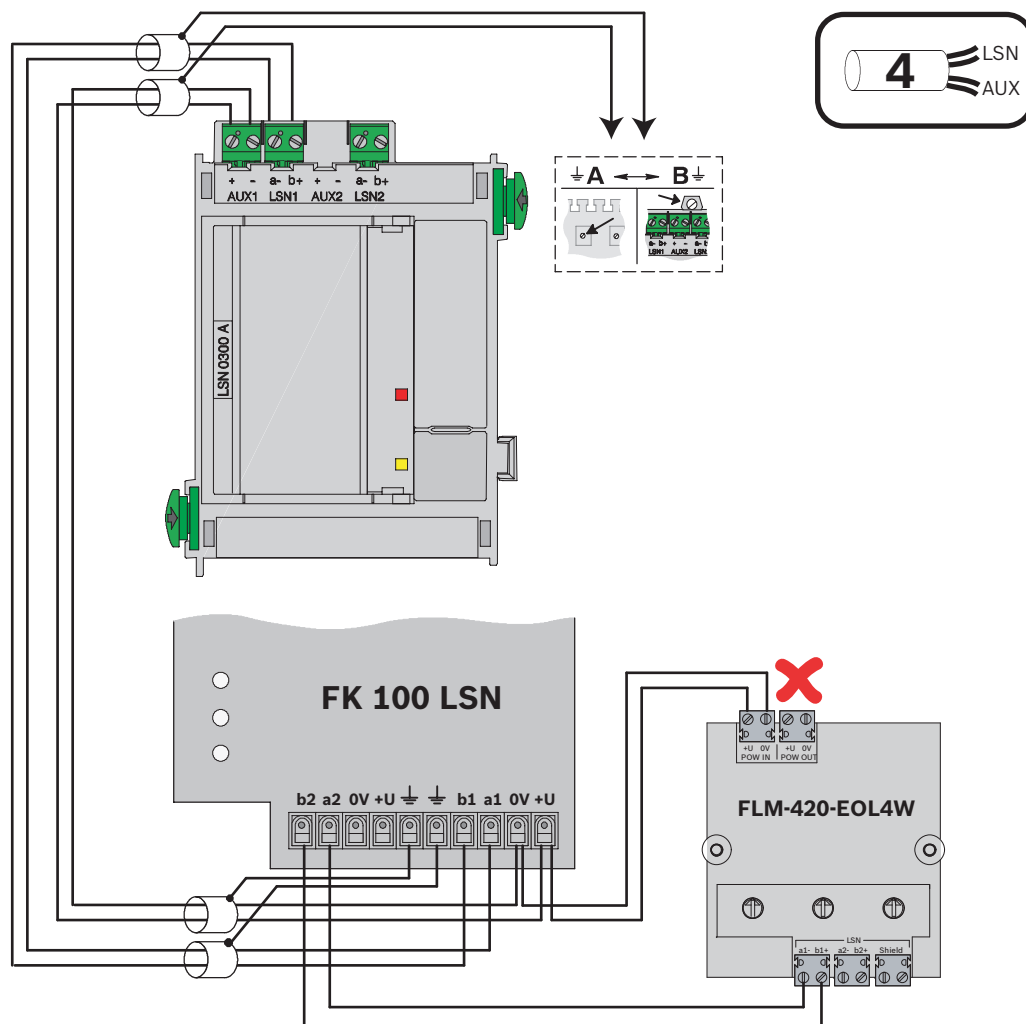
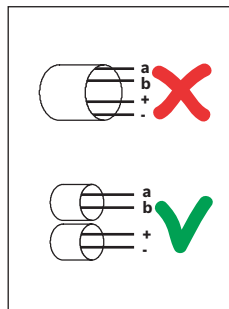


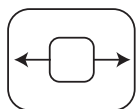
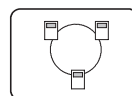
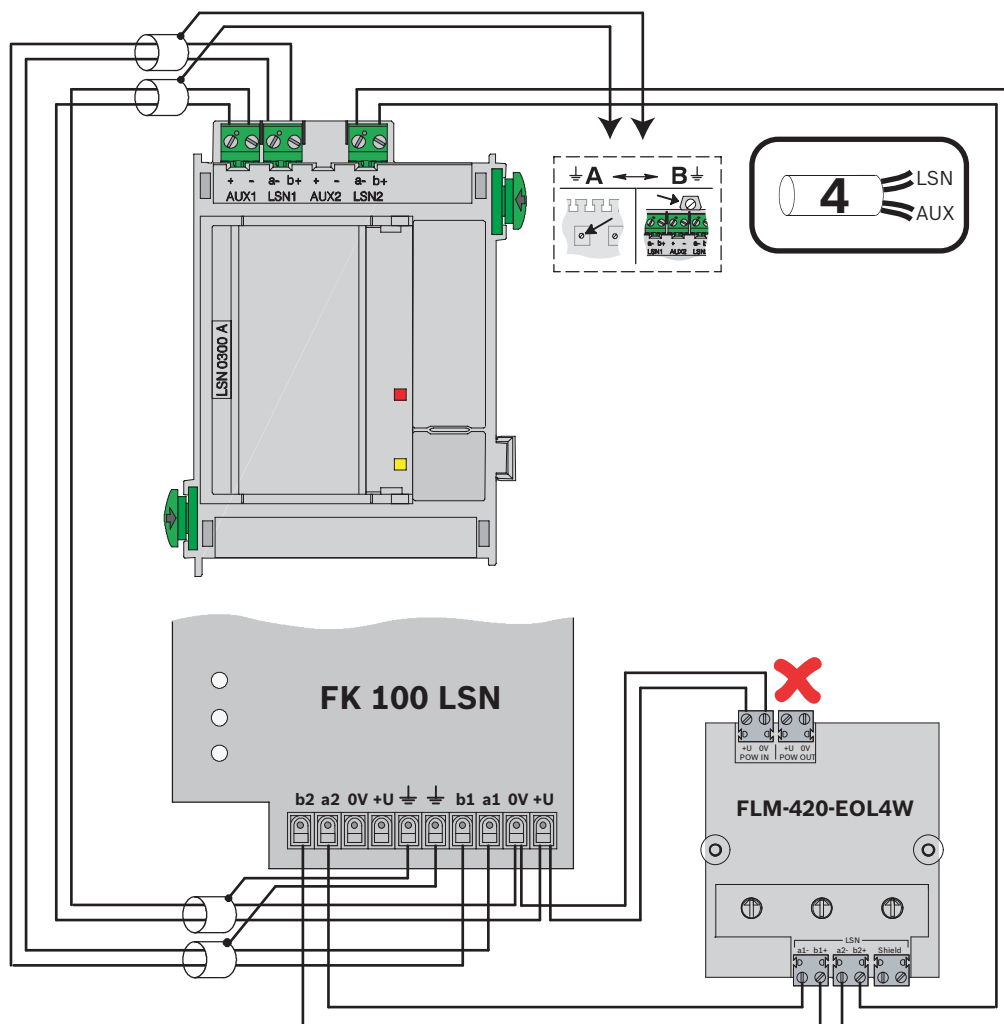
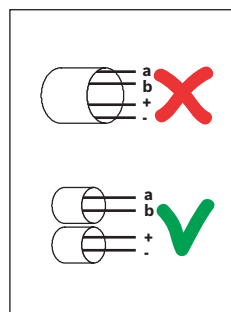
BAT 100 LSN
ATG 420 LSNi



