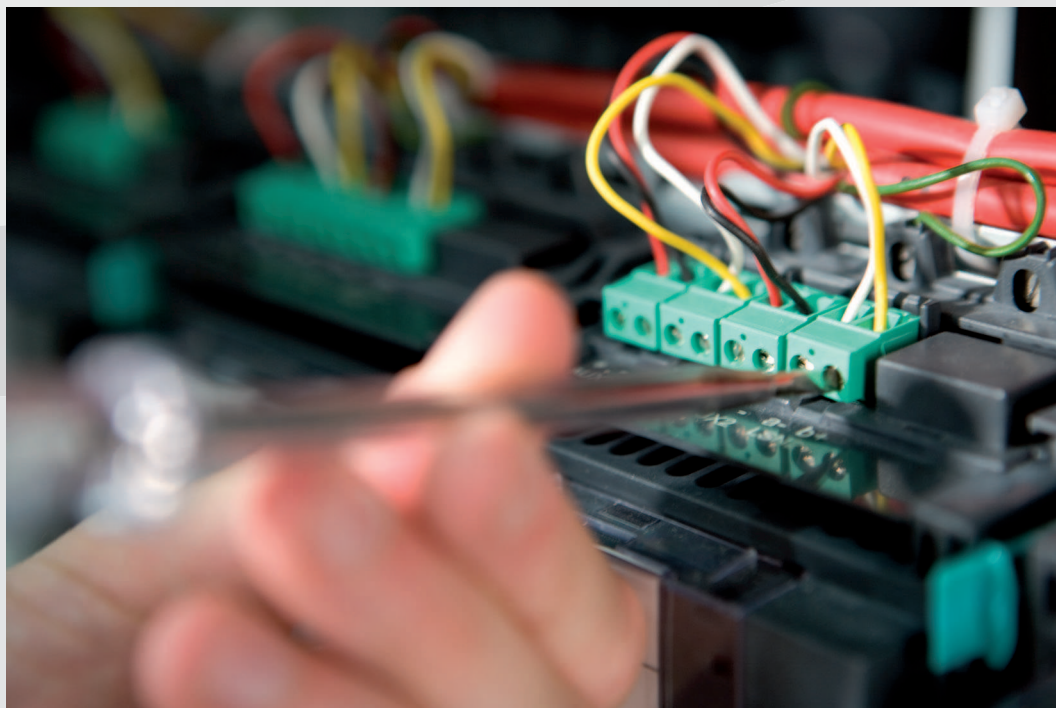


Moduláris tűzjelző központ

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 Megjegyzések

2.1 Tartalom

A kábelezési útmutató külső eszközöknek a tűzjelző központhoz történő csatlakoztatását tartalmazza.

A termékválasztékban már nem szereplő periférikus eszközöket a kábelezési útmutató "Part 2 - Discontinued Products" fejezete tartalmazza.



Megjegyzés!

A dokumentumban ismertetett bekötések az FPA-1200 tűzjelző központra szintén érvényesek, feltéve, ha annak egyedi alkatrészei az FPA-1200 tűzjelző központ Bosch Sicherheitssysteme GmbH által engedélyezett kiegészítői.



Megjegyzés!

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

2.2 Termékinformáció

- A tűzjelző központ egyes alkatrészeinek szerelési utasításait a mellékelt telepítési útmutatóban találja meg.

2.3 Fontos megjegyzések

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



Veszély!

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



Megjegyzés!

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

- Csatlakoztassa az LSN kábel árnyékolóköpenyét a központ oldalán a kijelölt funkció földcsatlakozójához. Az árnyékolást a hurok mindkét oldalán (kezdő- és végfok) csatlakoztatni kell a központhoz
- Hurkolja át az árnyékolást az LSN összes periférikus eszközén a biztosított csatlakozók felhasználásával
- Az LSN kábel árnyékolását tilos máshová csatlakoztatni – sem más földcsatlakozóhoz, sem más elektromos potenciálhoz való csatlakozás nem megengedett

2.4 Megjegyzések a használatához

A kábelezési útmutató a következőképp épül fel:

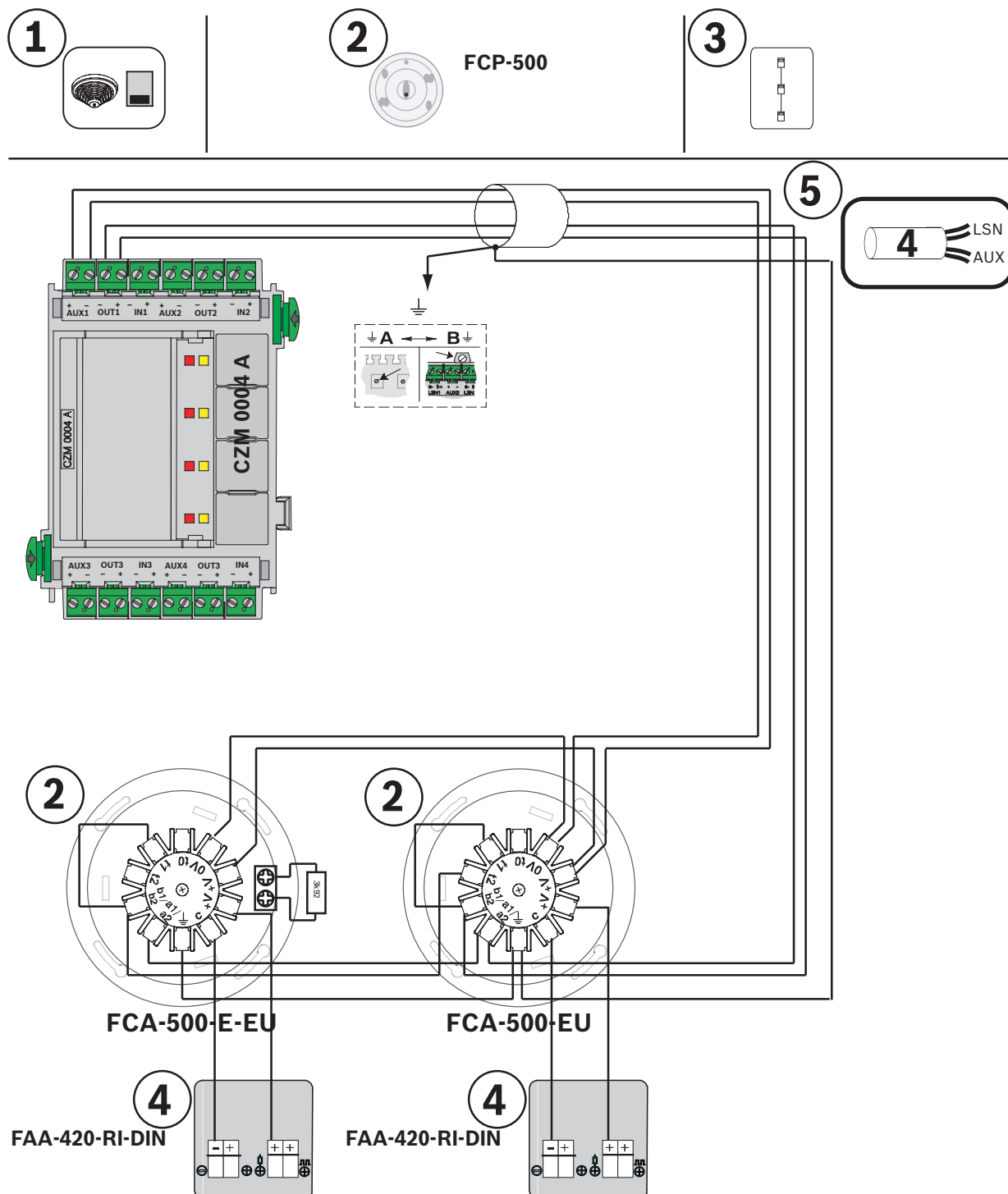
- A *Vezetékezés*, *oldal 18* fejezet eszköz szerint tagolódik, amelyhez a periférikus eszköz csatlakozik. A kapcsolási rajz a két eszköz közötti közvetlen csatlakoztatást ábrázolja (lépcsős kapcsolások nélkül). A kapcsolási rajzokon az árnyékolás általában nincs ábrázolva. Az alábbi minta kapcsolási rajz az árnyékolást ábrázolja.

- A vezetékek, melyek a kialakuló nyitott helyzetet felügyelő EOL modullal vannak felszerelve, a EOL fejezetben található.

A szükséges kapcsolási rajz megkereséséhez használhatja továbbá:

- a *Vezetékezés*, *oldal 18* című fejezet elején, illetve a *Funkcionális modulok*, *oldal 48*, az *Interfész modulok*, *oldal 136* és az EOL fejezet elején található táblázatokat.
- az Index (nyelvfüggetlen),
- és a teljes szöveges keresést.

Lásd az alábbi példát a vezetékezésre:



1	Fejezetjelölések (<i>Fejezetjelölések, oldal 14</i>)
2	Csatlakoztatható külső eszköz
3	Csatlakoztatási jelölések (<i>Csatlakoztatási jelölések, oldal 14</i>)
4	Opcionális elemek
5	Tápellátás és vezetékezés (<i>Tápellátás és vezetékezés, oldal 15</i>)

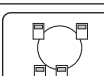
Lásd:

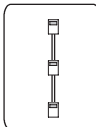
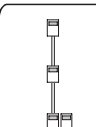
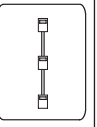
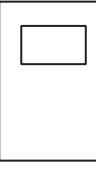
– EOL, oldal 180

2.4.1 Fejezetjelölések

	Automatikus érzékelők		Kezelők és kijelzők		Nyomtató
	Tápegység		Funkcionális modulok		Tűzoltósági kezelőegység
	Csatolómodulok		Oltórendszerek		Kézi jelzésadók
	Jelzőeszközök		Ajtóvezérlők		Távjelző egységek
	Hálózatba kapcsolás				

2.4.2 Csatlakoztatási jelölések

	Hagyományos perifériák felügyelt/nem felügyelt csatlakoztatása, vagy felügyelt/nem felügyelt hagyományos áramköri vonal a jelzőberendezésekhez. (Vonallezáró ellenállás a CZM 0004 A, FLM-420-NAC-D/S, NZM 0002 A, RMH 0002 A vezetéken, vagy potenciálmentes érintkezőjű vezetékek az interfészmodulhoz.)		A hagyományos periféria ezen csatlakozásához visszacsatoló vezeték csatlakoztatható. / Az áthúzott ikon azt jelzi, hogy visszacsatoló vezeték nem szükséges vagy nem javasolt. (FLM-420-RHV, FLM-420-RLE-S, RMH 0002 A csatlakozások) Az egyik bemeneti vezeték is használható visszacsatoló vezetékként (FLM-420-I8R1, FLM-420-I2, FLM-420-O8I2, FLM-420-O1I1...).		Redundancia
	Hurok vezetékezése		Hurok vezetékezése redundáns elemmel		Ágvezetékezés

	Redundáns ág vezetékezés		Ágvezetékezés redundáns elemmel		Redundáns ágvezetékezés redundáns elemmel
ELS	Ez a vezetékezés megfelel a VdS 2543-nak. Az ELS (Extended Line Supervision) jelentése: kialakuló rövidzár és kialakuló szakadás figyelése. Ennél a vezetékezésnél van ELS. A kapcsolási rajzok, melyek a kialakuló szakadást figyelő EOL modullal vannak felszerelve, megtalálhatók a EOL fejezetben. A kialakuló szakadást a következő modulok észlelik: LSN 0300 A, LSN 1500 A és BCM-0000-B, az FPP-5000-TI13 használata esetén.		Ez a hurokvezetékezés megfelel a VdS 2543-nak. ELS-t is biztosít. További EOL modulok nem szükségesek.		Szinkronizálás
	Robbanásveszélyes területek		Központ		Önálló központ
	Önálló központ redundanciával		Nem megengedett		Érzékelőalkalmazatok esetén: A kapcsolási rajz kizárólag arra az érzékelőalkalmazatra érvényes, amelyre az érzékelőt felszerelték.
-----	Opcionális vezetékezés	_____	Kötelező vezetékezés	EN 54-2, DIBT stb.	Ha előírás a szabványnak való megfelelés, használja a megadott kábeleket.

2.4.3

Tápellátás és vezetékezés



Kiegészítő tápegység

	Tápellátás a központon keresztül A tápegység elkülönülhet az eszköztől.
	Tápellátás a központon keresztül / Külső tápegység Az eszköz tápellátását egy BCM-000-B biztosítja. Az eszközt süllyesztve kell a termék BCM-000-B-t tartalmazó házával felszerelni.
	A csatlakozást 4 vezeték biztosítja. Más esetben a csatlakozást 2 vezeték alkotja.
	A csatlakozást 2 vezeték biztosítja.
	Lásd a kapcsolási rajzot a kézikönyvben.
	Lásd a csatlakozó periférikus eszköz műszaki dokumentációját.

2.5 Ellenállási értékek

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

Szín	1. csík	2. csík	3. csík	4. csík (multiplikátor)	5. csík (tűrés)
Ezüst				10^{-2}	$\pm 10\%$
Arany				10^{-1}	$\pm 5\%$
Fekete		0	0	10^0	
Barna	1	1	1	10^1	$\pm 1\%$
Vörös	2	2	2	10^2	$\pm 2\%$
Narancssárga	3	3	3	10^3	$\pm 0.05\%$
Sárga	4	4	4	10^4	$\pm 0.02\%$
Zöld	5	5	5	10^5	$\pm 0.5\%$
Kék	6	6	6	10^6	$\pm 0.25\%$
Ibolya	7	7	7	10^7	$\pm 0.1\%$

Szín	1. csík	2. csík	3. csík	4. csík (multiplikátor)	5. csík (tűrés)
Szürke	8	8	8	10 ⁸	±0.01%
Fehér	9	9	9	10 ⁹	

A DIN EN 60062:2017 szabvány szerint

Narancssárga — fehér — fekete — barna — barna? 3,9 kOhm ellenállás 1%-os tűréssel,

Vörös — vörös — fekete — barna — barna: 2,2 k Ohm ellenállás 1%-os tűréssel.

3 Vezetékezés



FPP-5000 Power supply, oldal 19

DIBT, oldal 21

Funkcionális modulok, oldal 48

BCM-0000-B, oldal 49

CZM 0004 A, oldal 51

ENO 0000 A/B, oldal 55

LSN 0300 A, oldal 62

NZM 0002 A, oldal 97

RMH 0002 A, oldal 113

IOS 0020 A, oldal 116

FPE-5000-UGM, oldal 131

Interfész modulok, oldal 136

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

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

FLM-420-RLE-S, oldal 175

FLM-420-RLV1-E, oldal 176

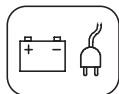
FLM-420-RLV8-S, oldal 177

EOL, oldal 180

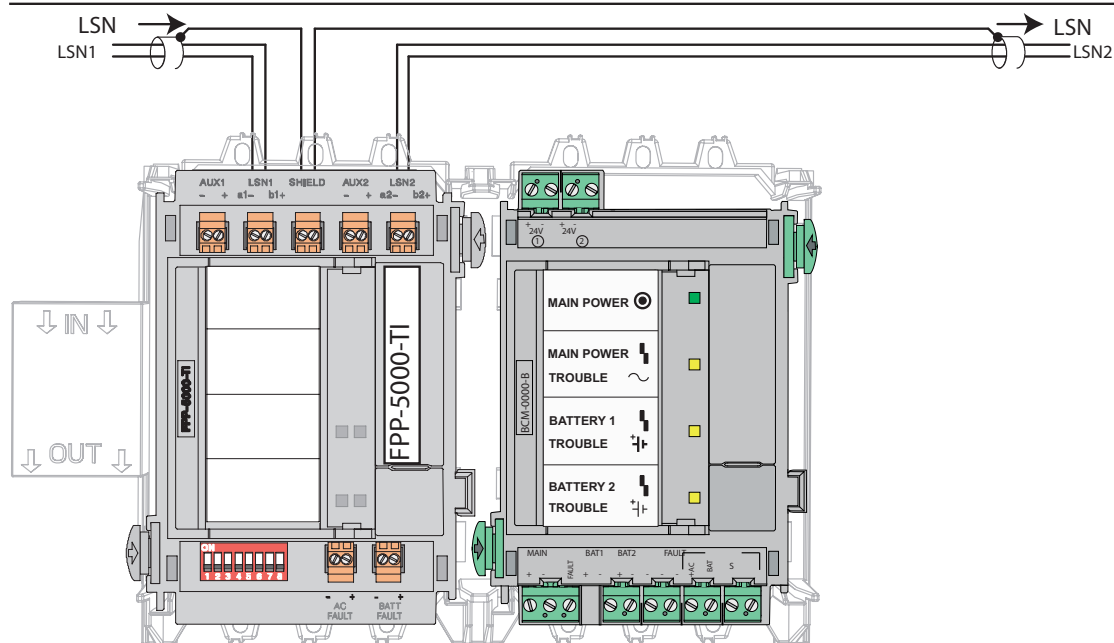
LSN 0300 A, oldal 181

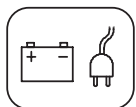
FLM-420/4-CON-S/D, oldal 223

3.1 FPP-5000 Power supply



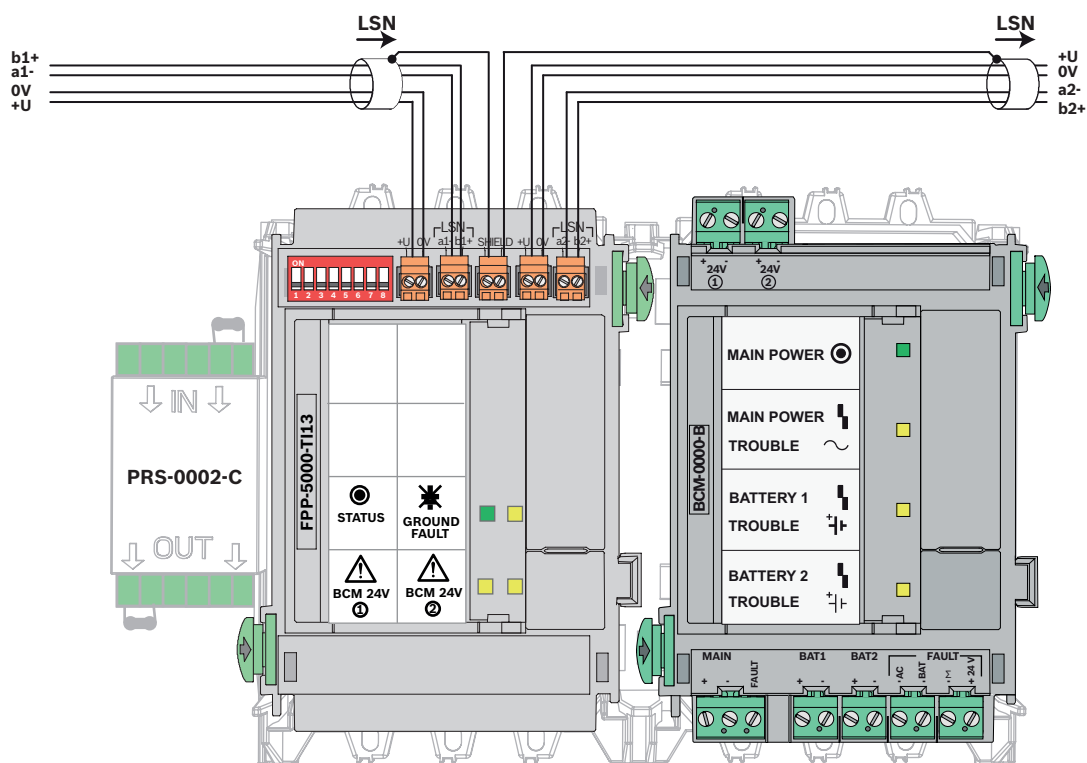
FPP-5000-TI





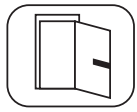
FPP-5000-Ti13

ELS VdS 2489



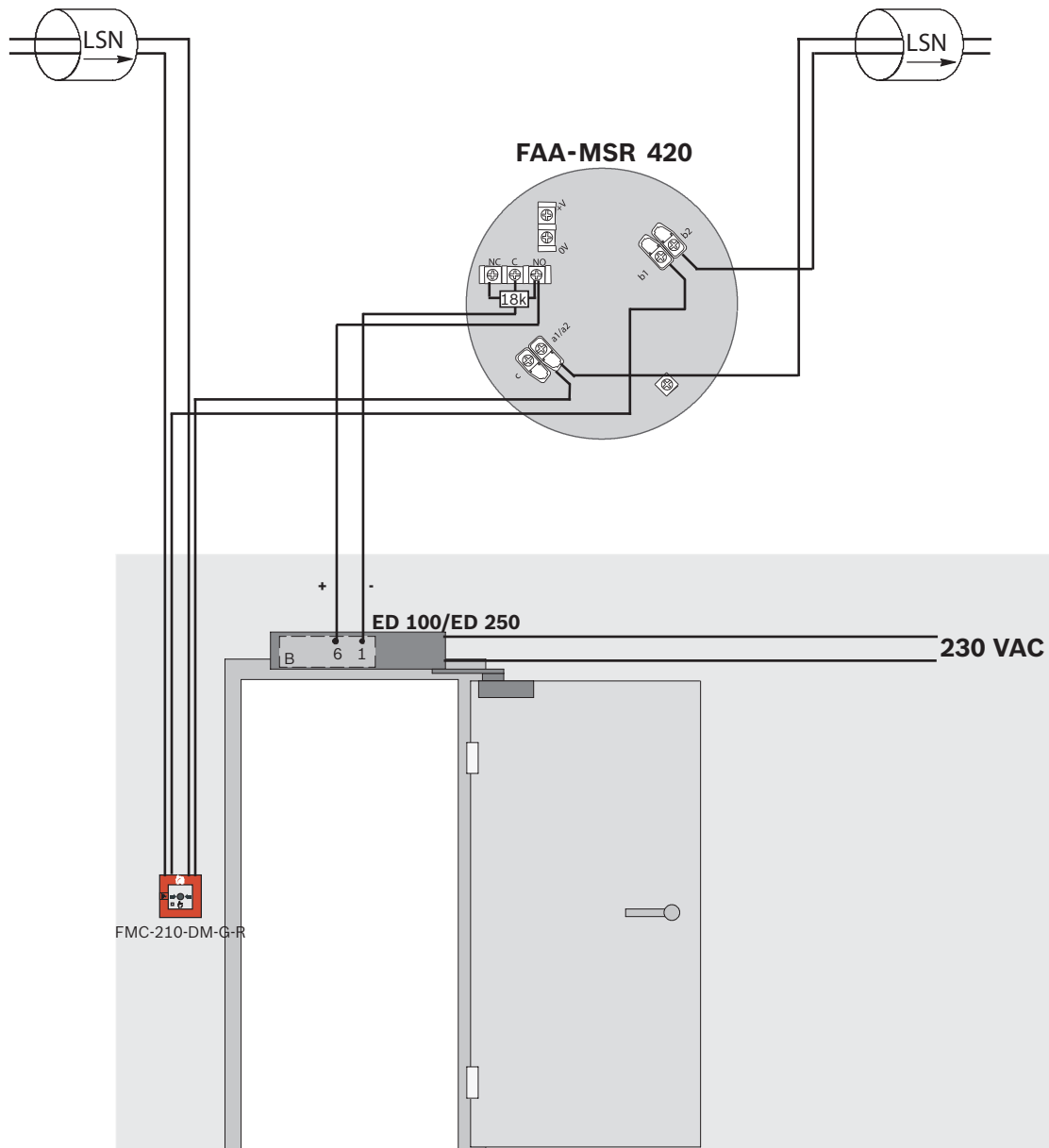
3.2

DIBT



ED 100
ED 250
(+Upgrade Card B)

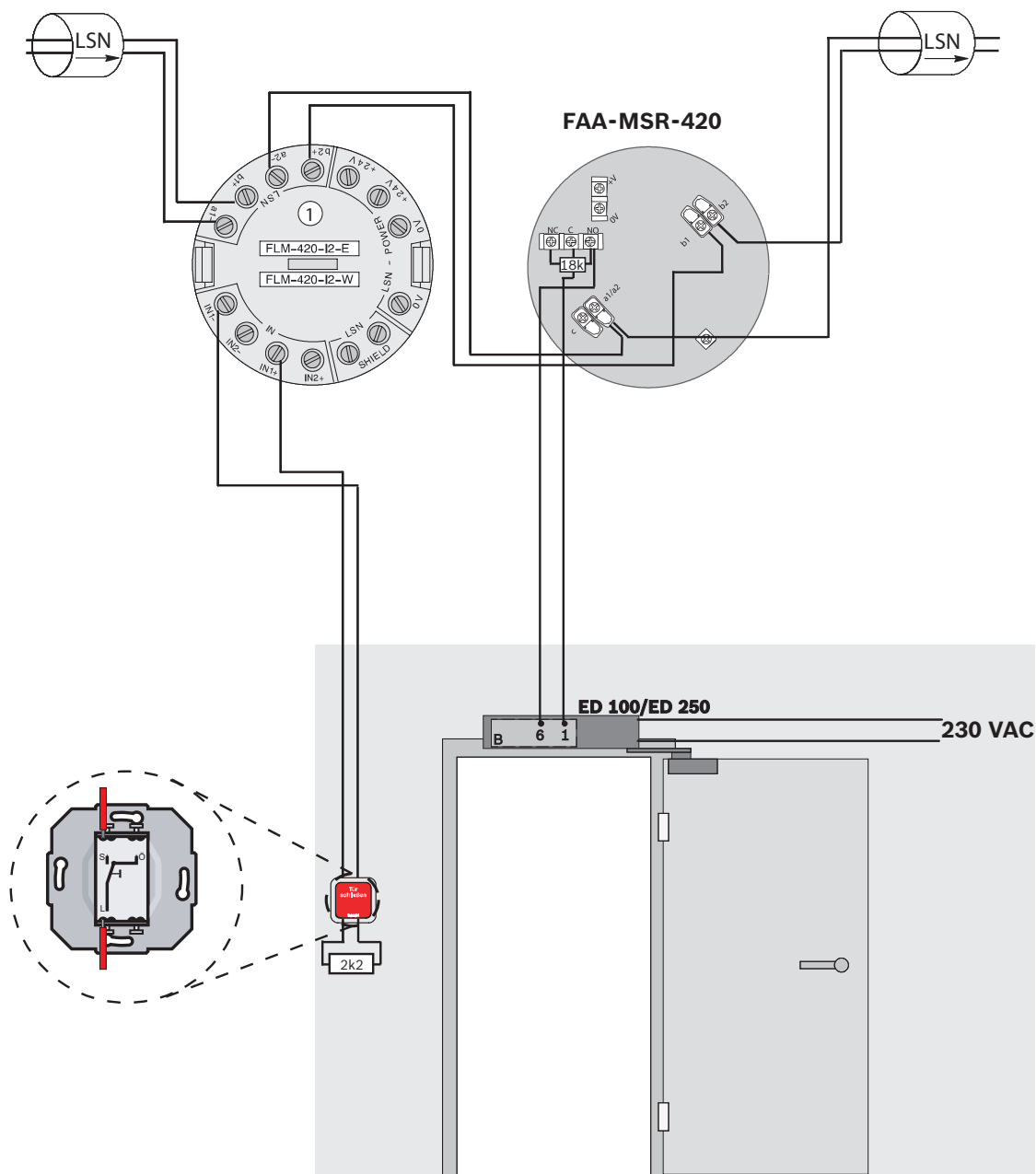
DIBT





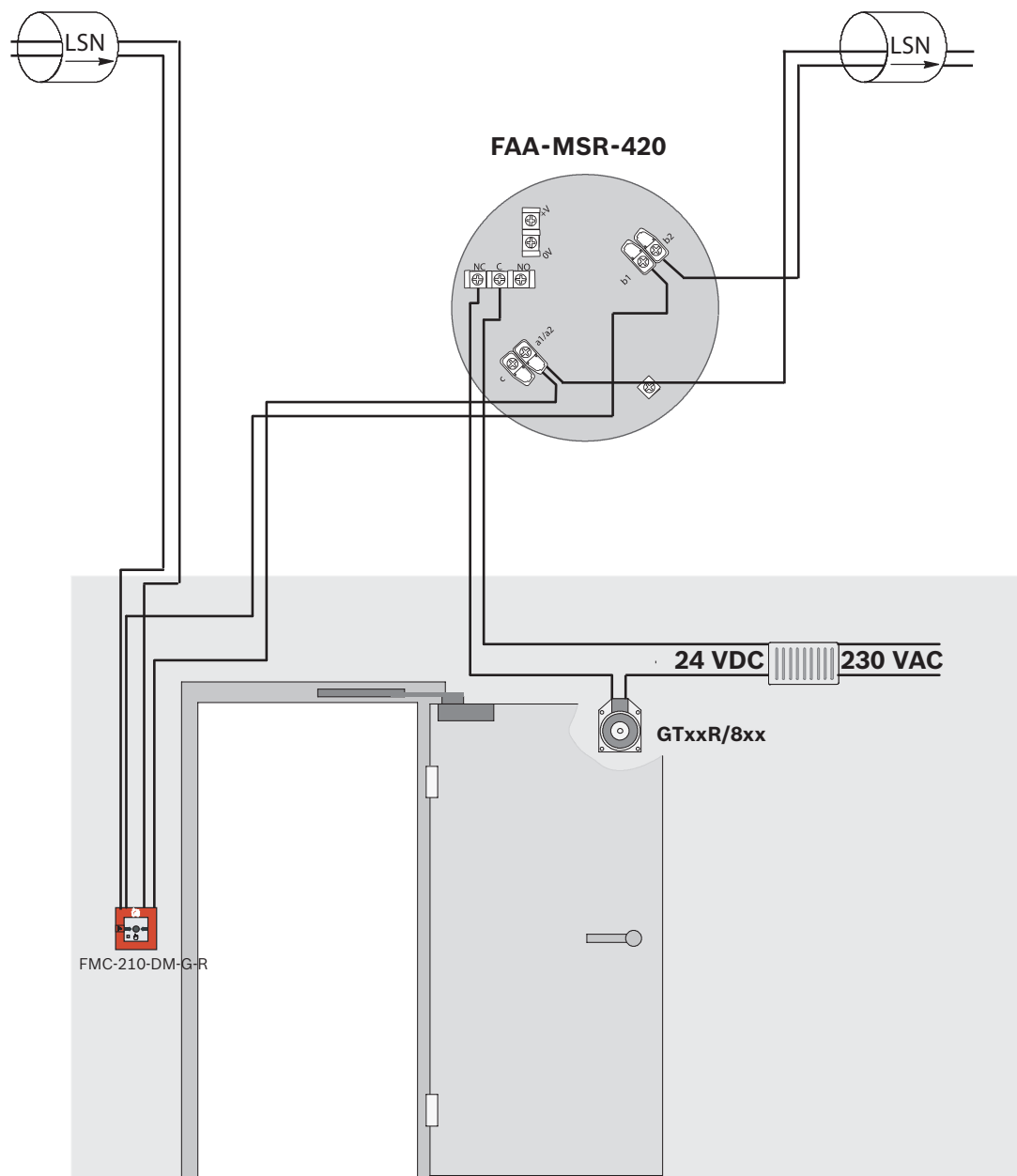
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ED 250
(+Upgrade Card B)**

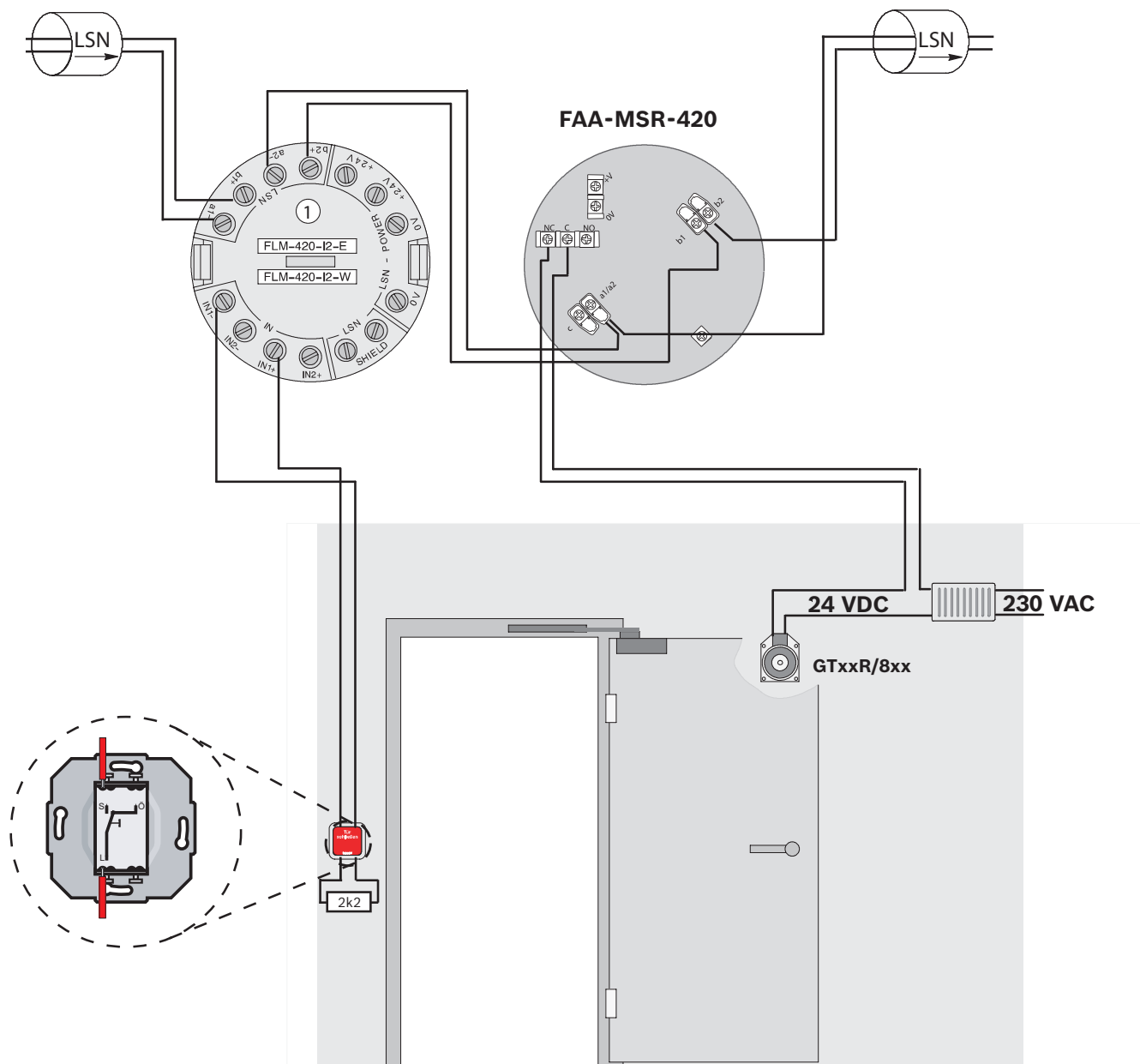
DIBT

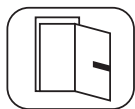




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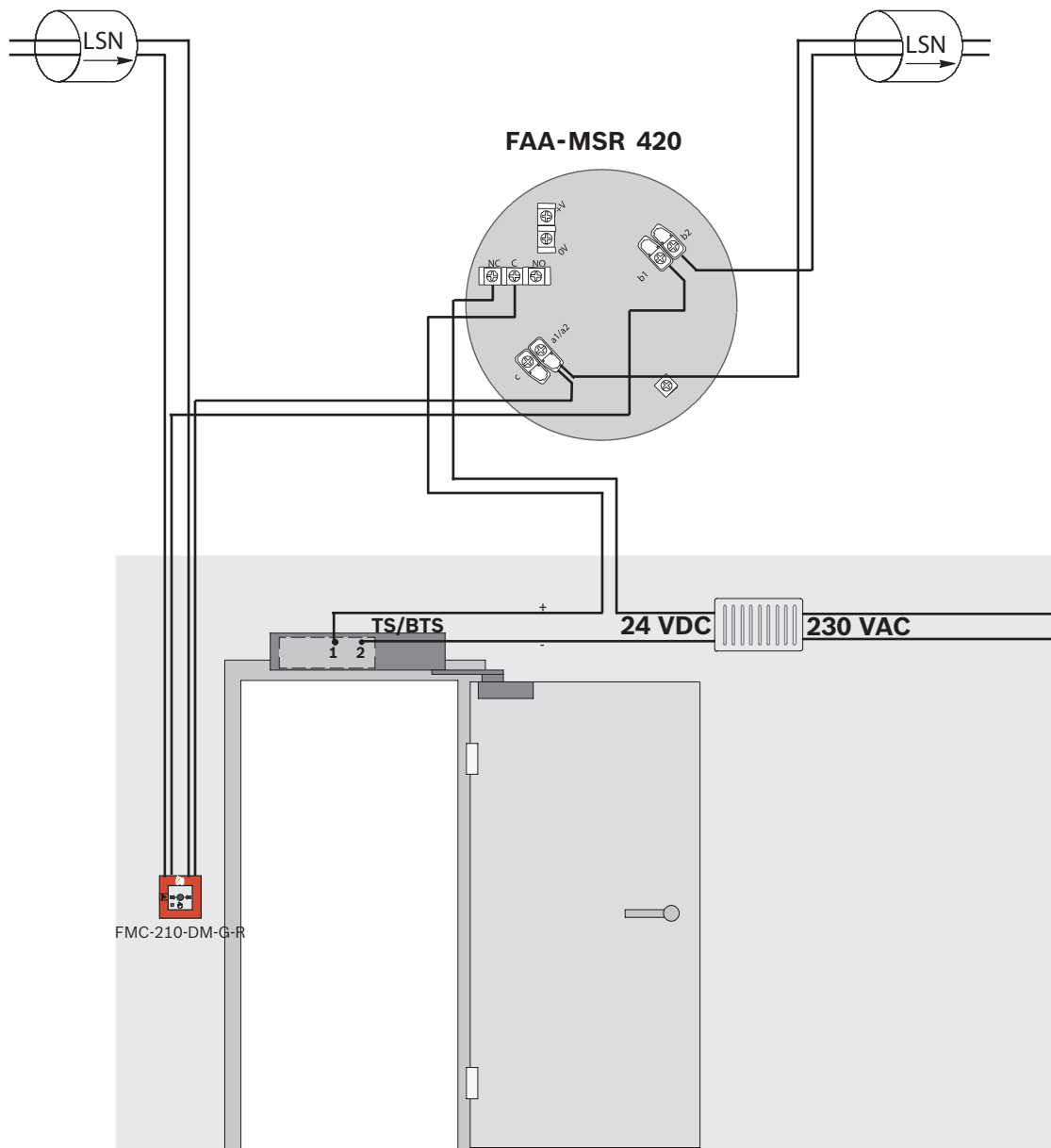