ELS VdS 2489



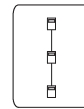
**FK 100 LSN****ELS VdS 2489**

**FK 100 LSN****ELS VdS 2489**

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

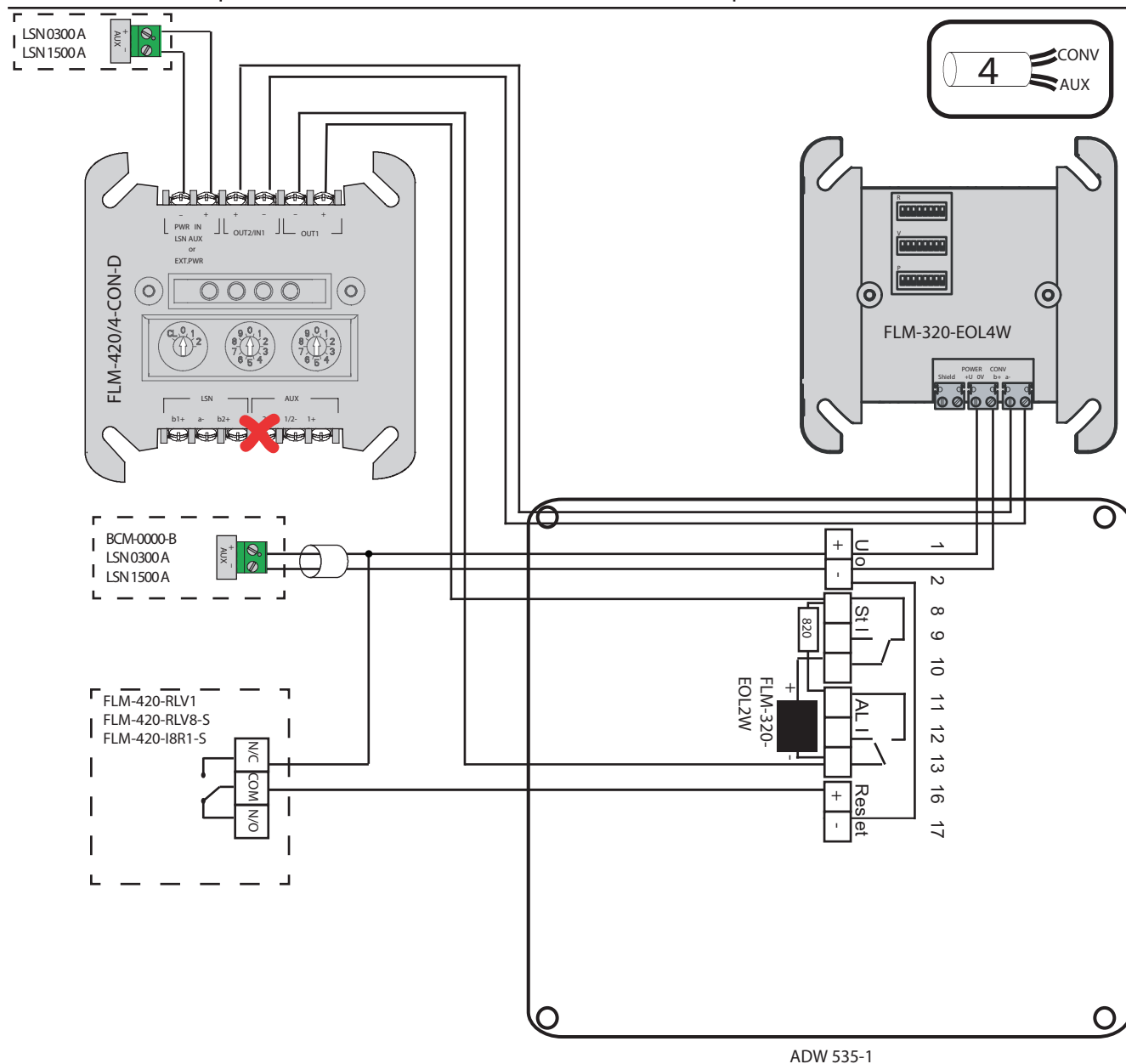


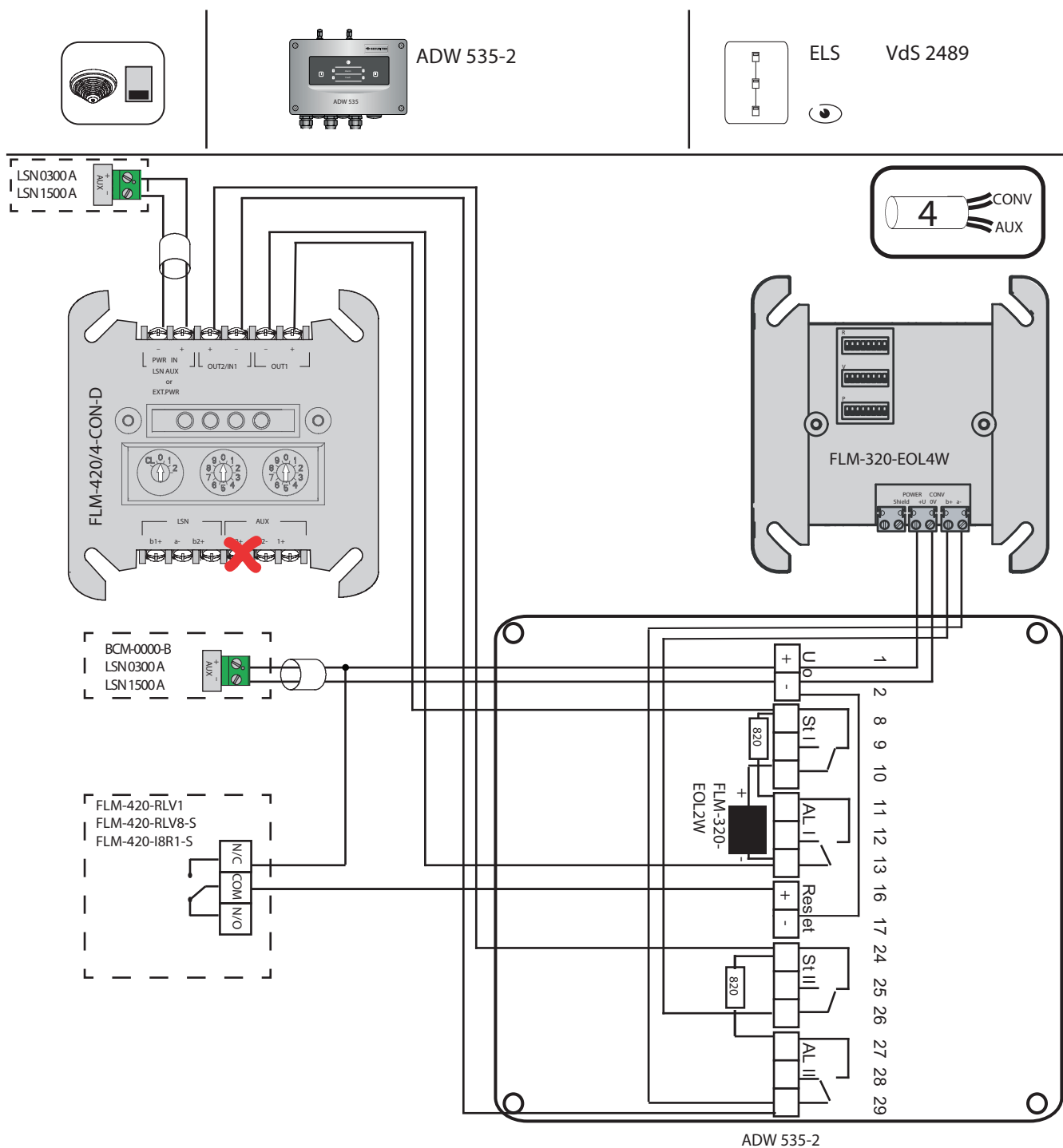
ADW 535-1

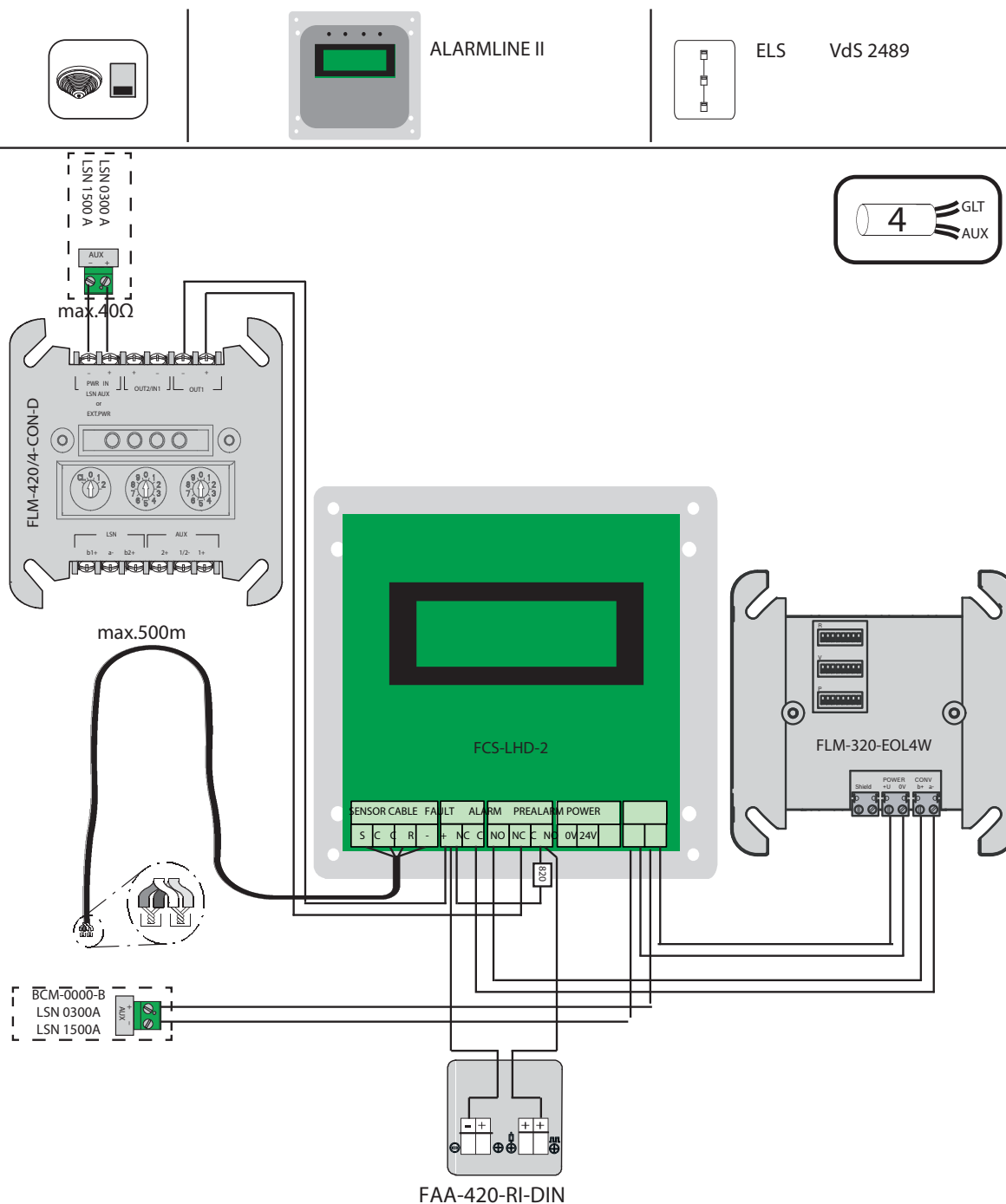


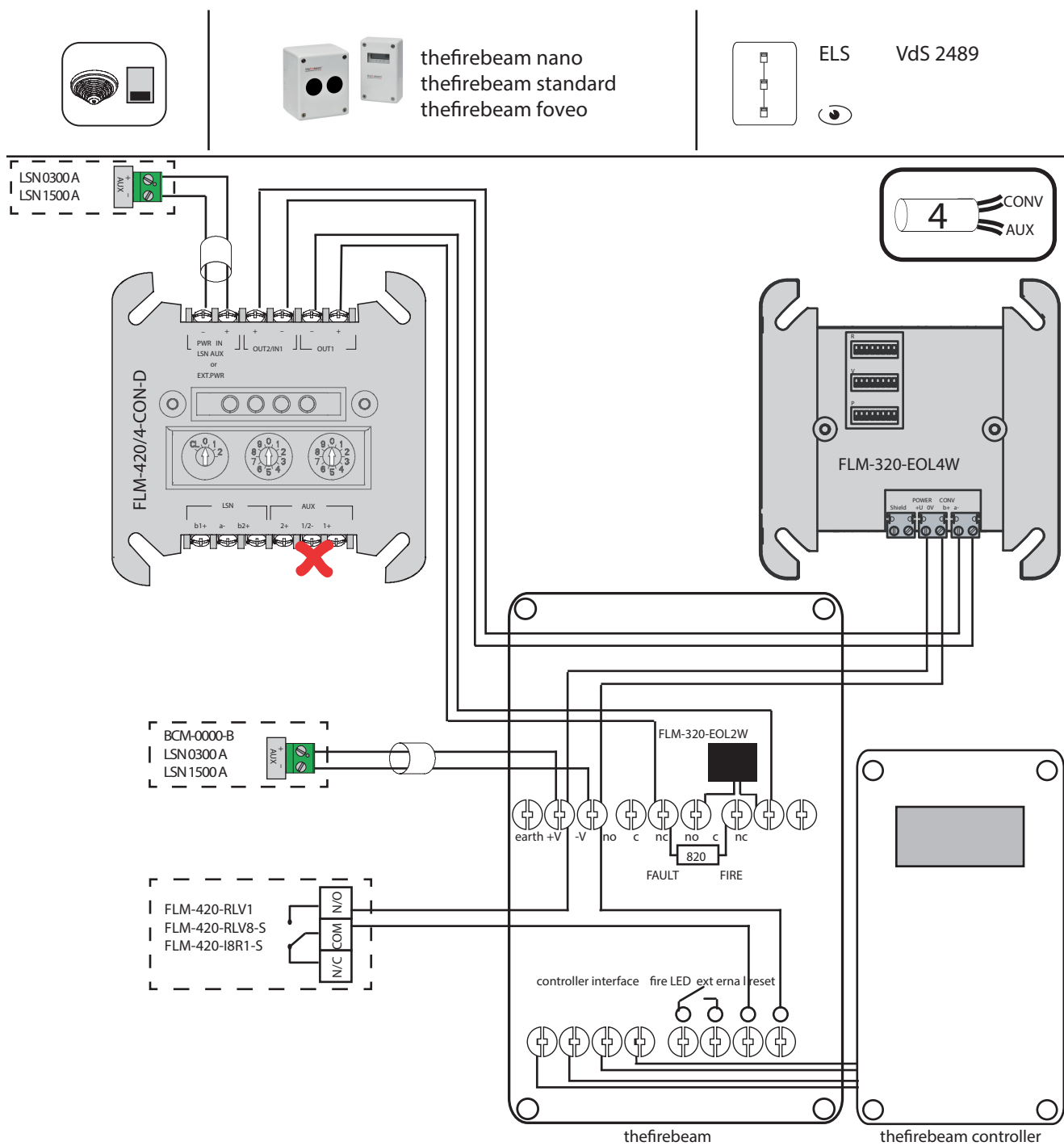
ELS

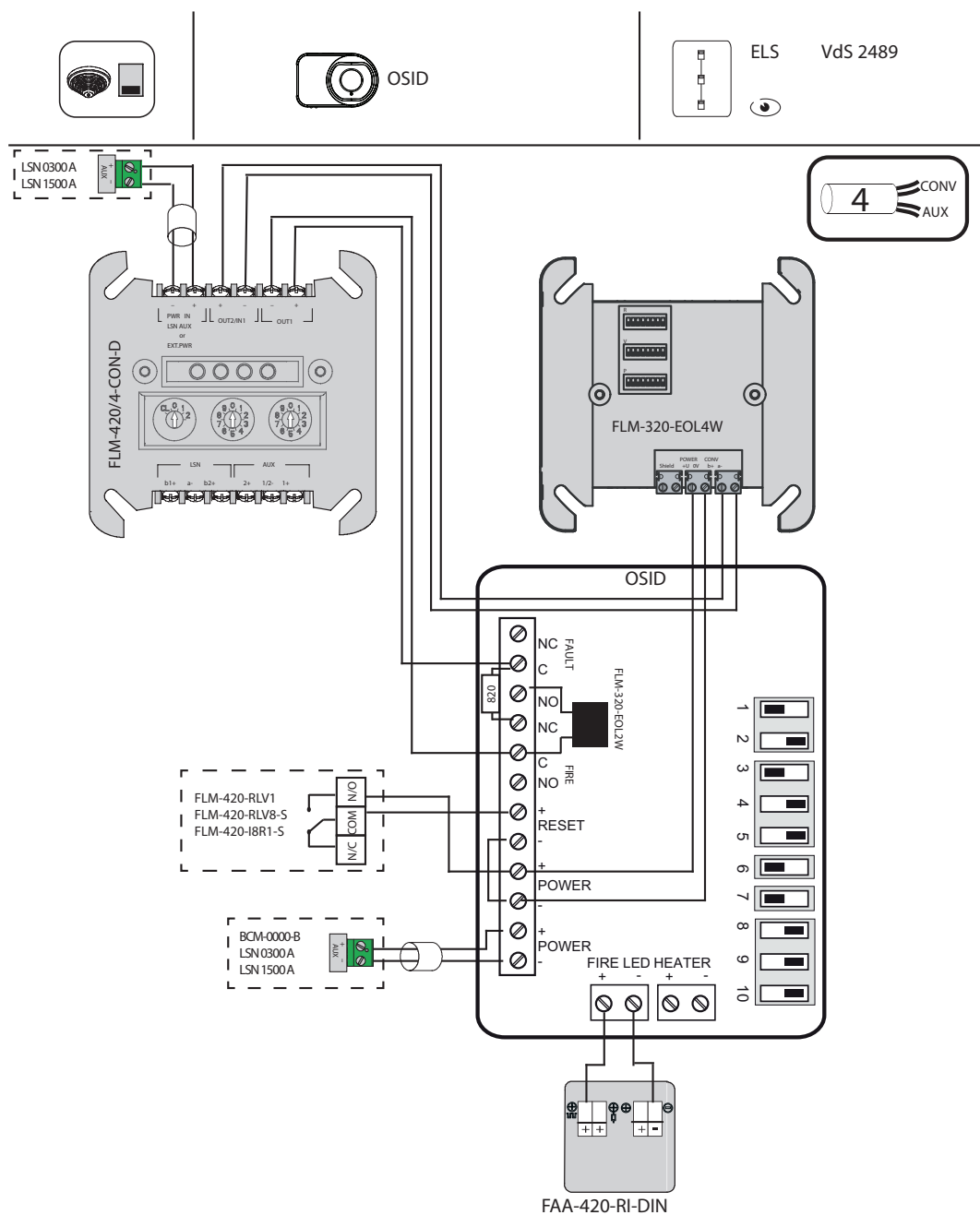
VdS 2489





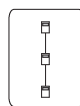




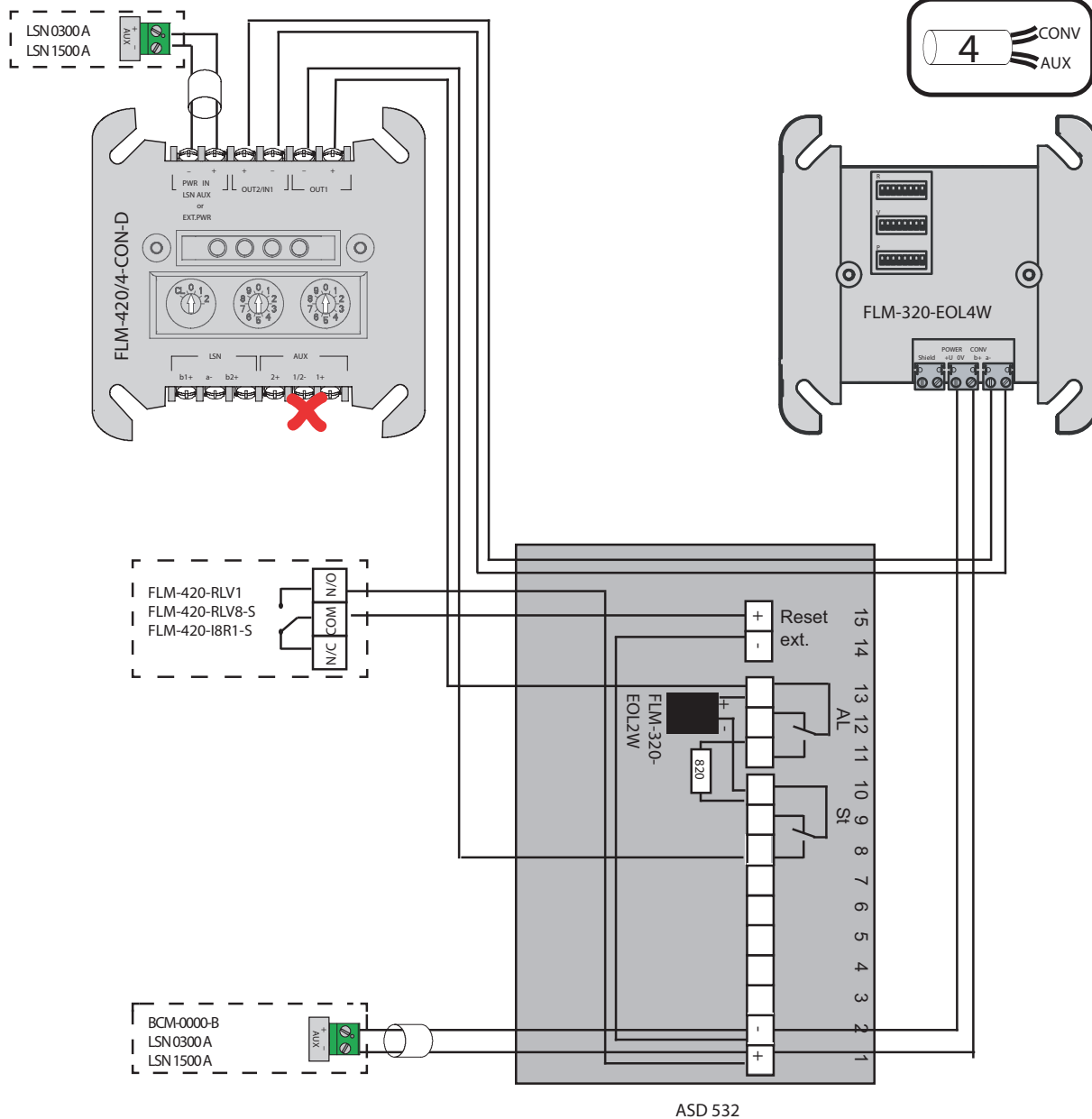




ASD 532

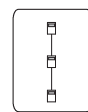


ELS VdS 2489



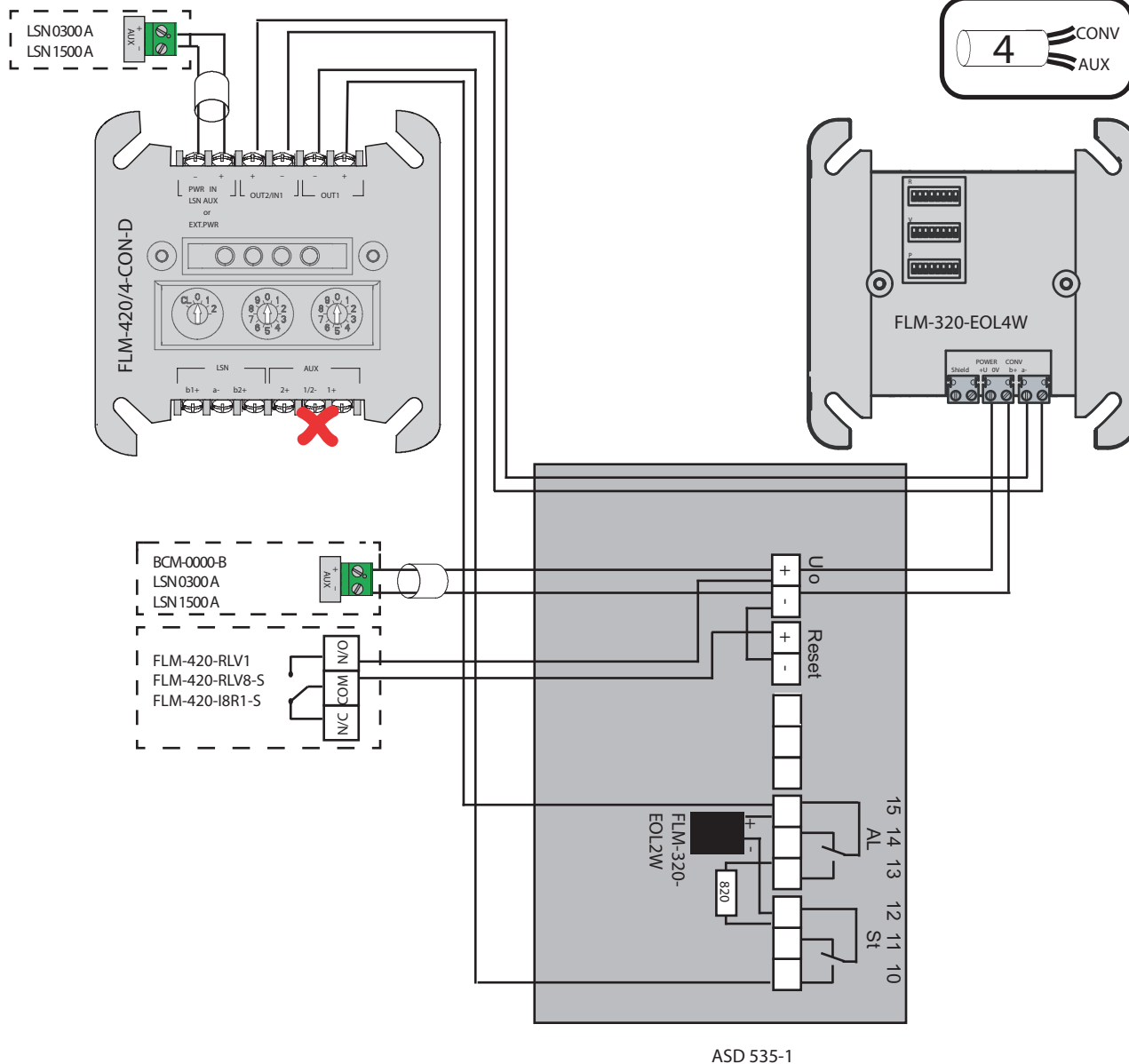


ASD 535-1



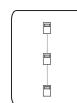
ELS

VdS 2489

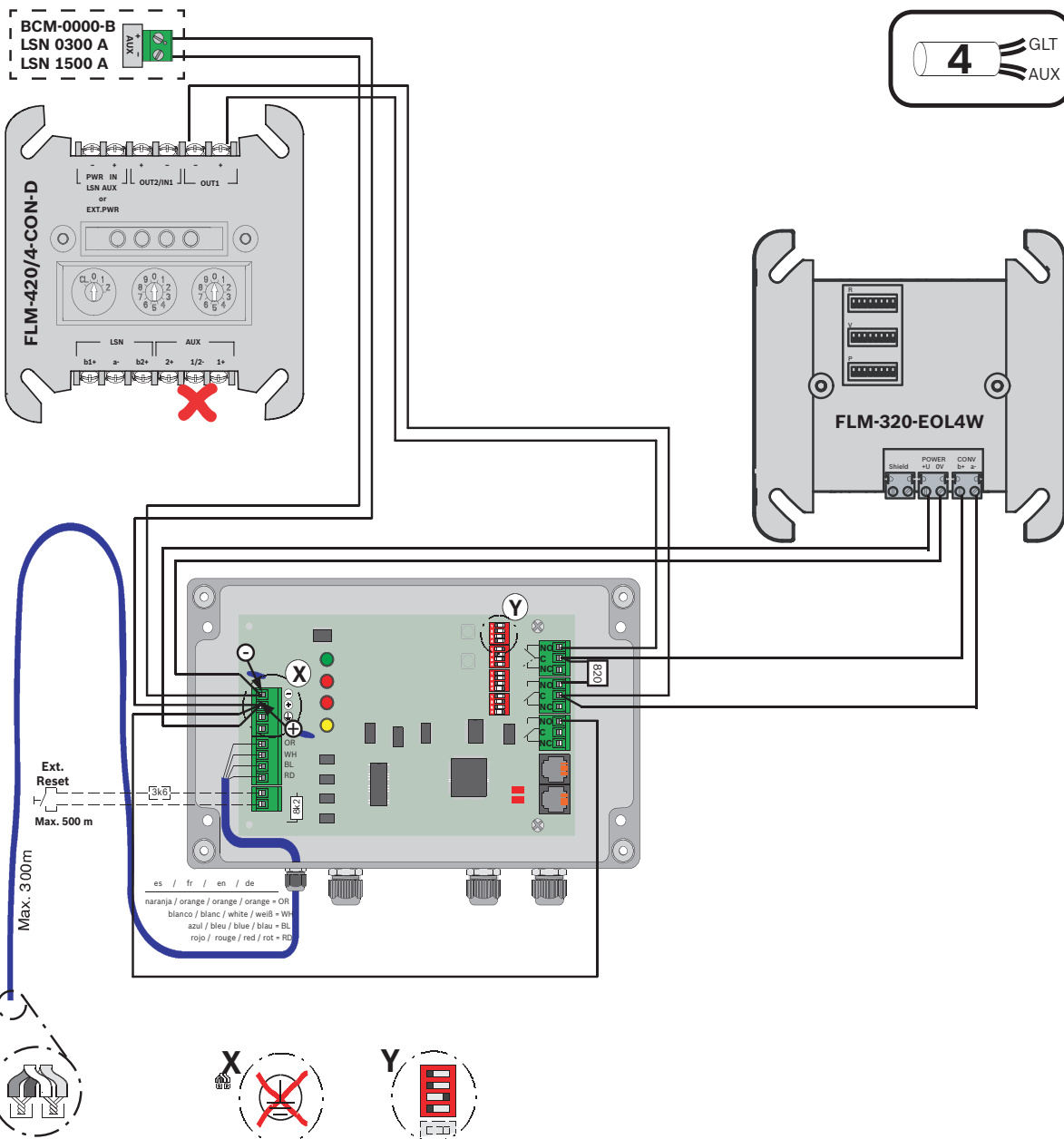


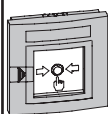
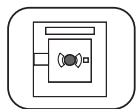