**DIBT**



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

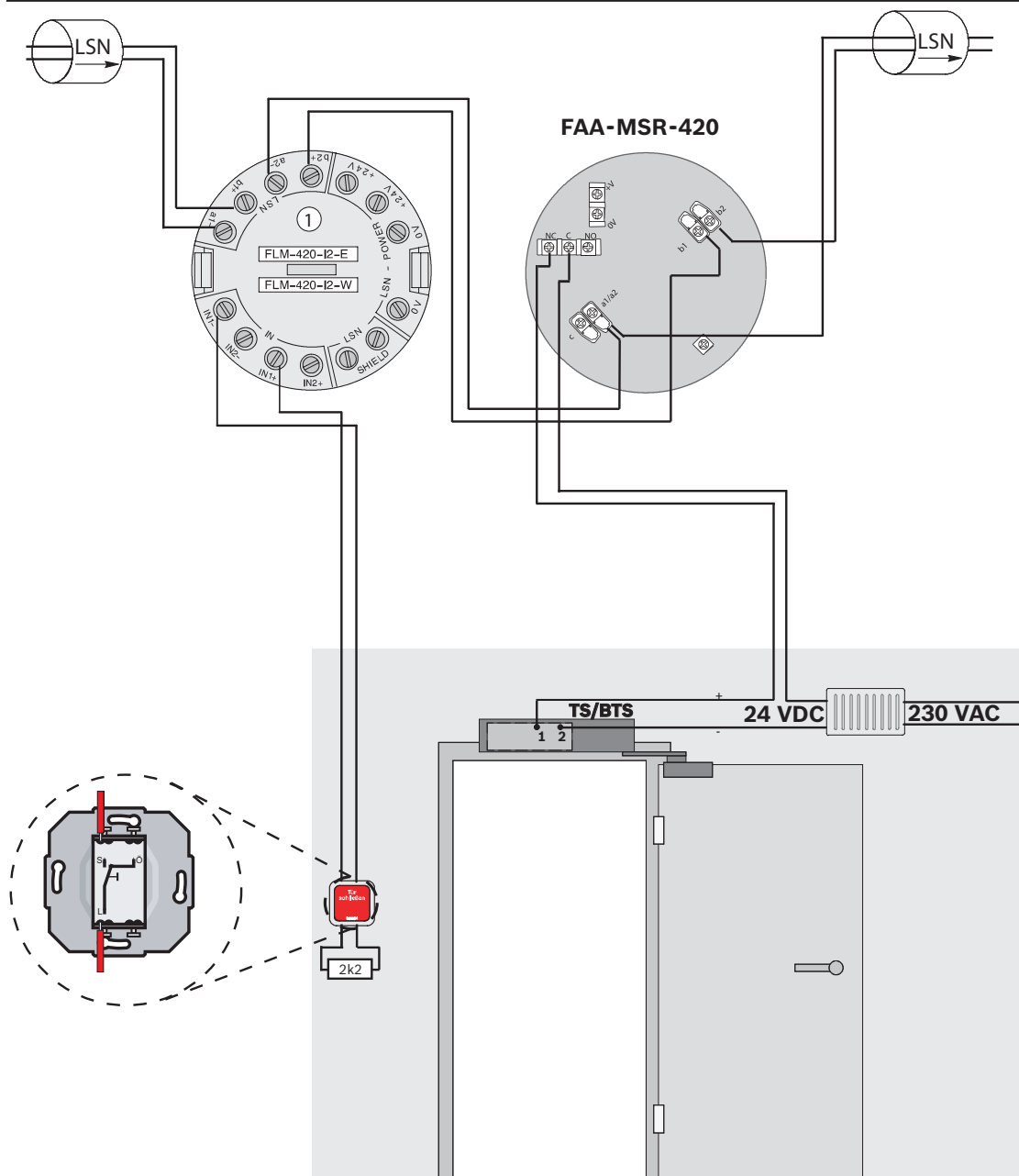
DIBT





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

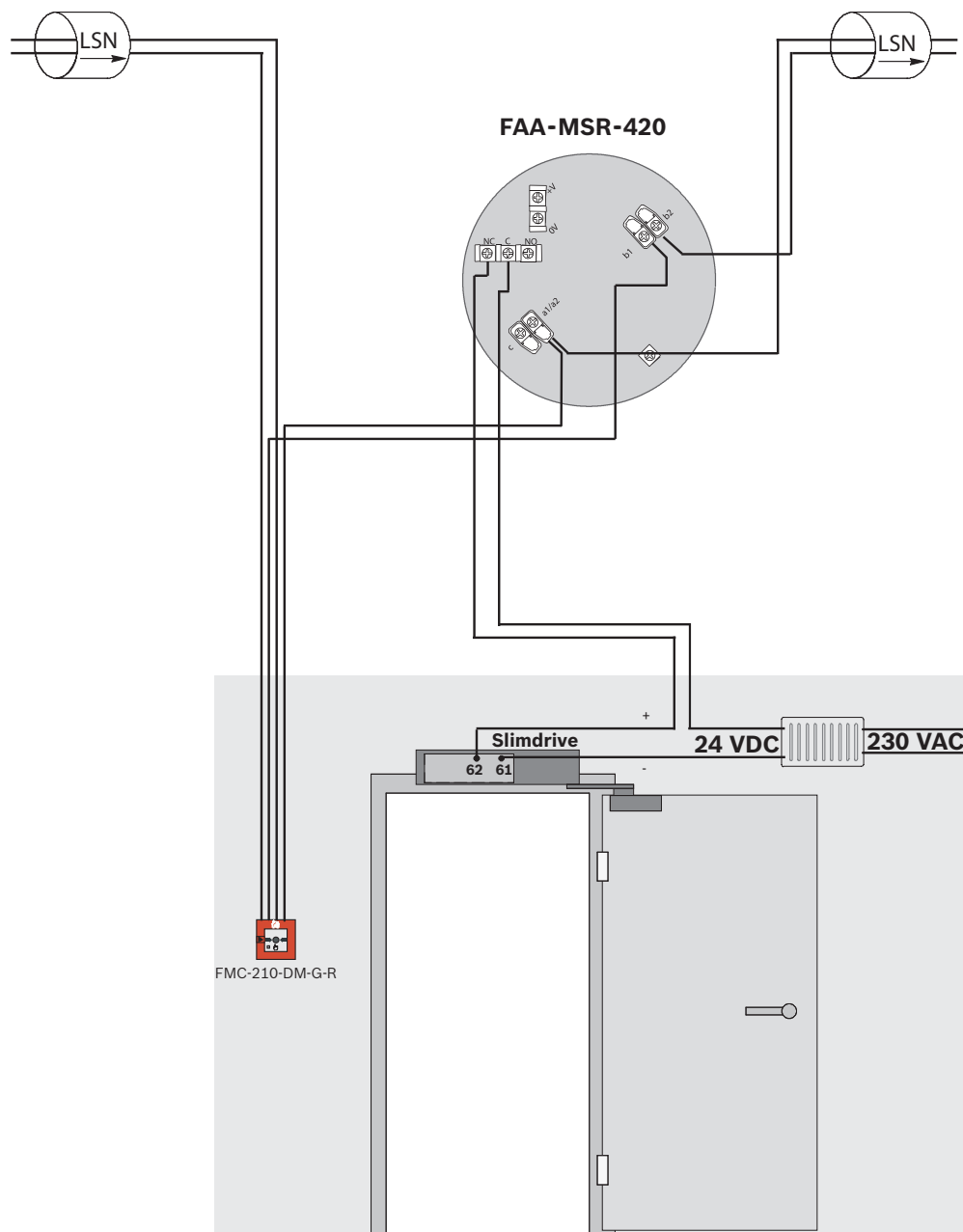
DIBT





Slimdrive EMD-F/EMD F-IS

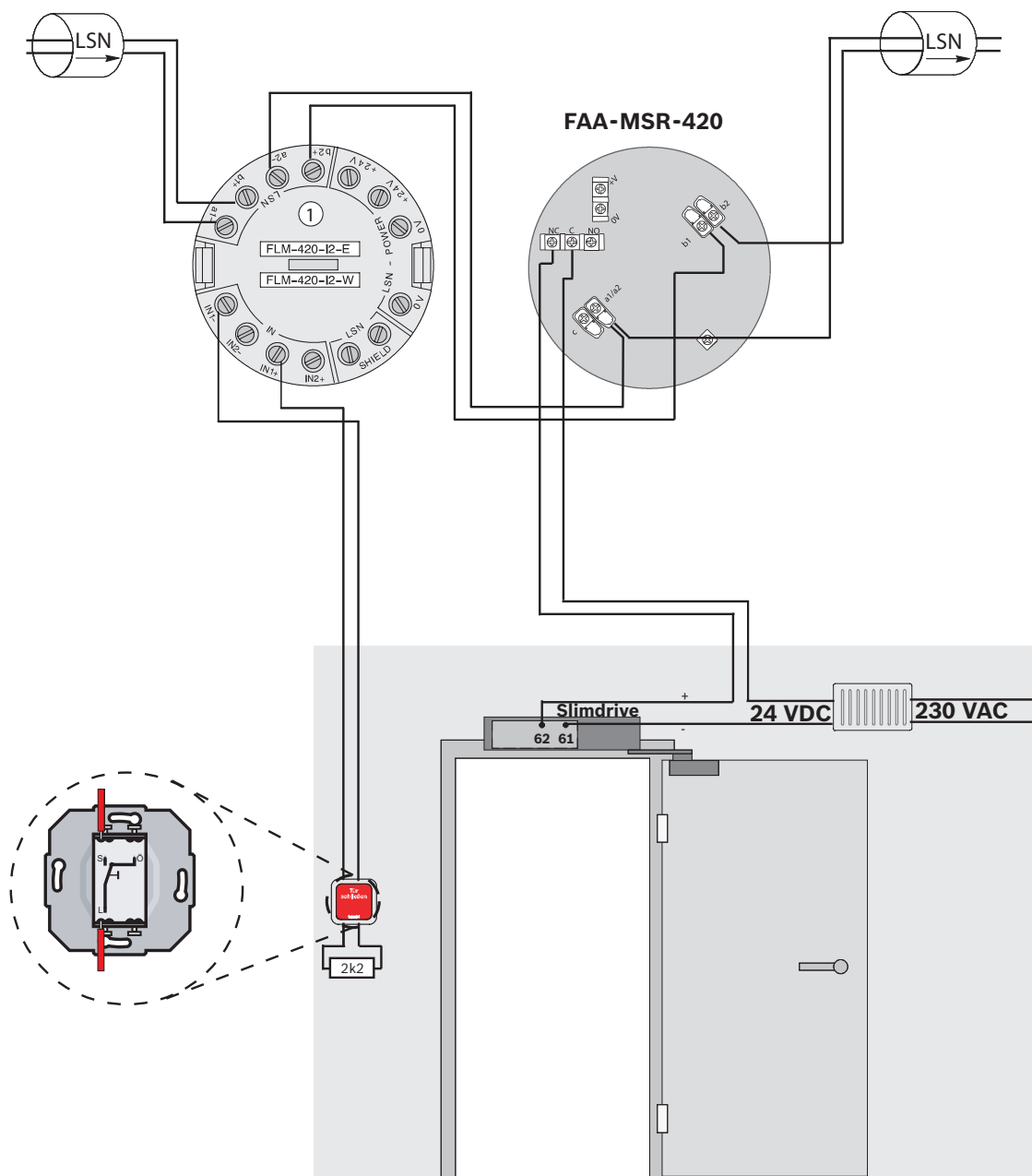
DIBT





Slimdrive EMD-F/EMD F-IS

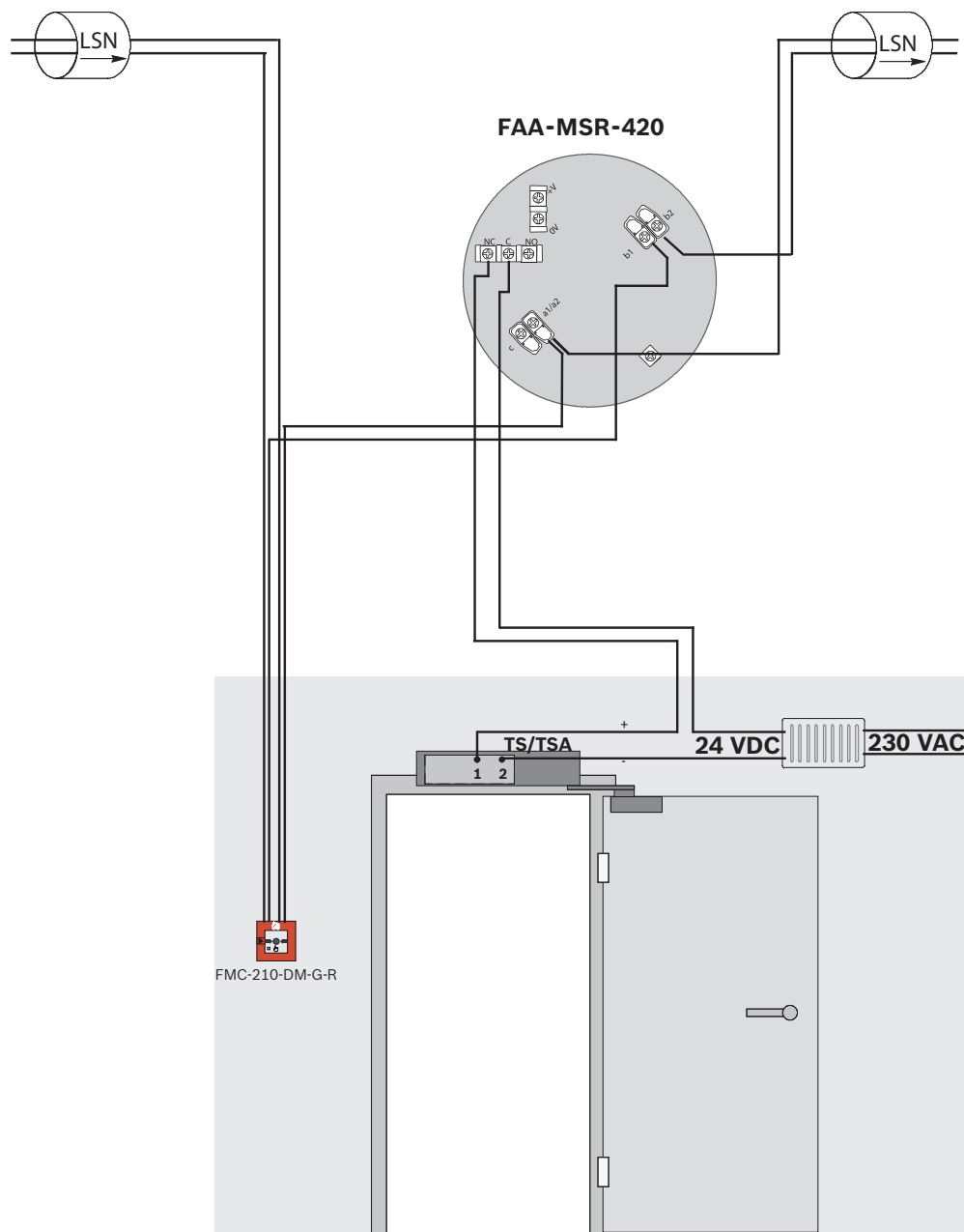
DIBT





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

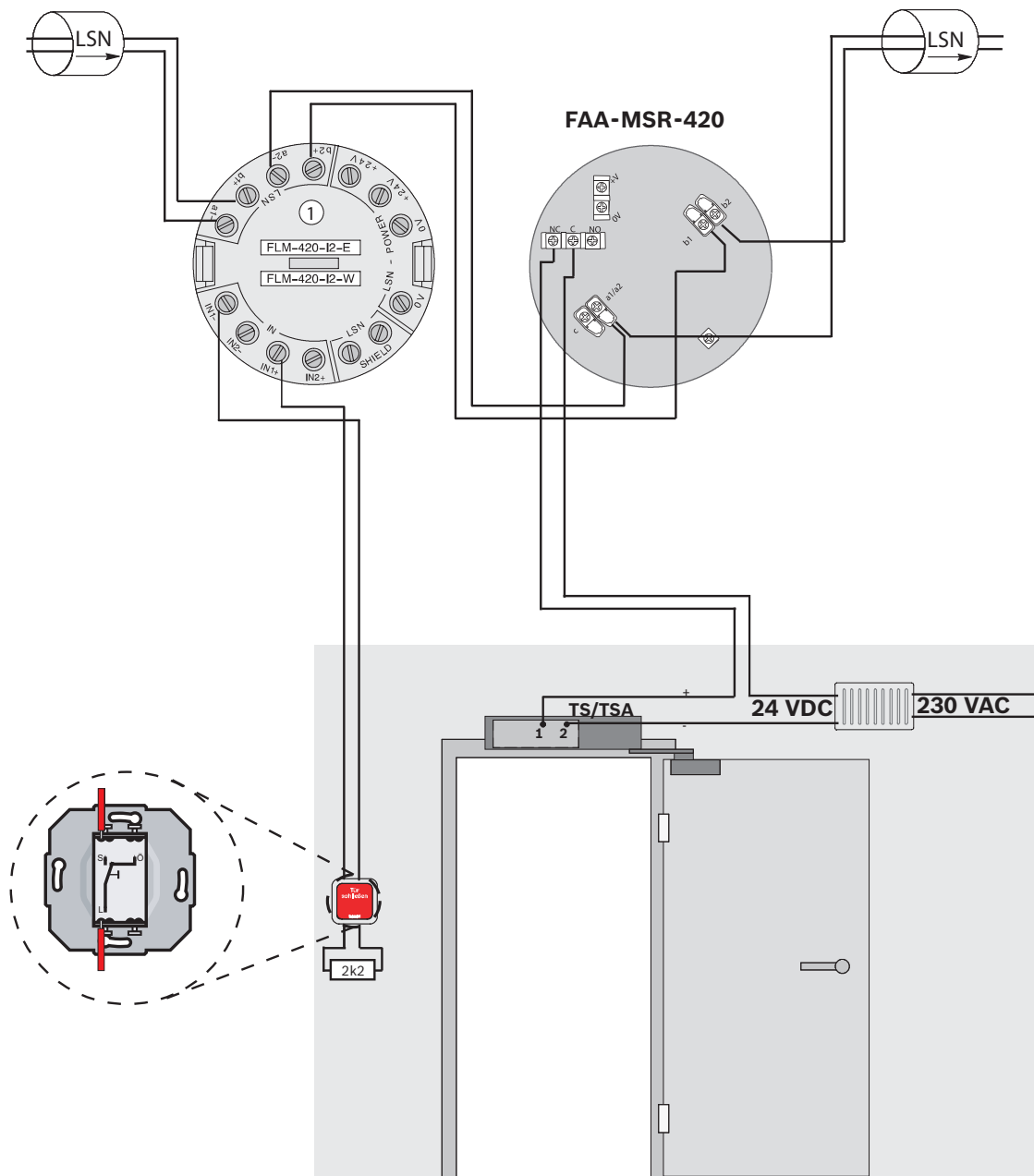
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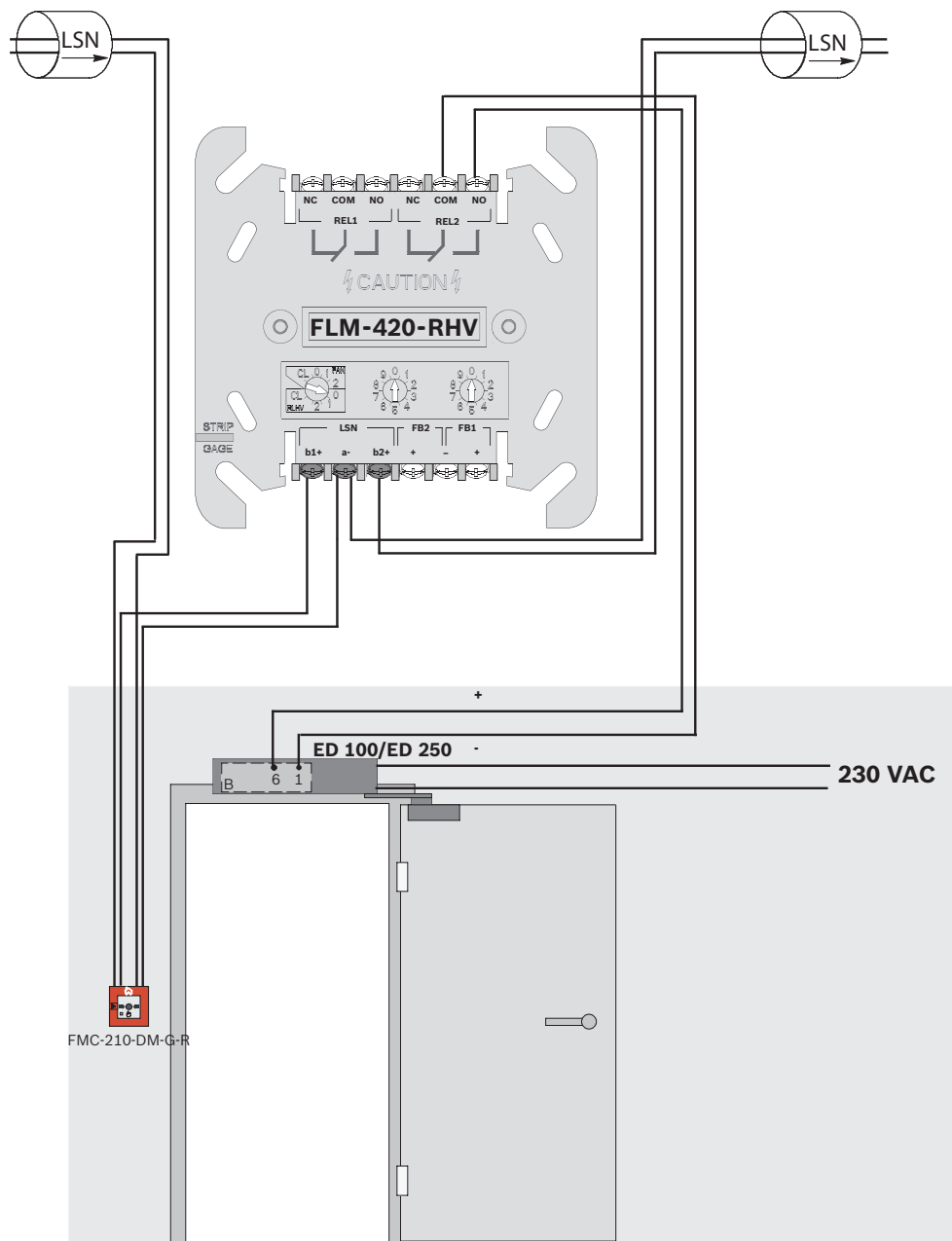
DIBT





ED 100
ED 250
(+Upgrade Card B

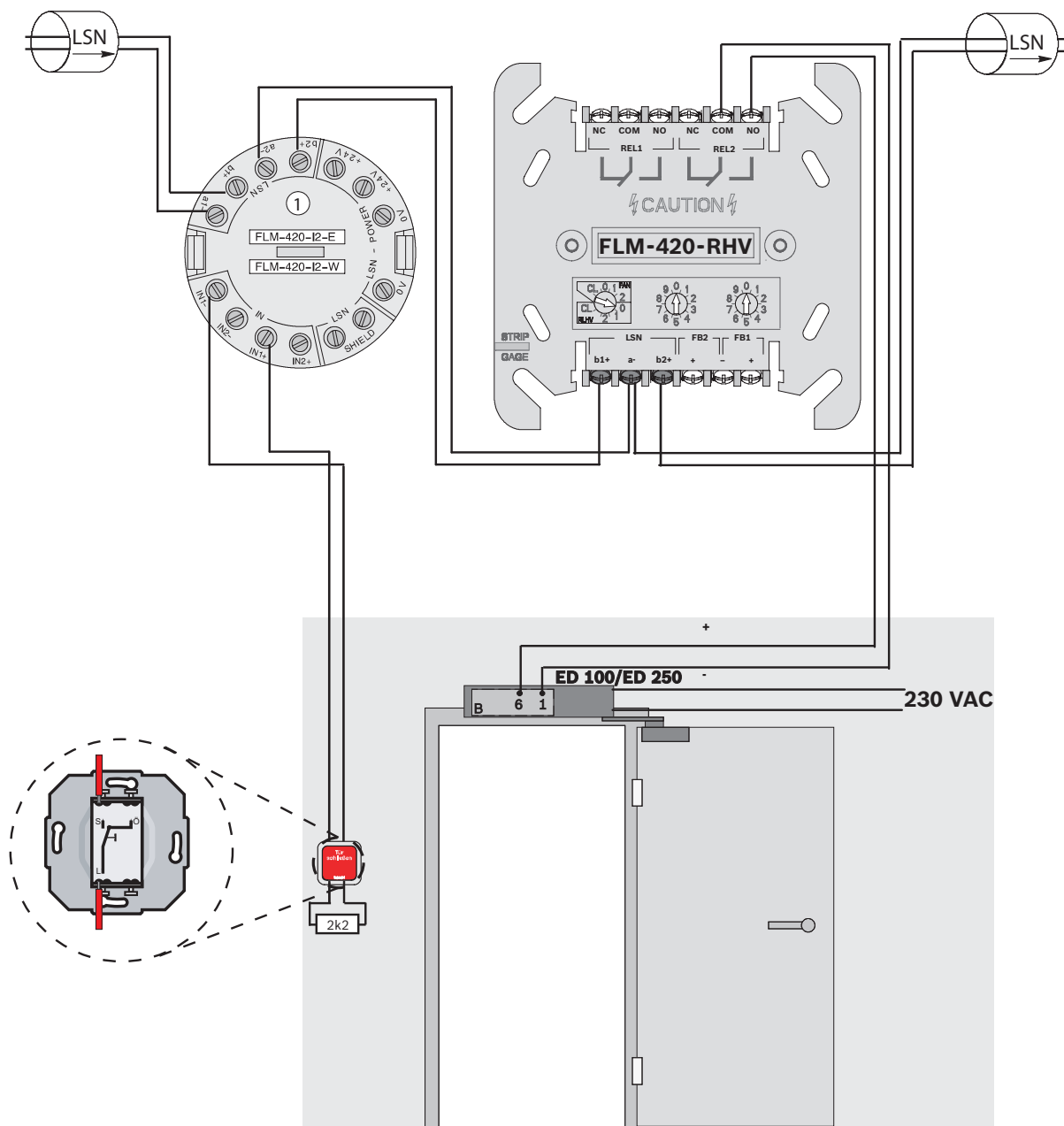
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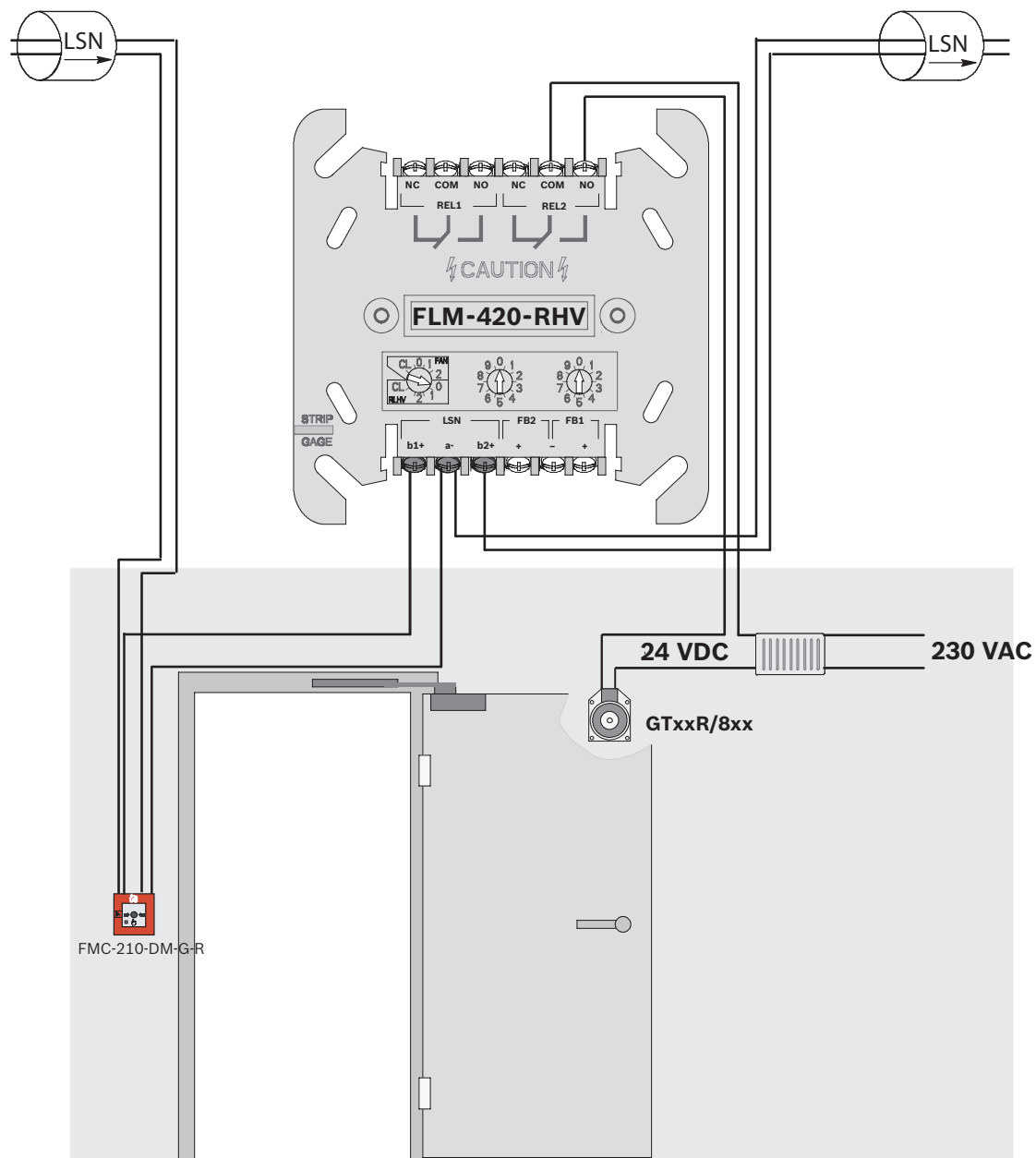
**ED 100
ED 250
(+Upgrade Card B)**

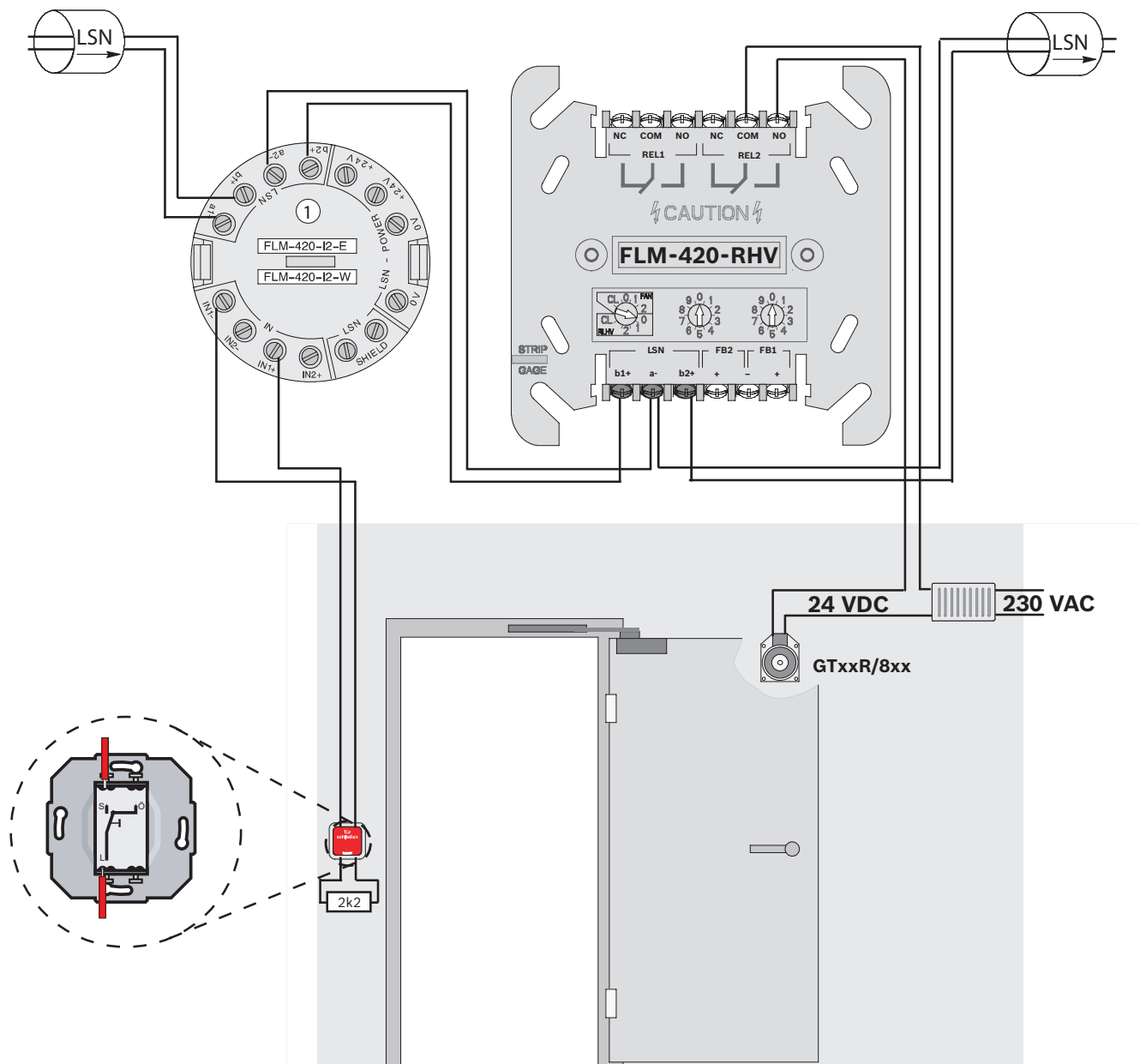
DIBT





DIBT

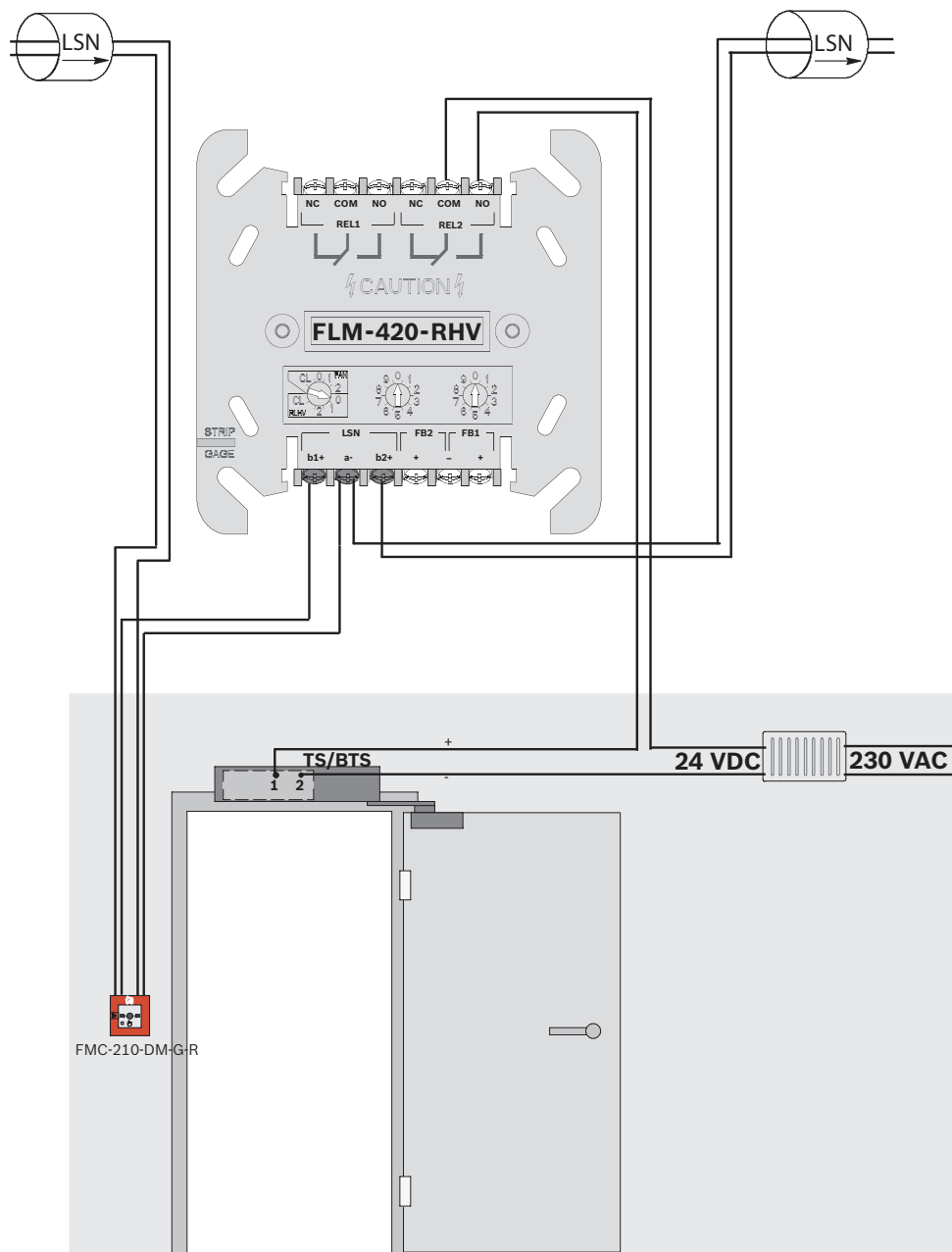


**DIBT**



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

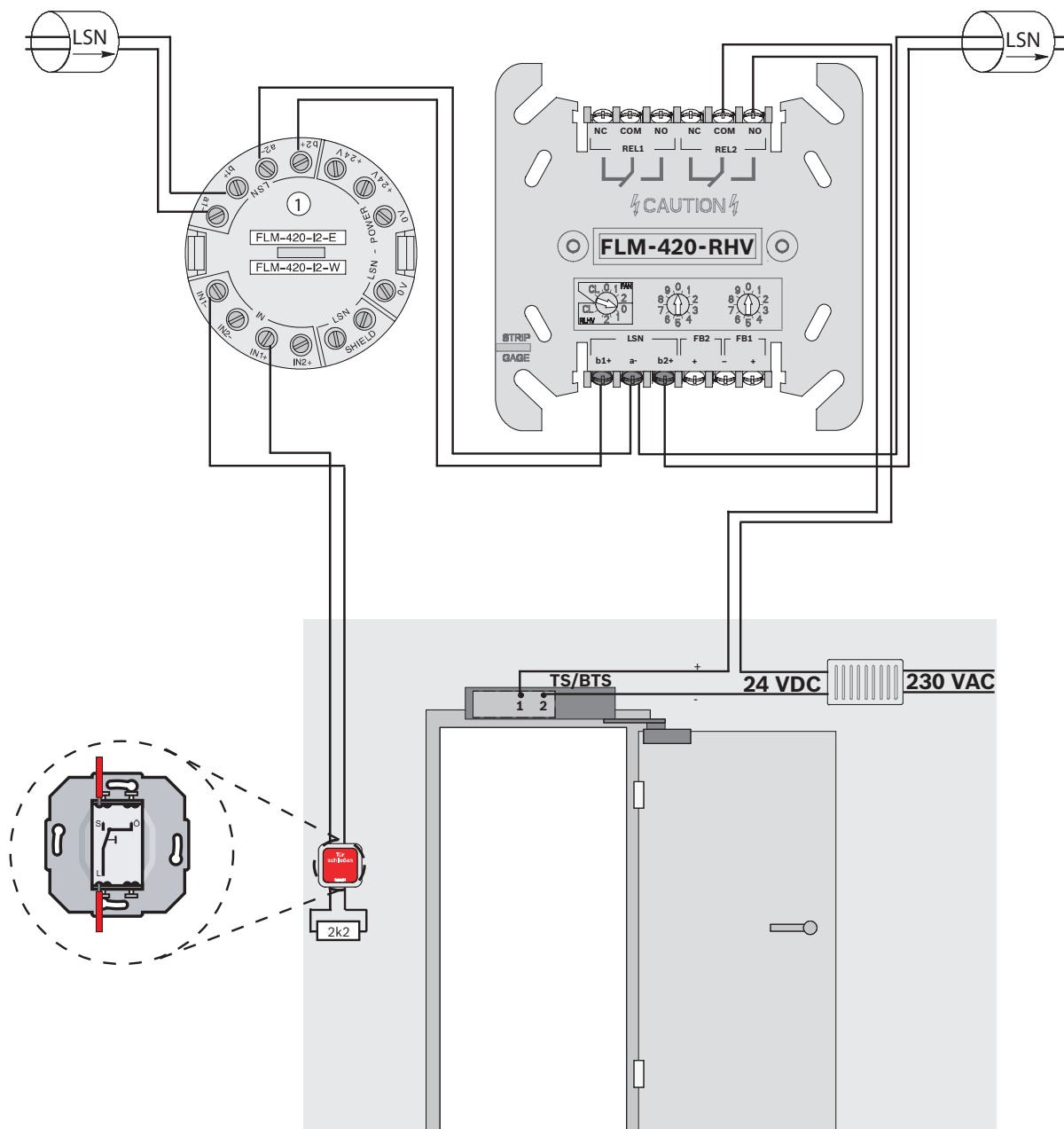
DIBT





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TS 93 EMF
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BTS 80 EMB
BTS 80 FLB

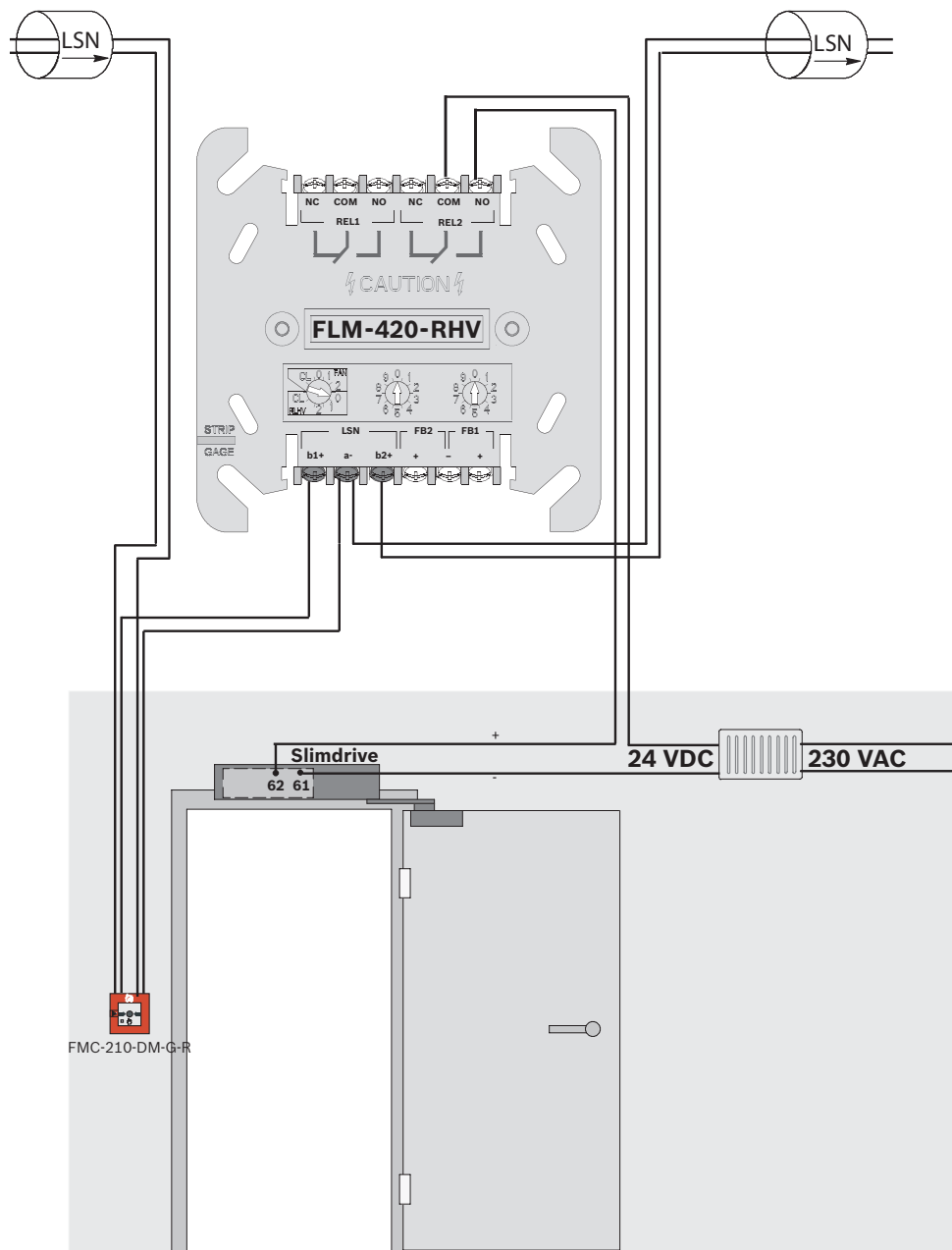
DIBT





Slimdrive EMD-F/EMD F-IS

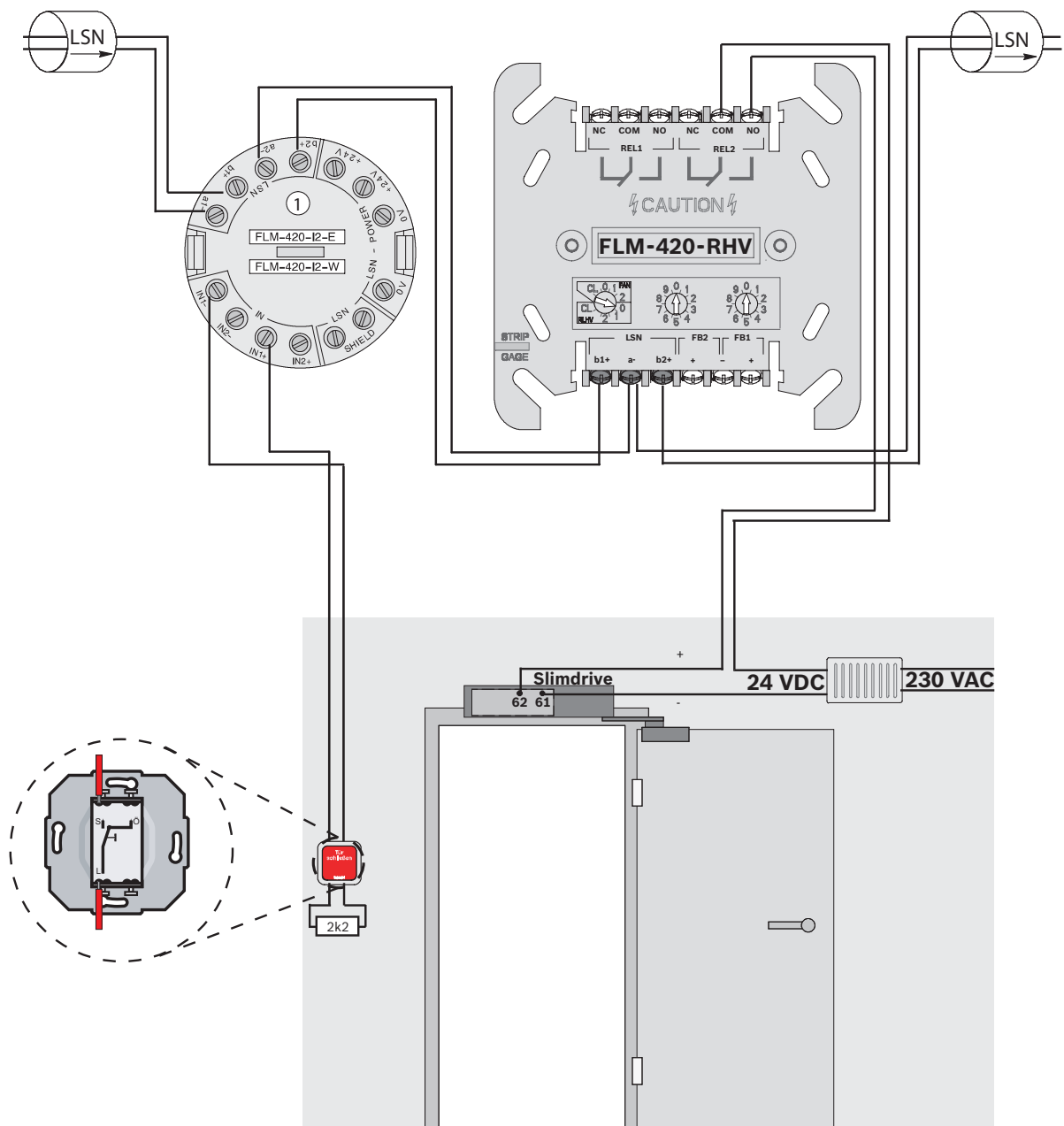
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Slimdrive EMD-F/EMD F-IS