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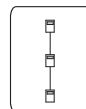


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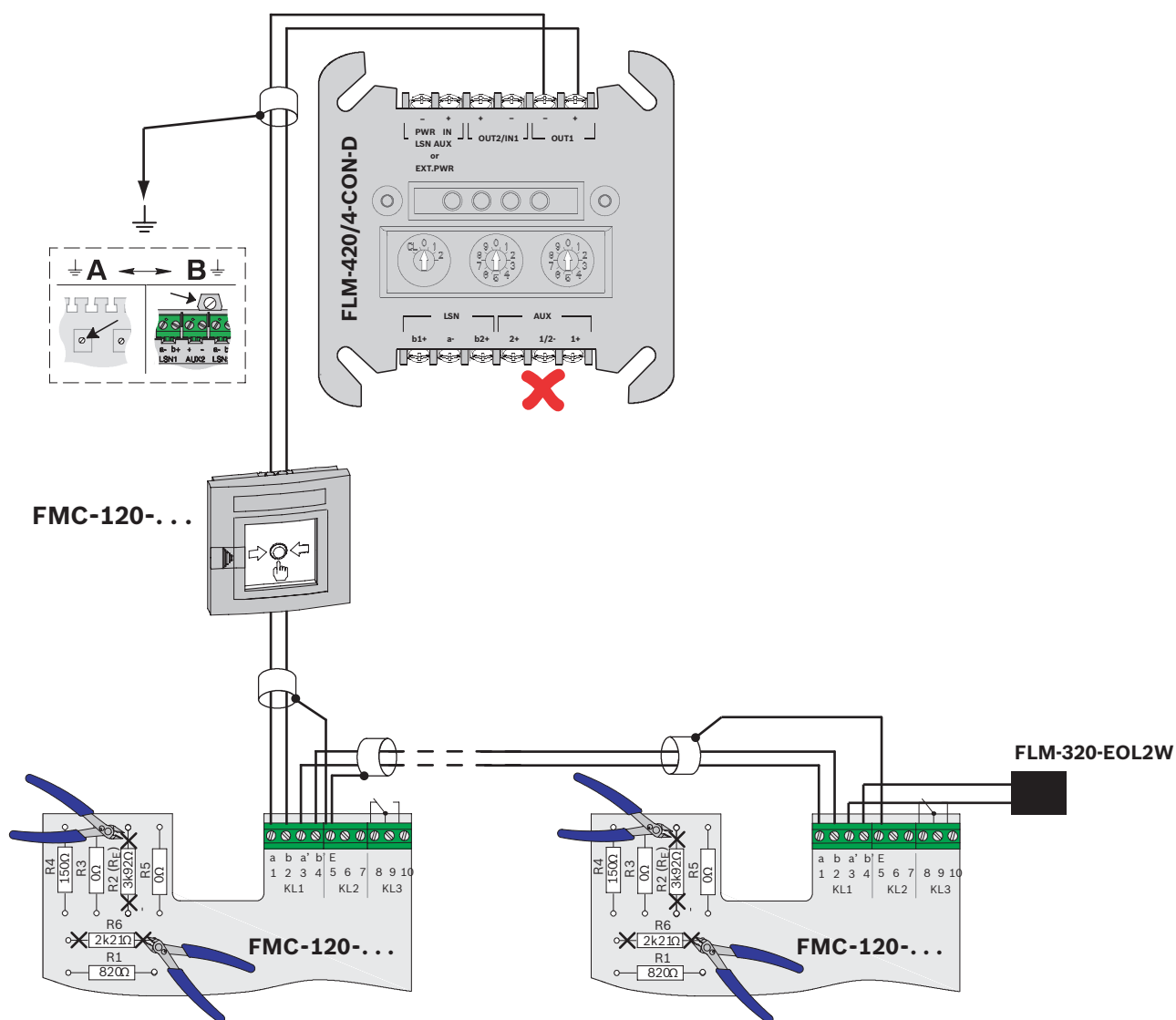


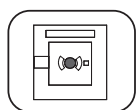
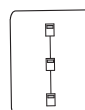
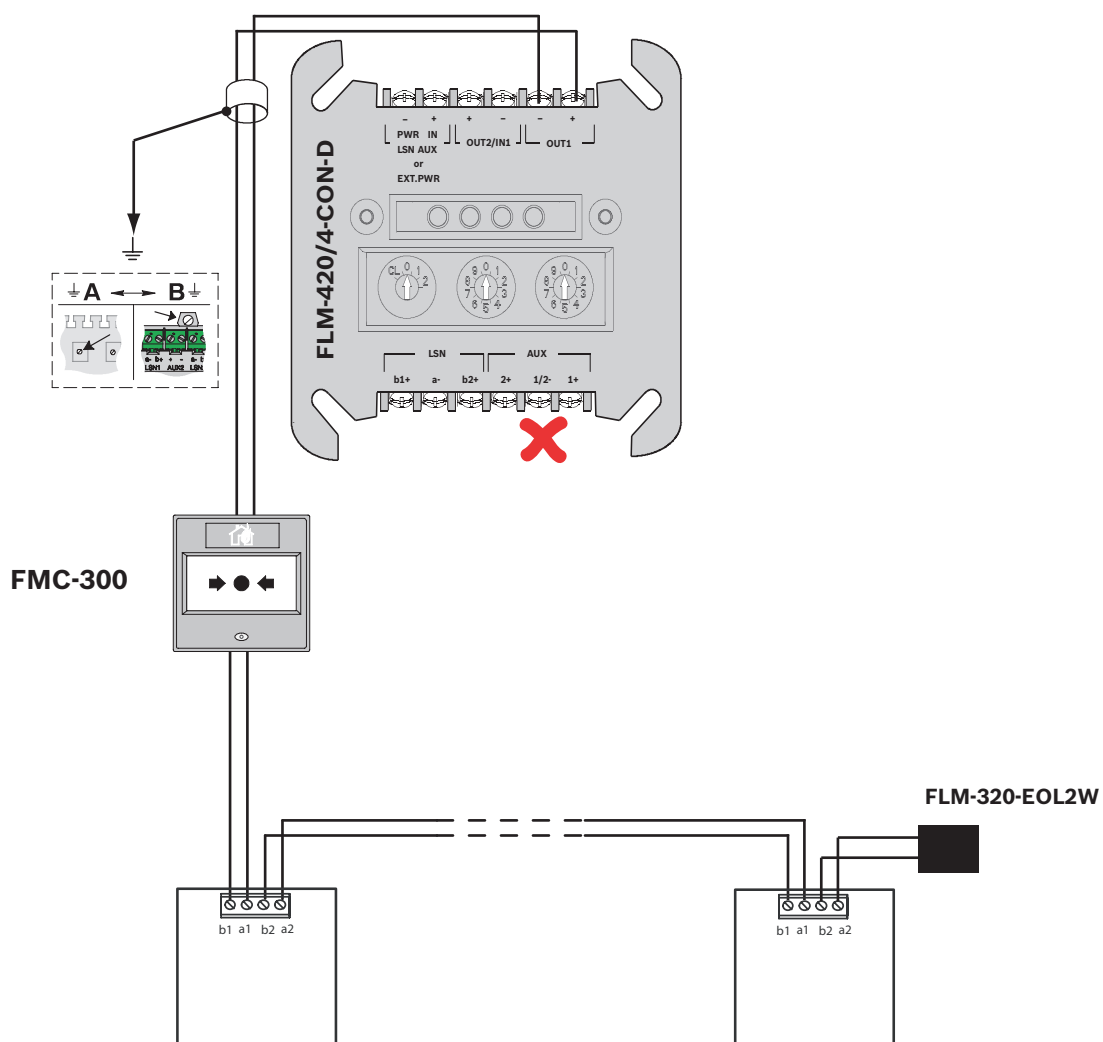


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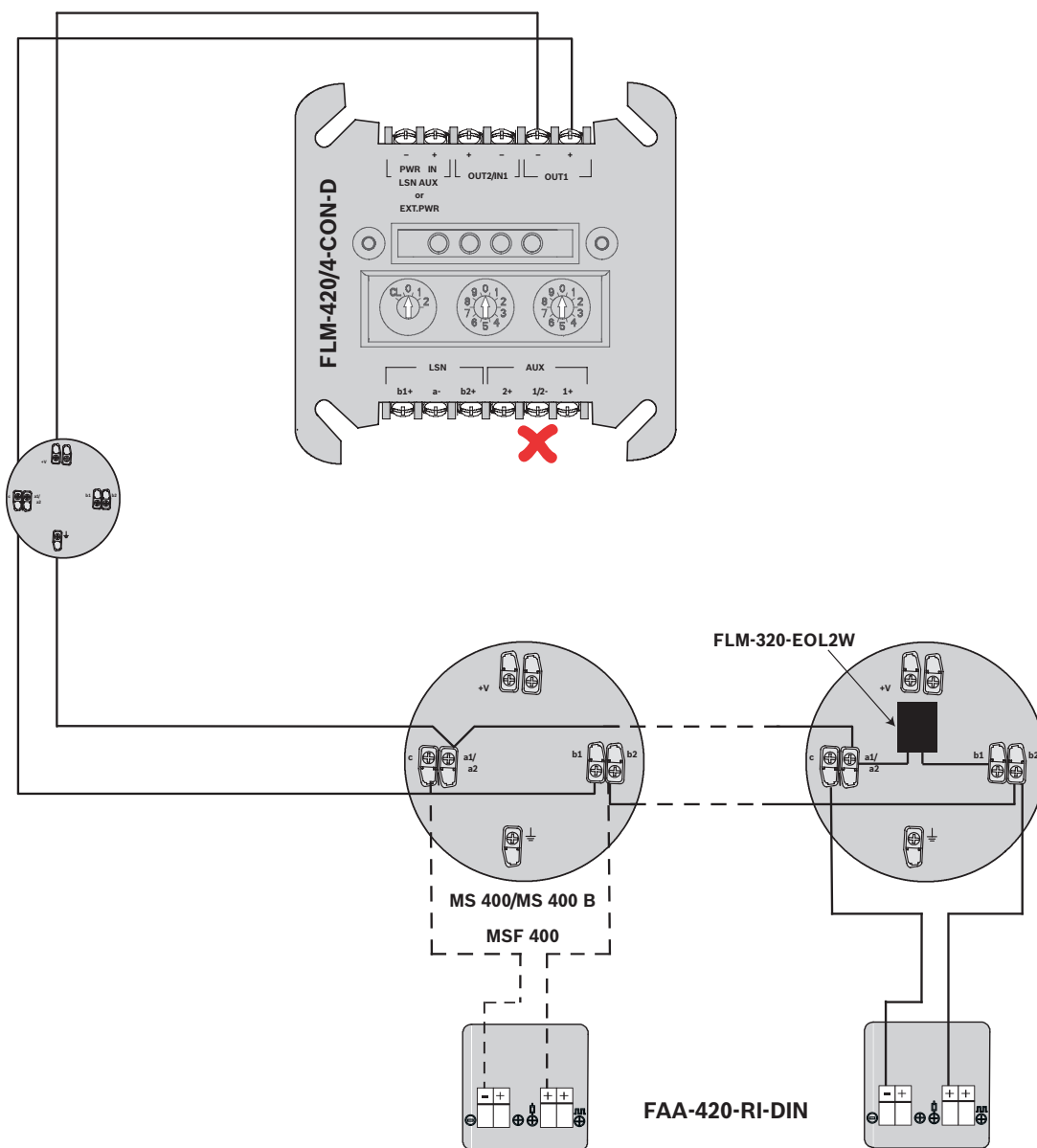
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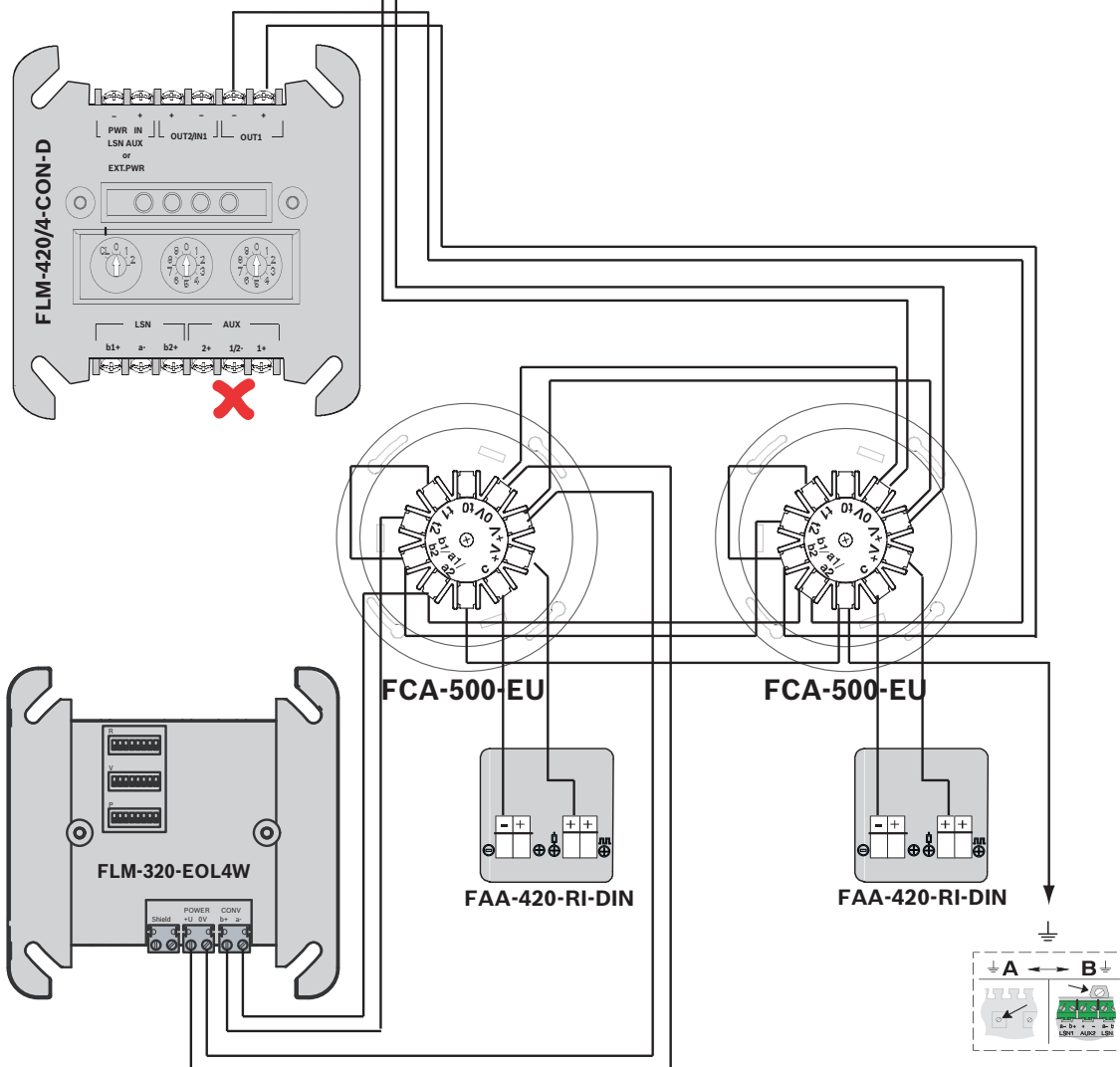
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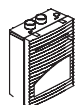
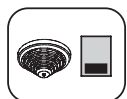


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4 GLT
AUX





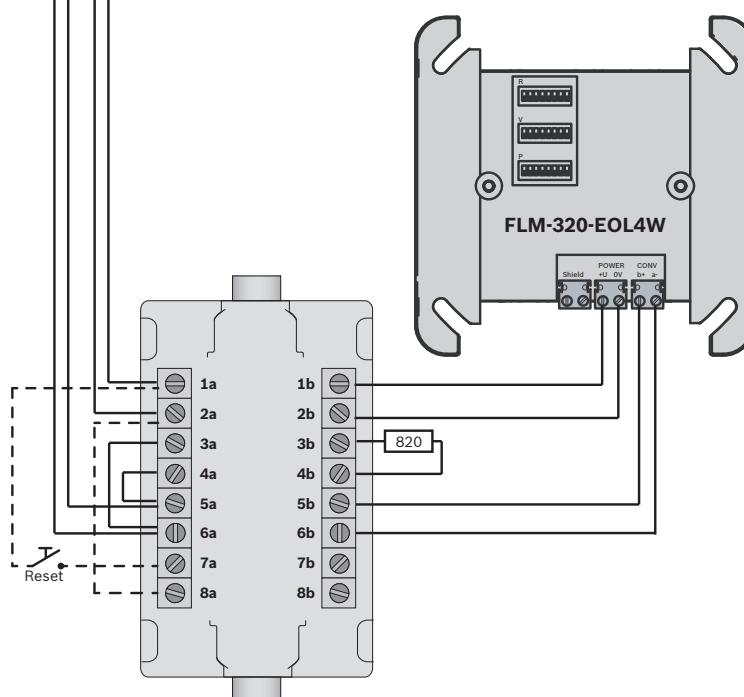
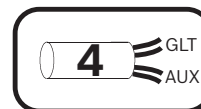
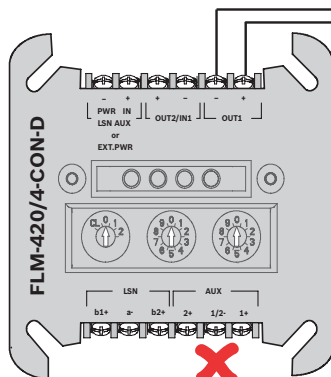
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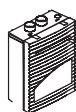
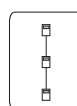


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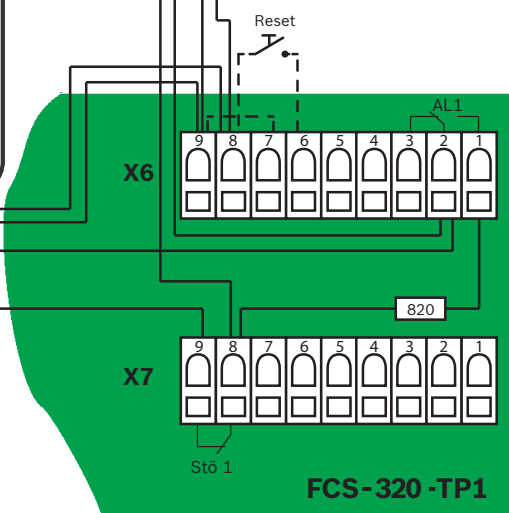
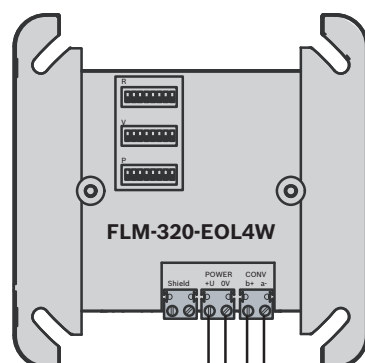
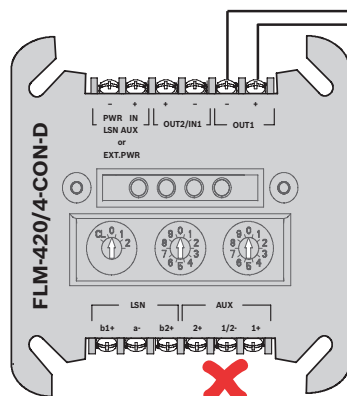
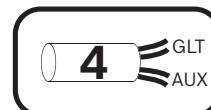


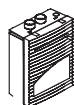
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**FCS-320-TP Series****ELS VdS 2489**

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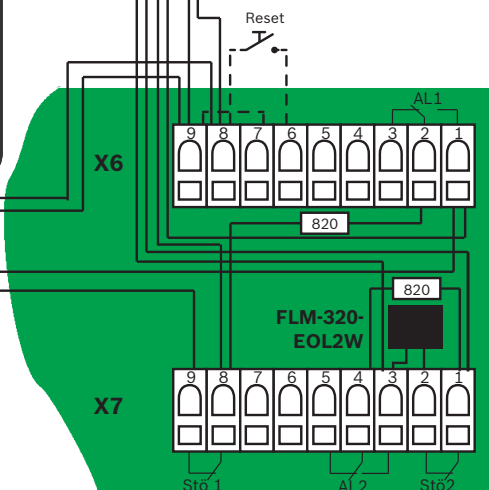
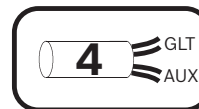
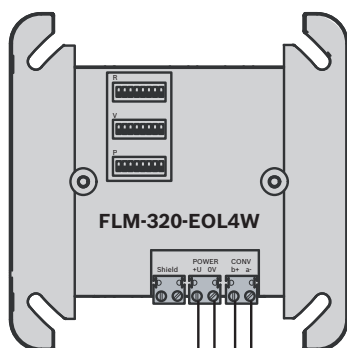
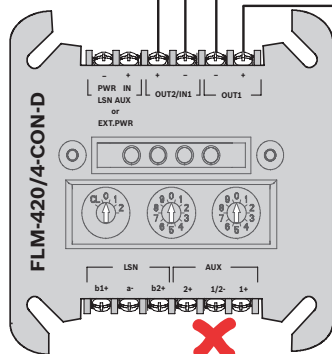
FCS-320-TP Series



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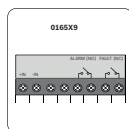