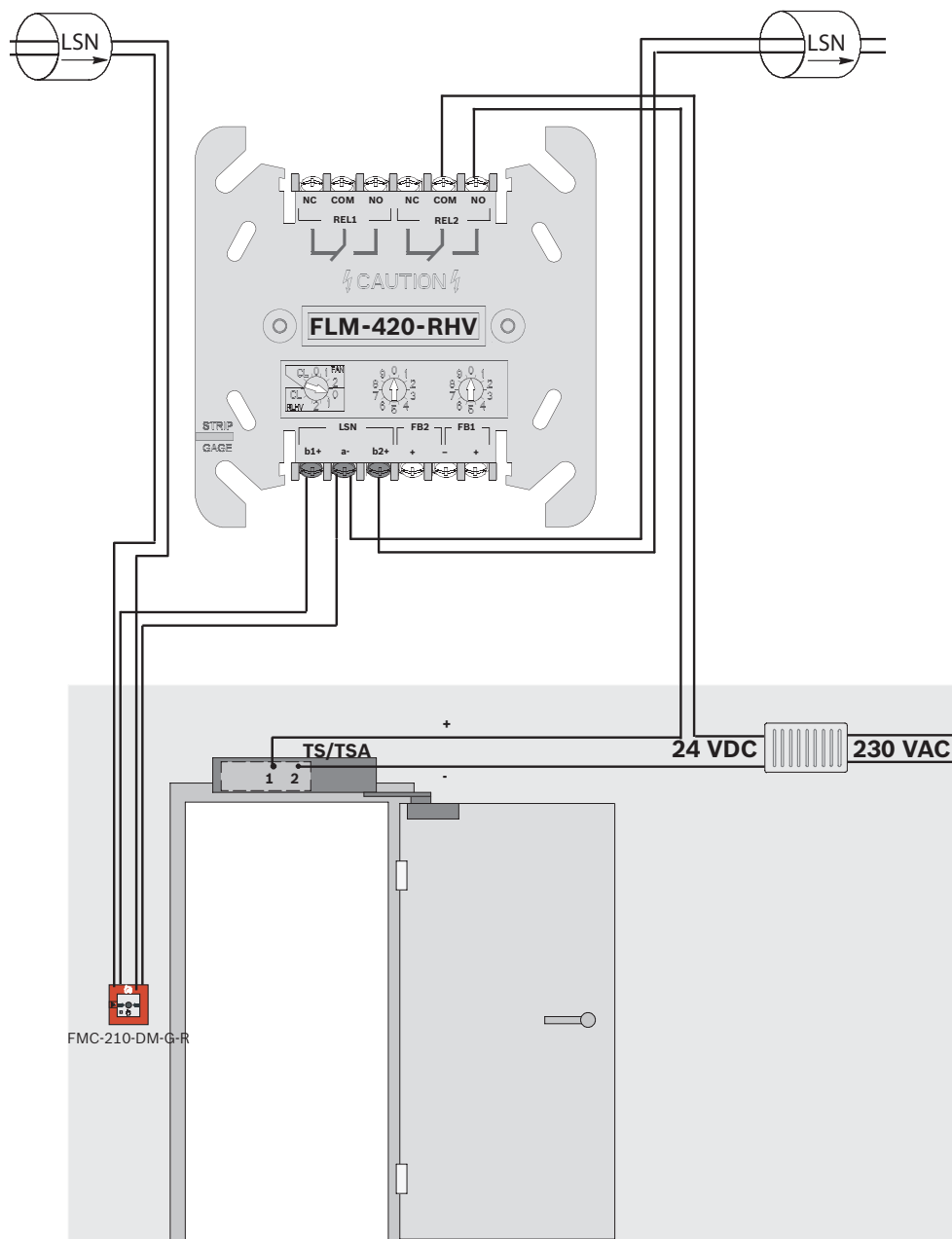
DIBT





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

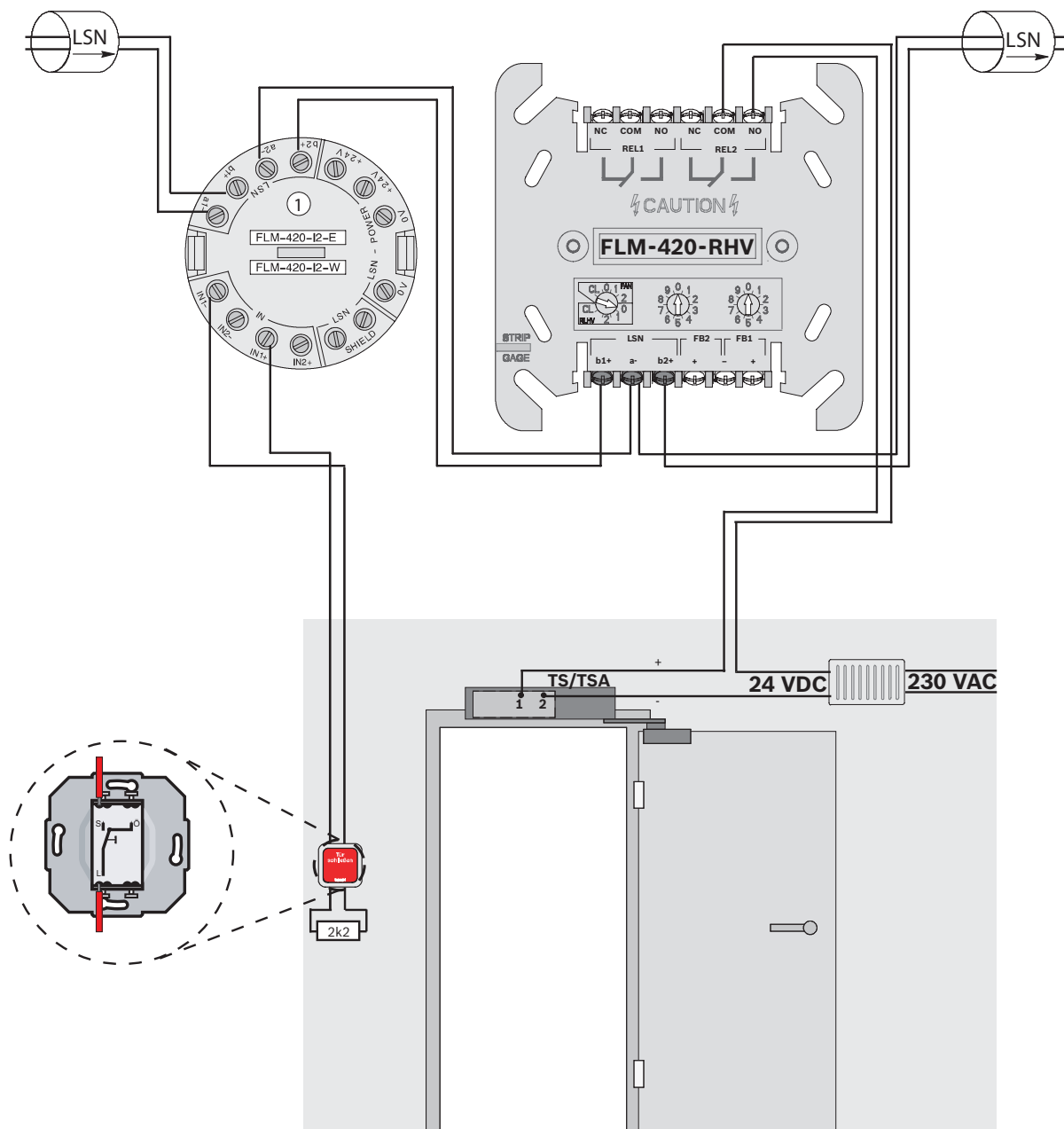
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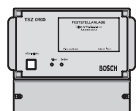




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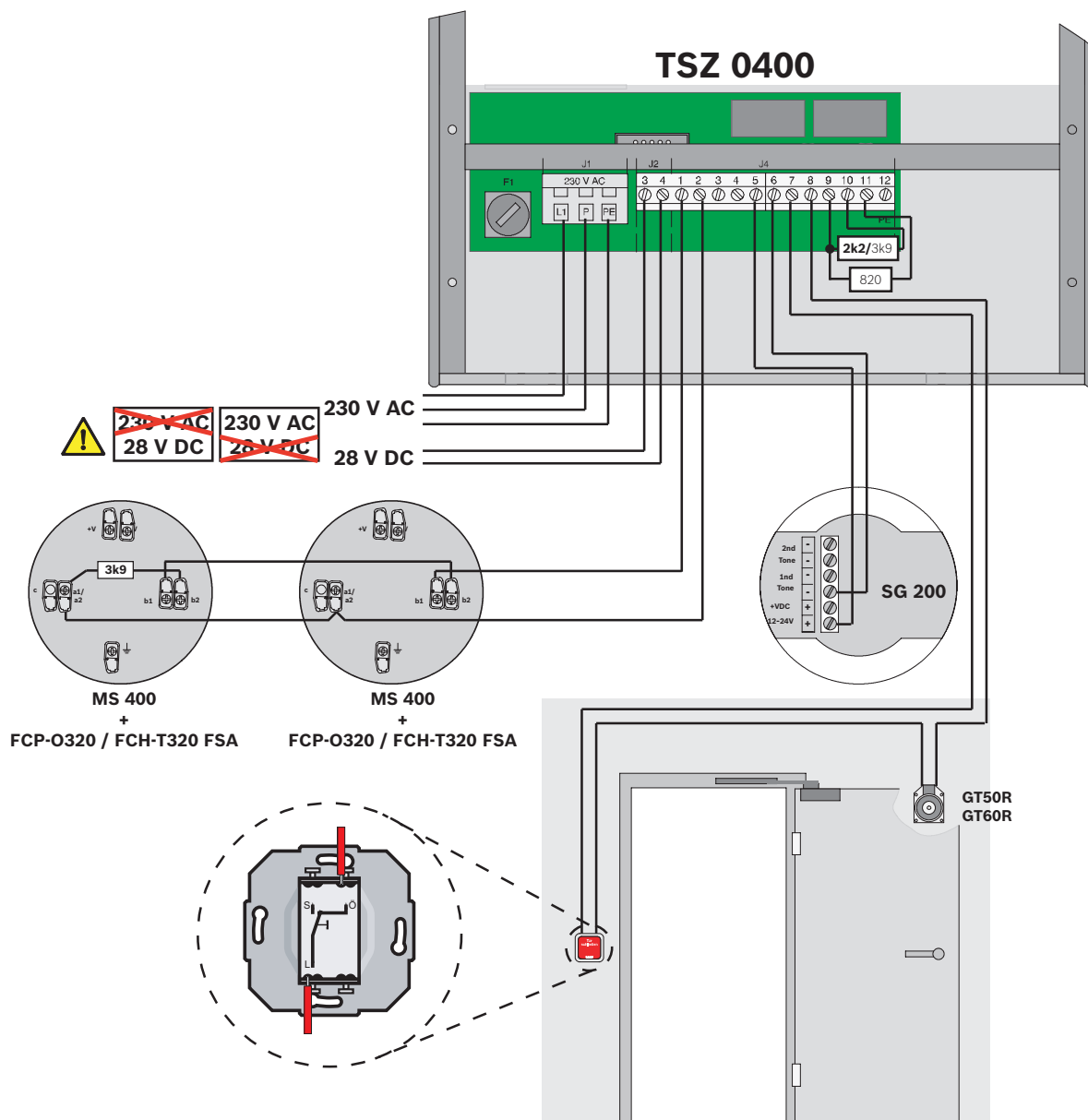
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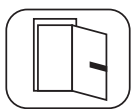




TSZ 0400

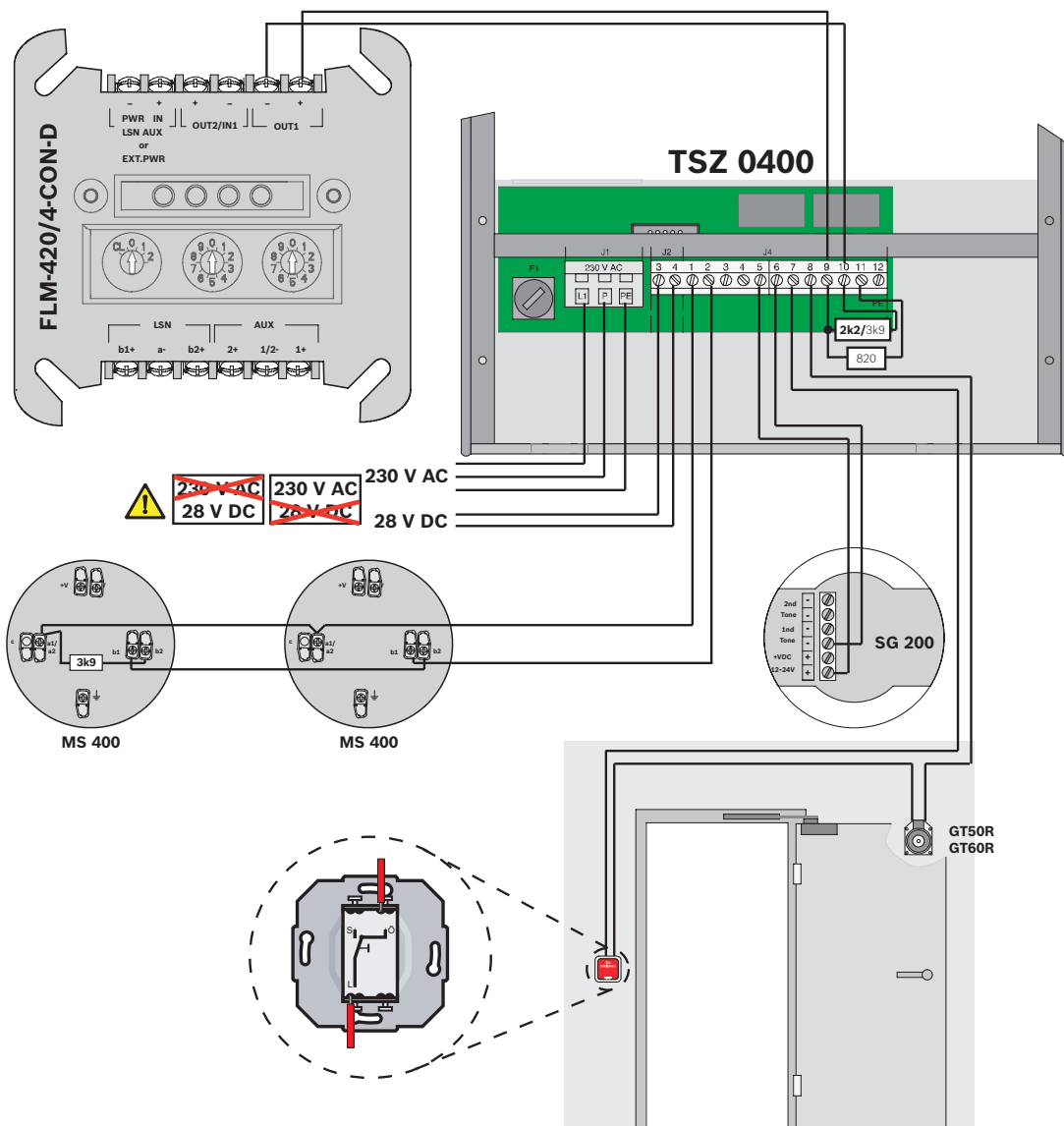
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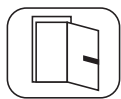




TSZ 0400

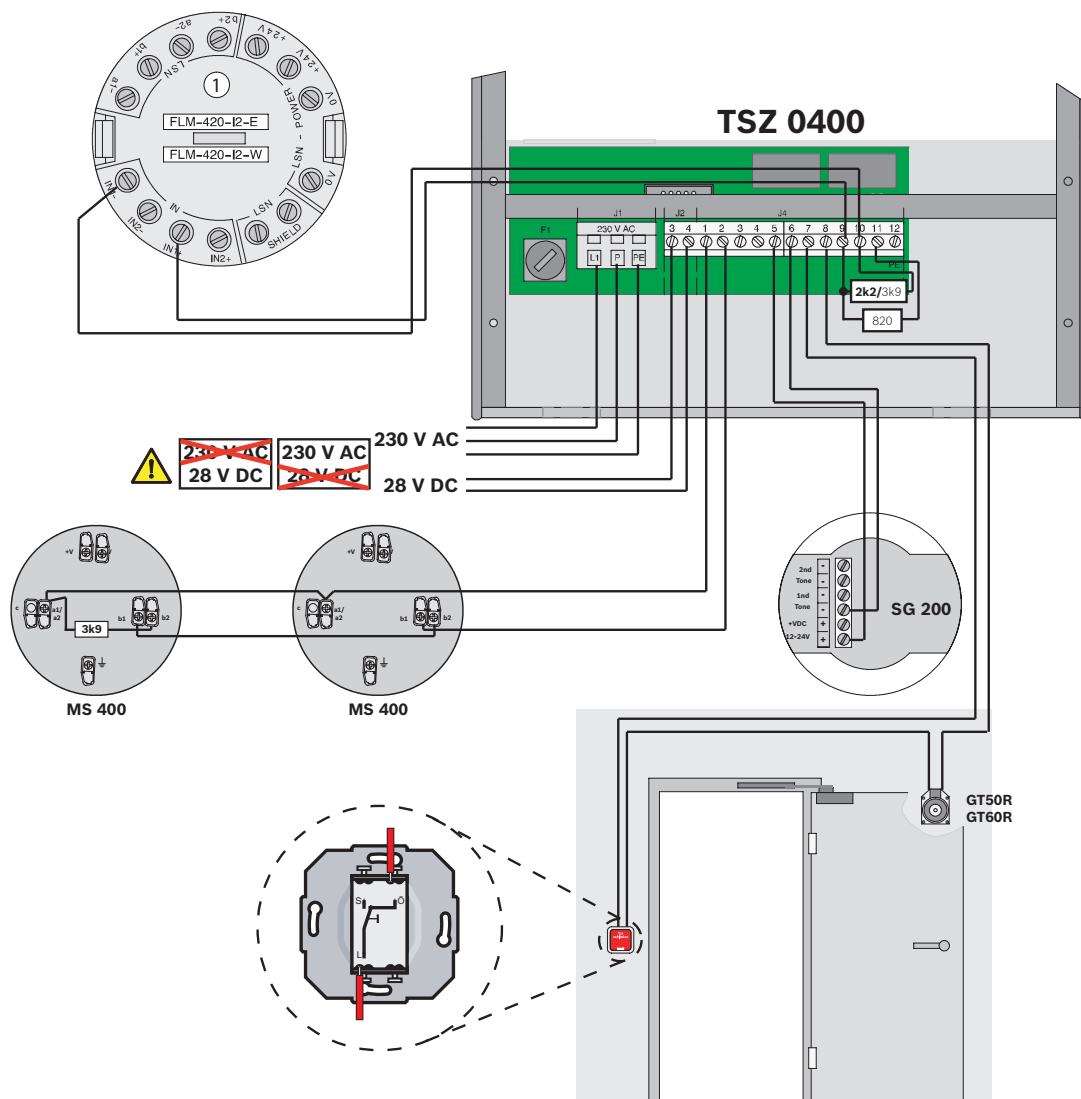
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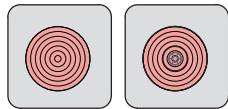




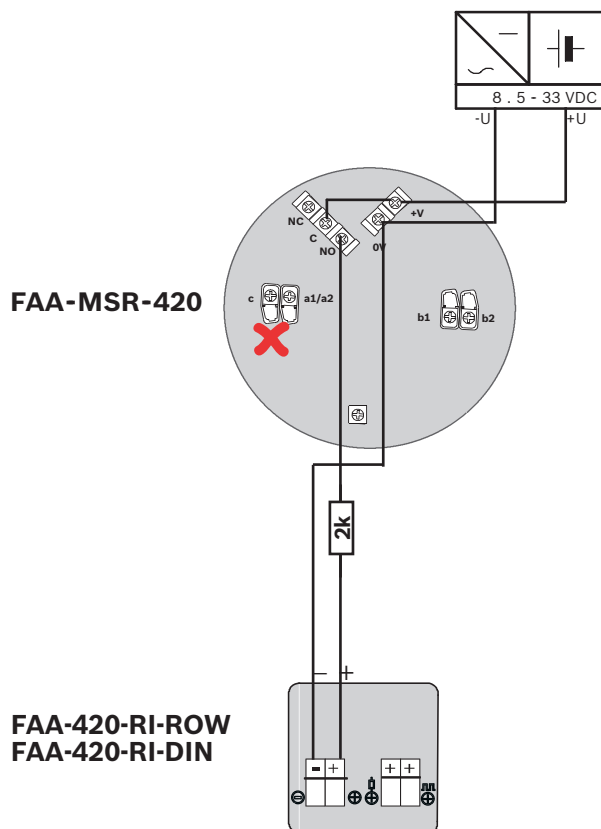
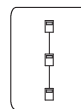
TSZ 0400

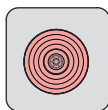
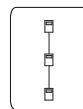
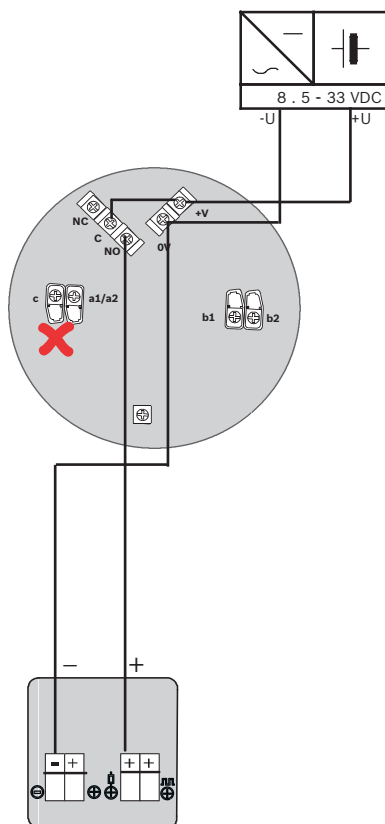
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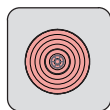
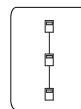
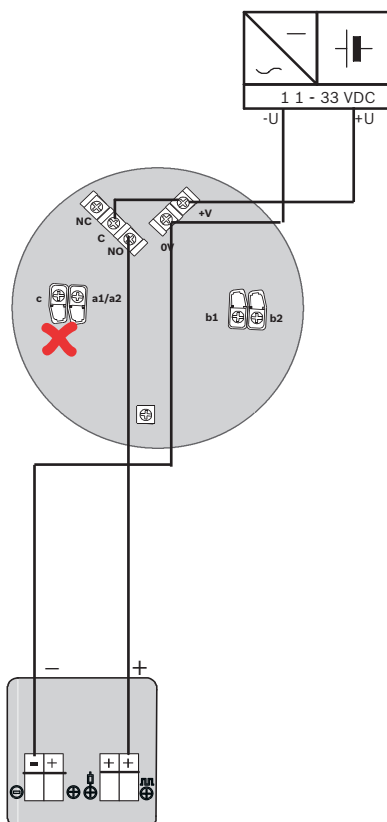




FAA-420-RI-ROW
FAA-420-RI-DIN




FAA-420-RI-DIN

FAA-MSR-420

FAA-420-RI-DIN


FAA-420-RI-DIN

FAA-MSR-420


3.3 Funkcionális modulok



BCM-0000-B, oldal 49

CZM 0004 A, oldal 51

ENO 0000 A/B, oldal 55

LSN 0300 A, oldal 62

NZM 0002 A, oldal 97

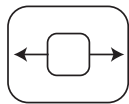
RMH 0002 A, oldal 113

IOS 0020 A, oldal 116

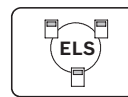
FPE-5000-UGM, oldal 131

3.3.1

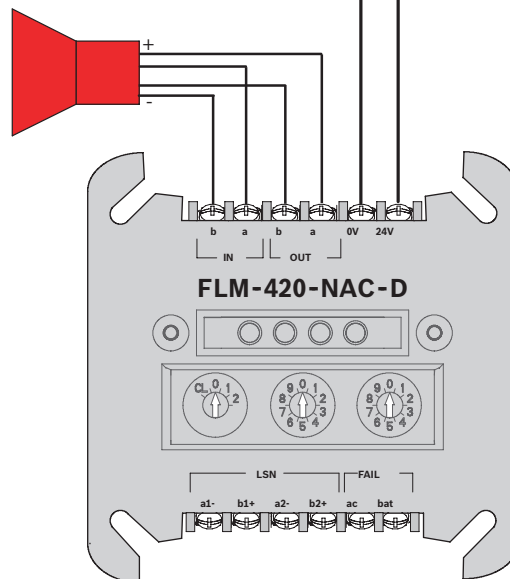
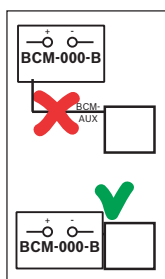
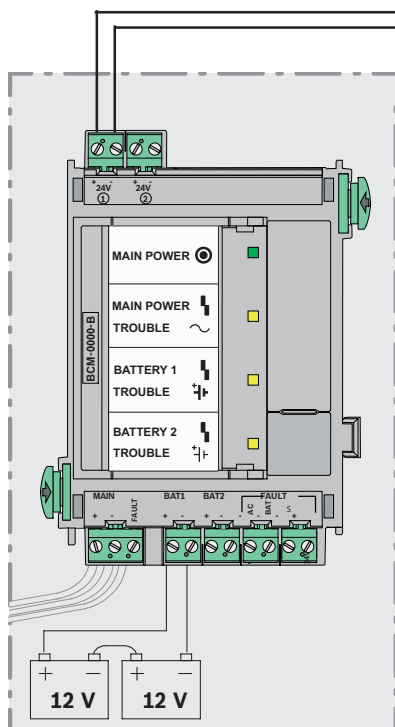
BCM-0000-B

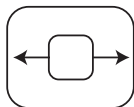


FLM-420-NAC-D

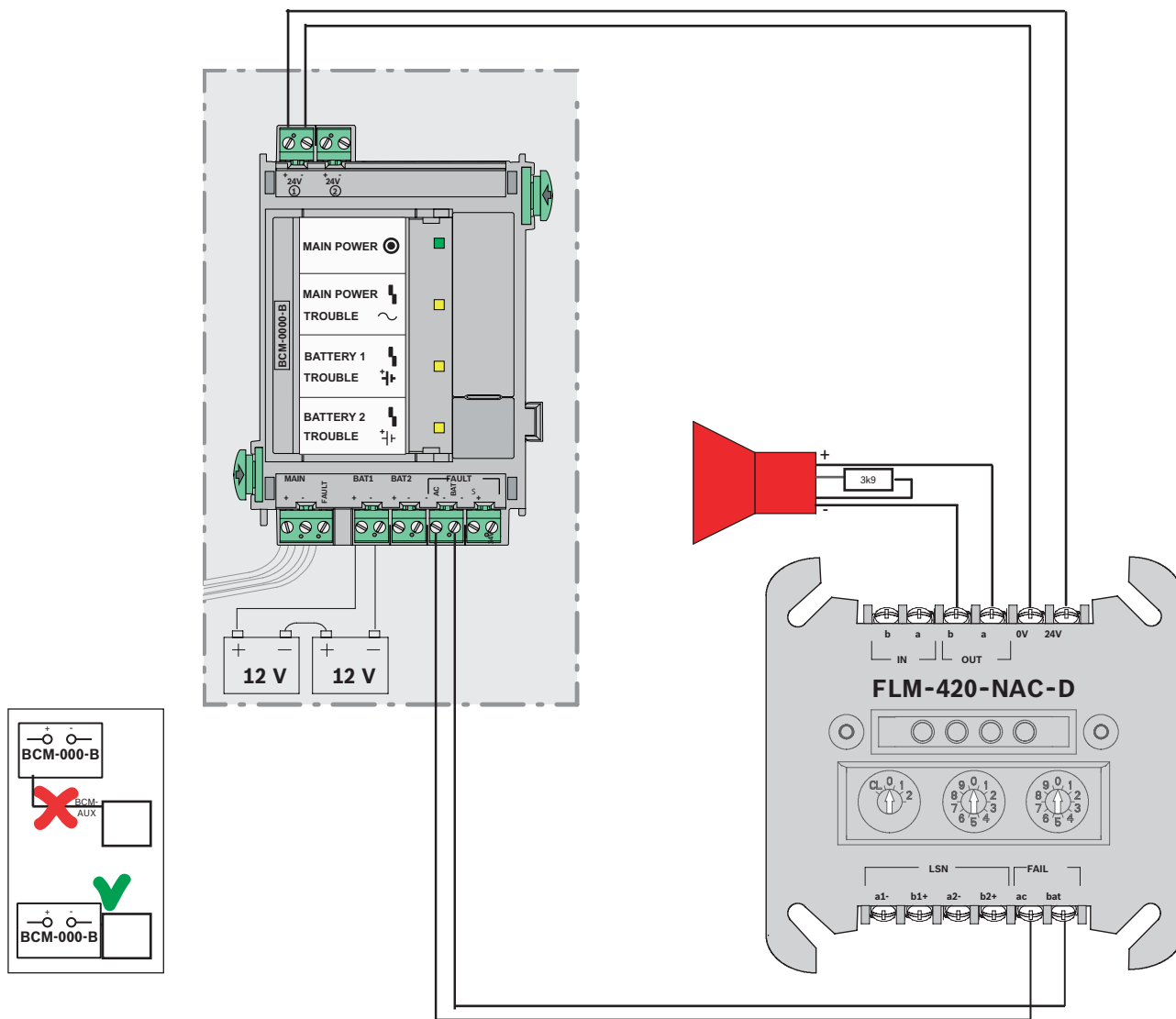
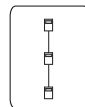


VdS 2489





FLM-420-NAC-D

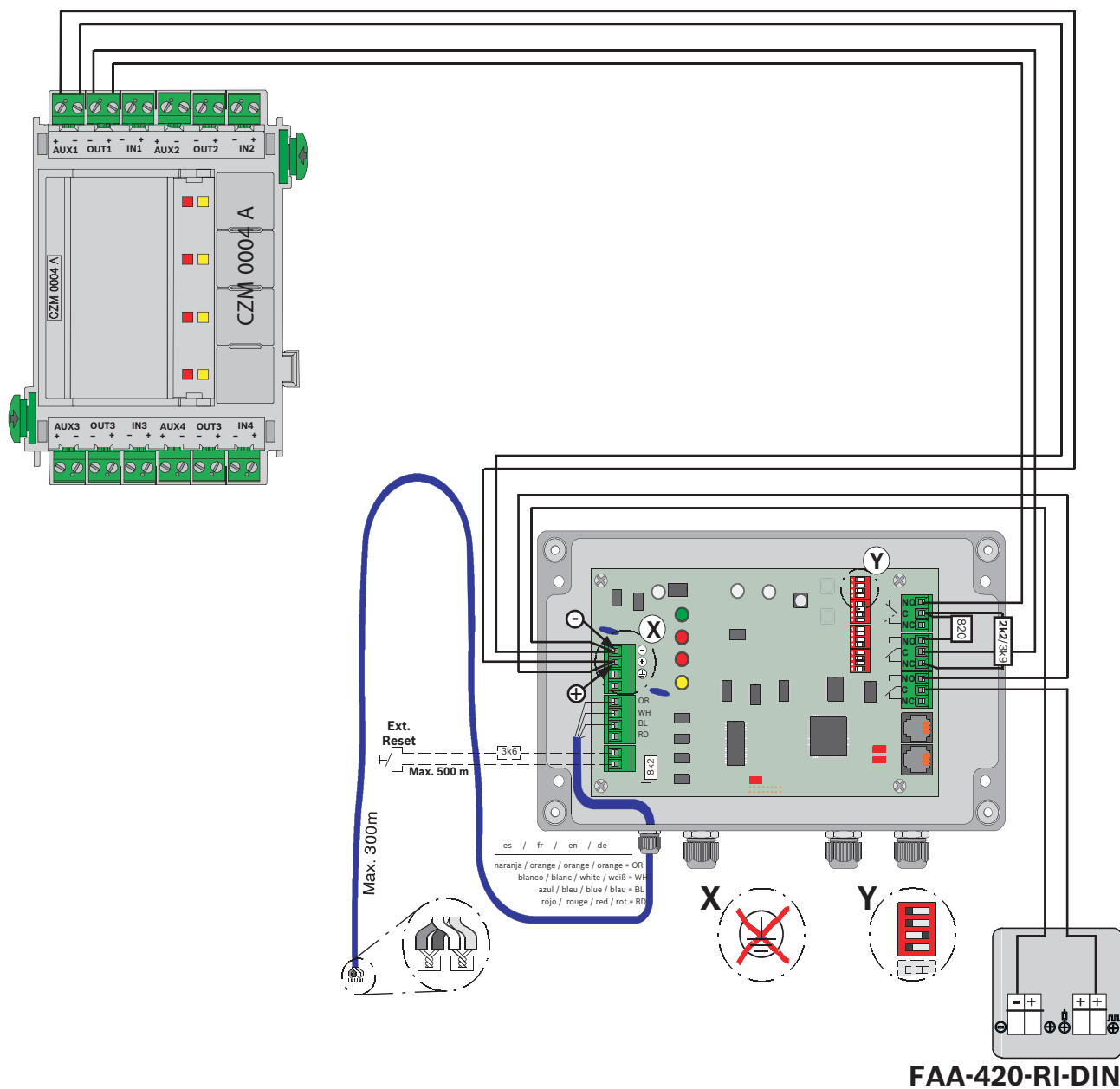


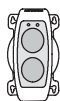
3.3.2

CZM 0004 A

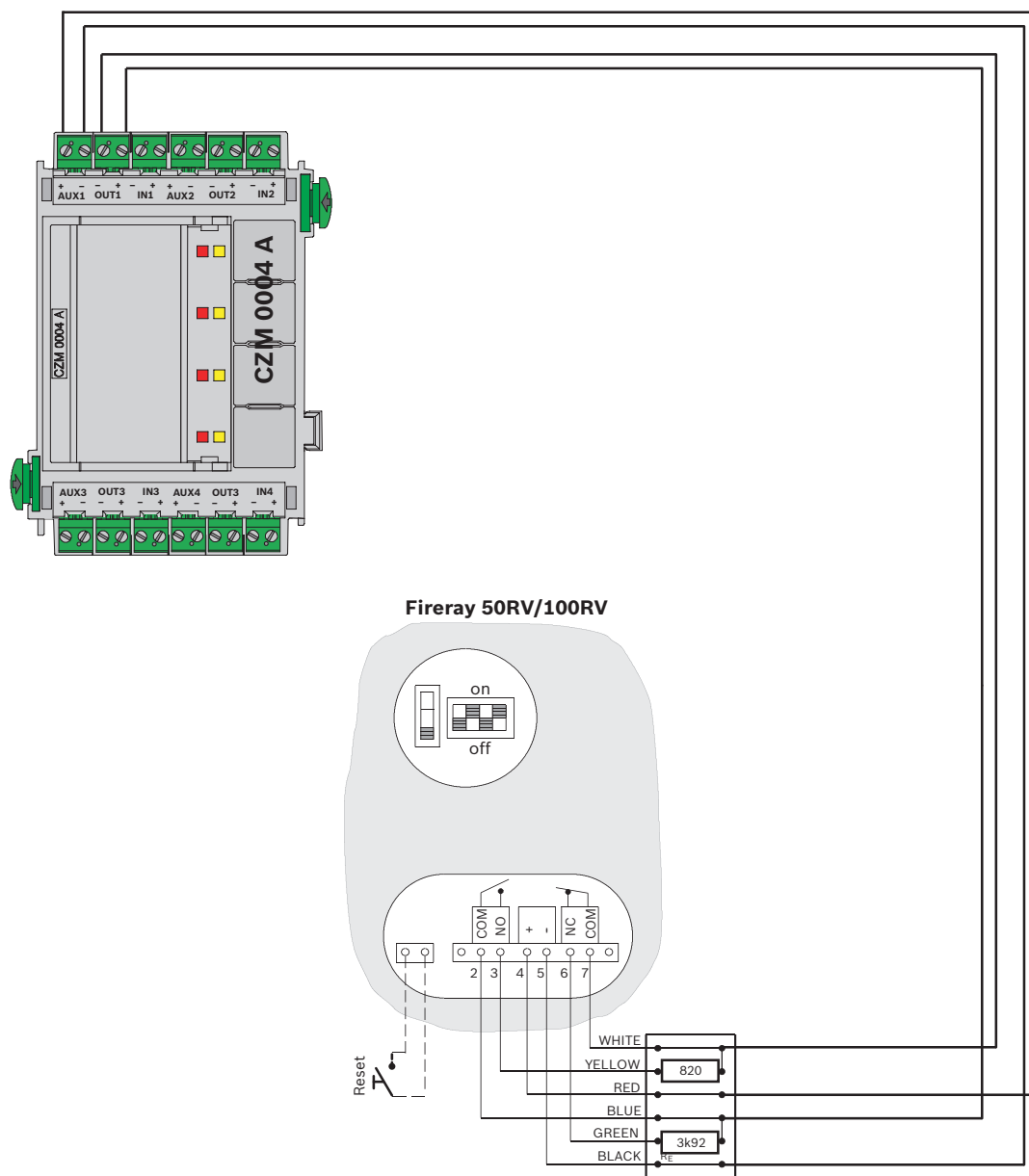


FCS-LWM-1



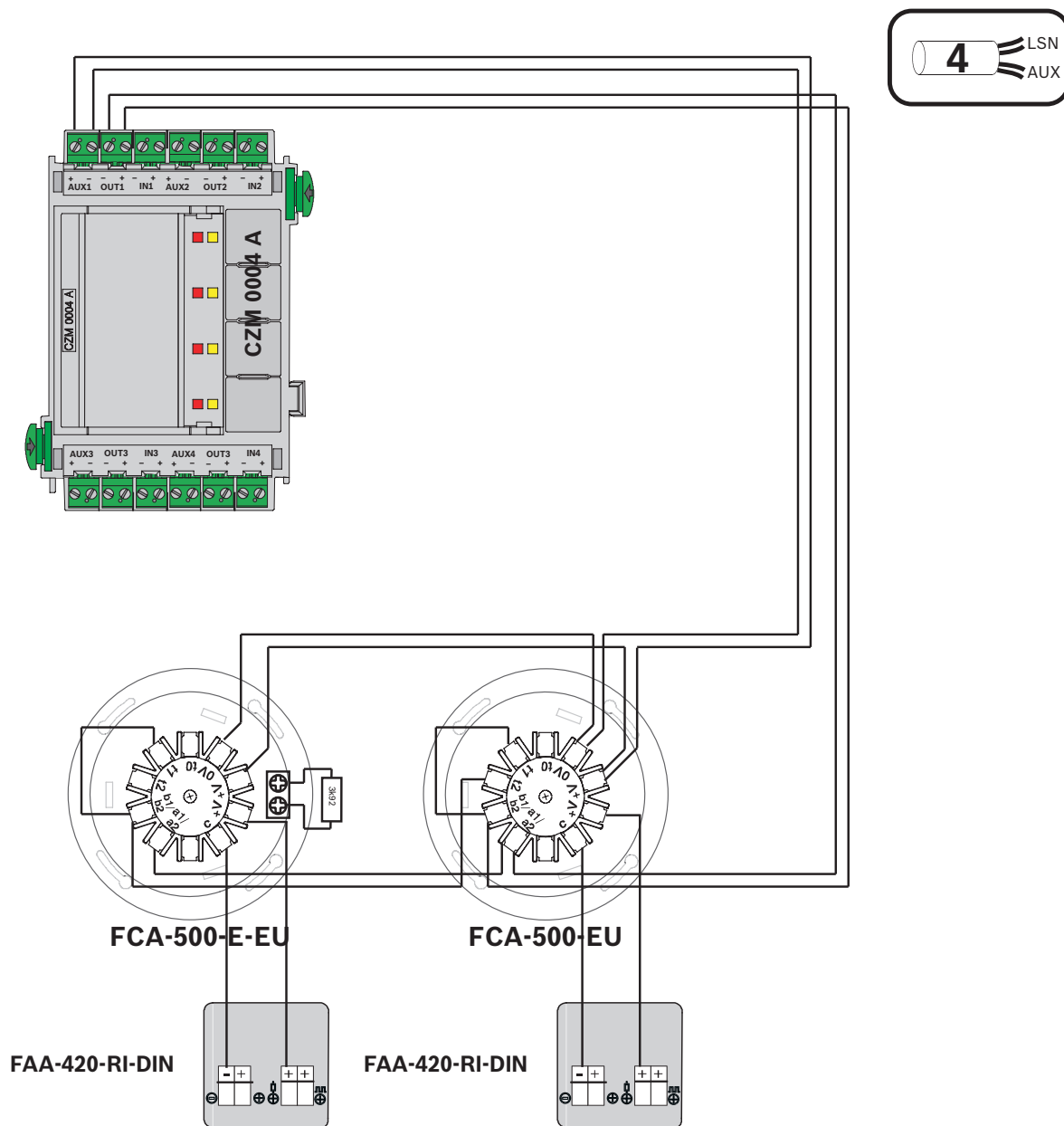
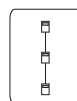