BCM-0000-B
LSN 0300 A
LSN 1500 A

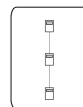


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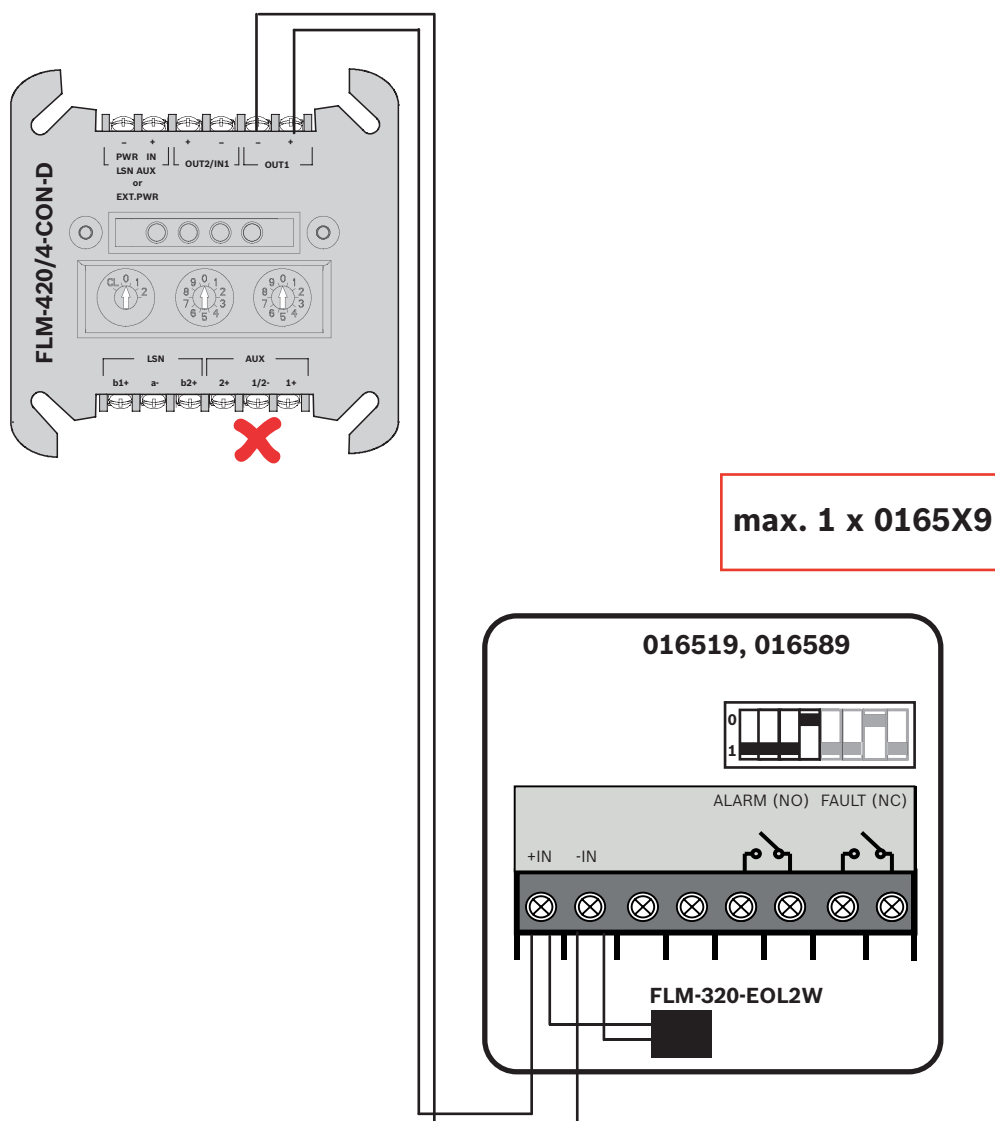


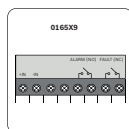


016519, 016589
IR3 Flame Detector

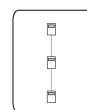


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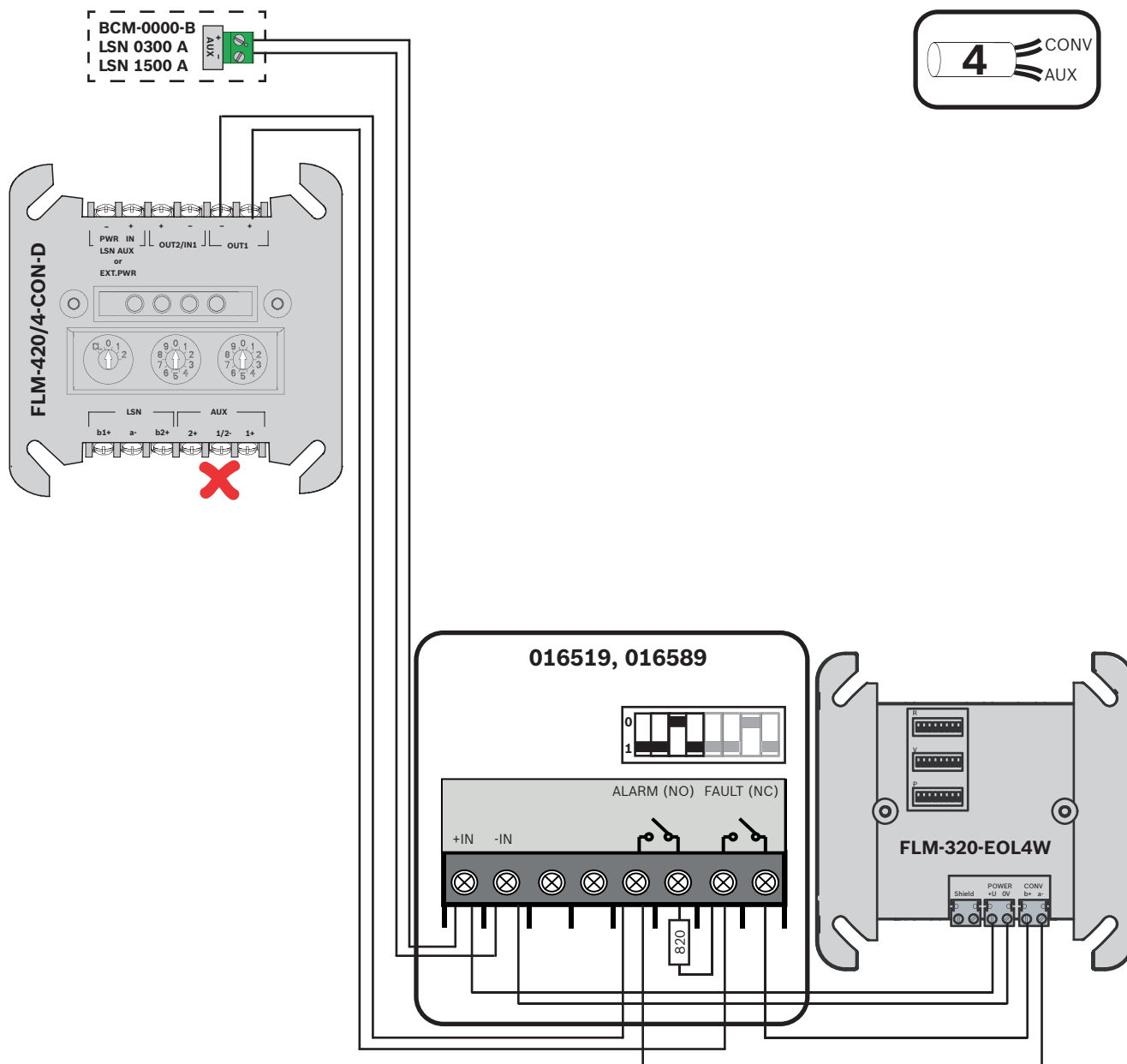