Fireray 50RV
Fireray 100RV



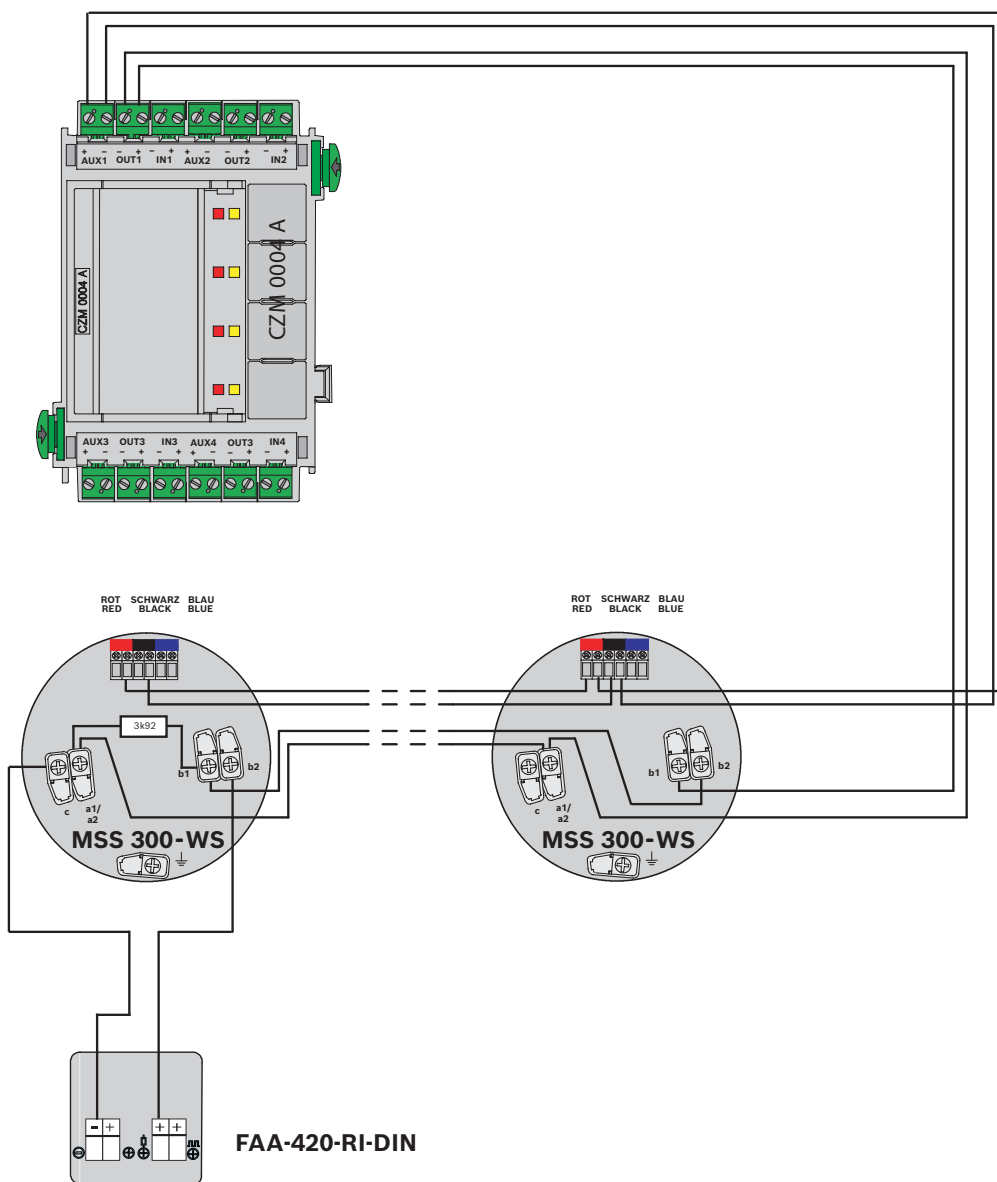


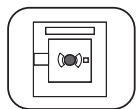
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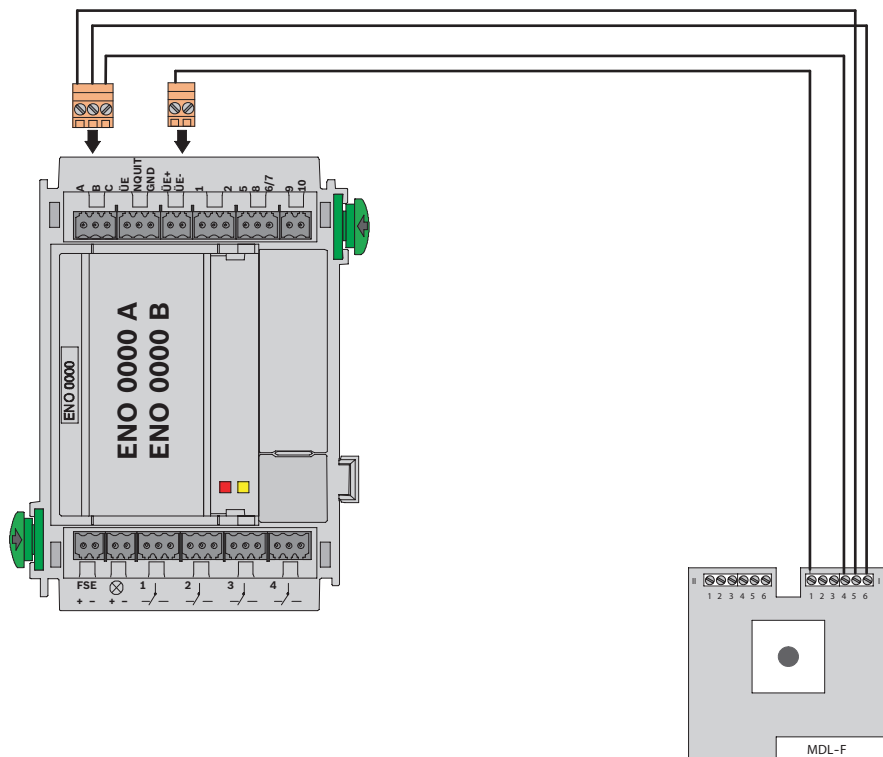


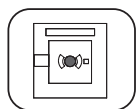
MSS 300-WS



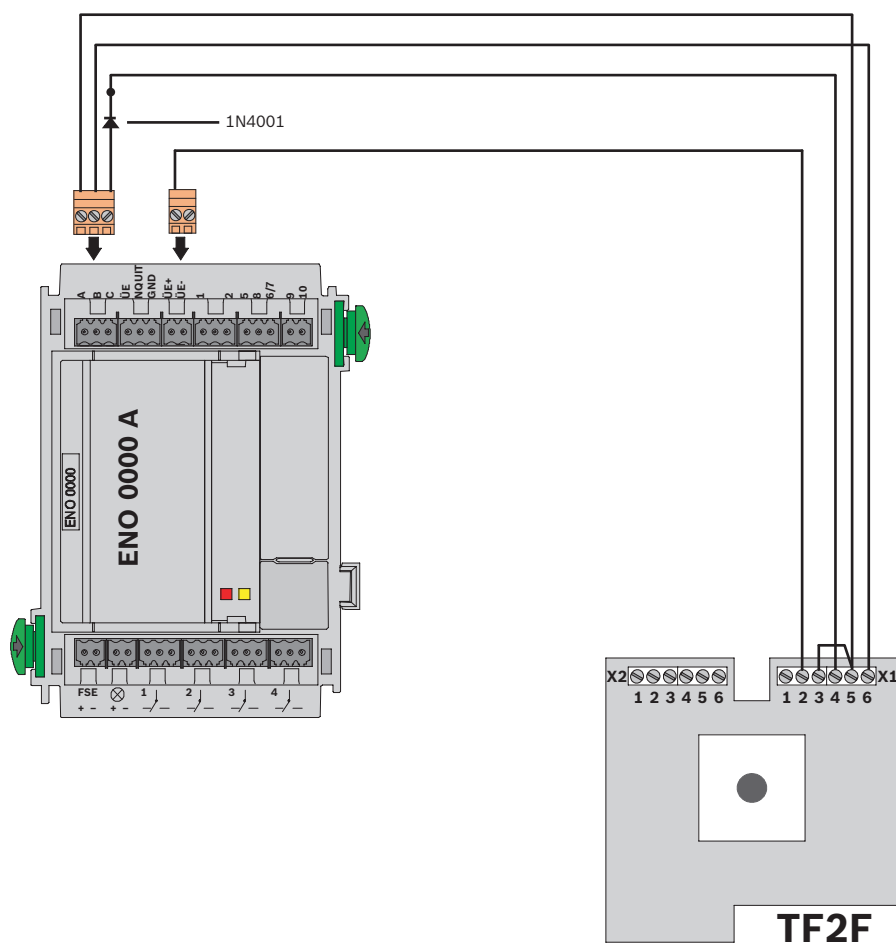
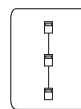


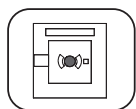
MDL-F



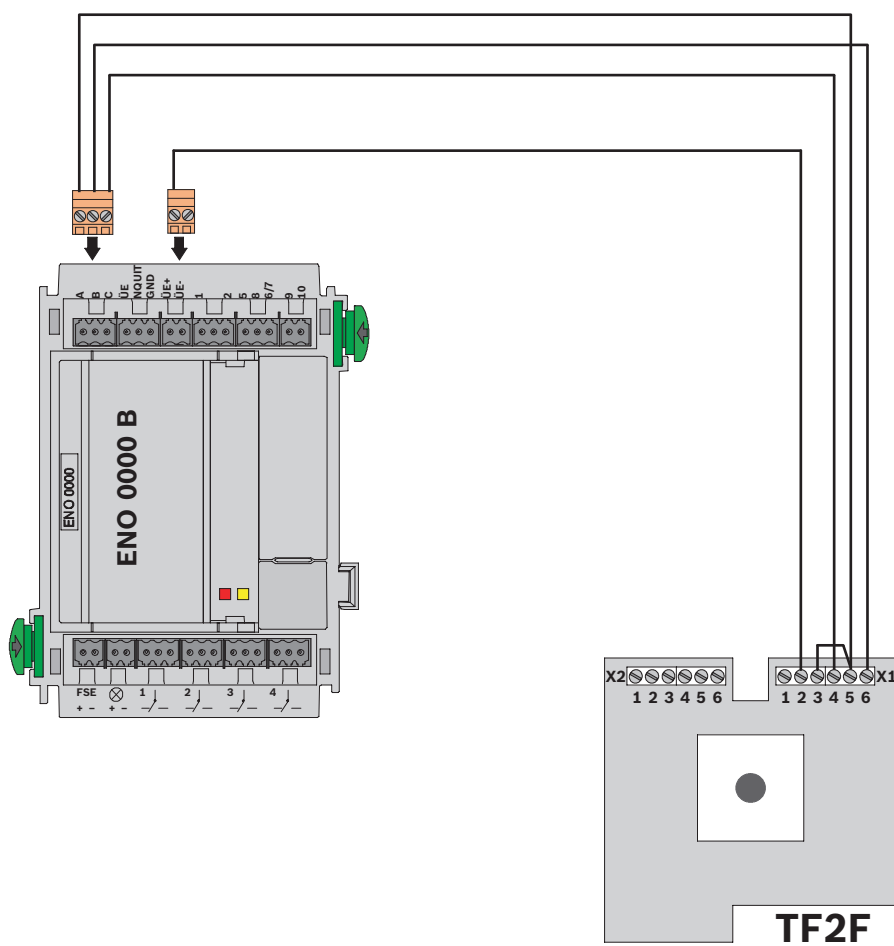
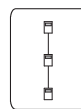


TF2F

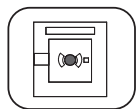
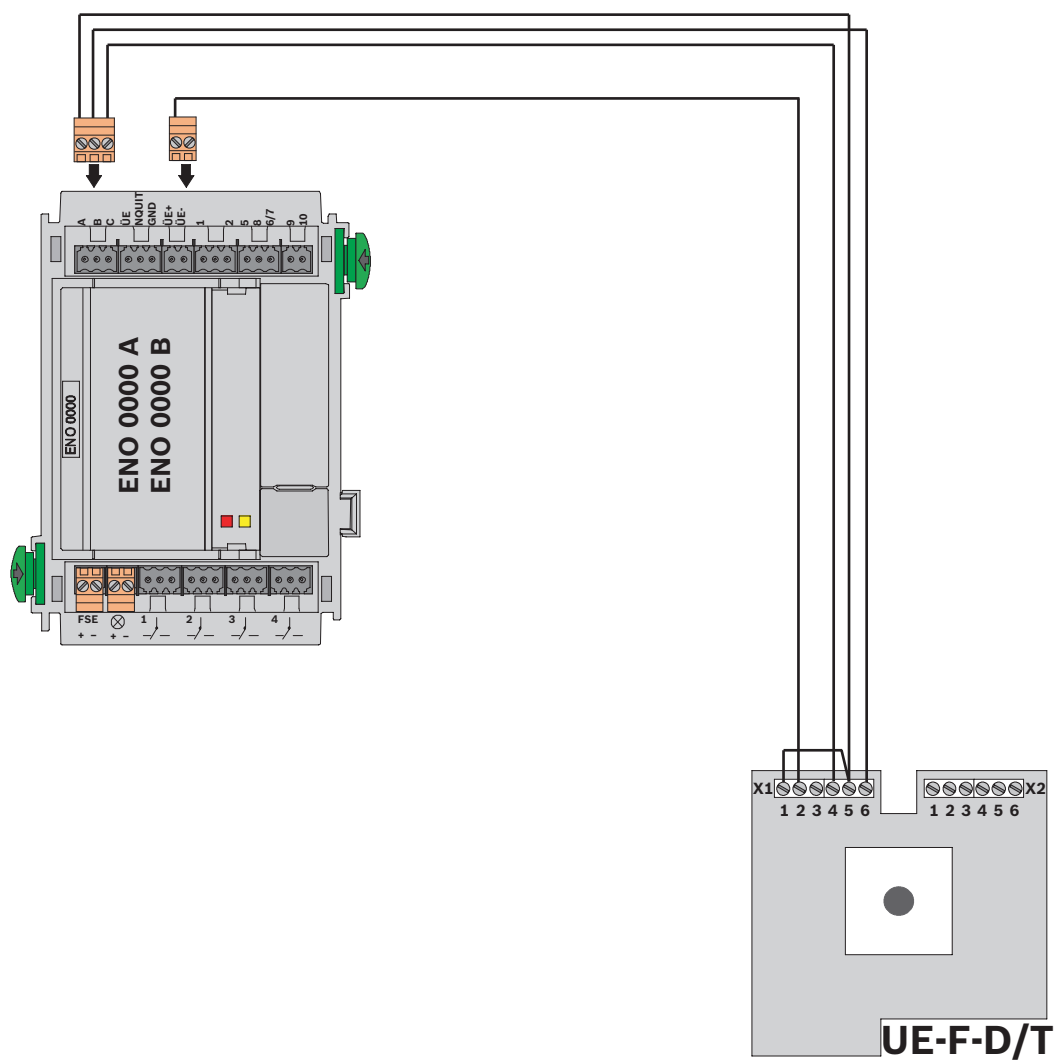


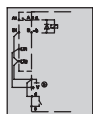
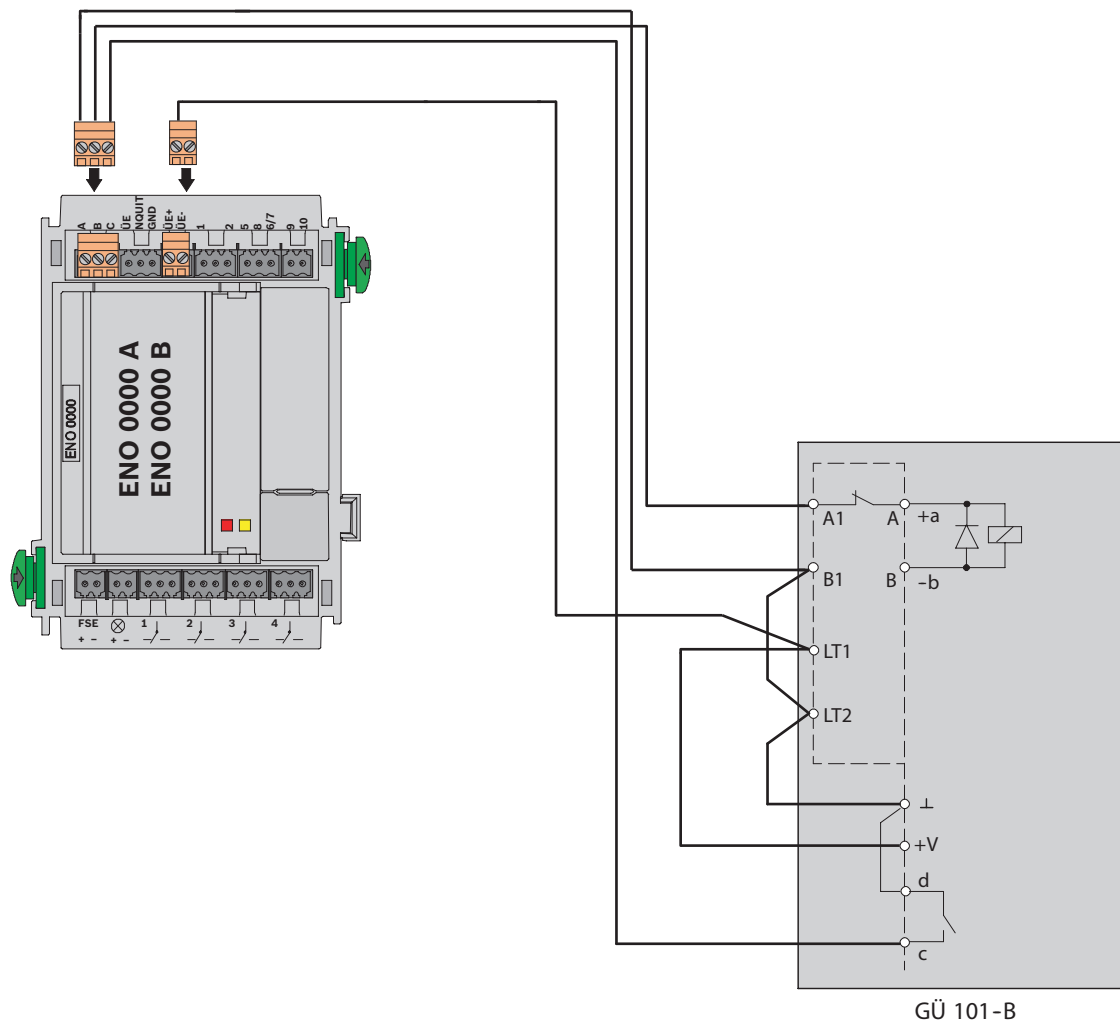
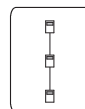


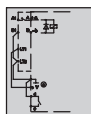
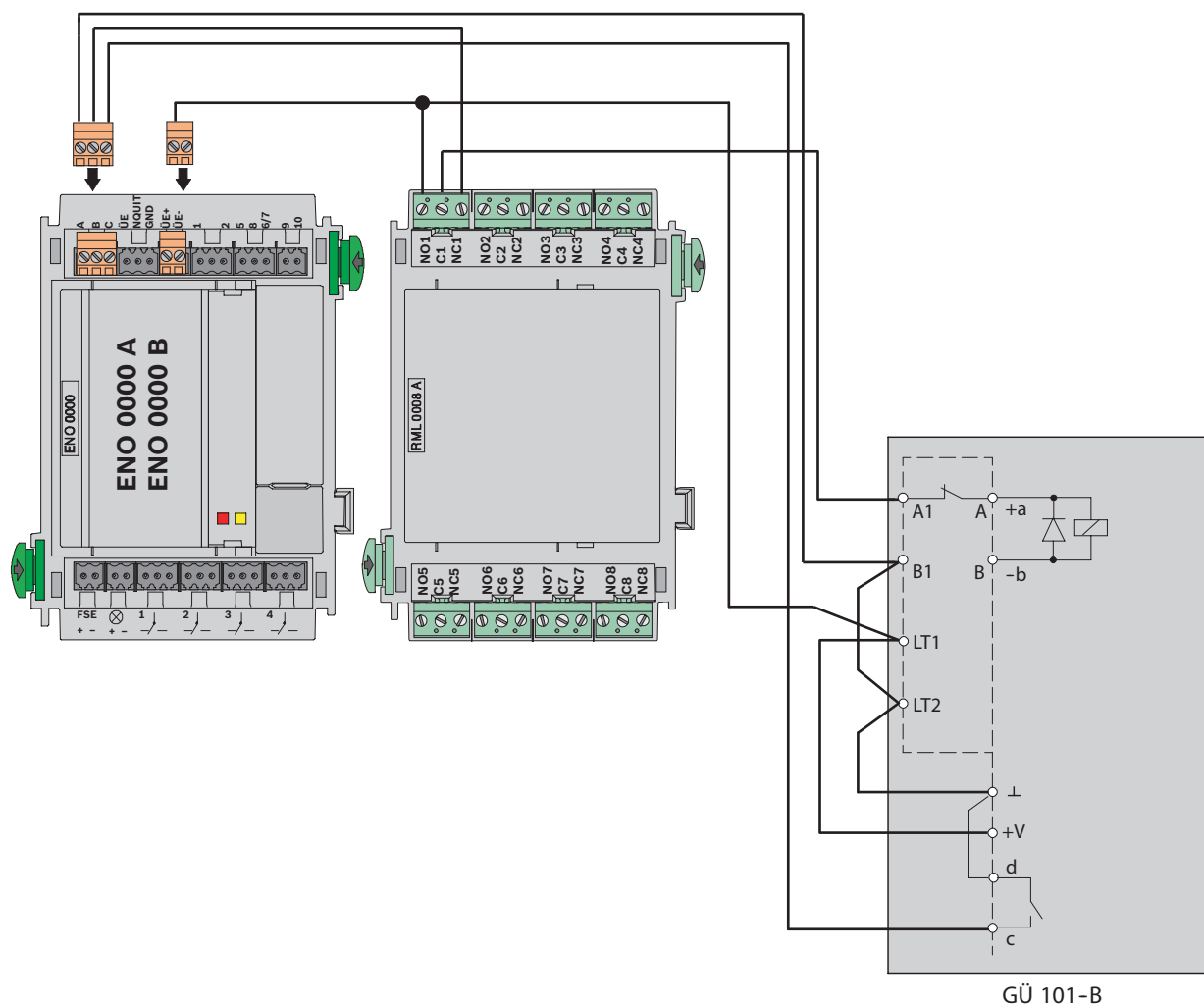
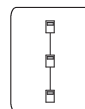
TF2F



TF2F

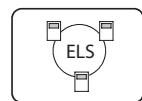
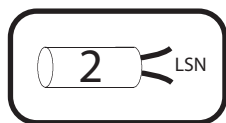
**UE-F-D/T**

**GÜ 101-B**

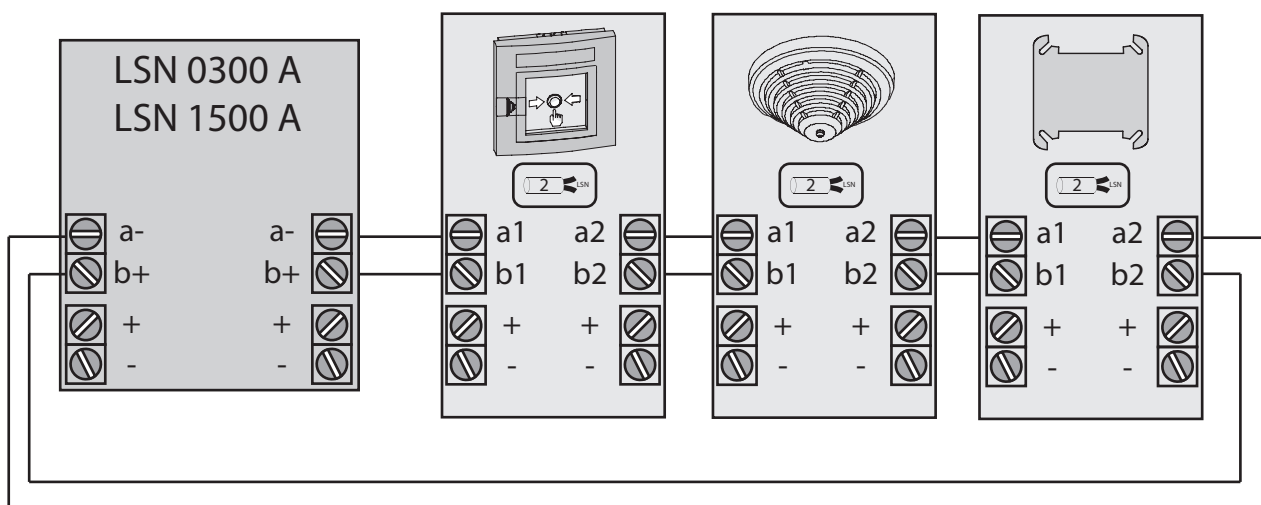
**GÜ 101-B**

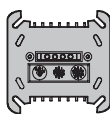
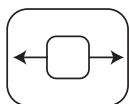
3.3.4

LSN 0300 A

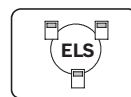


VdS 2489

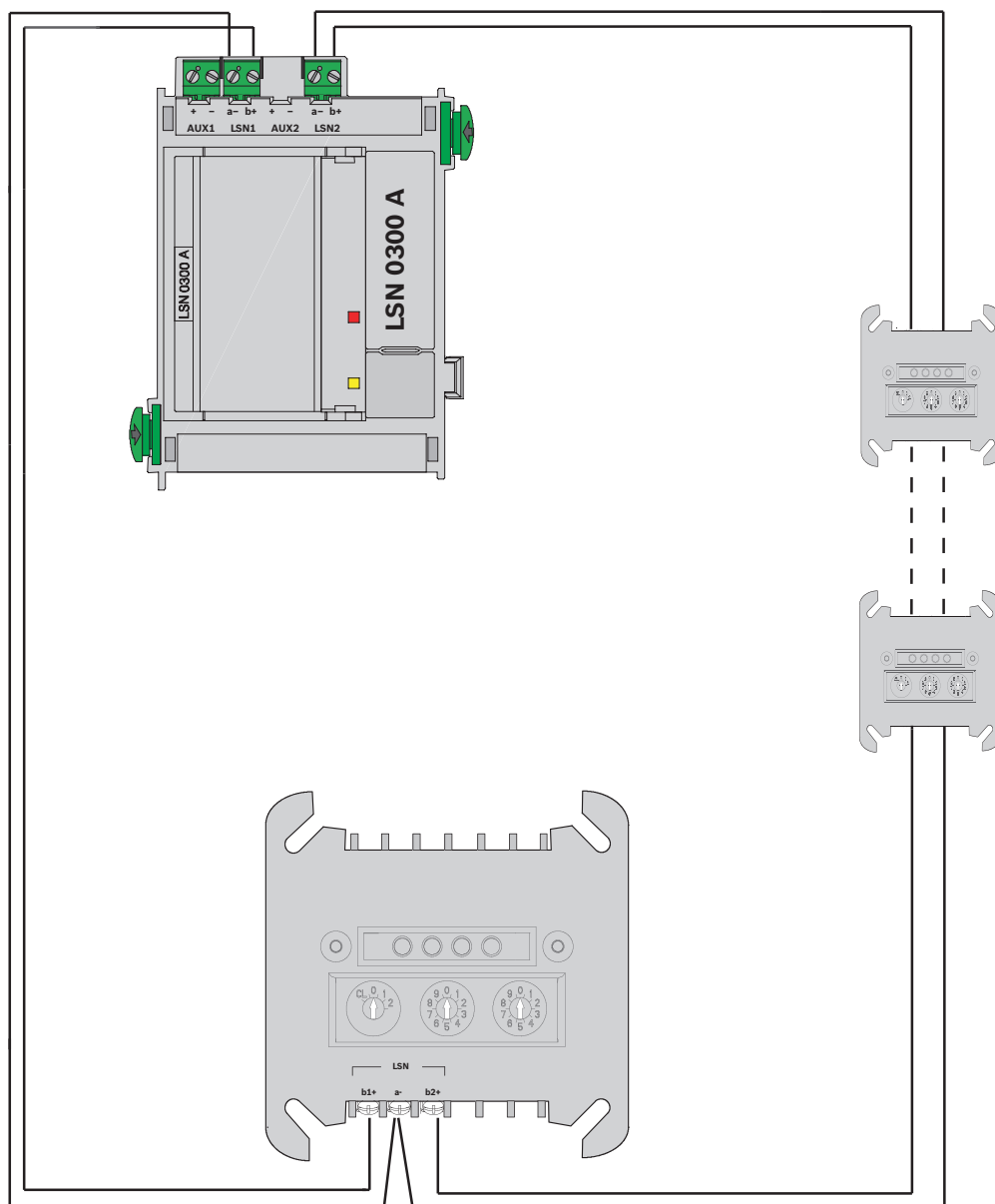


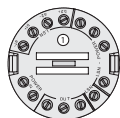
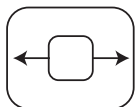


FLM-I 420-S
FLM-420-I2-D
FLM-420-O1I1-D
FLM-420-RHV-D/S
FLM-420-RLV1-D

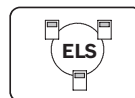


VdS 2489

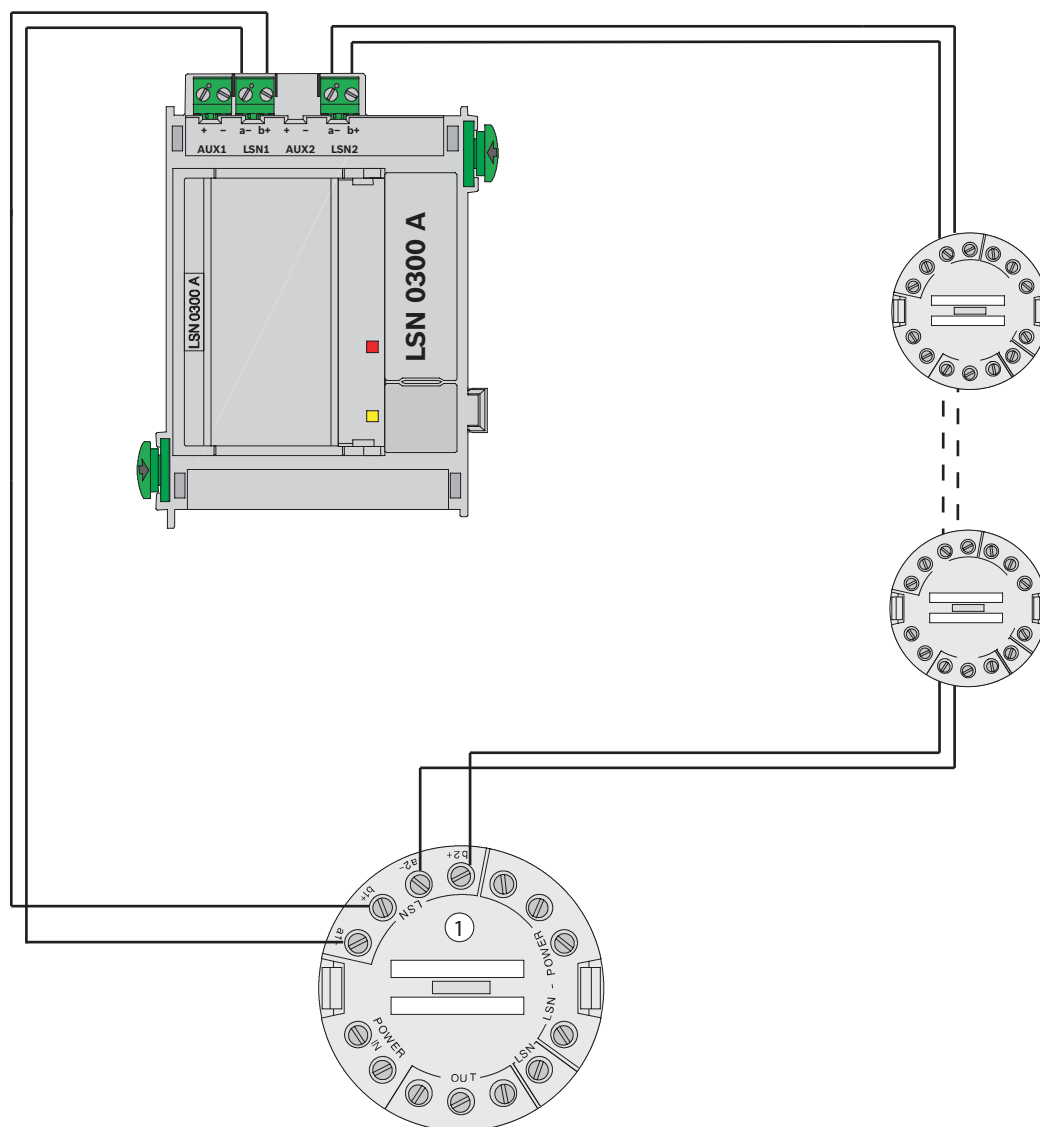


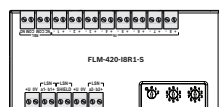
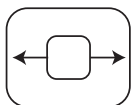
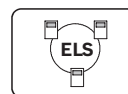
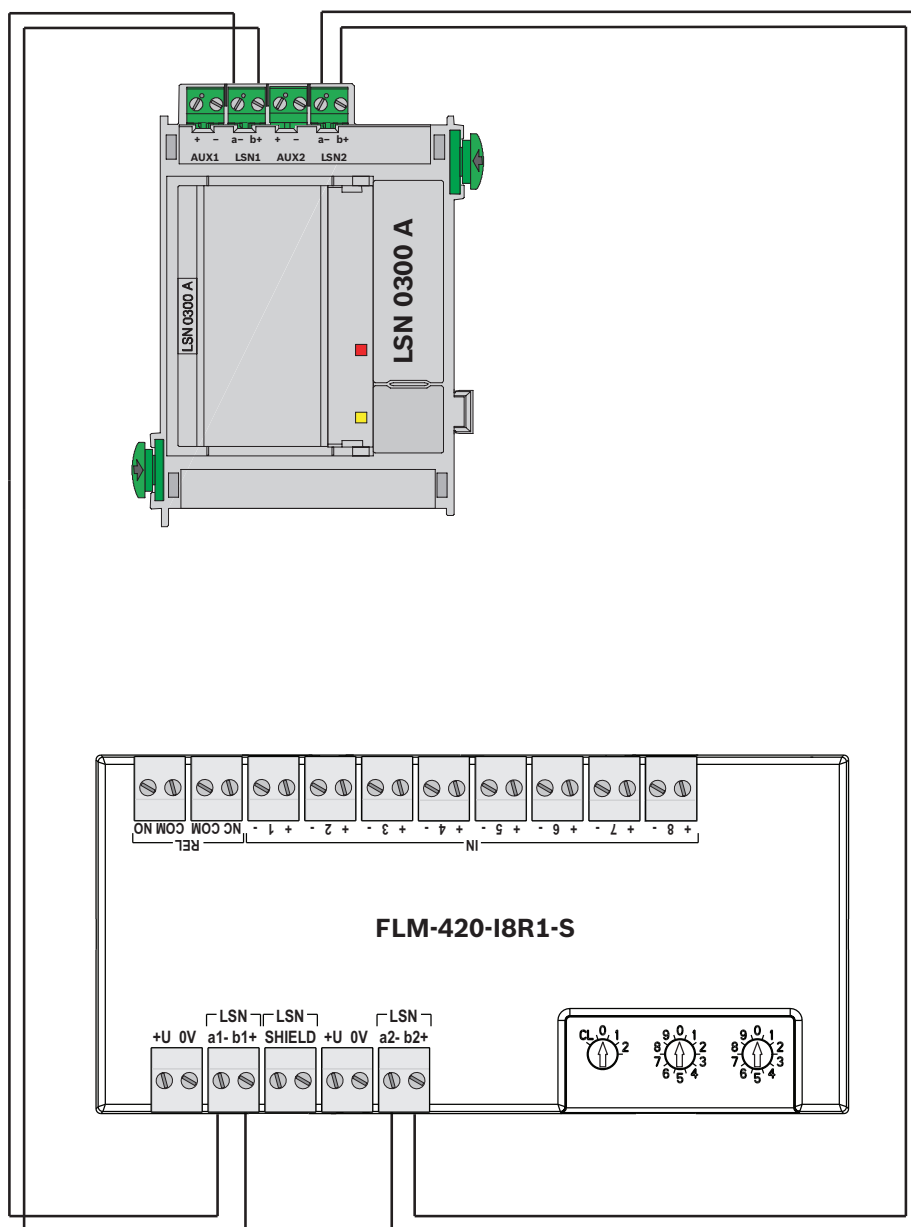


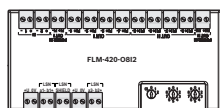
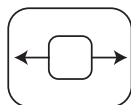
FLM-420-I2-E/W
FLM-420-RLV1-E



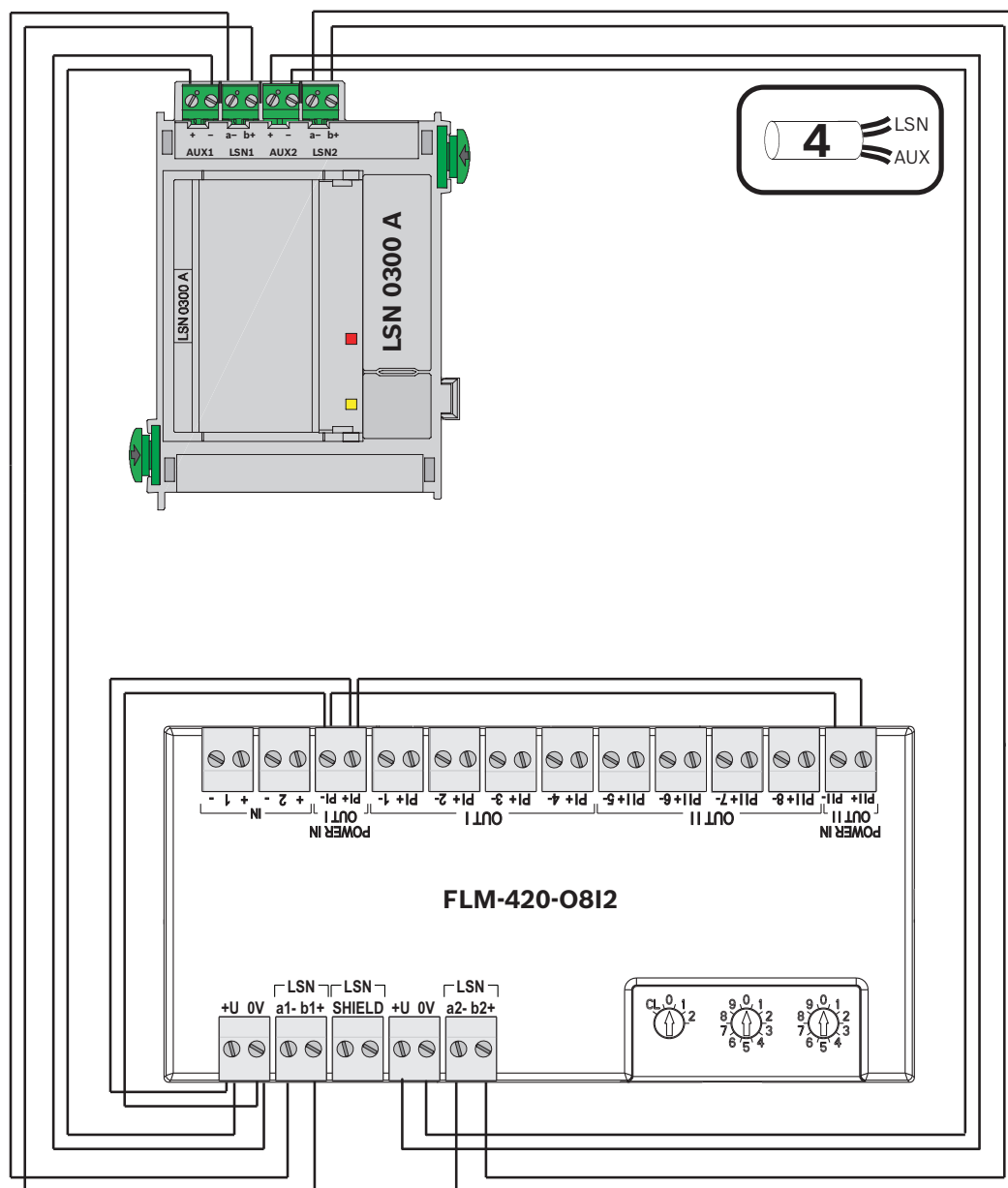
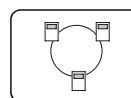
VdS 2489

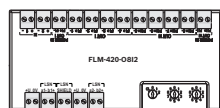
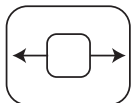


**FLM-420-I8R1-S****VdS 2489**

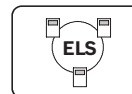


FLM-420-O8I2-S

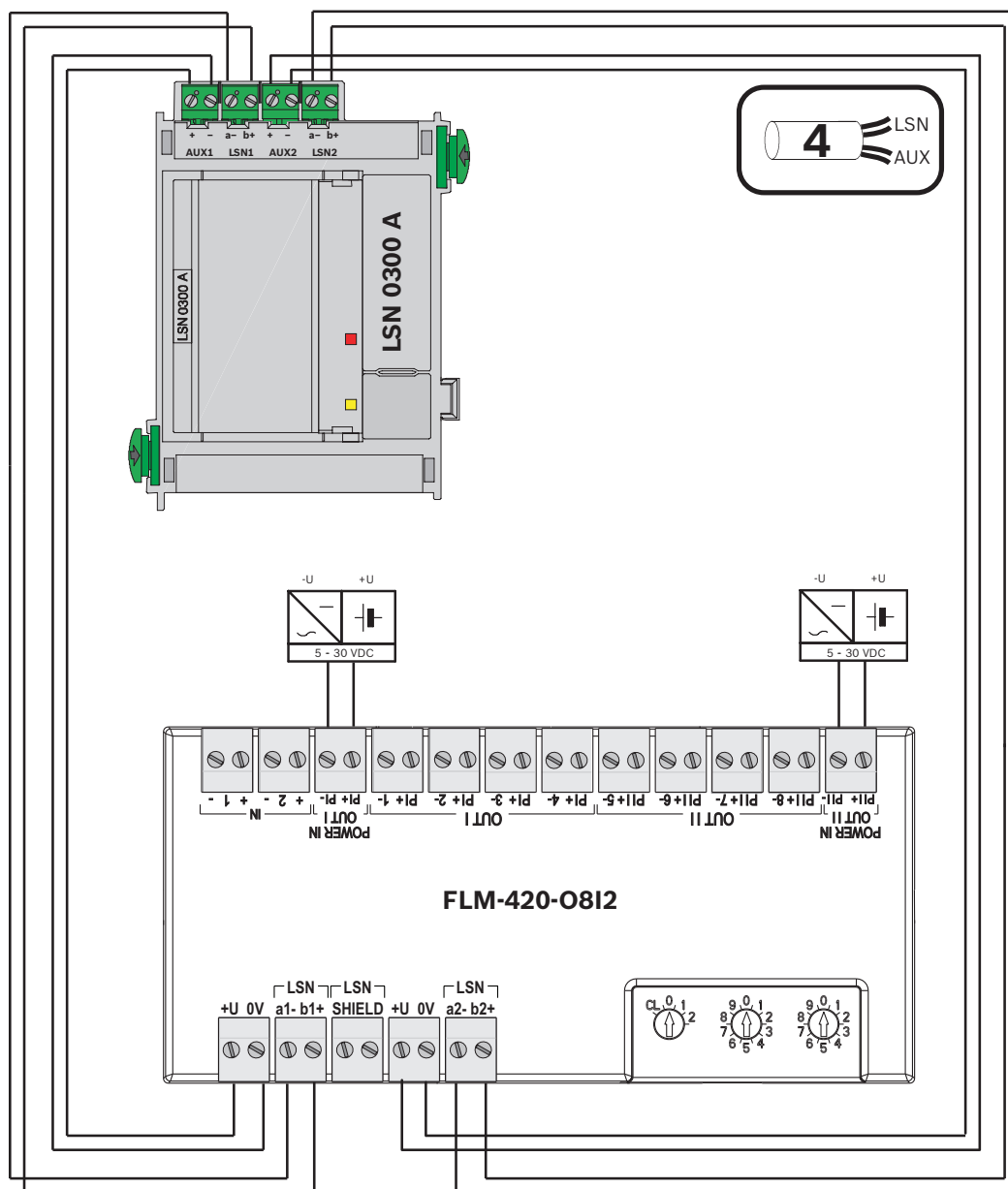


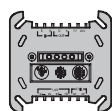
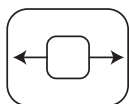
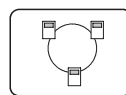
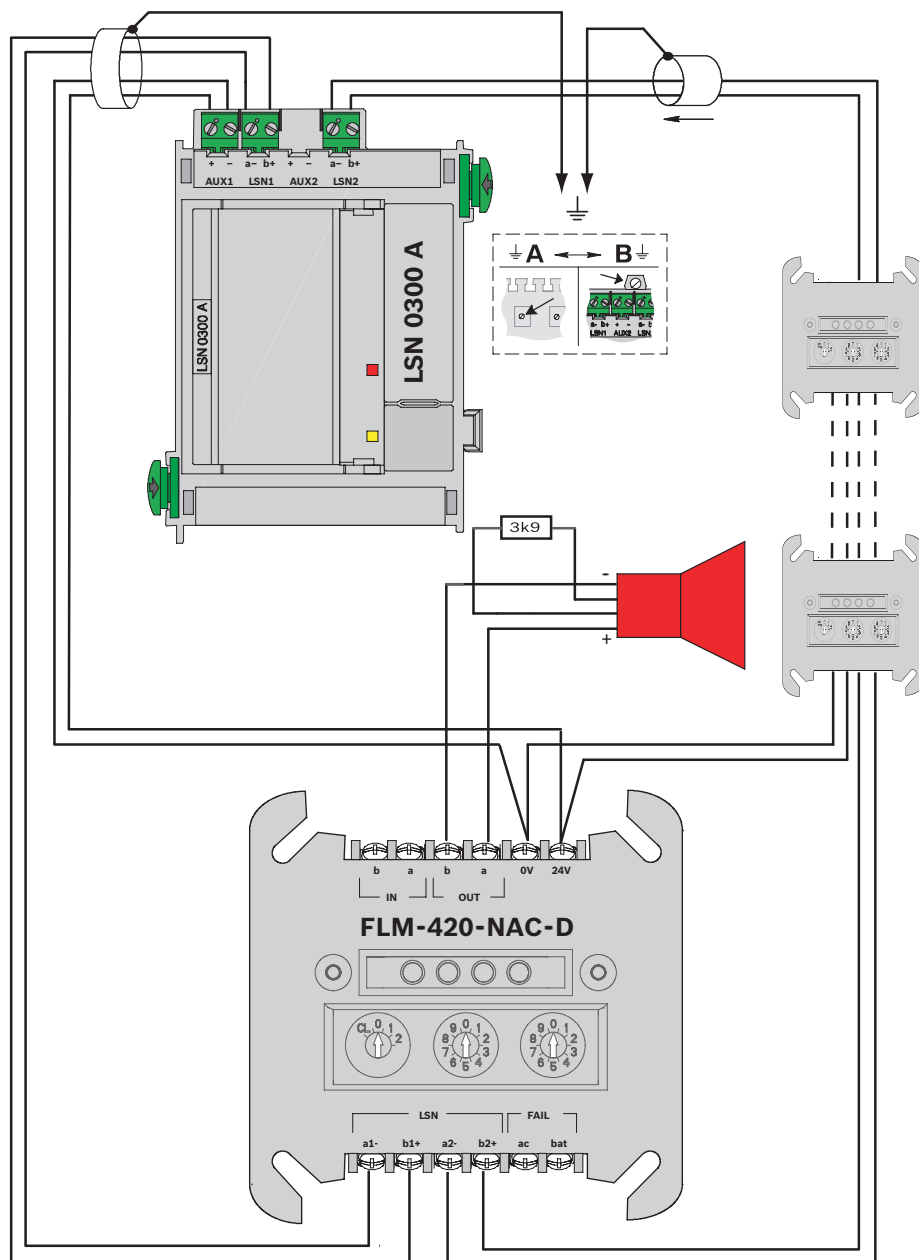


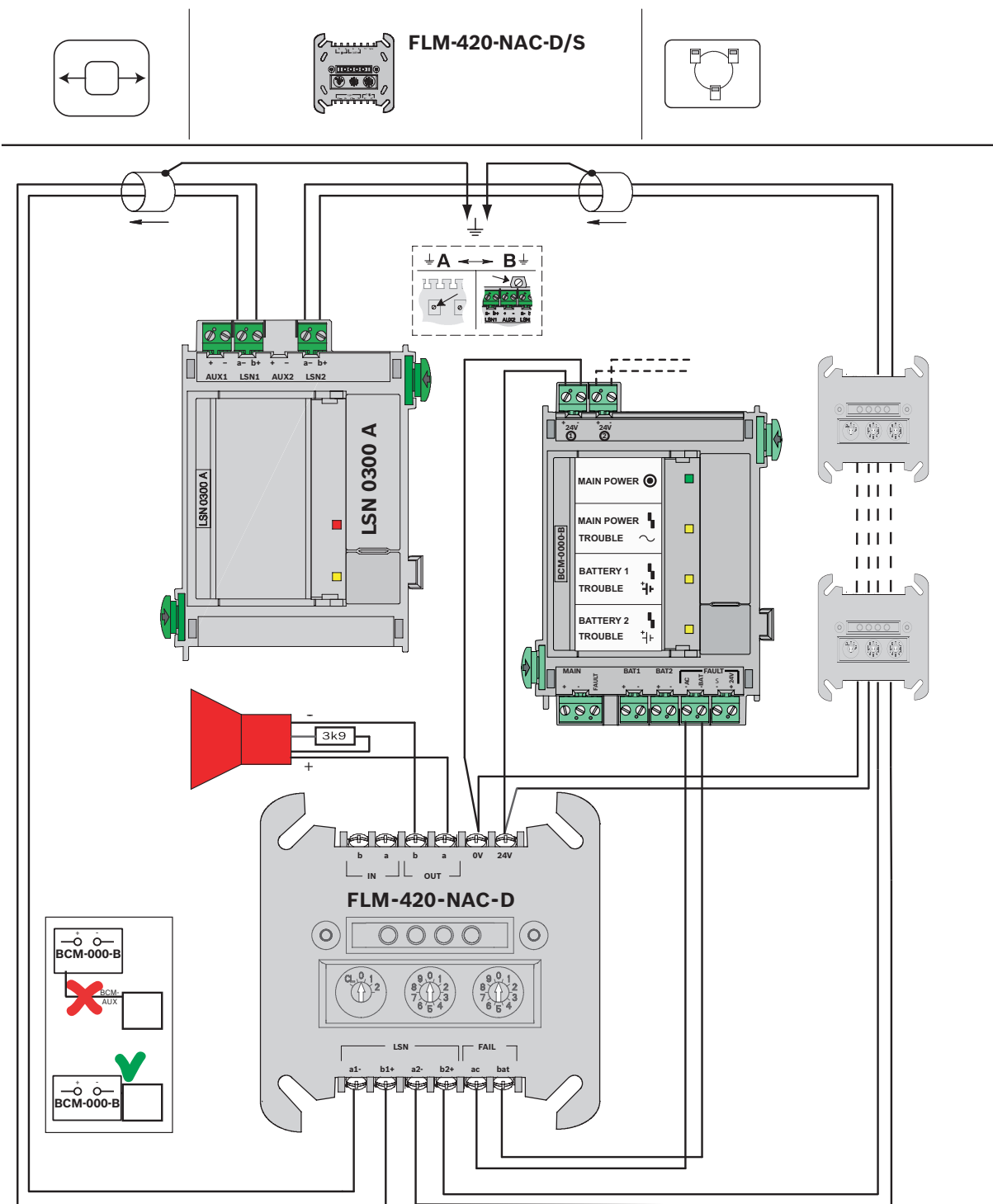
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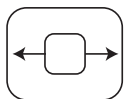


VdS 2489

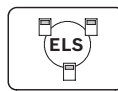


**FLM-420-NAC-D/S****EN 54-2**

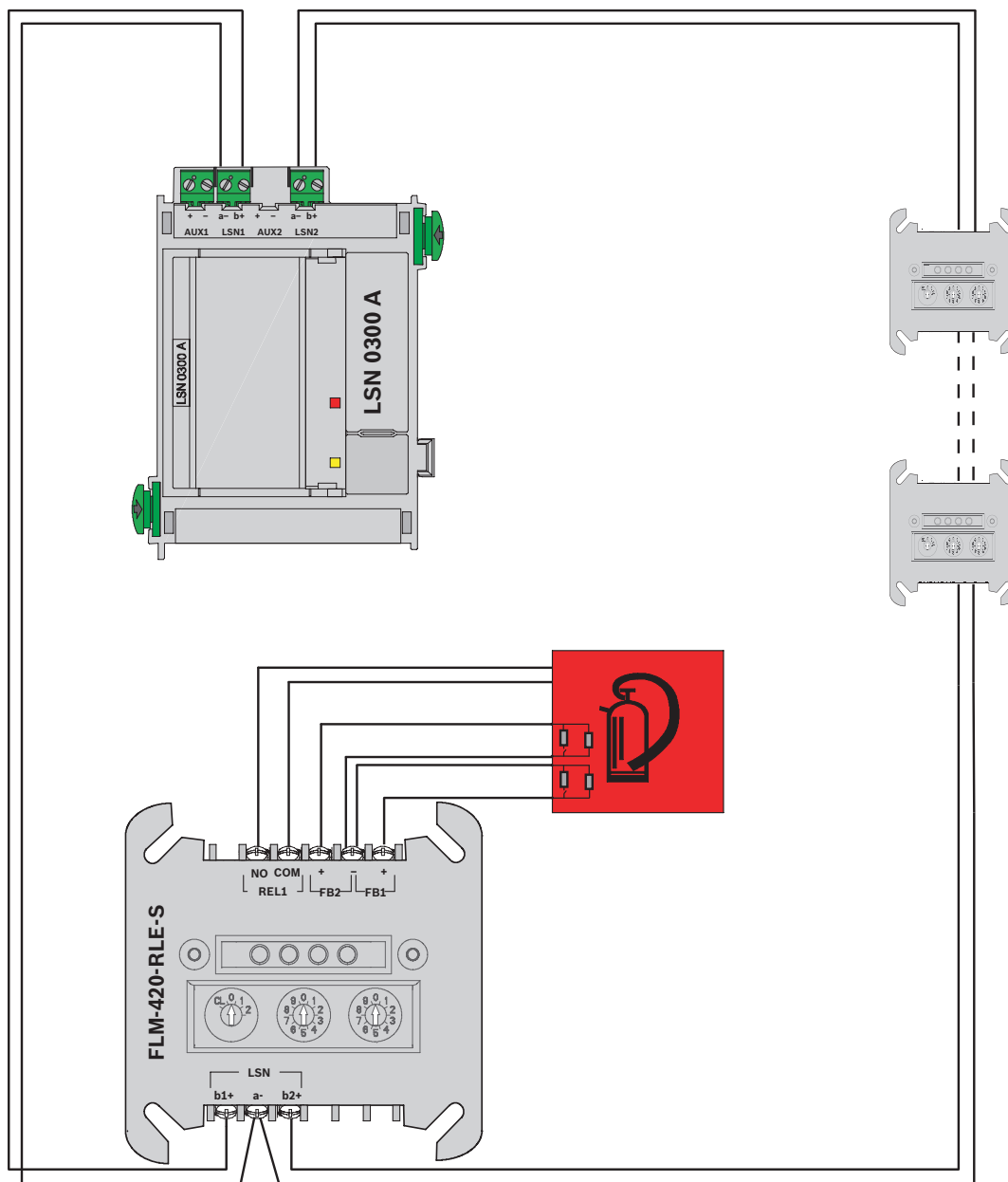


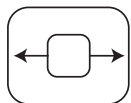


FLM-420-RLE-S

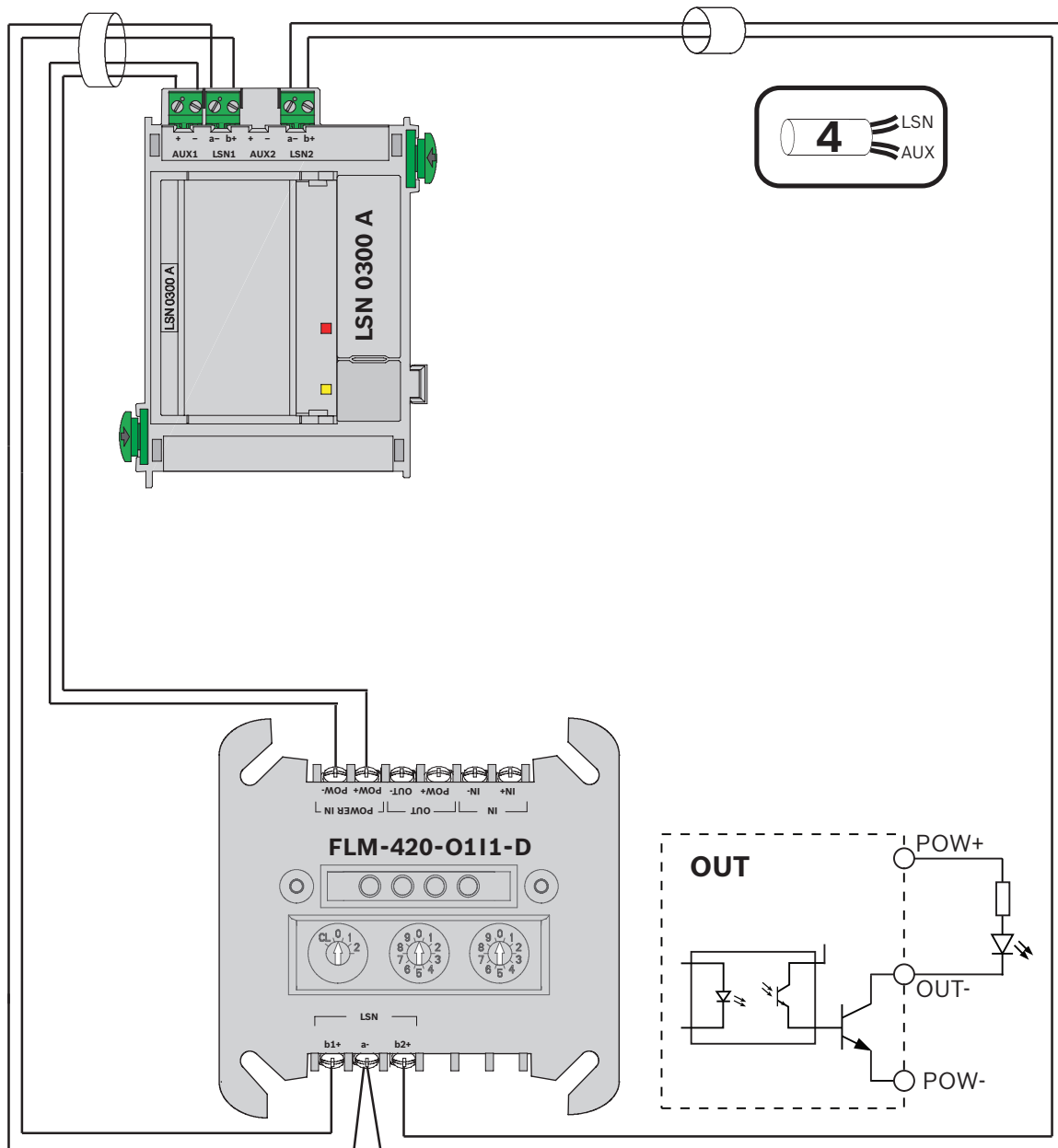
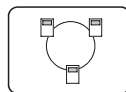


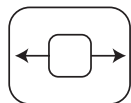
VdS 2489



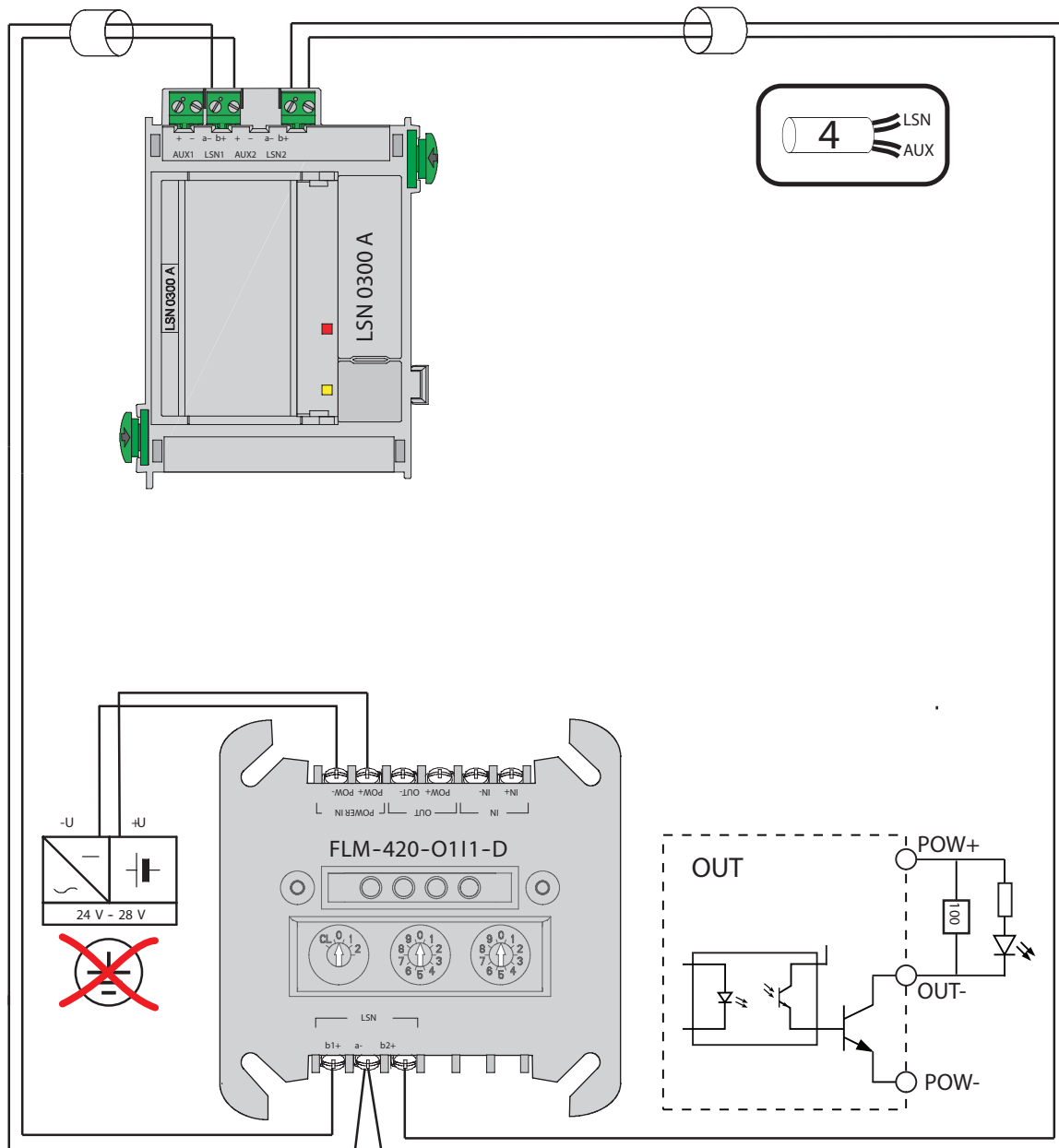
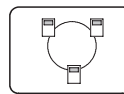


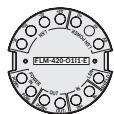
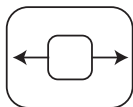
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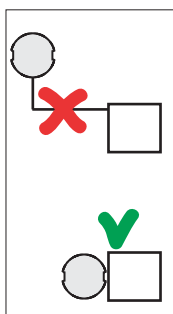
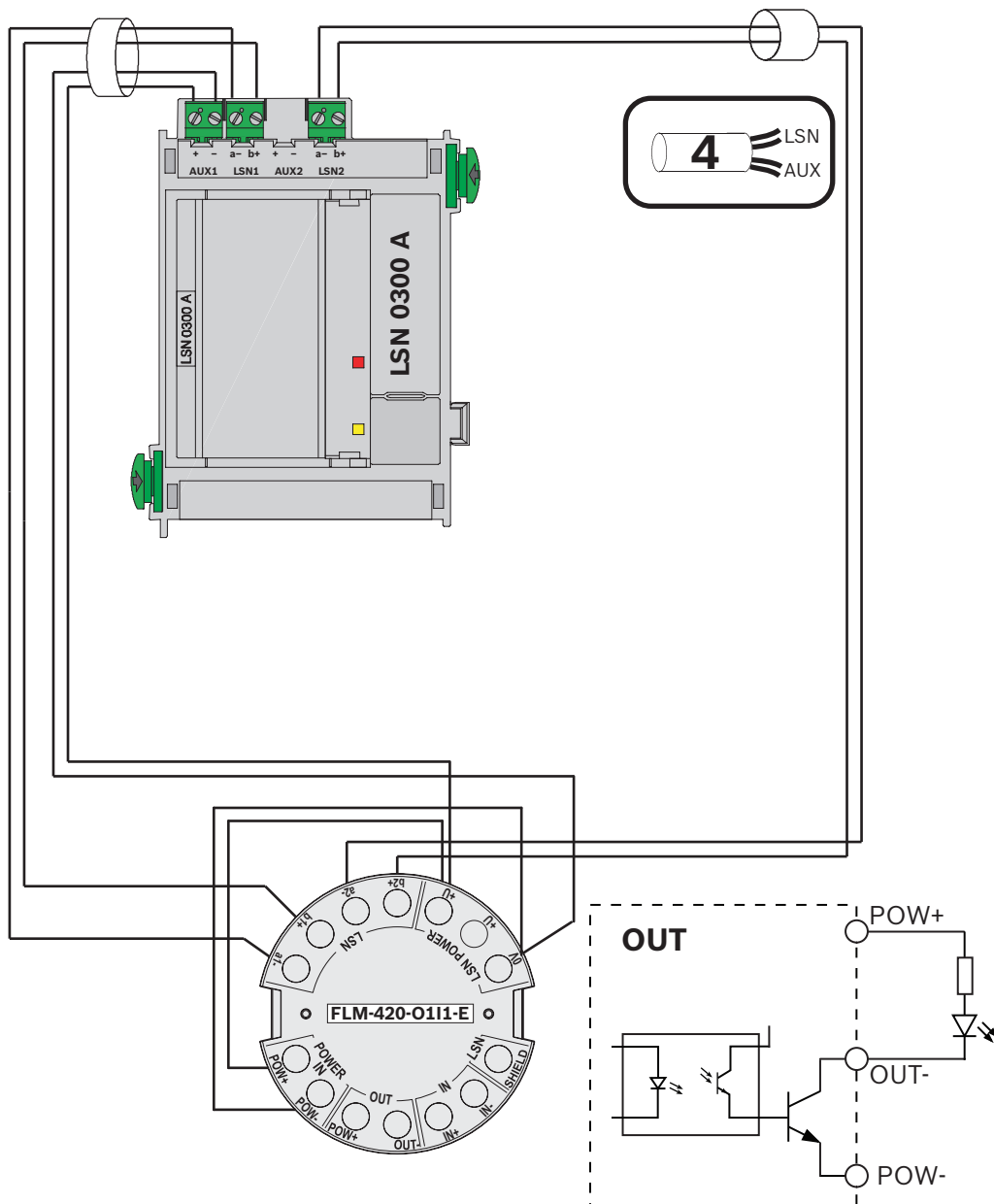
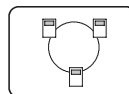


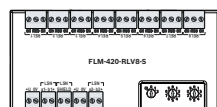
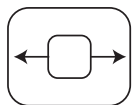
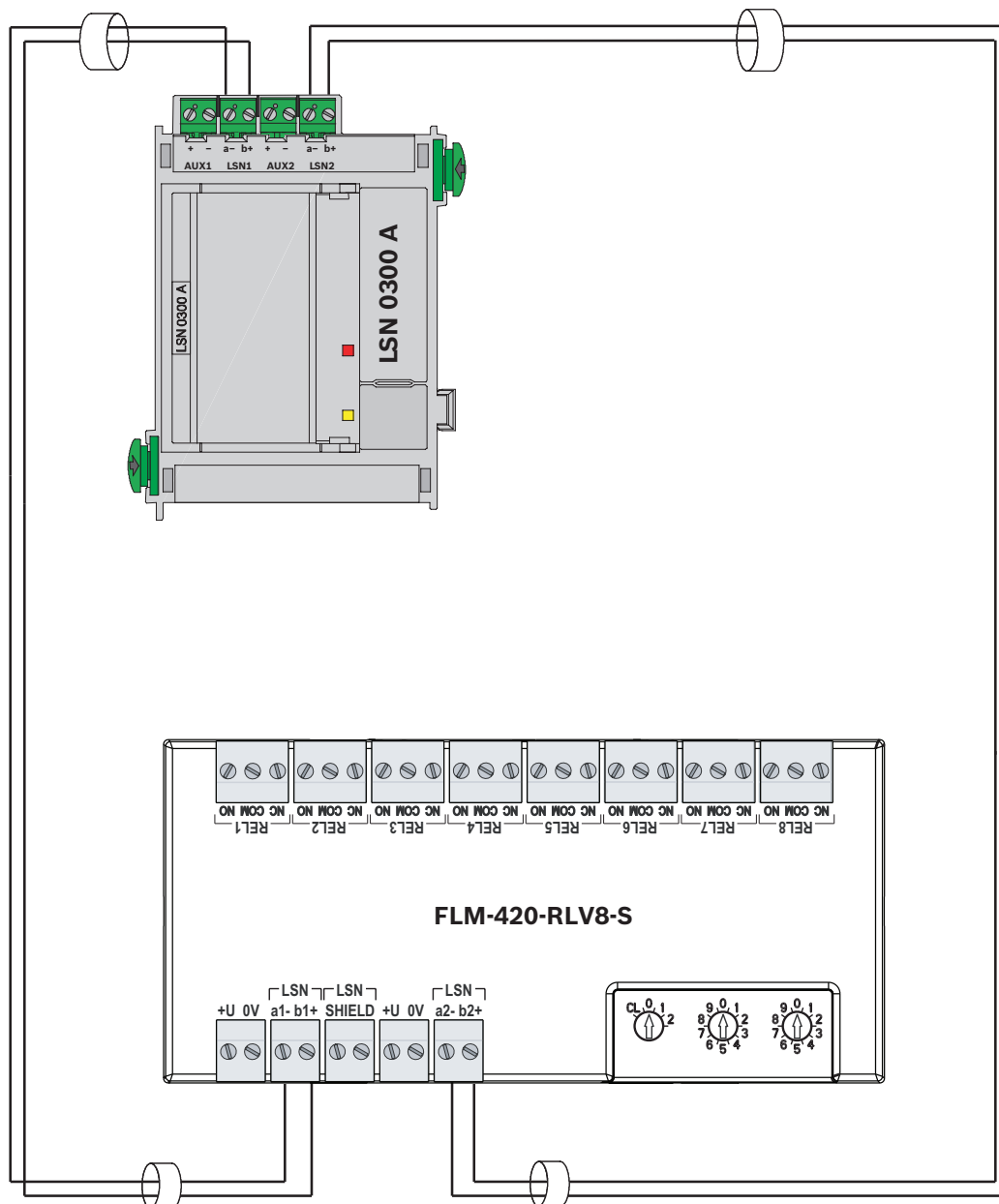
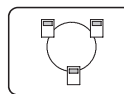
FLM-420-O1I1-D

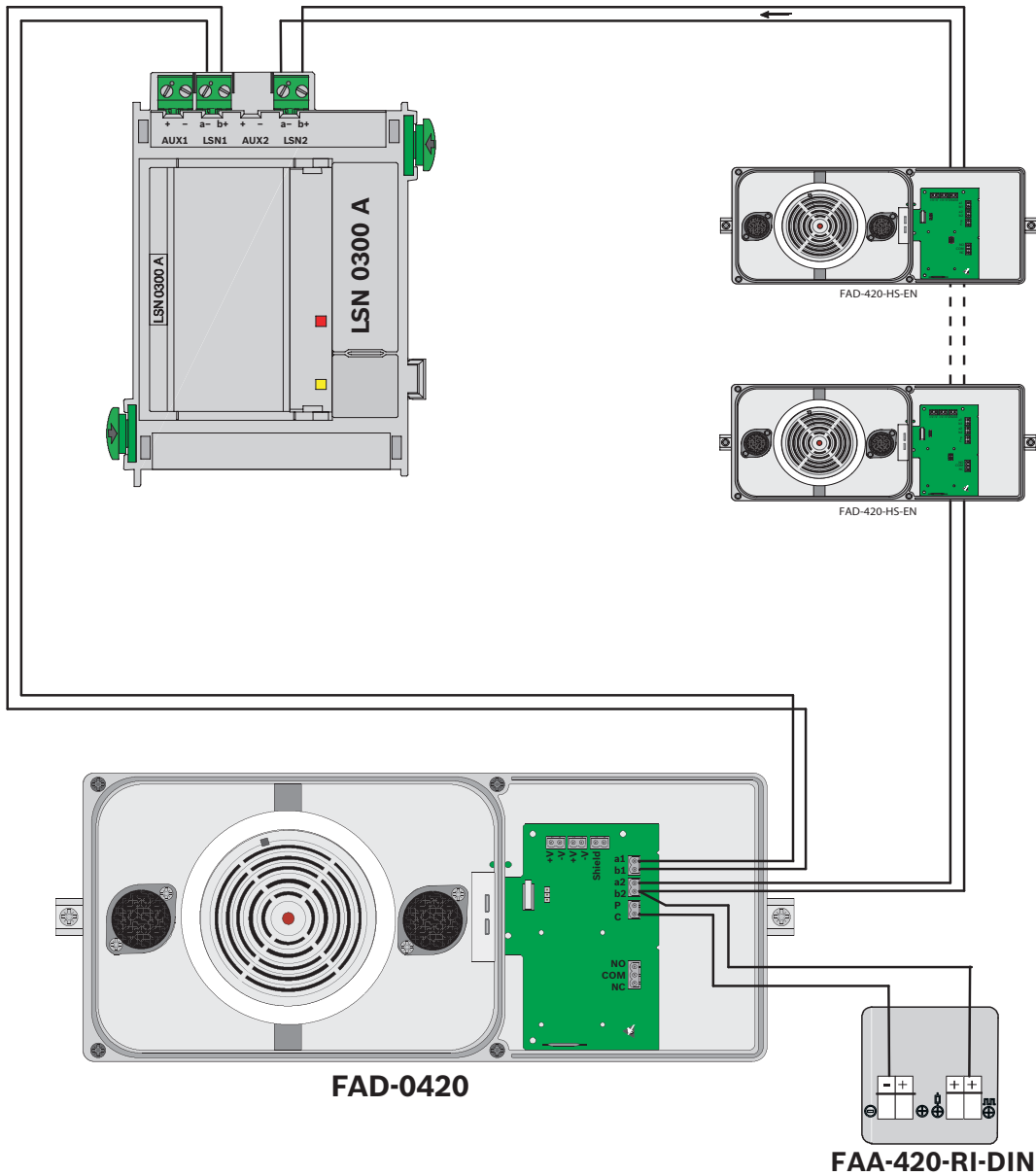


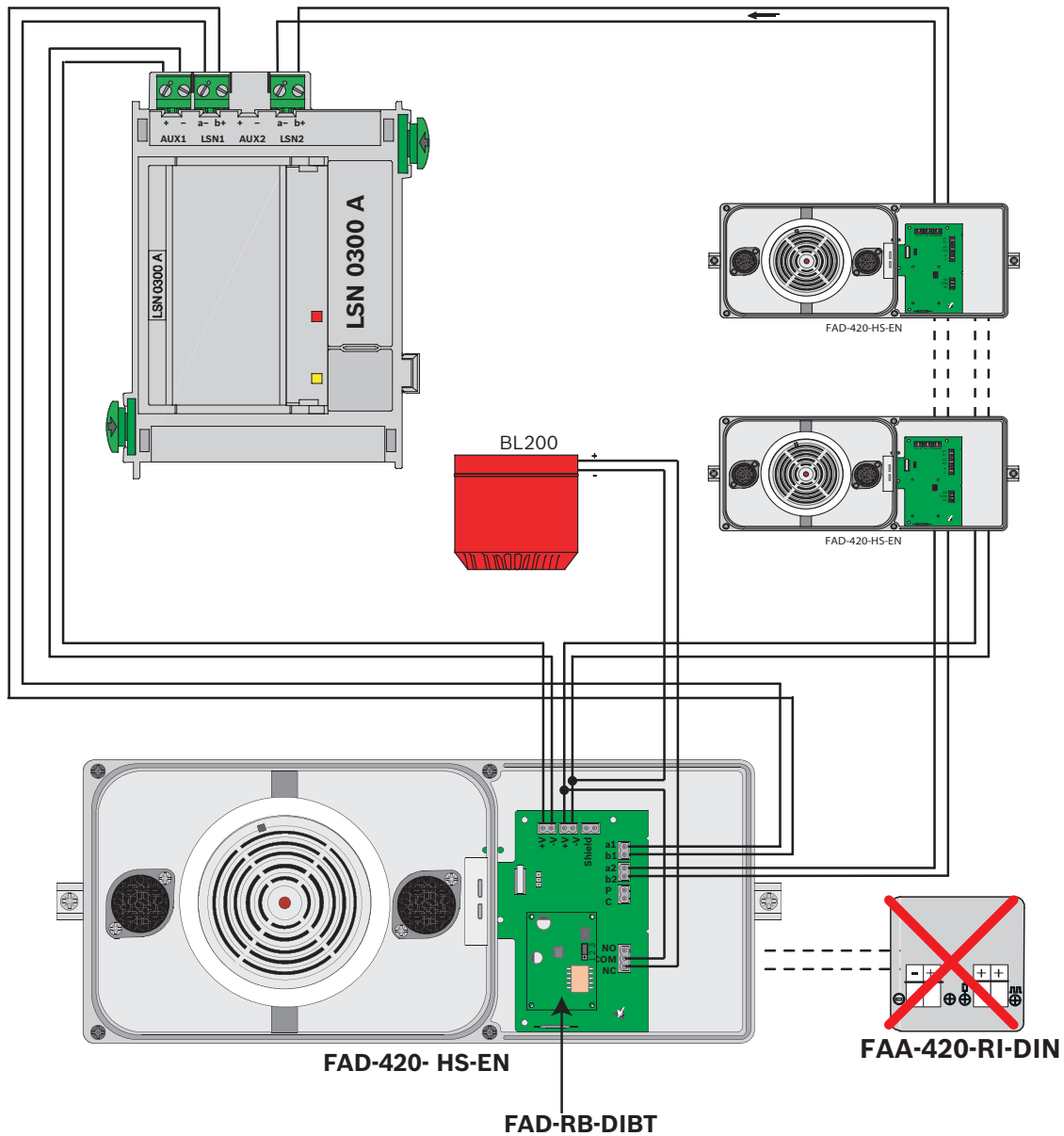


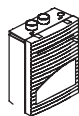
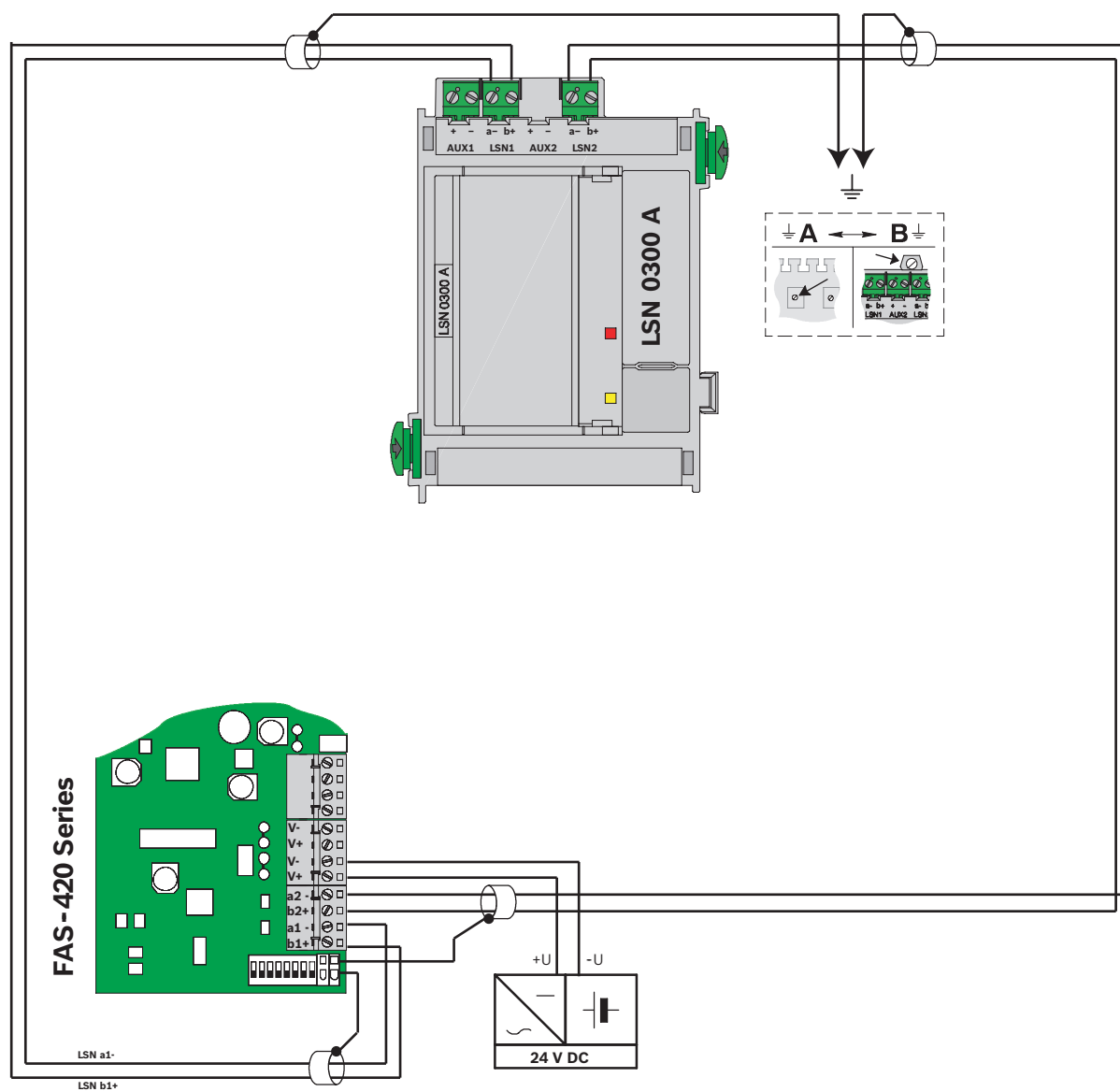
FLM-420-O1I1-E