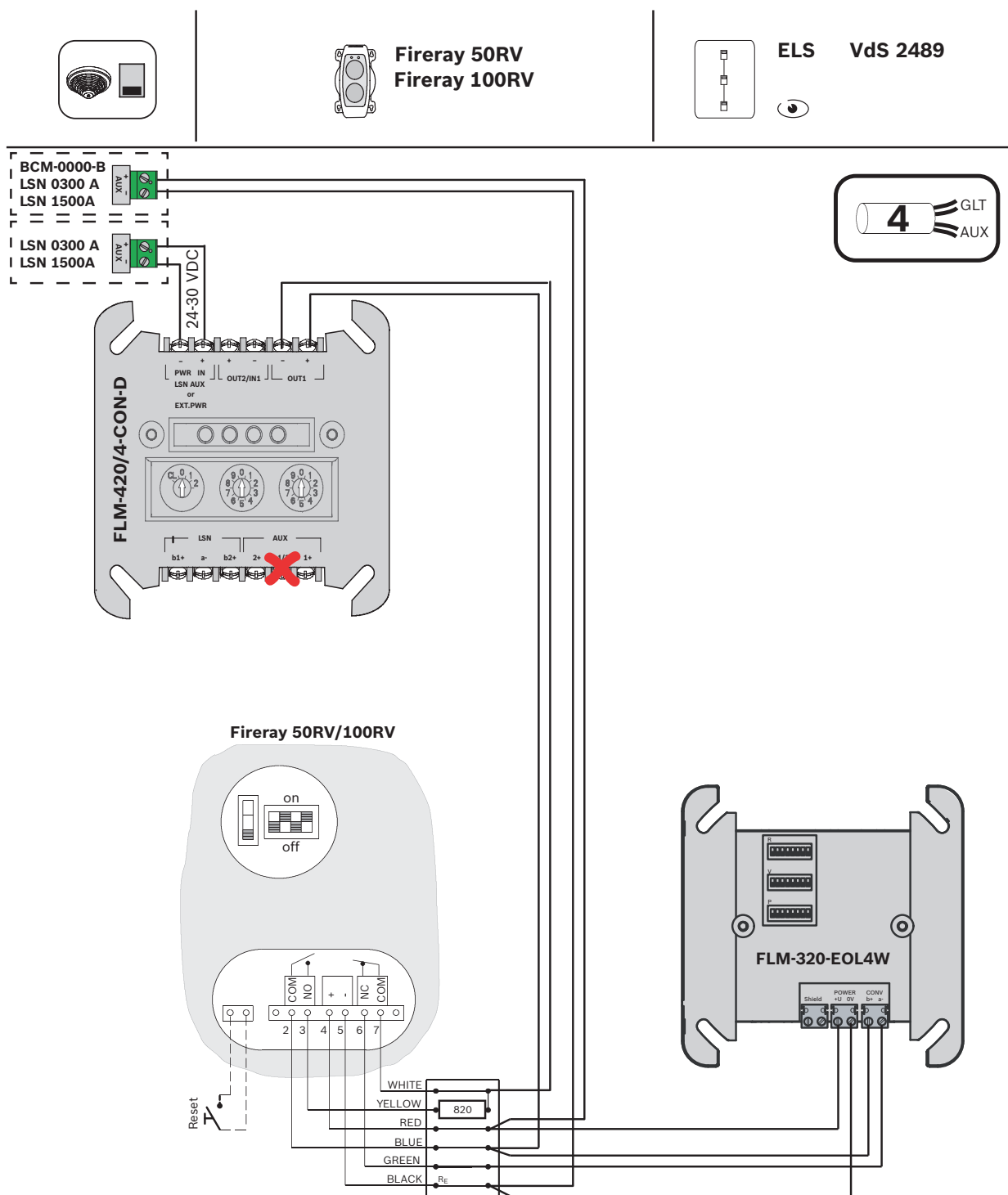


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IR3 Flame Detector



ELS VdS 2489







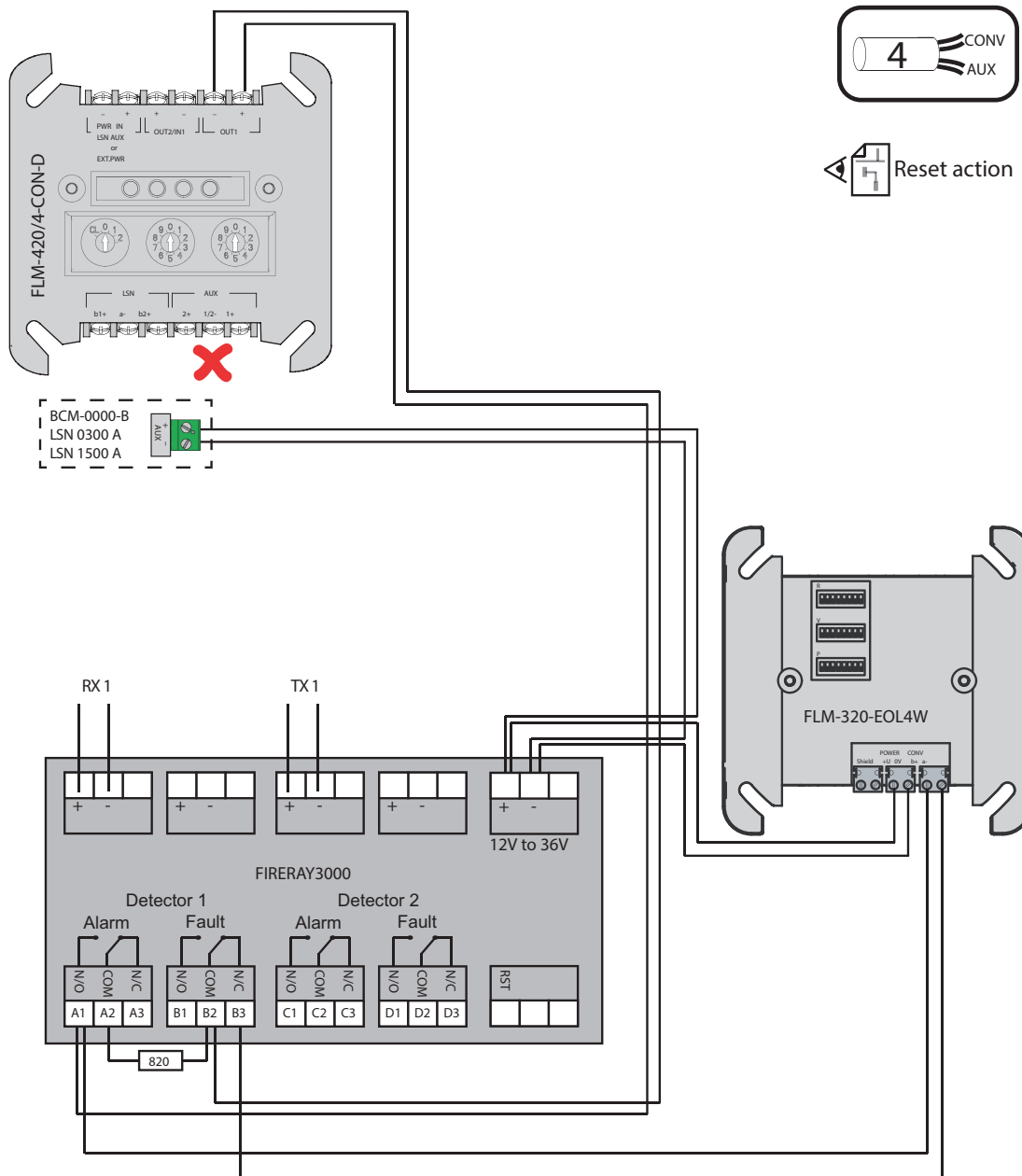
FIRERAY3000

1 x



ELS

VdS 2489





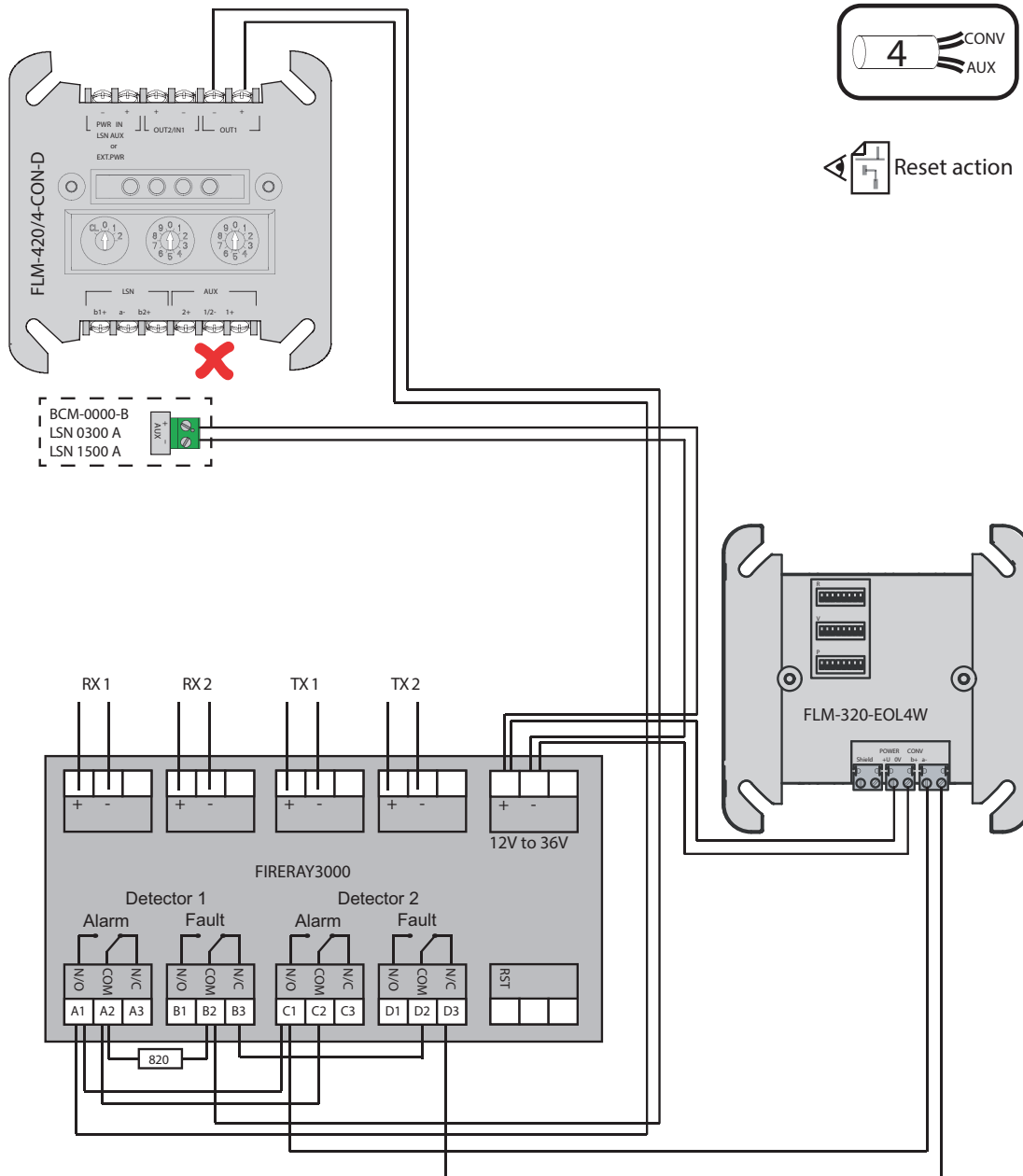
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2 x 1



ELS

VdS 2489





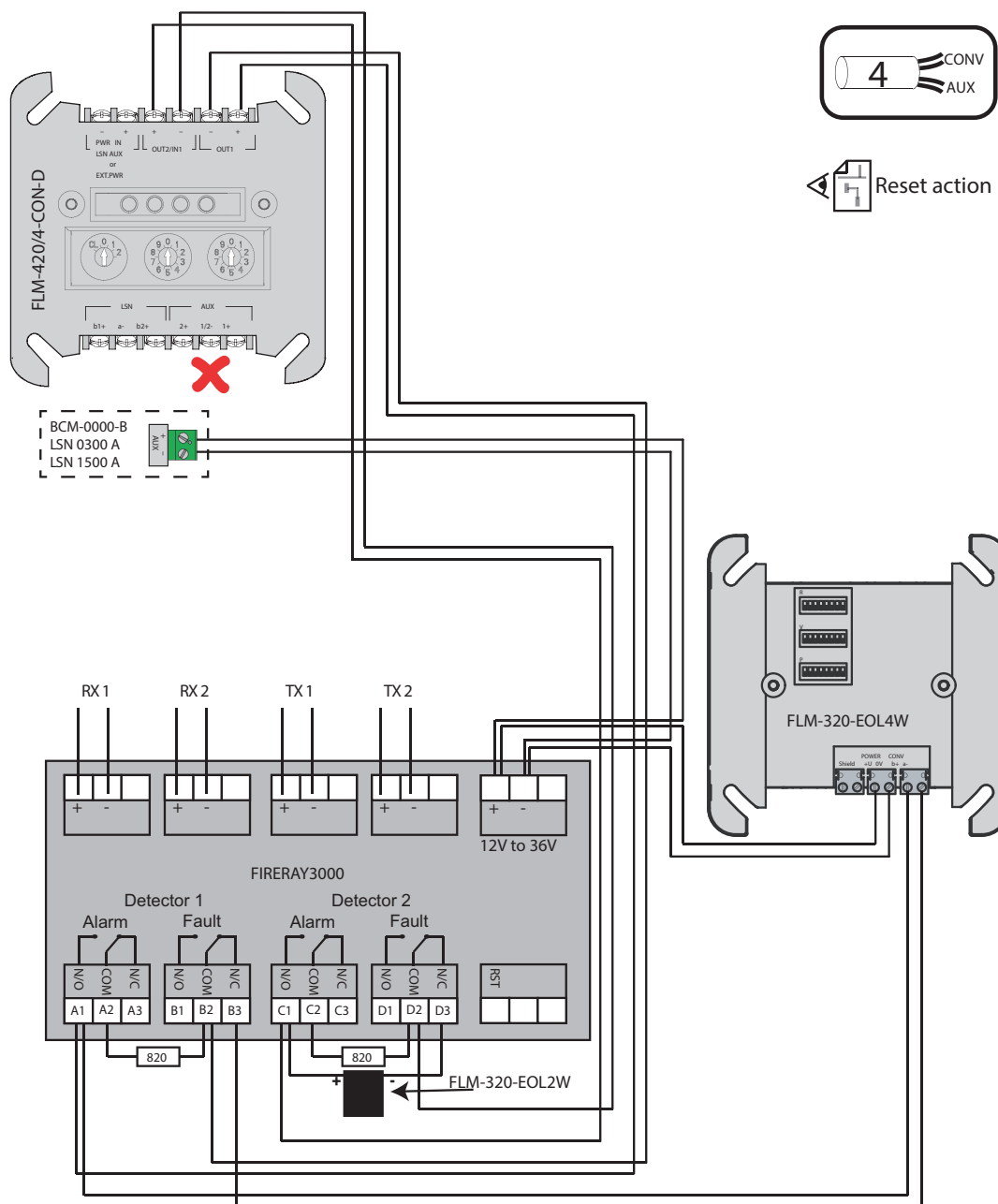
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2 x 1+2