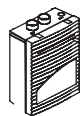


**FLM-420-RLV8-S**

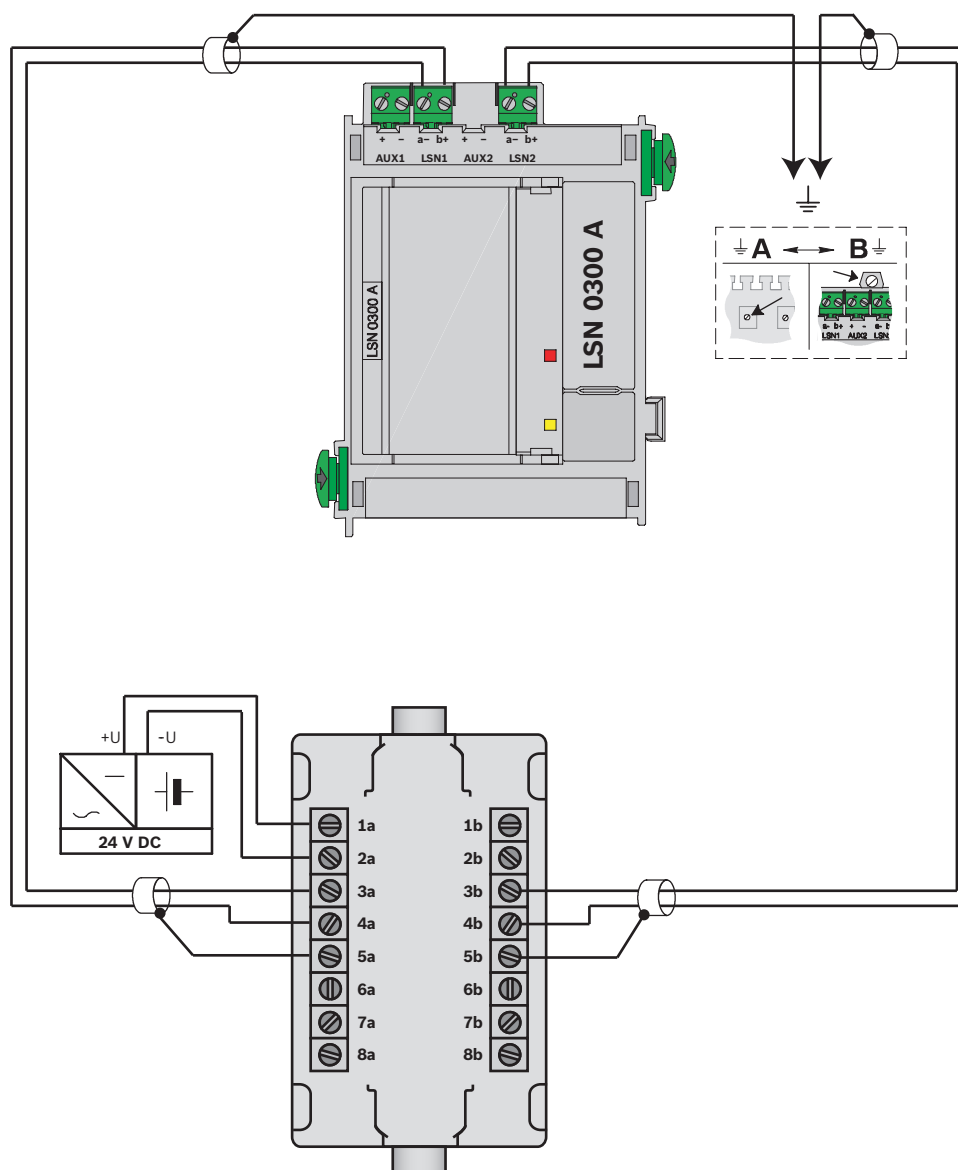
**FAD-0420**

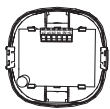
**FAD-420-HS-EN**

**FAS-420 Series**

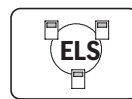


FAS-420-TM Series

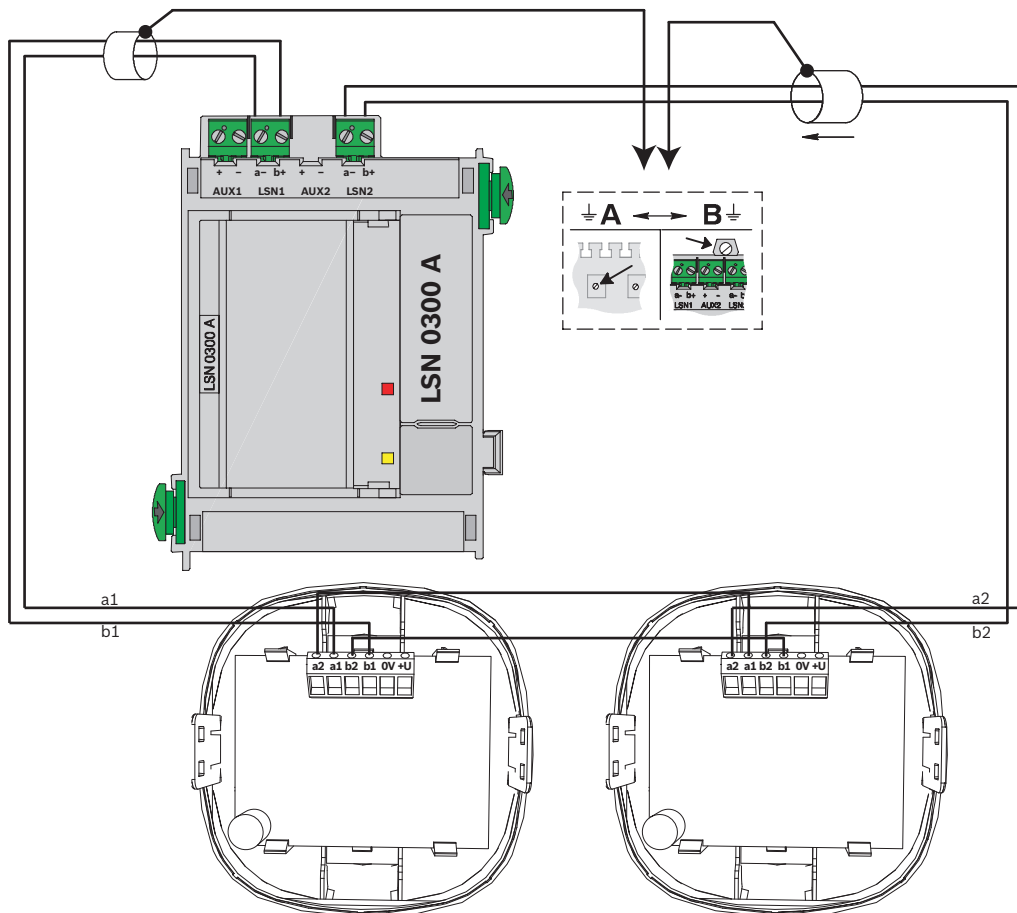




FNM-420-A / -B
FNM-420U-A / -B
FNM-420V-A



VdS 2489

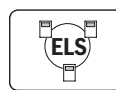


FNM-420-A/-B
FNM-420U-A/-B
FNM-420V-A

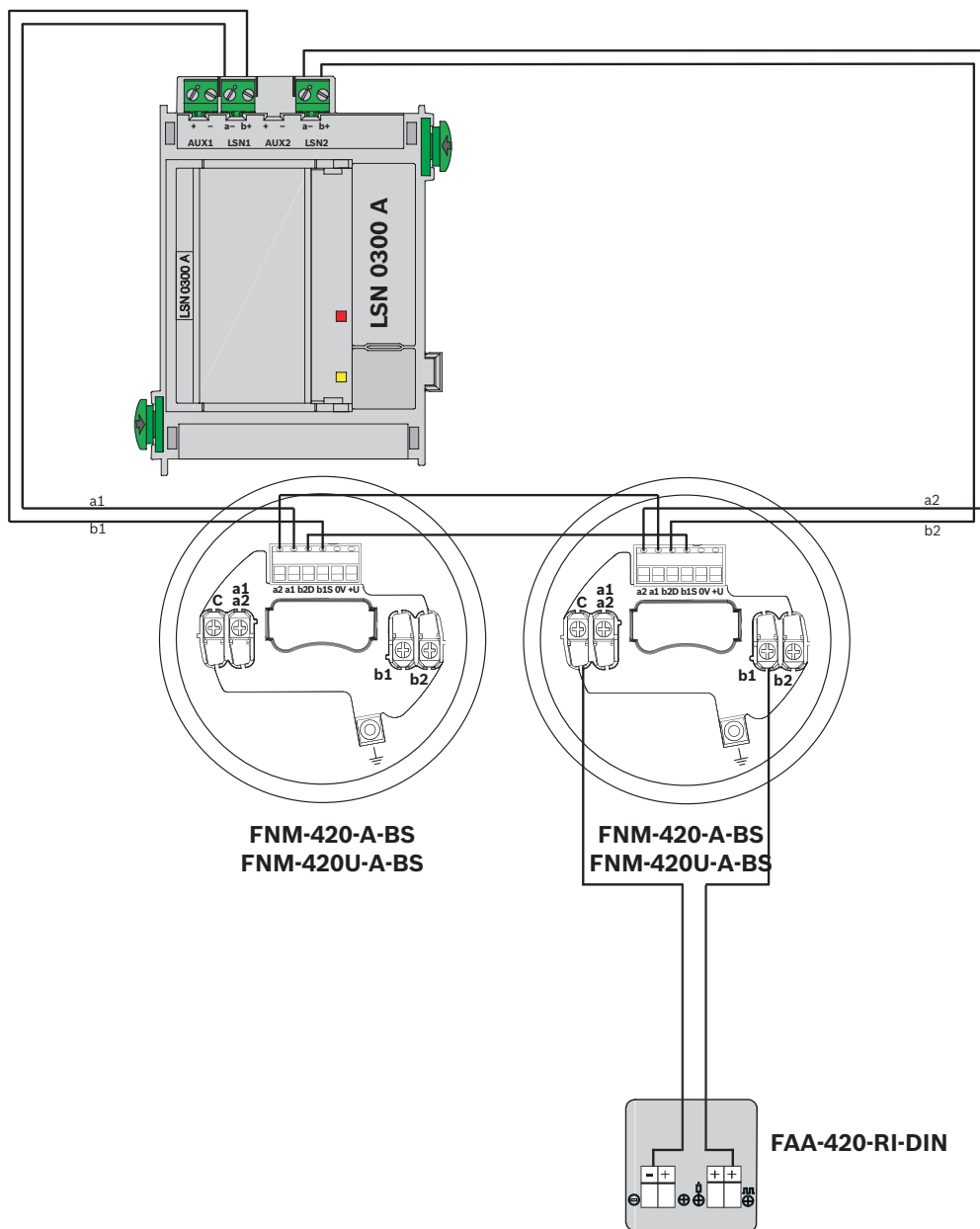
FNM-420-A/-B
FNM-420U-A/B
FNM-420V-A



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



VdS 2489

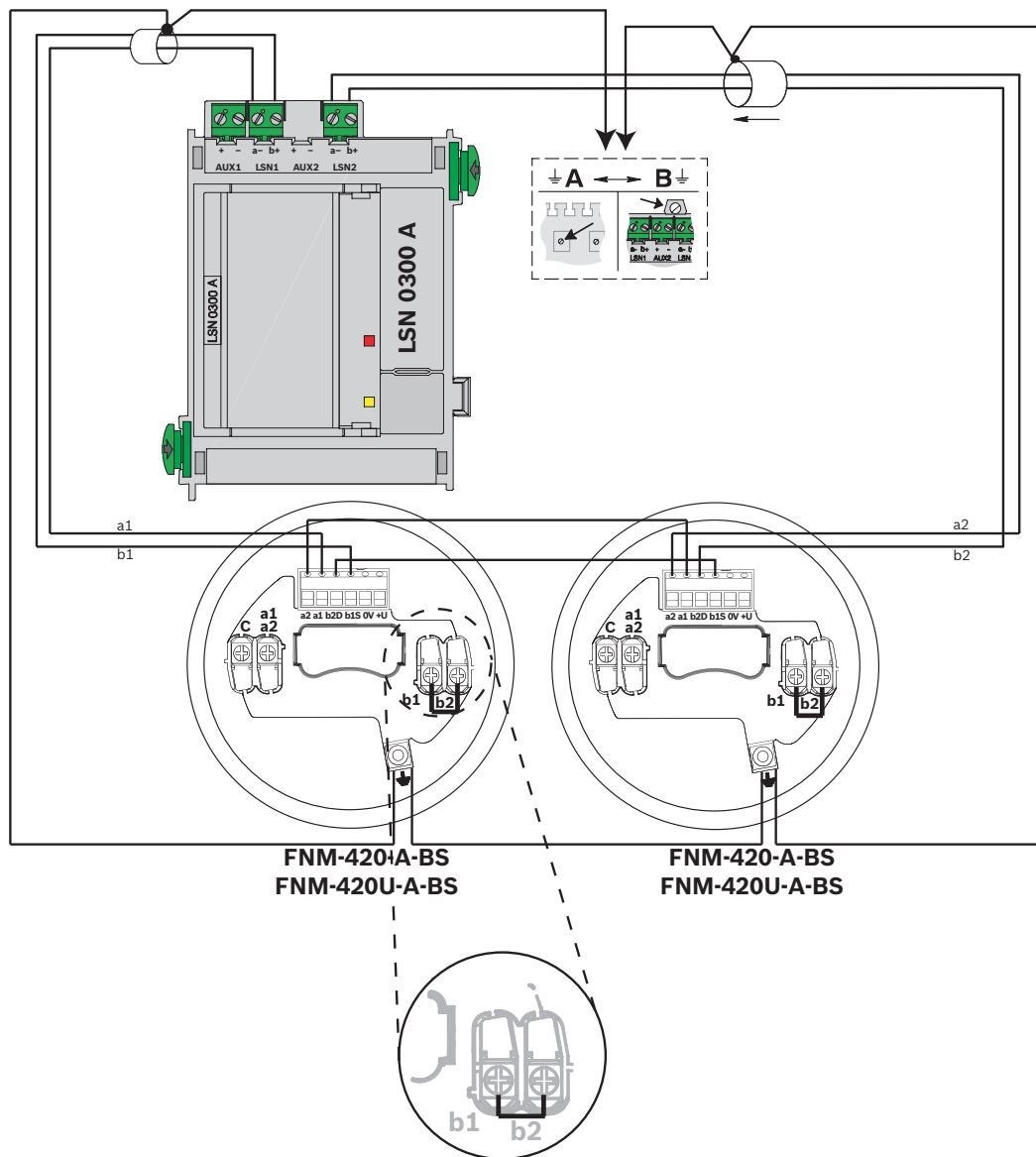




FNM-420-A-BS
FNM-420U-A-BS

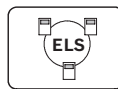


VdS 2489

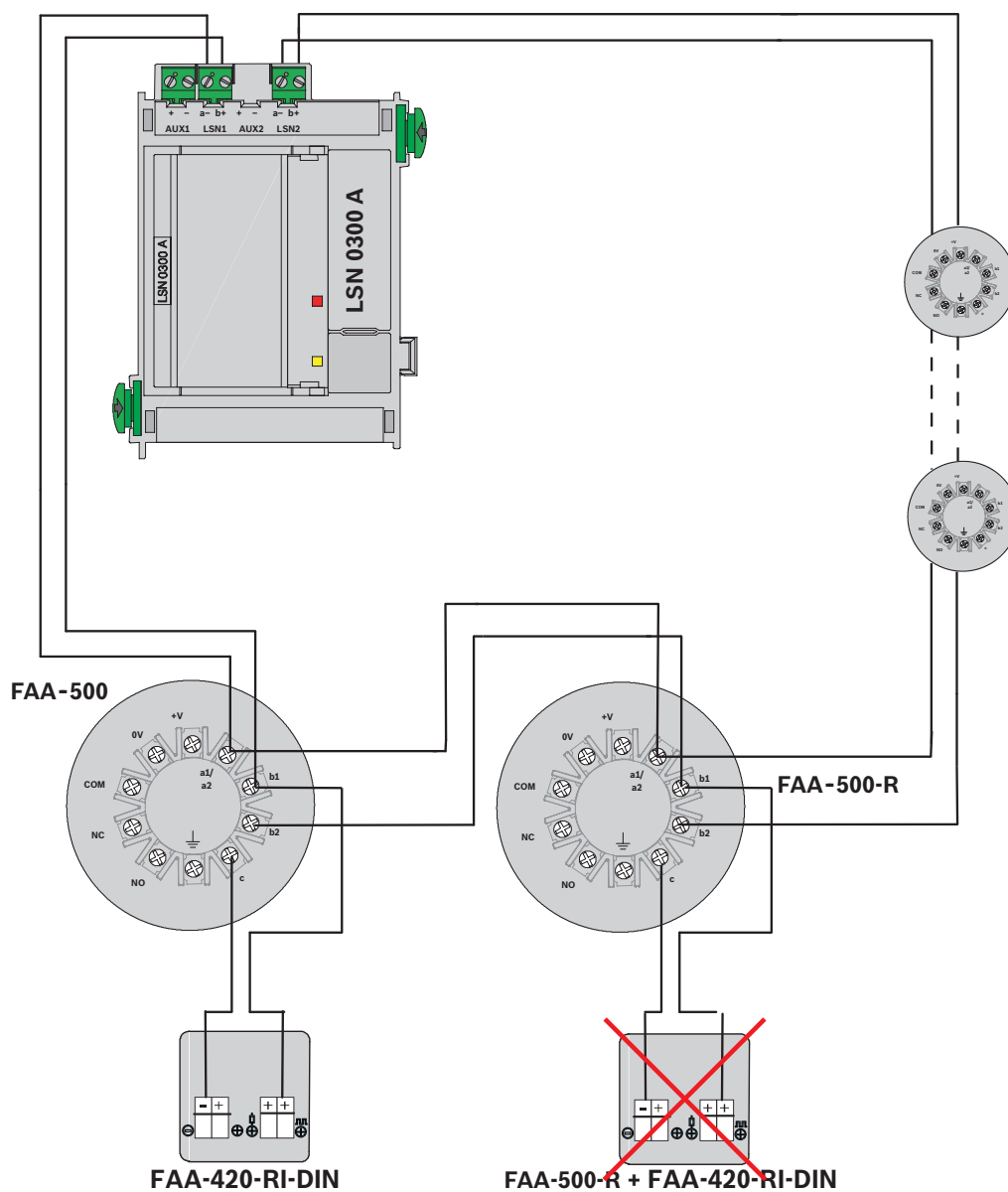




FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P

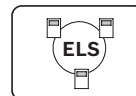


VdS 2489

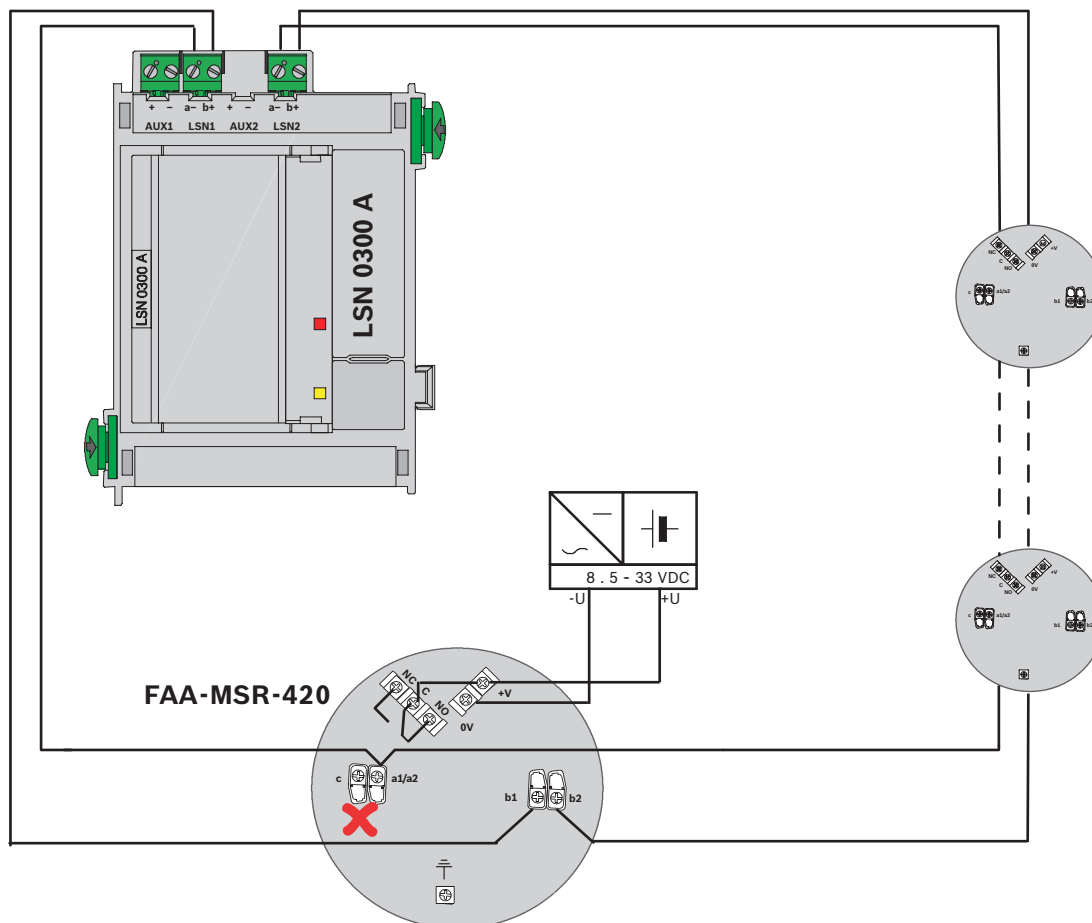




FAP-425-O/-O-R
FAP-425-OT/-OT-R
FAP-425-T-R
FAP-425-DO-R/DOT-R/DOTC-R

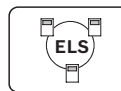


VdS 2489

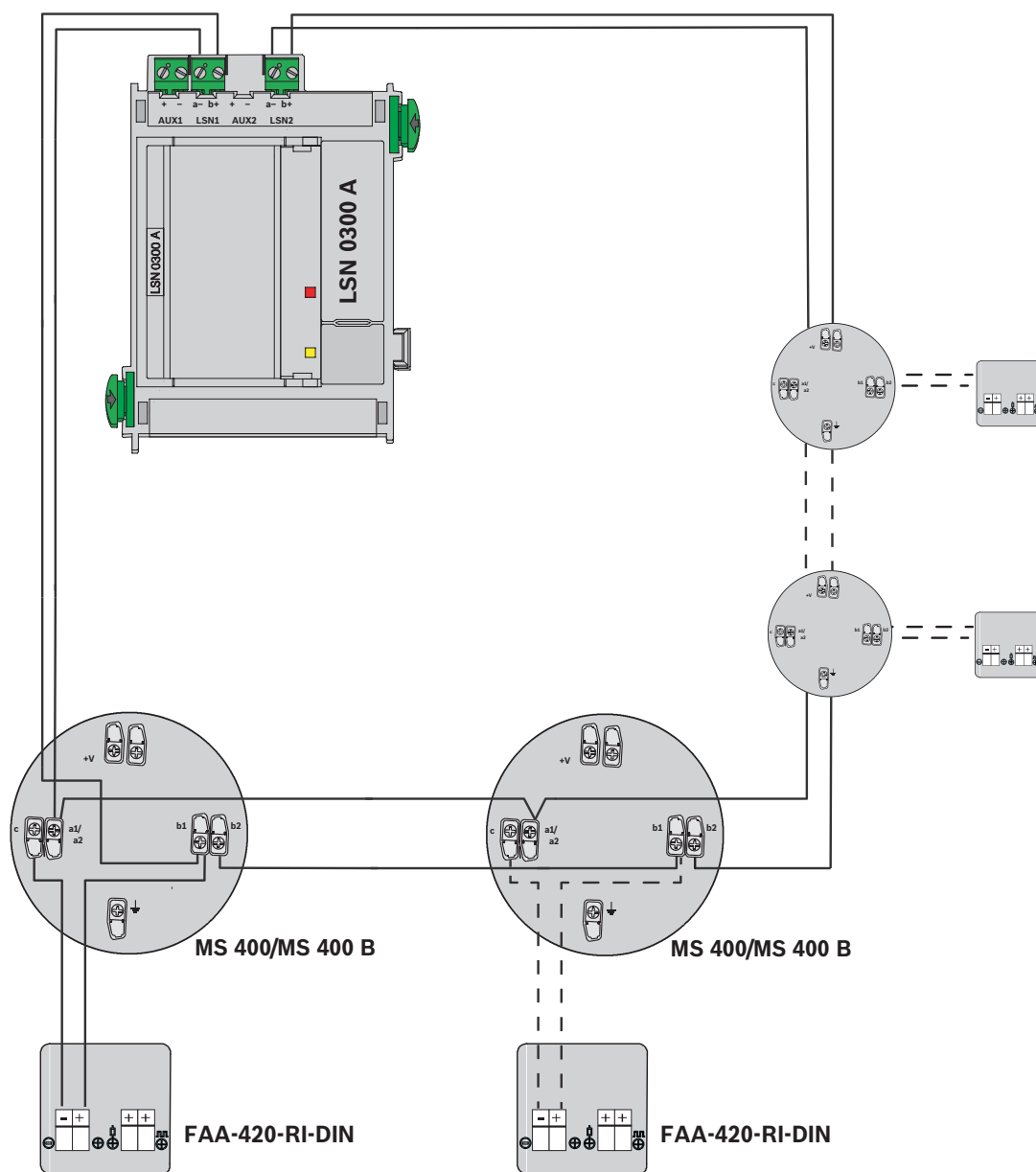


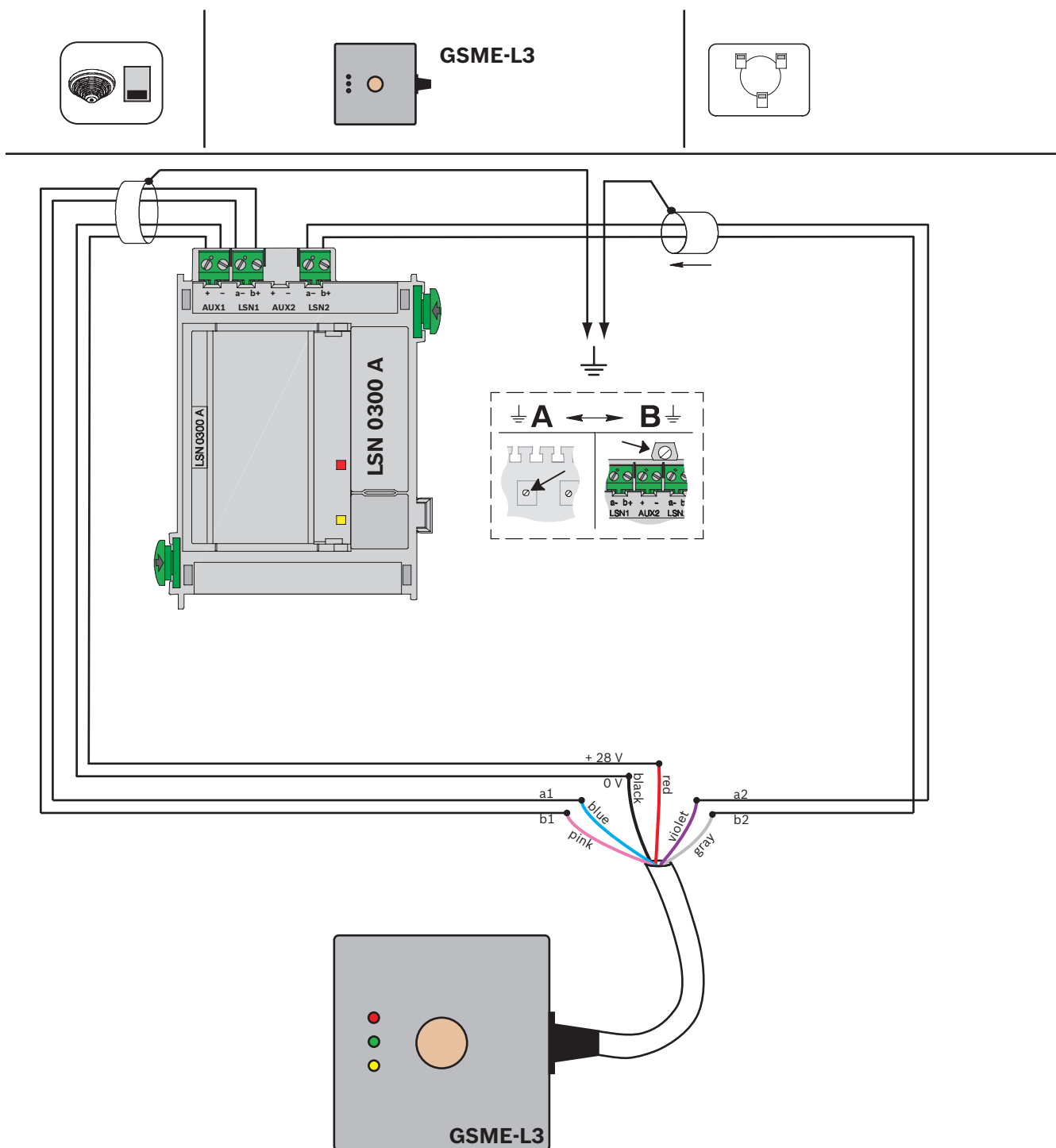


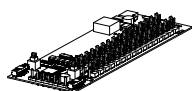
FAP-425-O/-O-R/-OT/-OT-R/-T-R
 FAP-425-DO-R/DOT-R/-DOTC-R
 FCH-320-T320/-T320-R470/-T320-FSA
 FCP-O320/-O320-R470
 FCP-OC320/-OC320-R470
 FCP-OT320/-OT320-R470



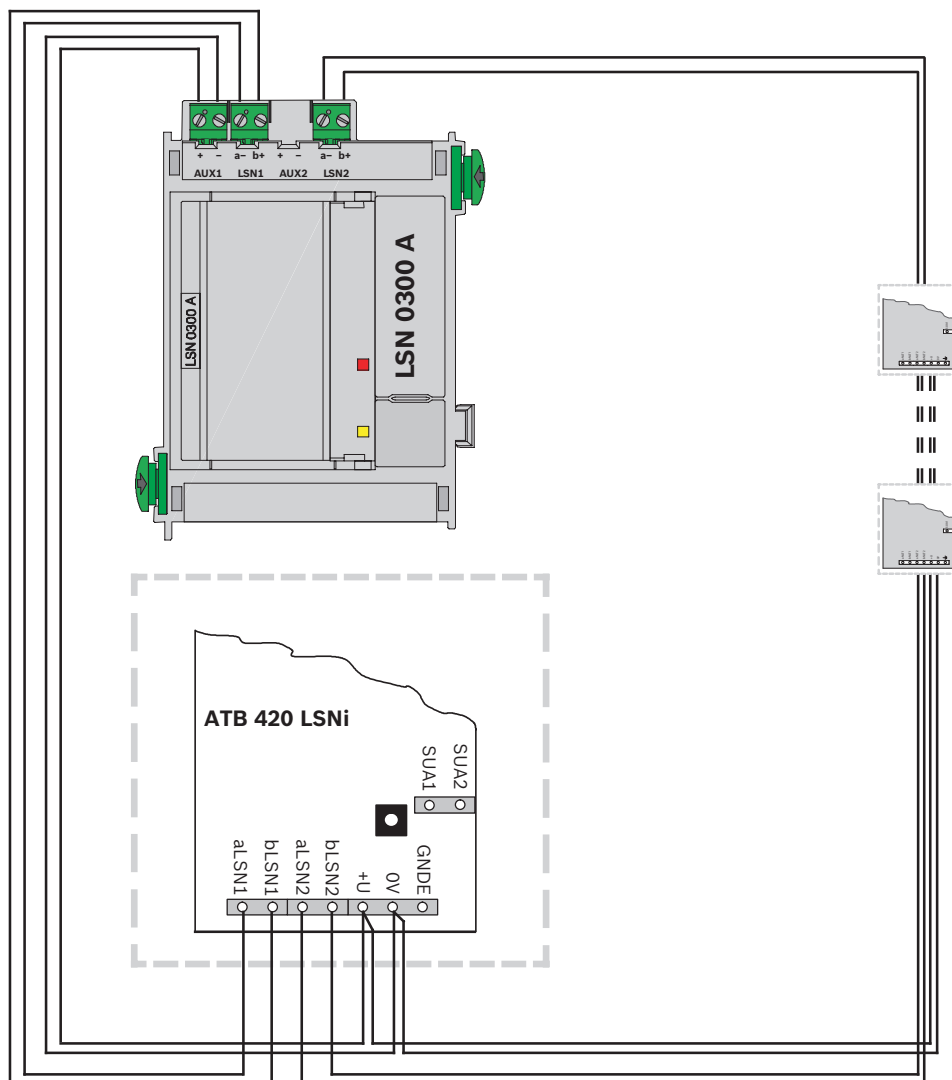
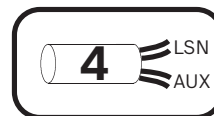
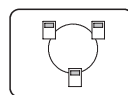
VdS 2489





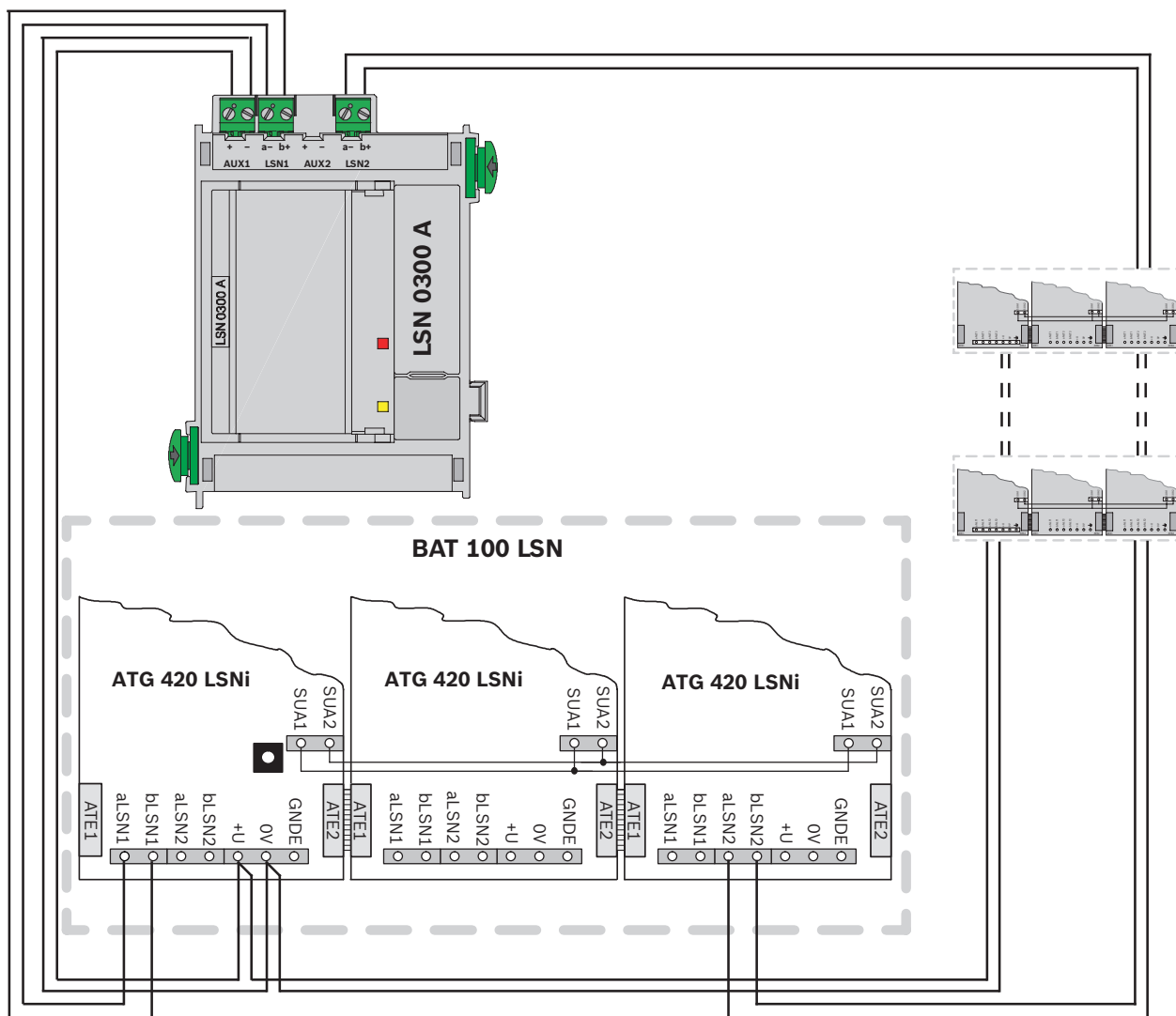
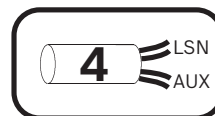
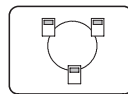


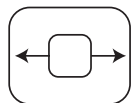
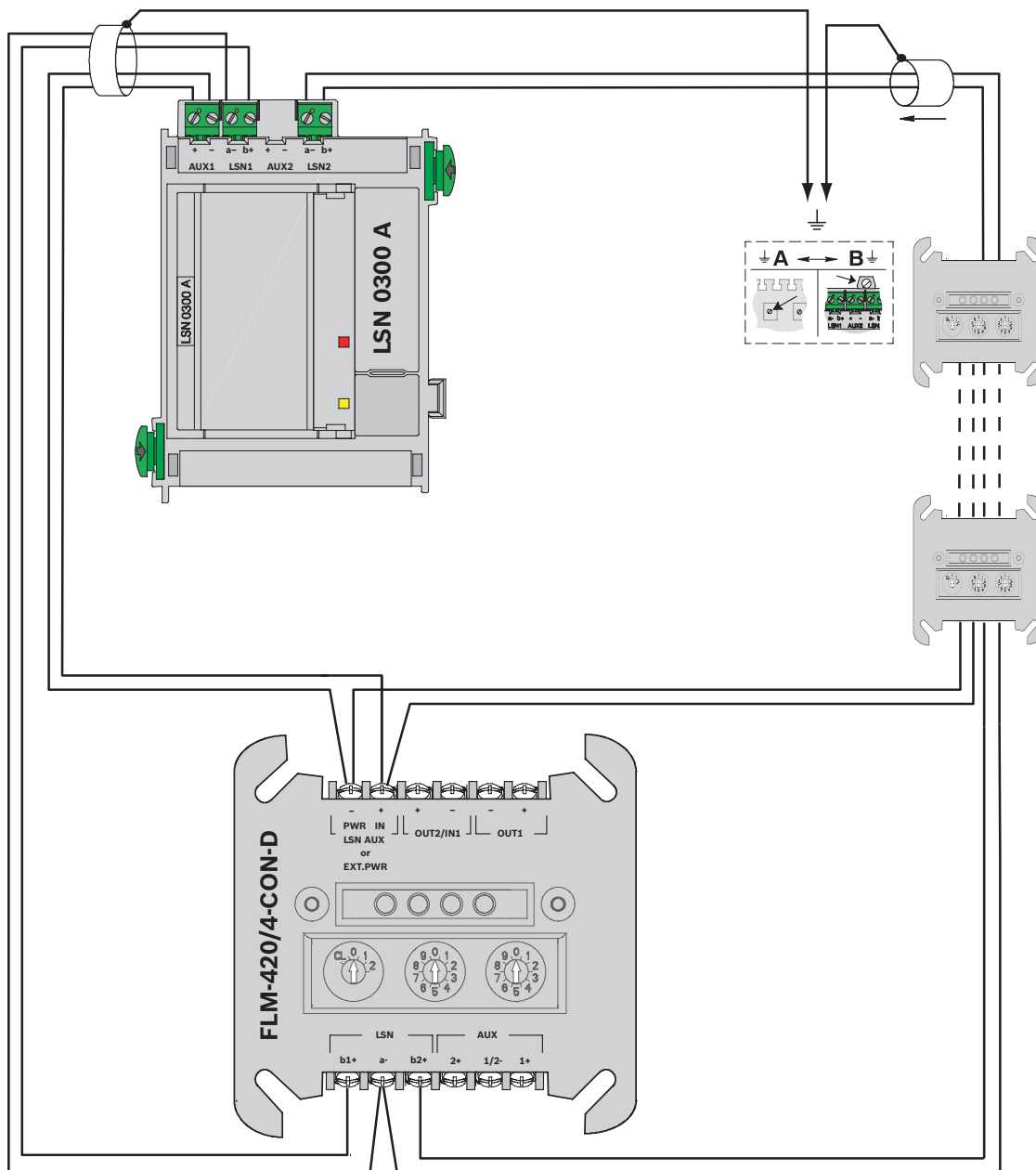
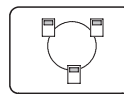
ATB 420 LSNi

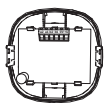




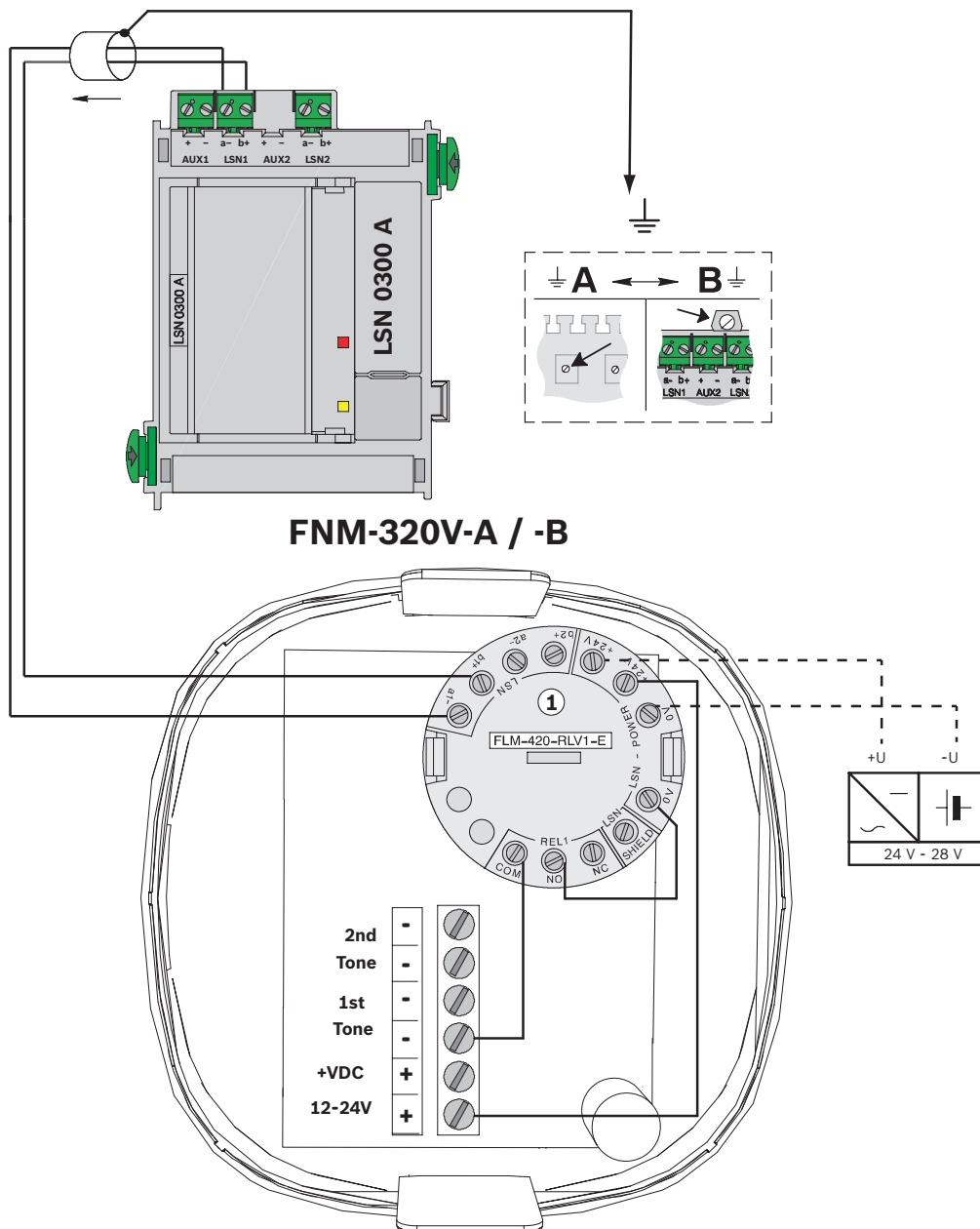
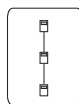
BAT 100 LSN
ATG 420 LSNi

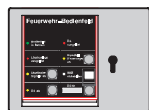


FLM-420/
4-CON-D

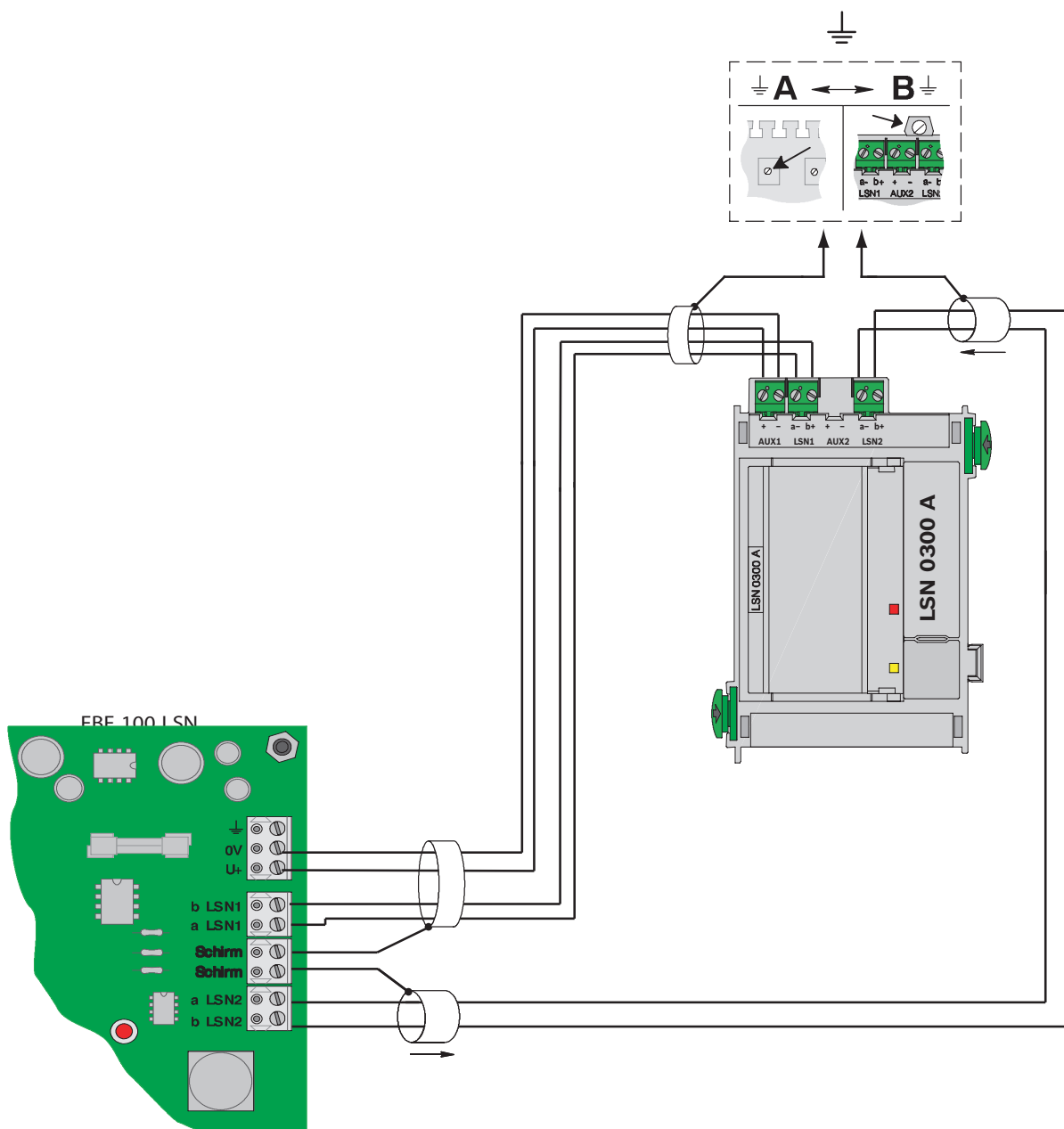
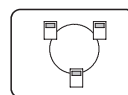


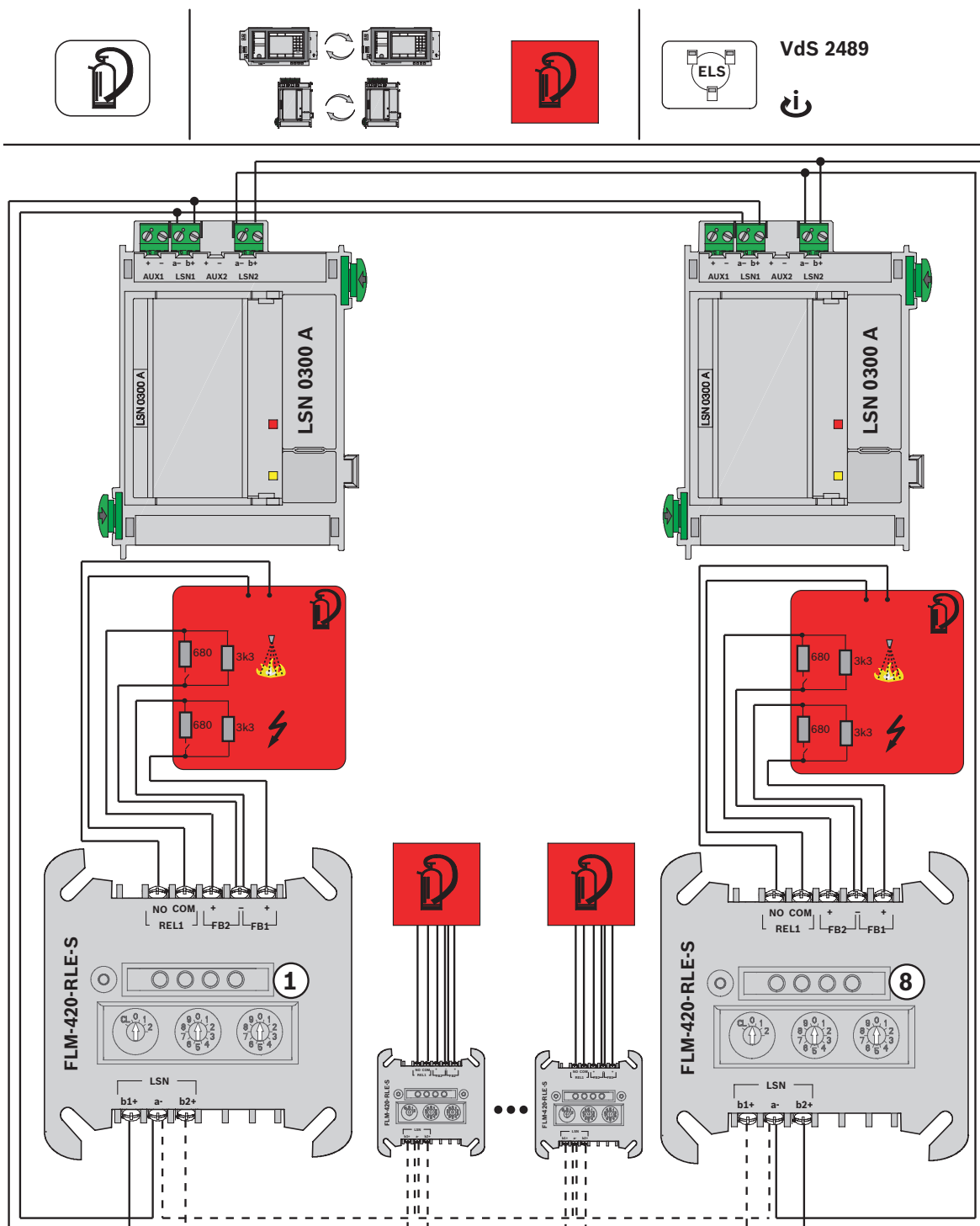
FNM-320V-A / -B

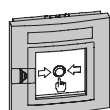
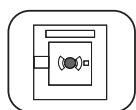




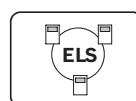
FBF 100 LSN



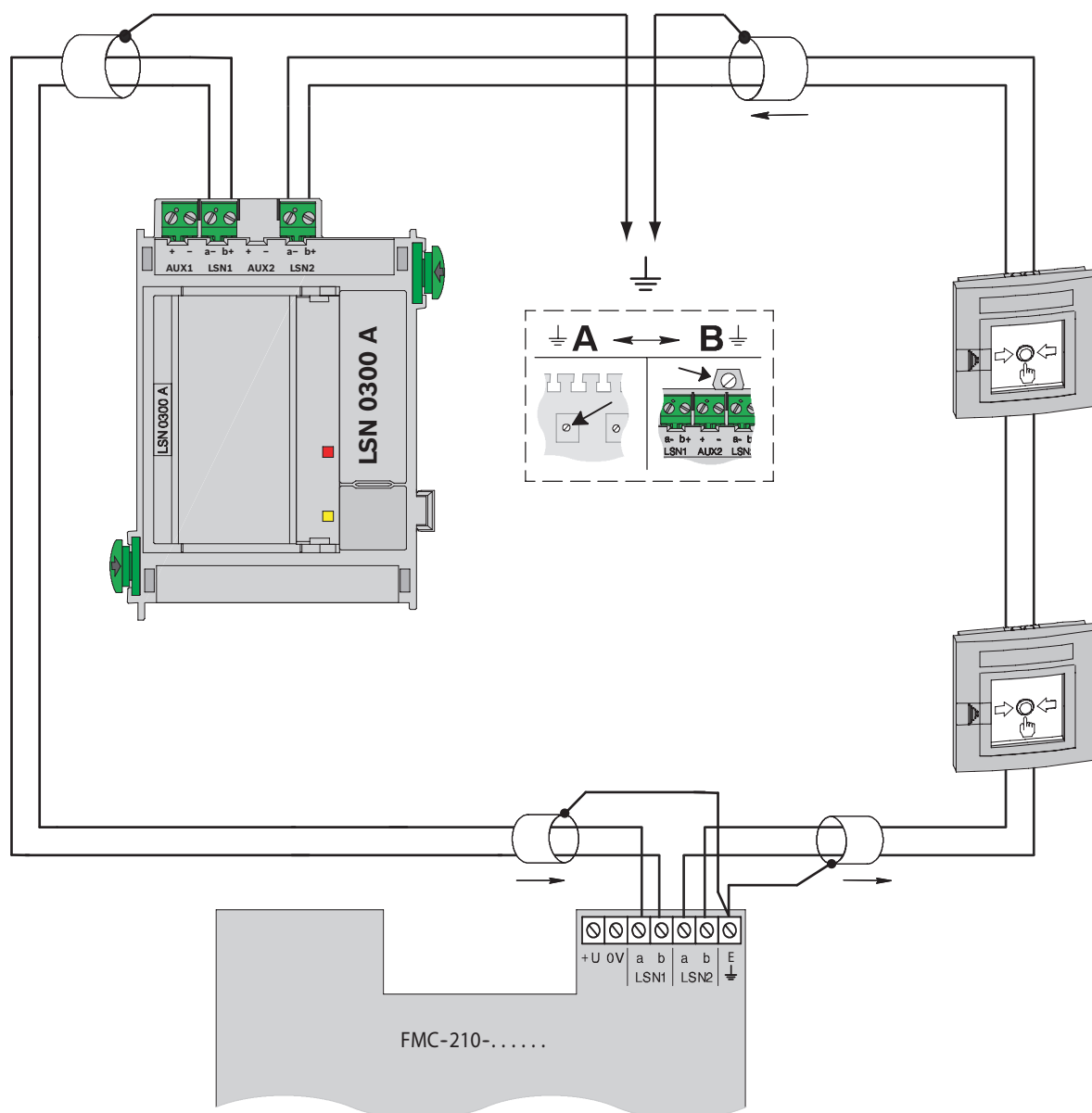


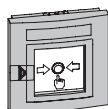
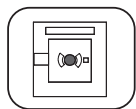


FMC-210-...

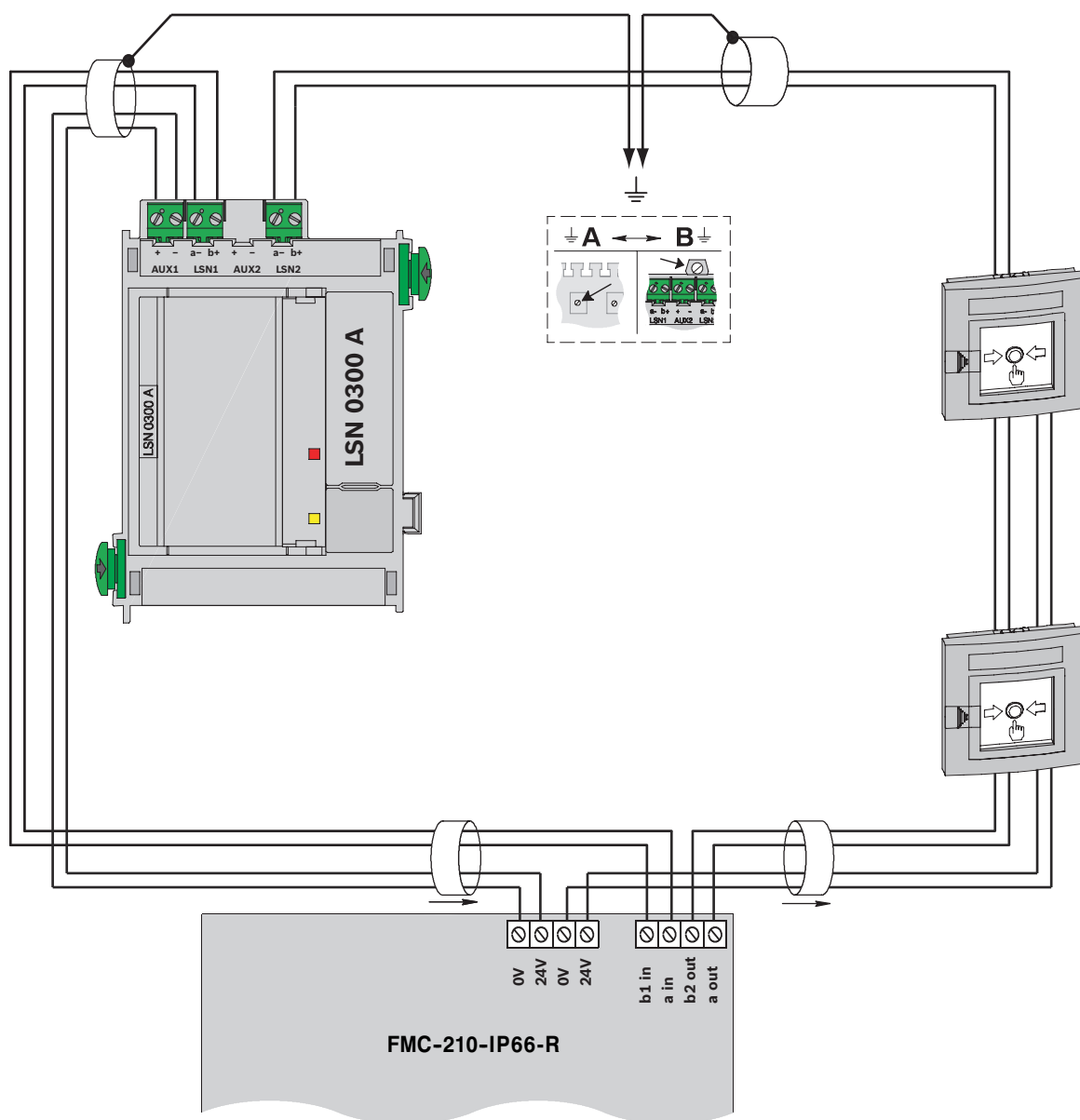
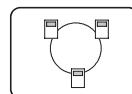


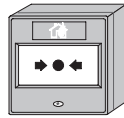
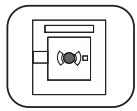
VdS 2489



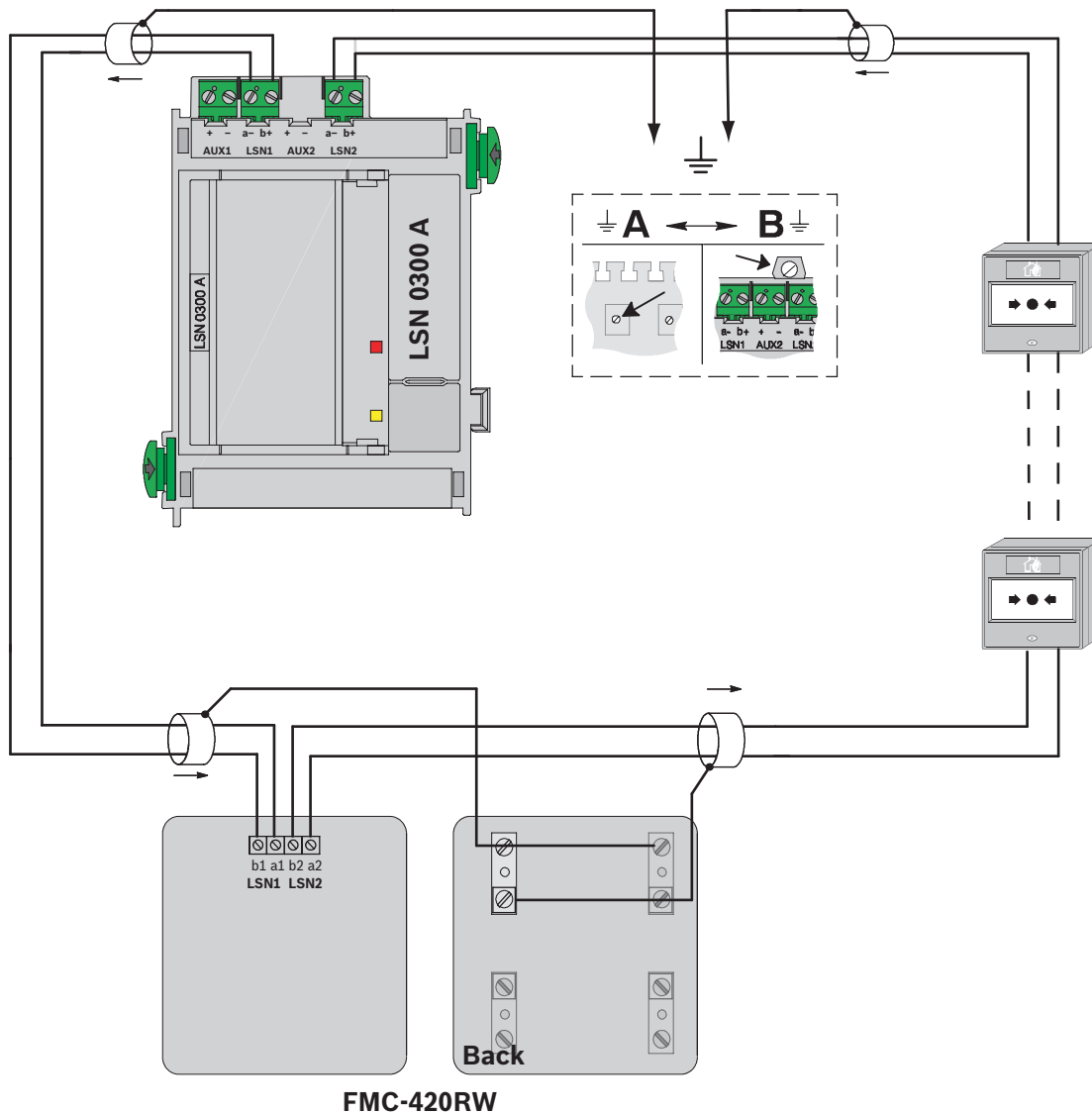
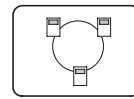


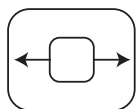
FMC-210-IP66-R



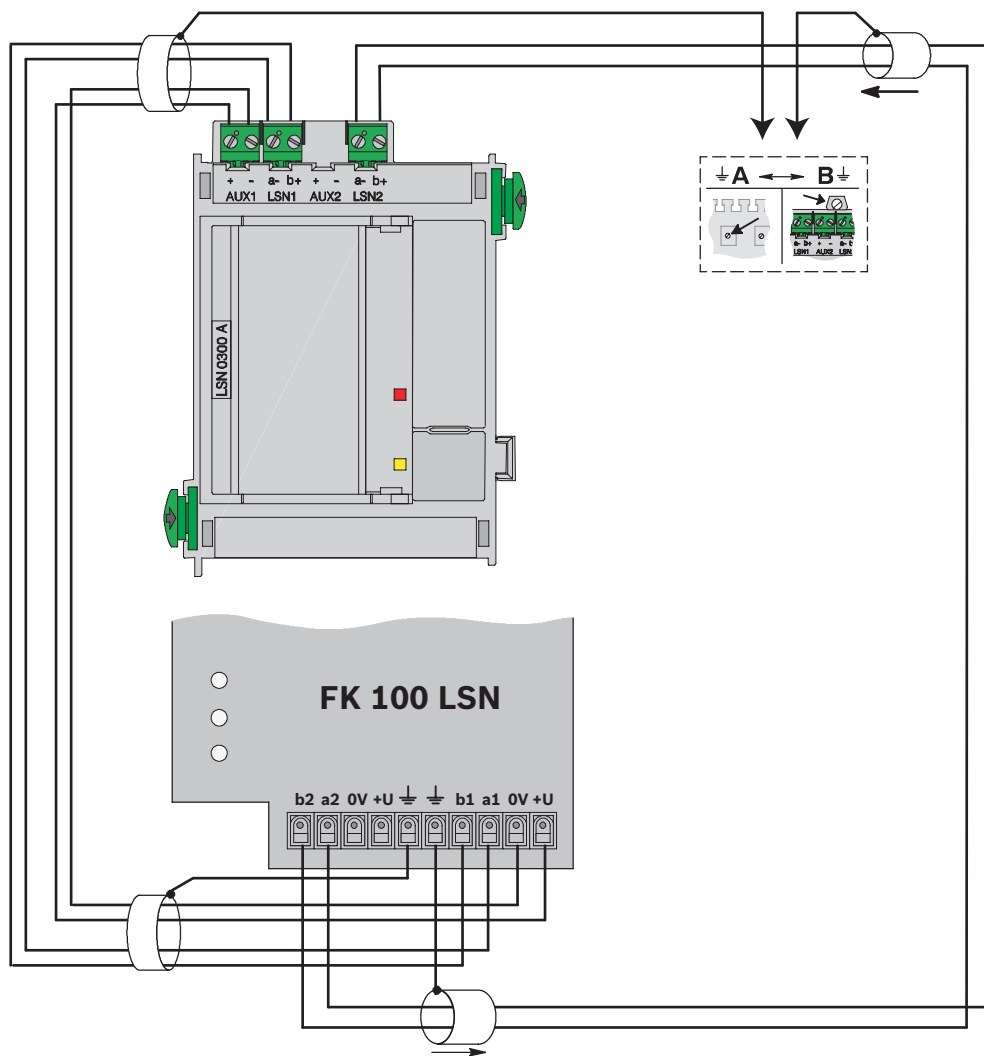
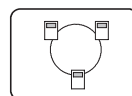


FMC-420RW-HSGRD
FMC-420RW-HSRRD
FMC-420RW-GFGRD
FMC-420RW-GFRRD
FMC-420RW-GSGRD
FMC-420RW-GSRRD



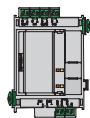
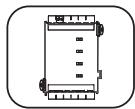


FK 100 LSN

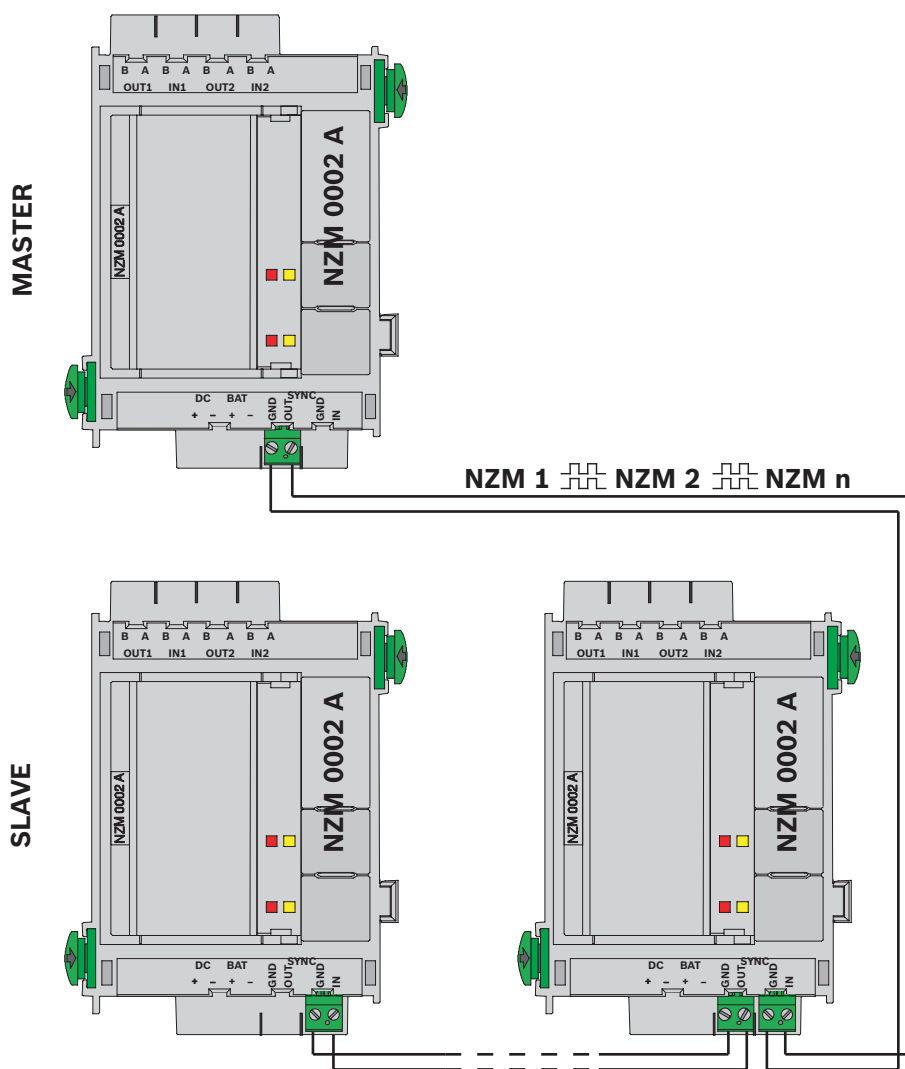


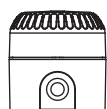
3.3.5

NZM 0002 A

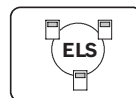


NZM 0002 A

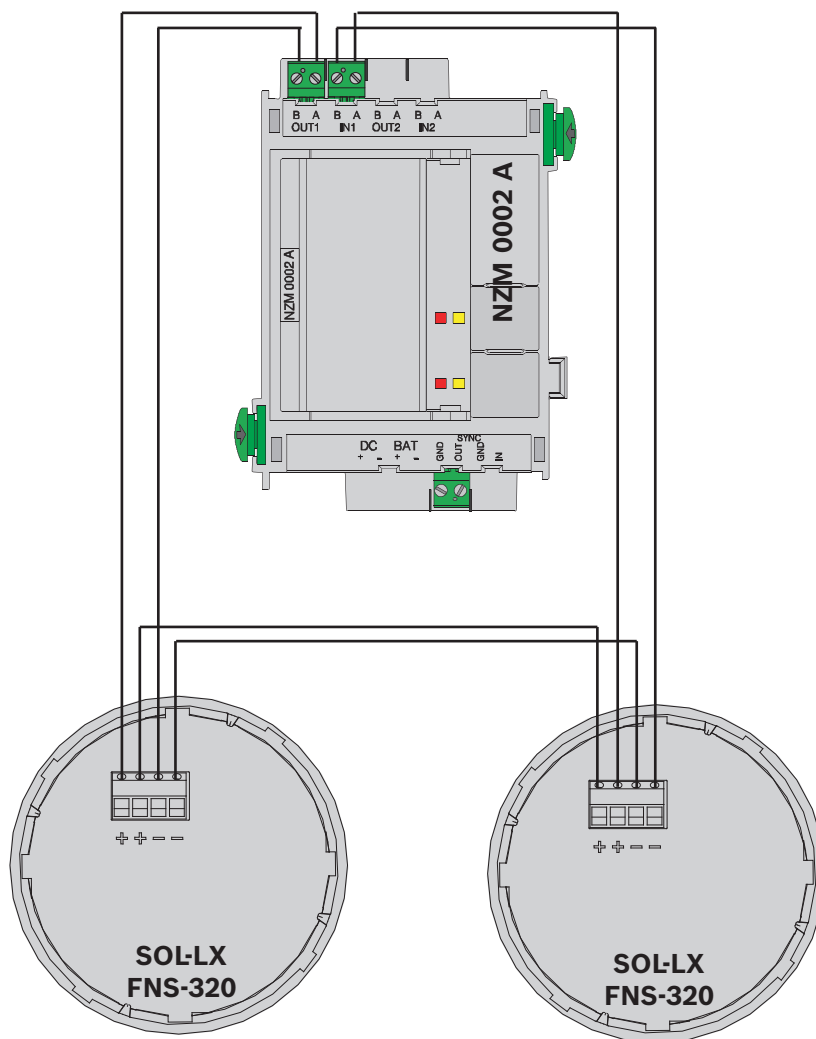


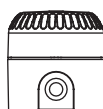
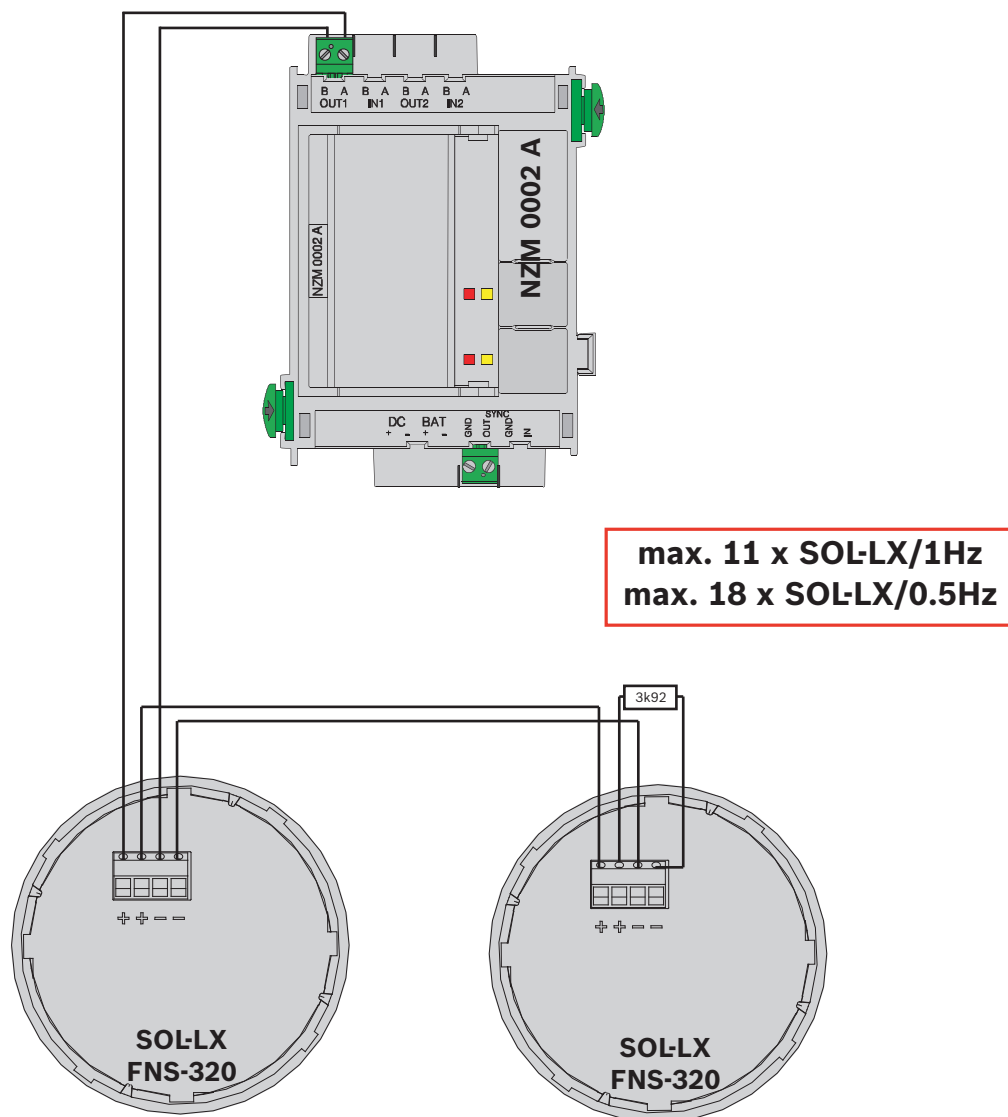
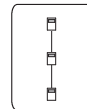


**SOL-LX
FNS-320**



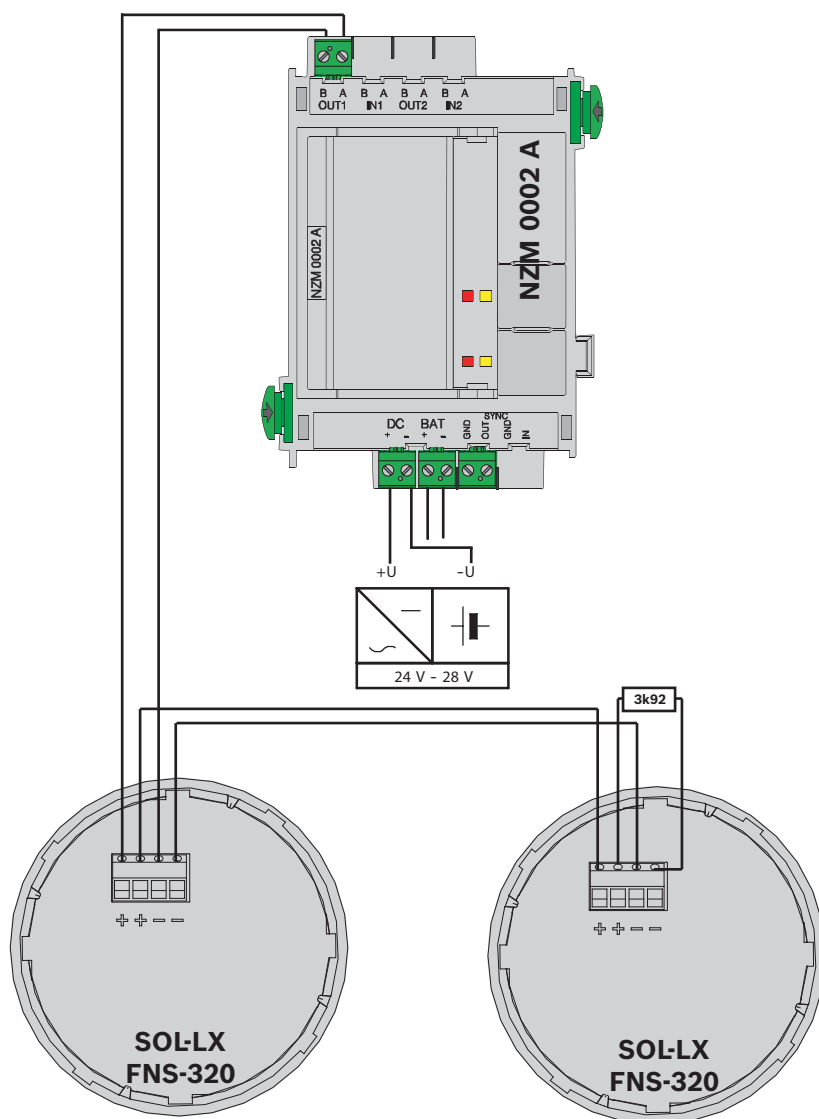
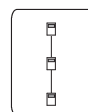
VdS 2489

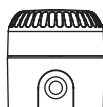


**SOL-LX
FNS-320**

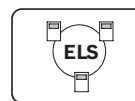
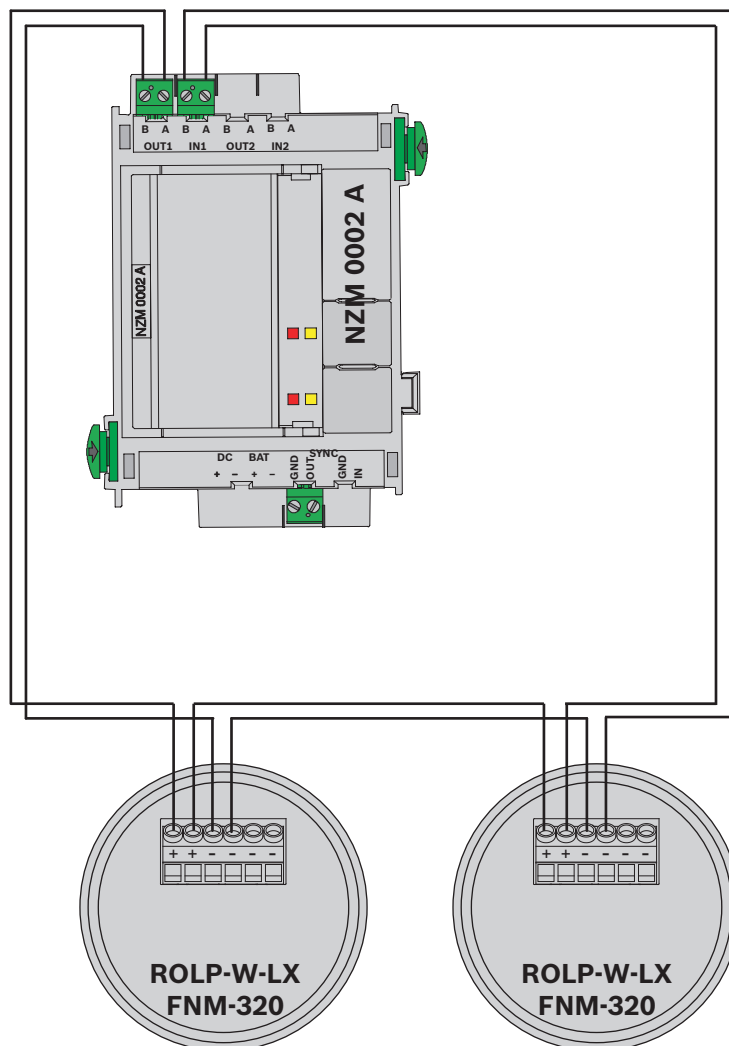