ELS

VdS 2489





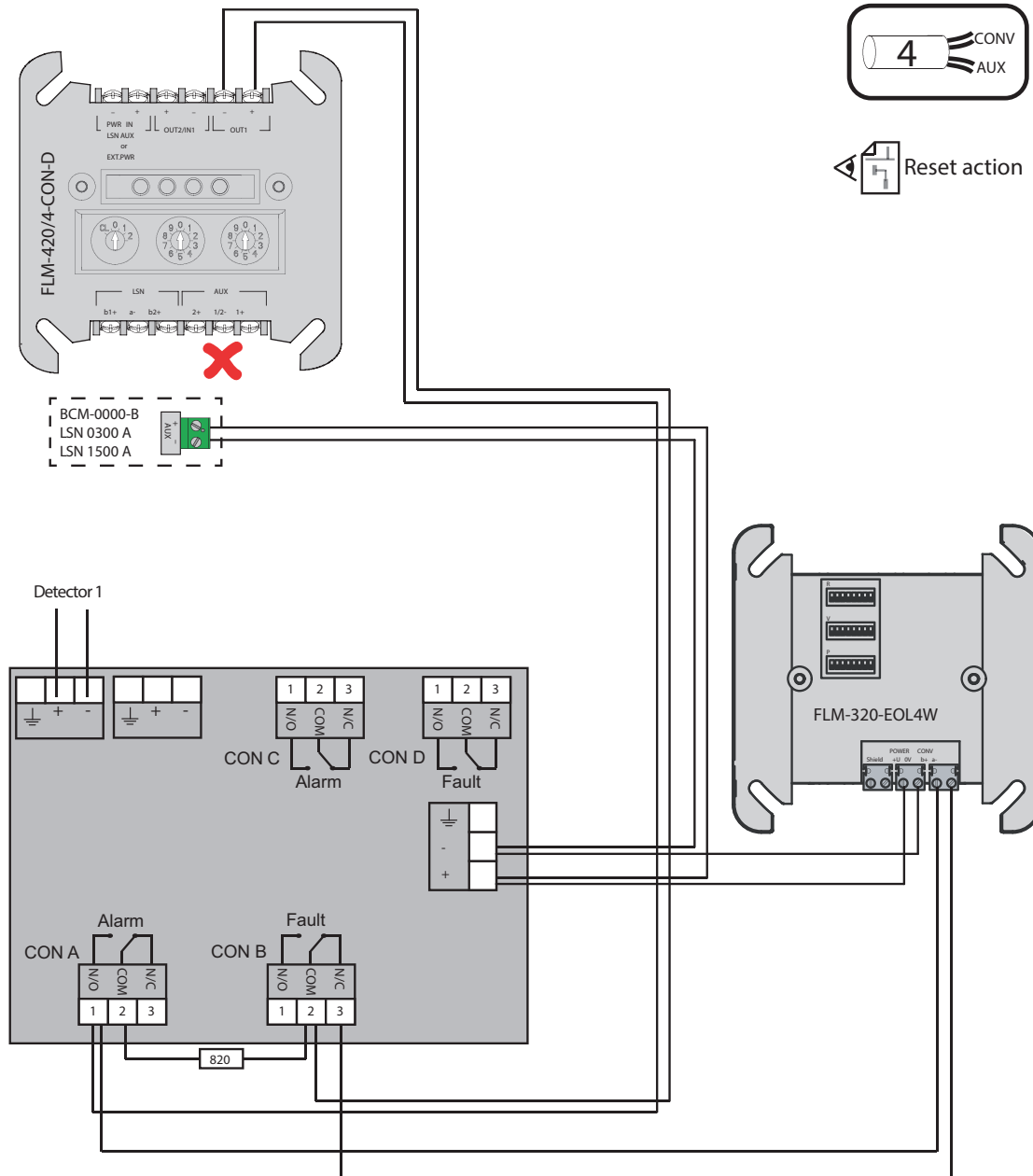
FIRERAY5000

1 x



ELS

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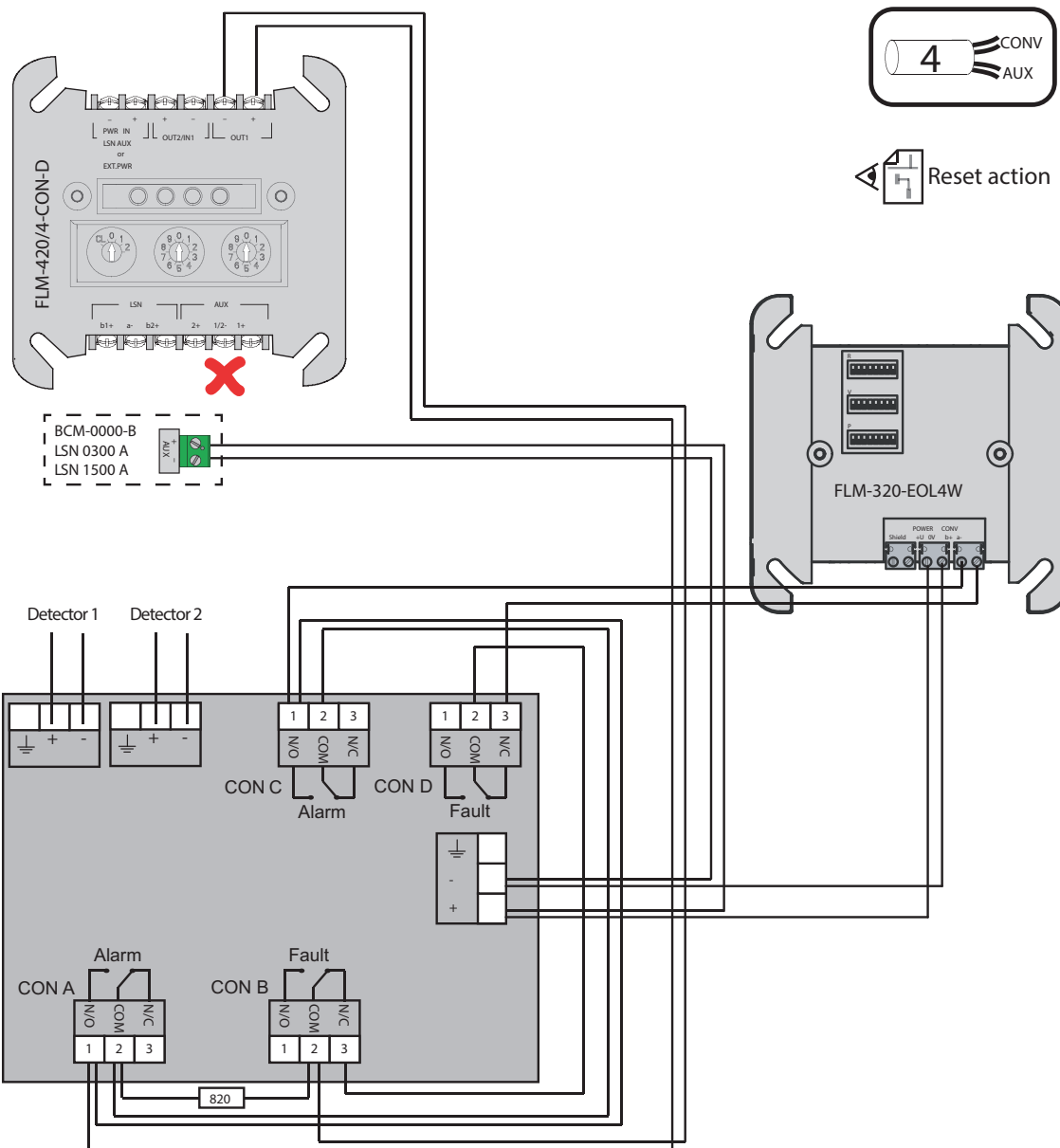
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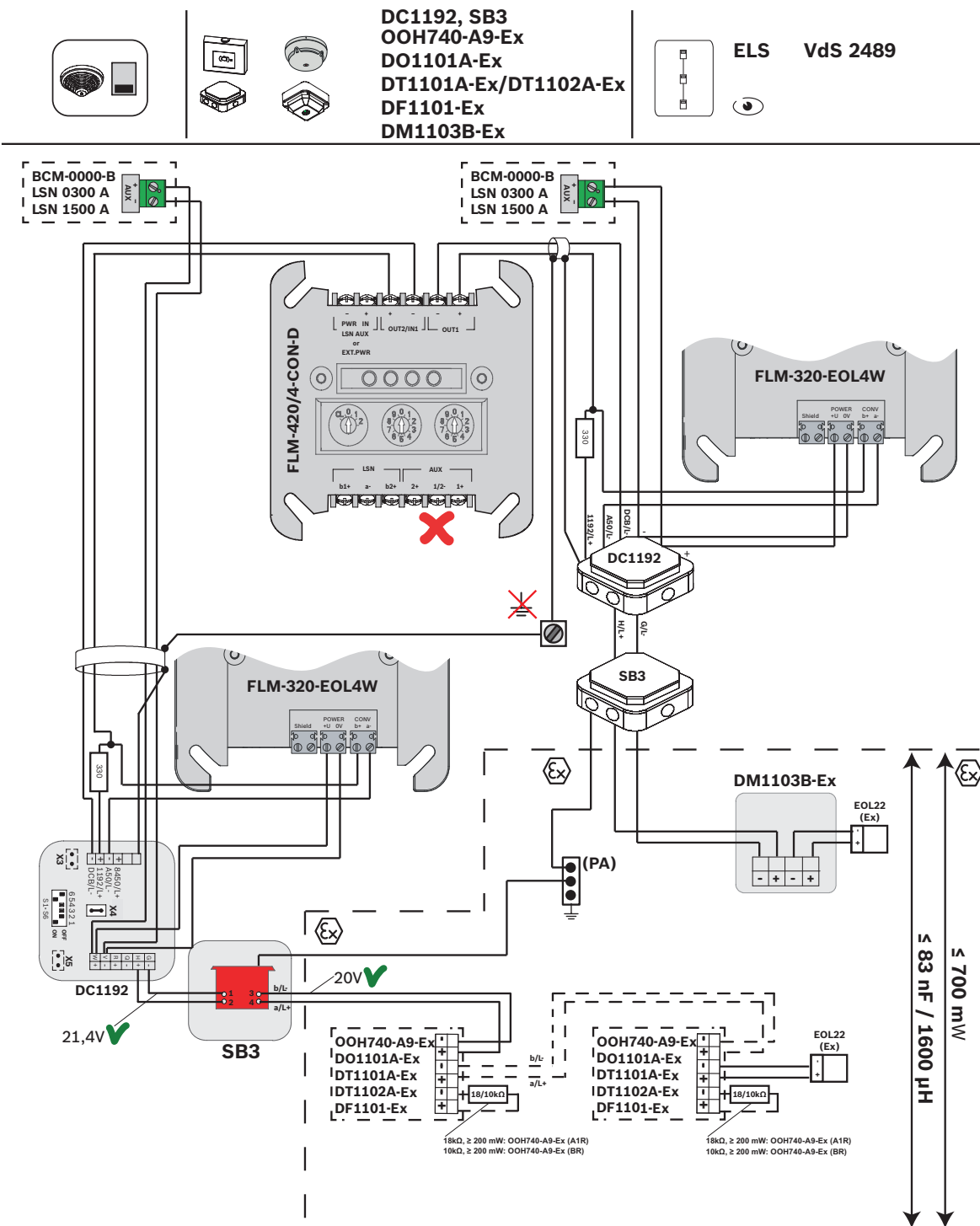
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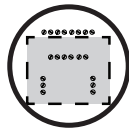


ELS

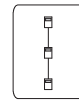
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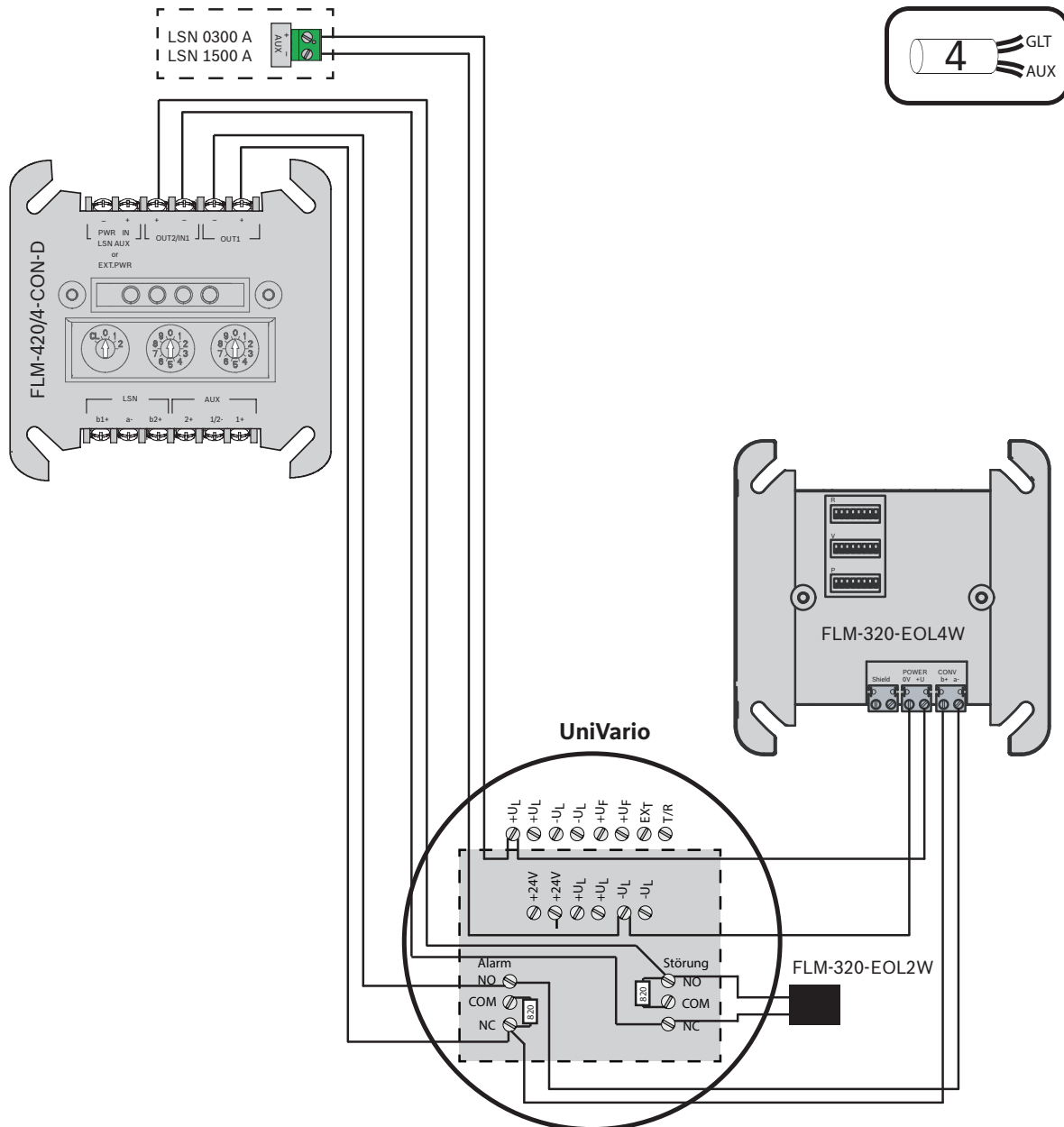




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Bosch Sicherheitssysteme GmbH

Robert-Bosch-Ring 5

85630 Grasbrunn

Germany

www.boschsecurity.com

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