**SOL-LX
FNS-320**



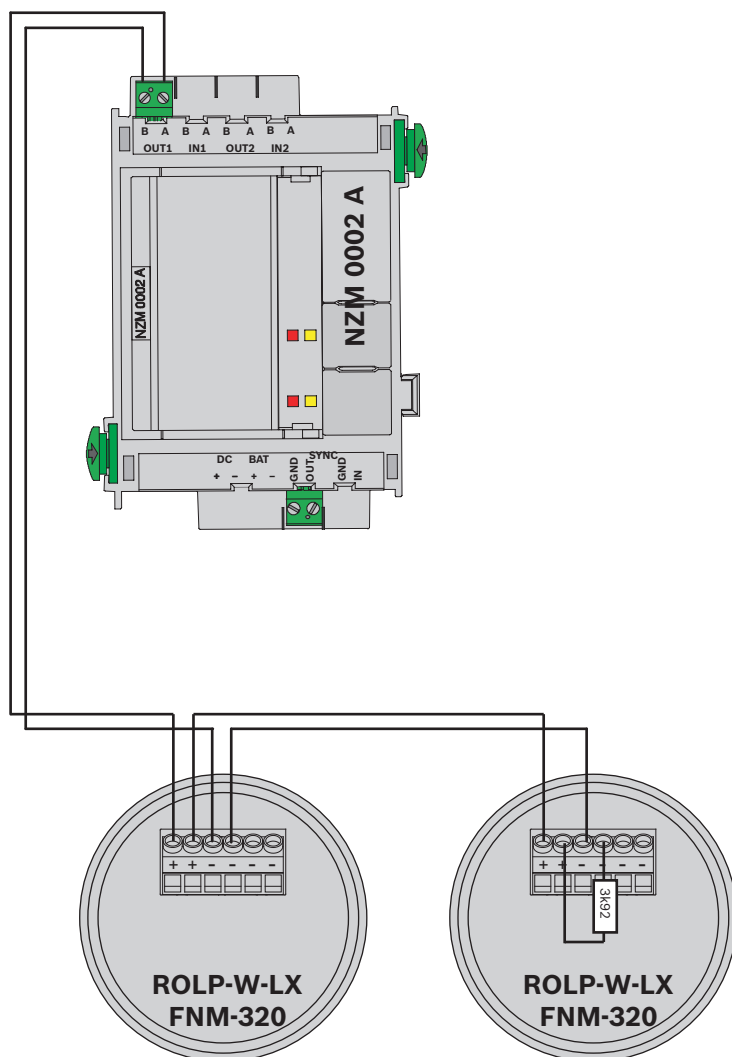
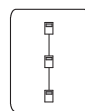


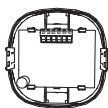
ROLP-W-LX
FNM-320

**VdS 2489**

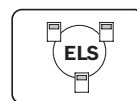


**ROLP-W-LX
FNM-320**

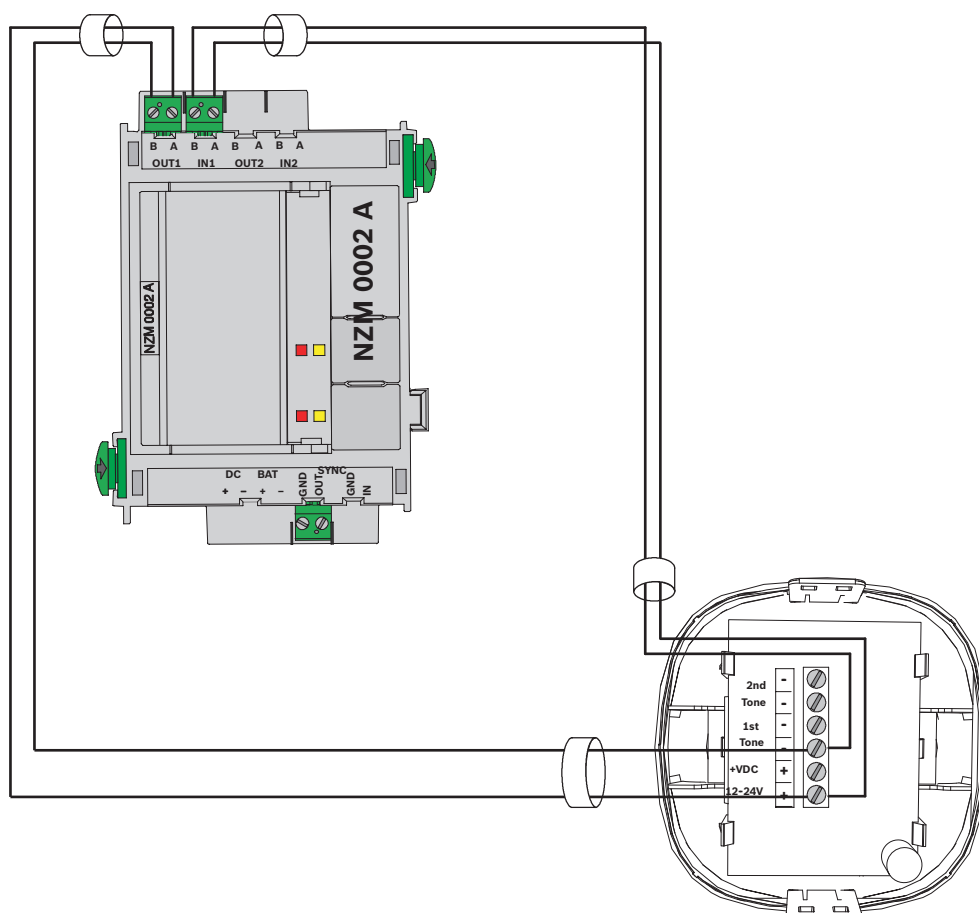


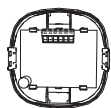
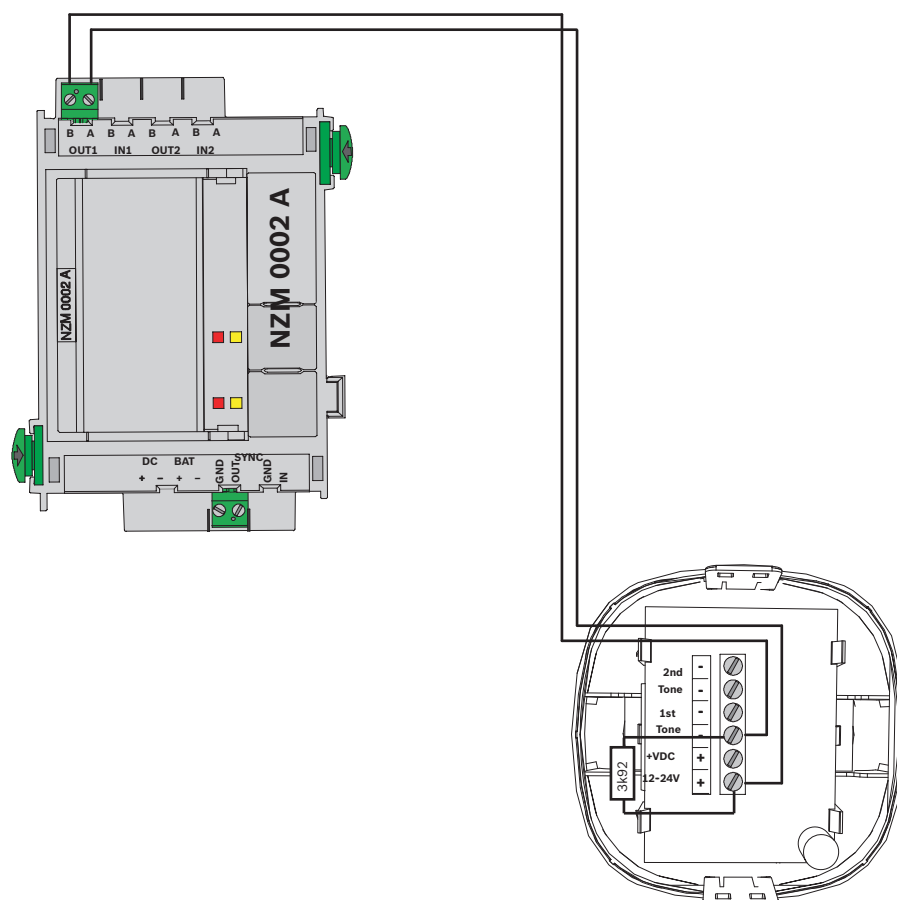
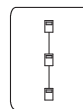


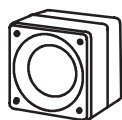
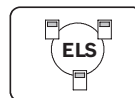
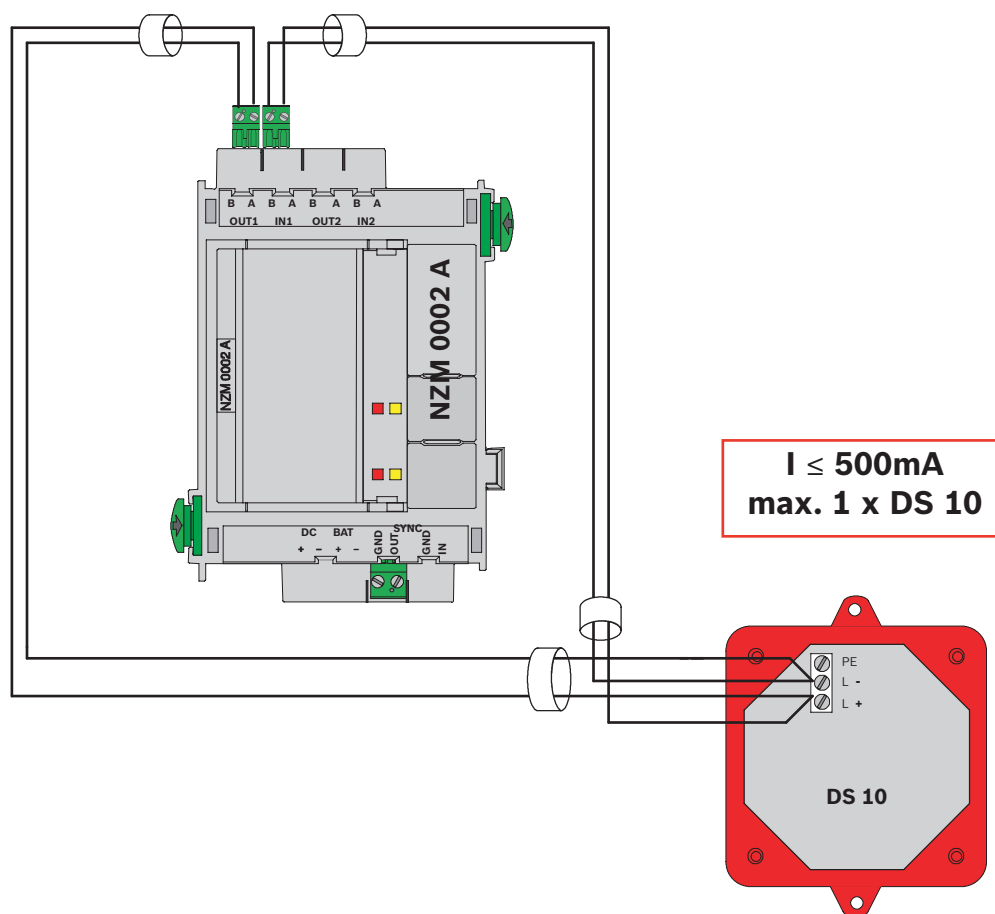
FNM-320V-A / -B



VdS 2489

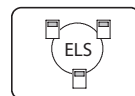


**FNM-320V-A / -B**

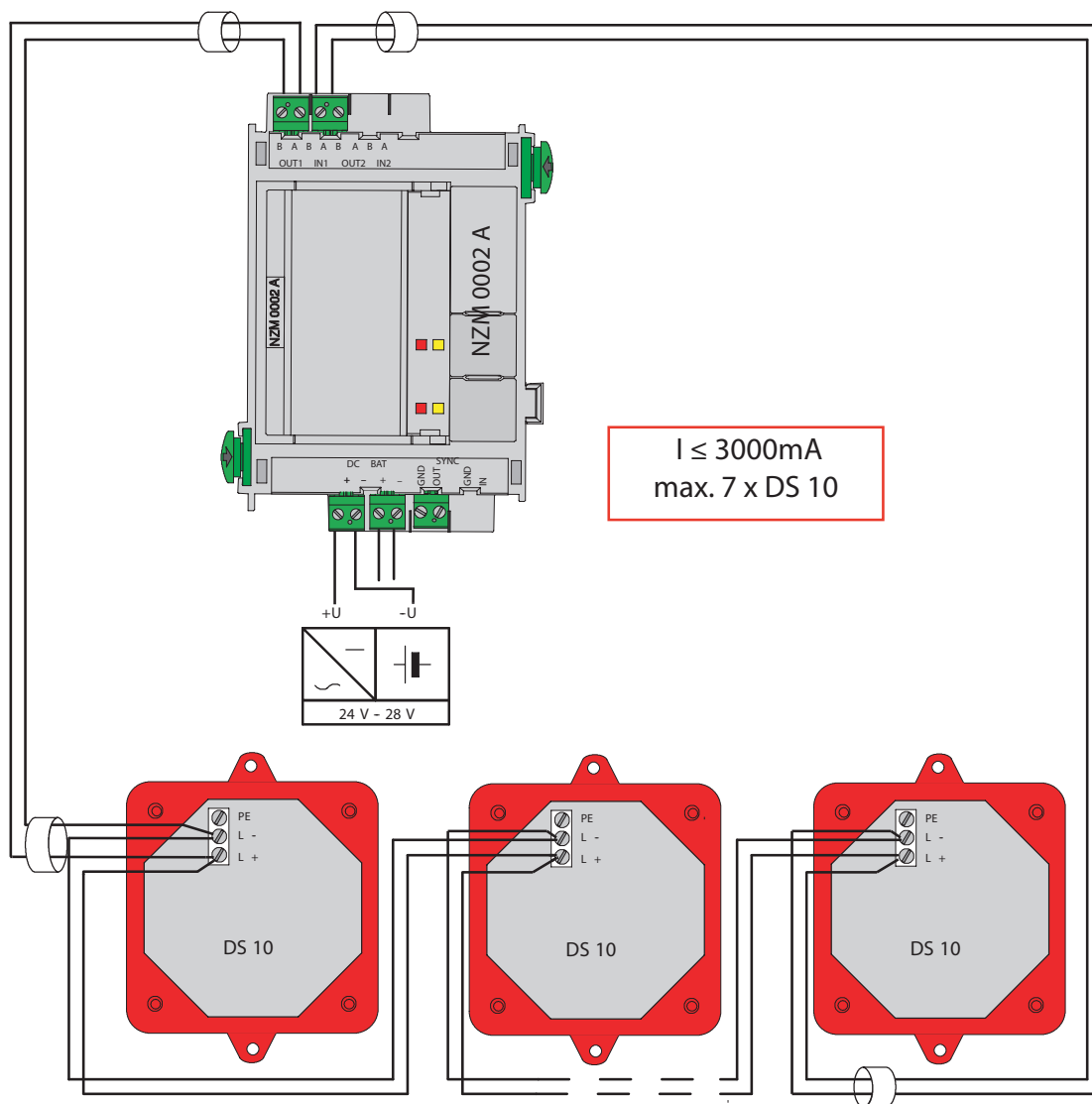
**DS 10****VdS 2489**

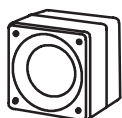
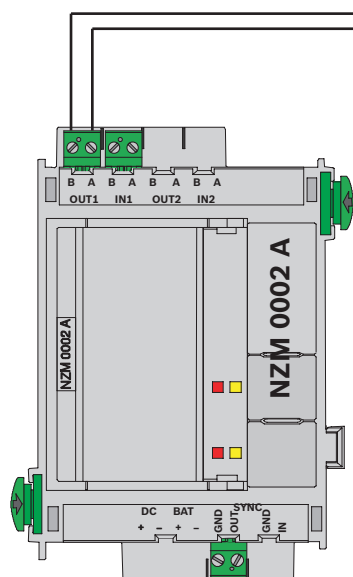
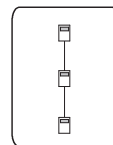


DS 10

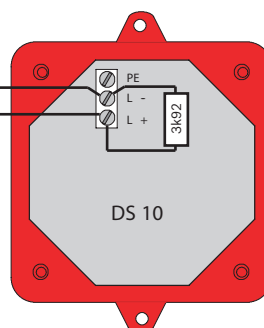


VdS 2489



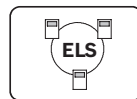
**DS 10**

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

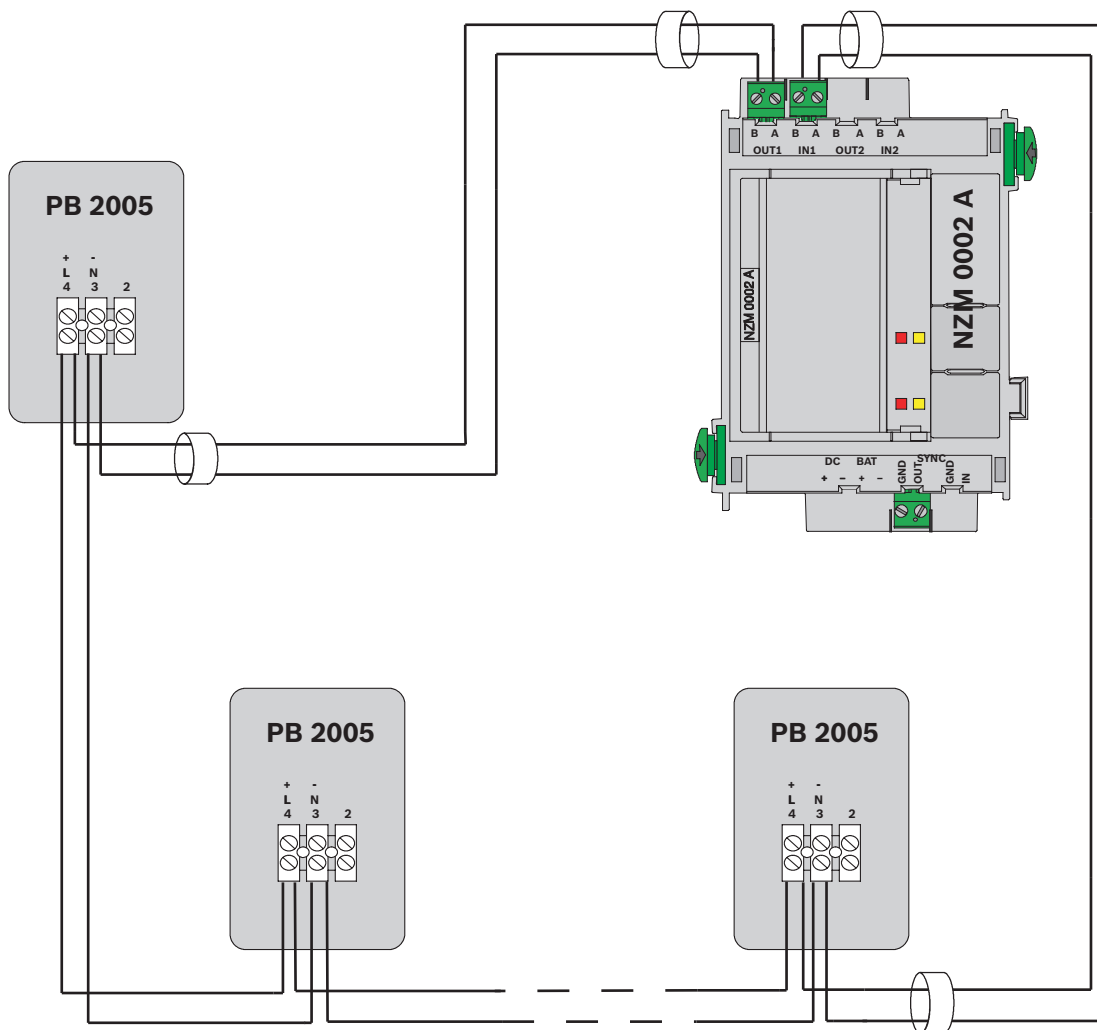


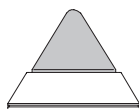


PB 2005

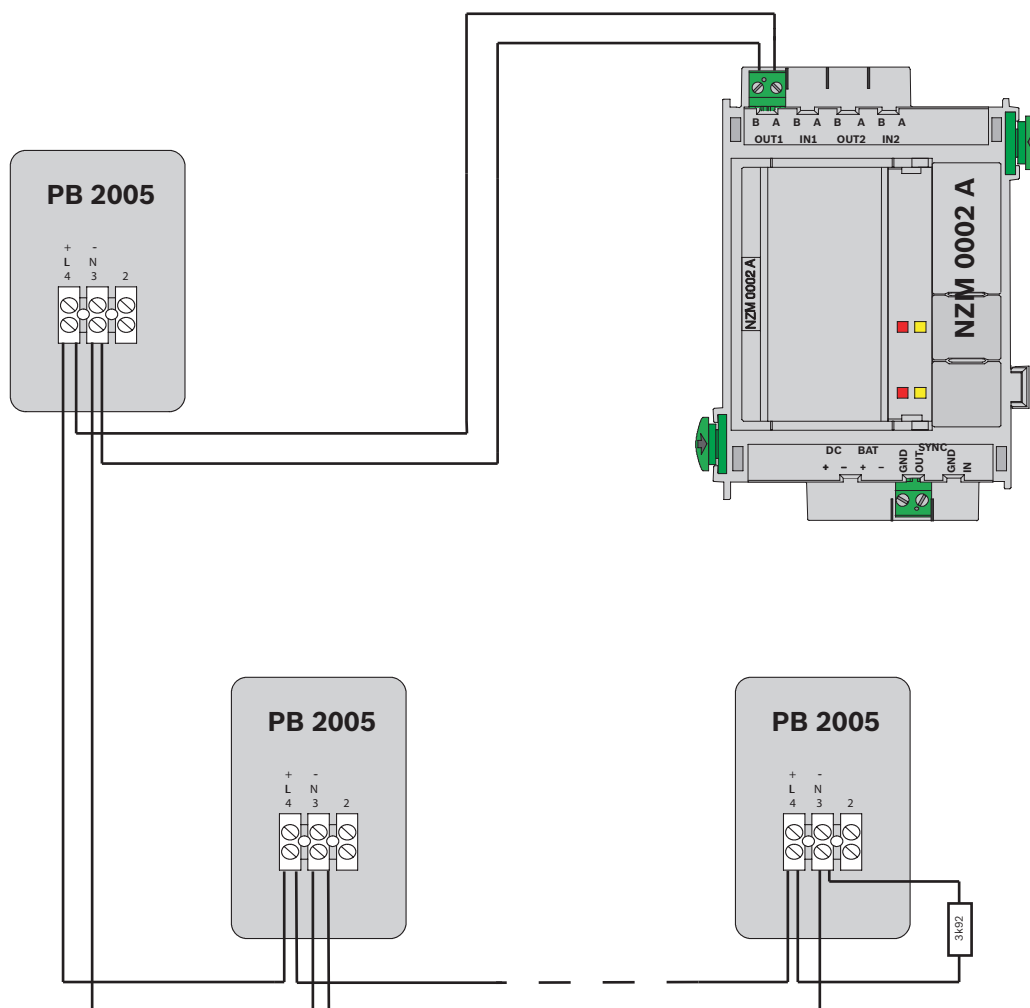
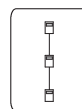


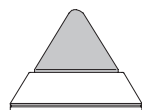
VdS 2489



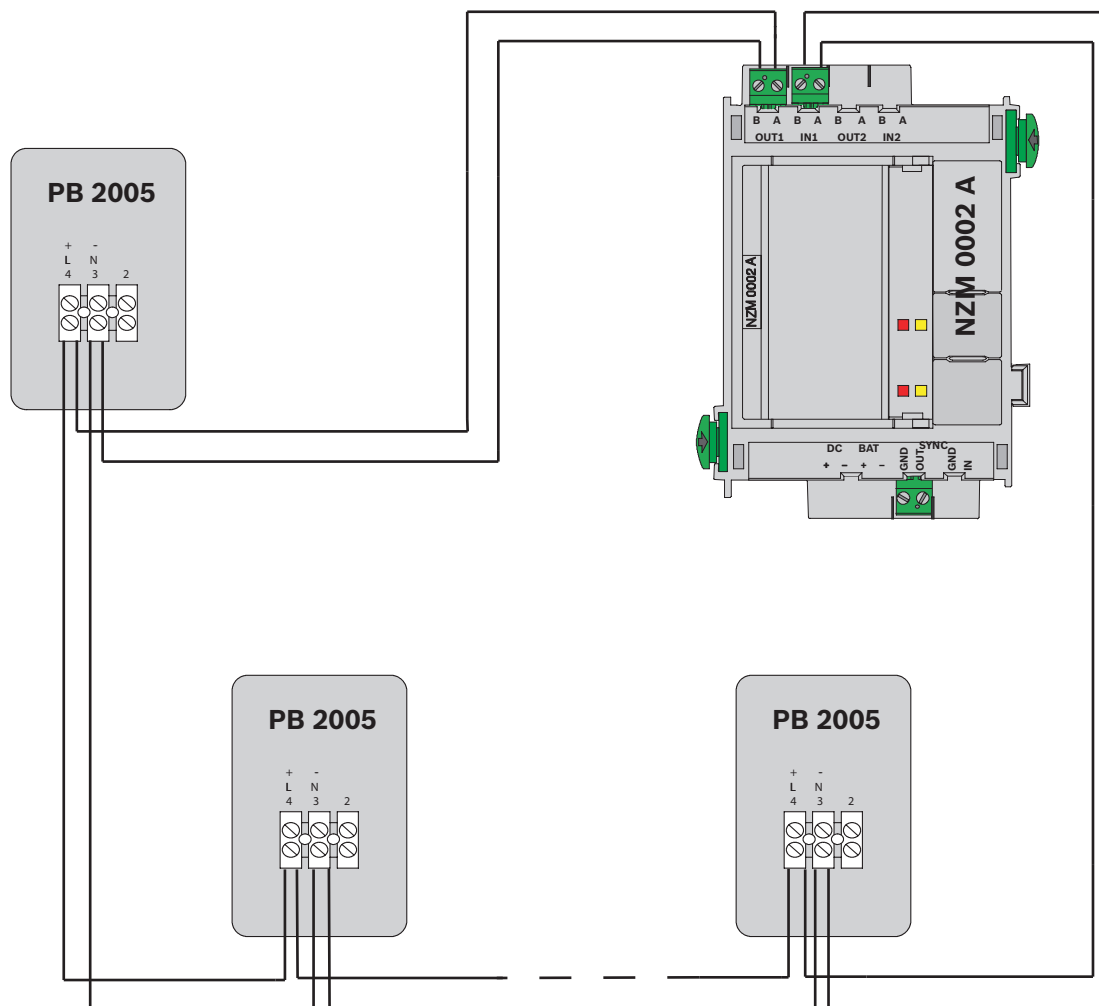
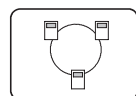


PB 2005



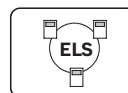


PB 2005

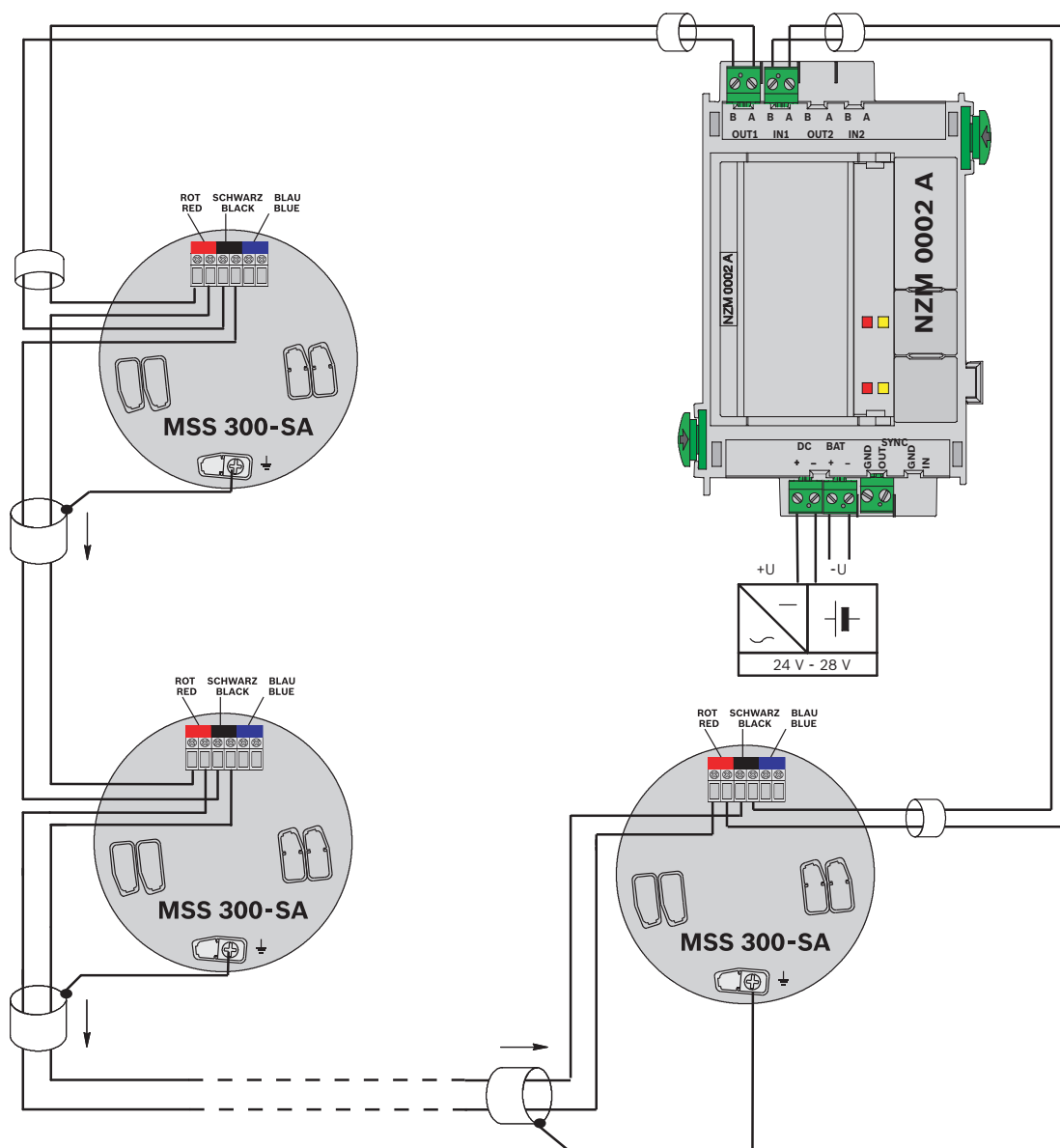




MSS 300-SA

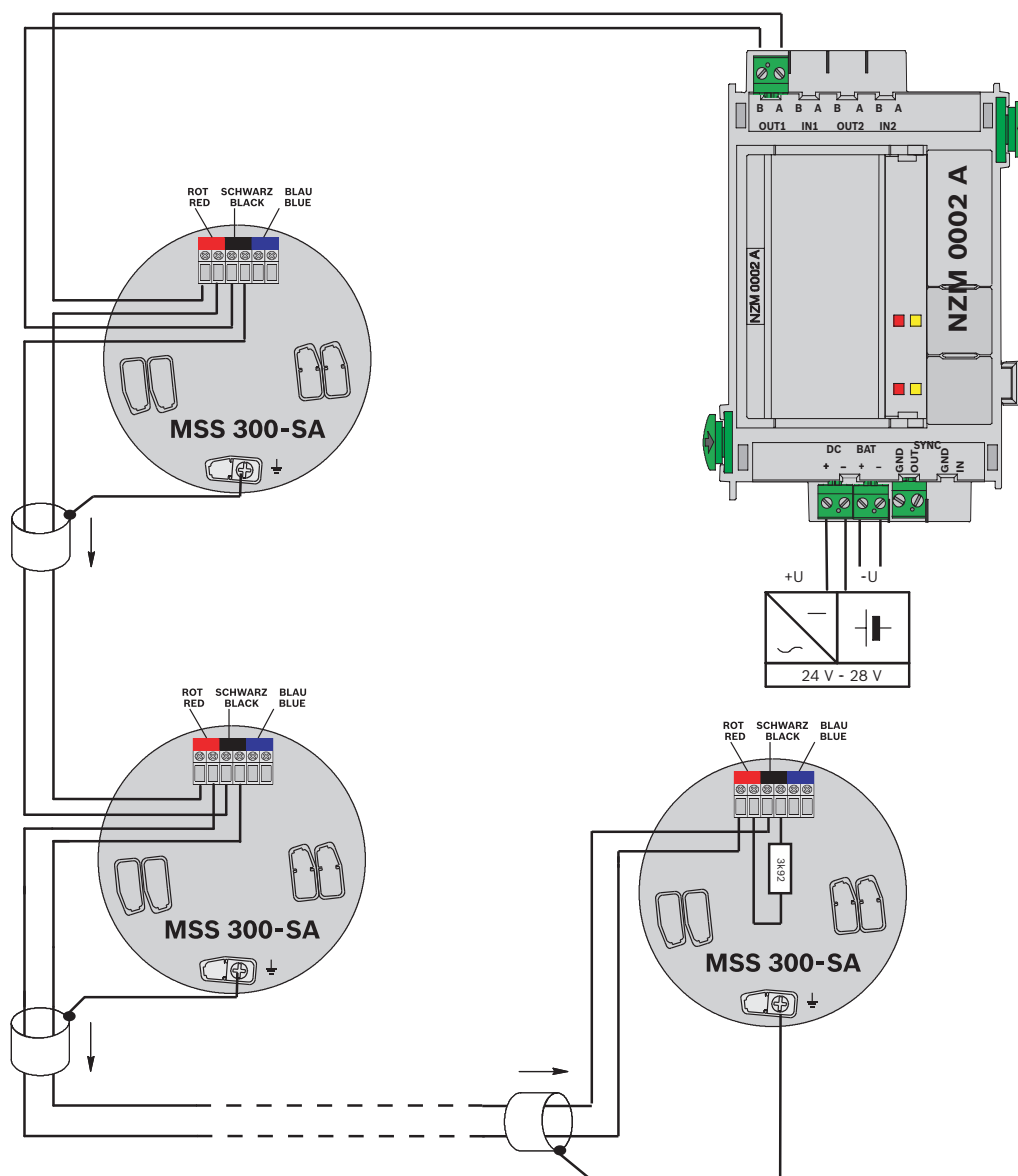
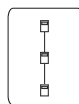


VdS 2489





MSS 300-SA



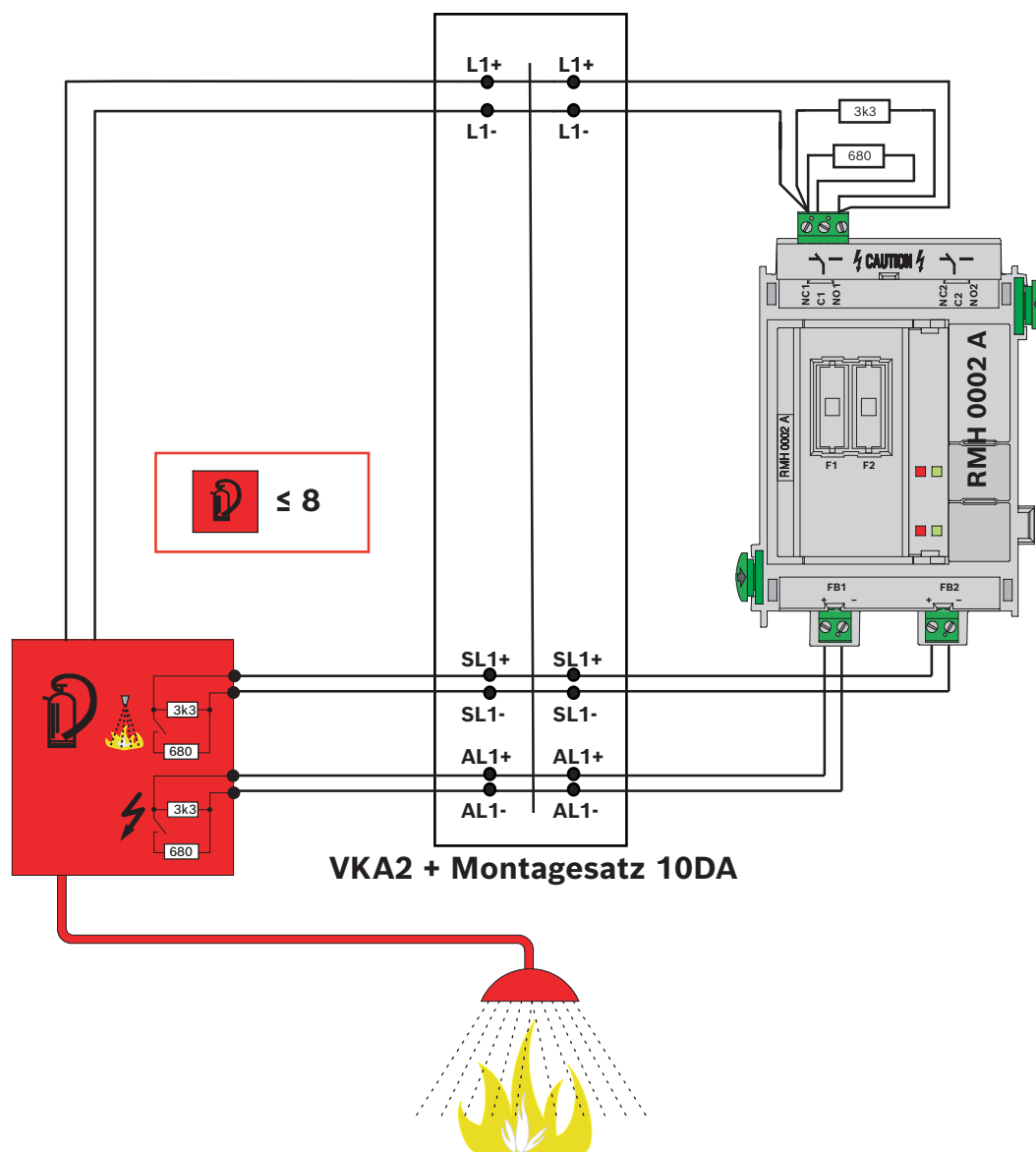
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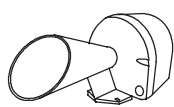
RMH 0002 A



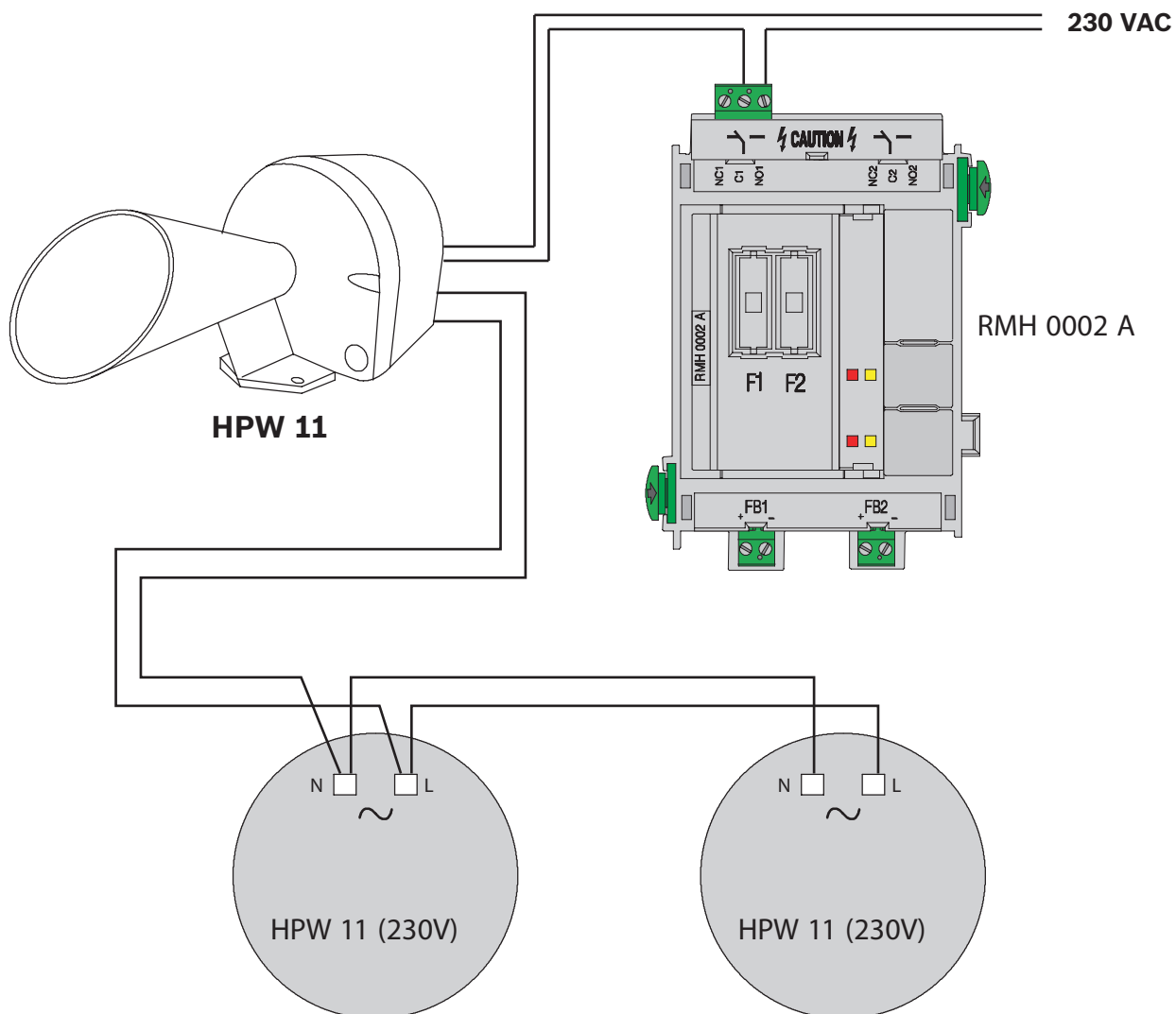
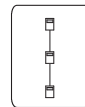
Löschanlage

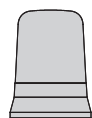
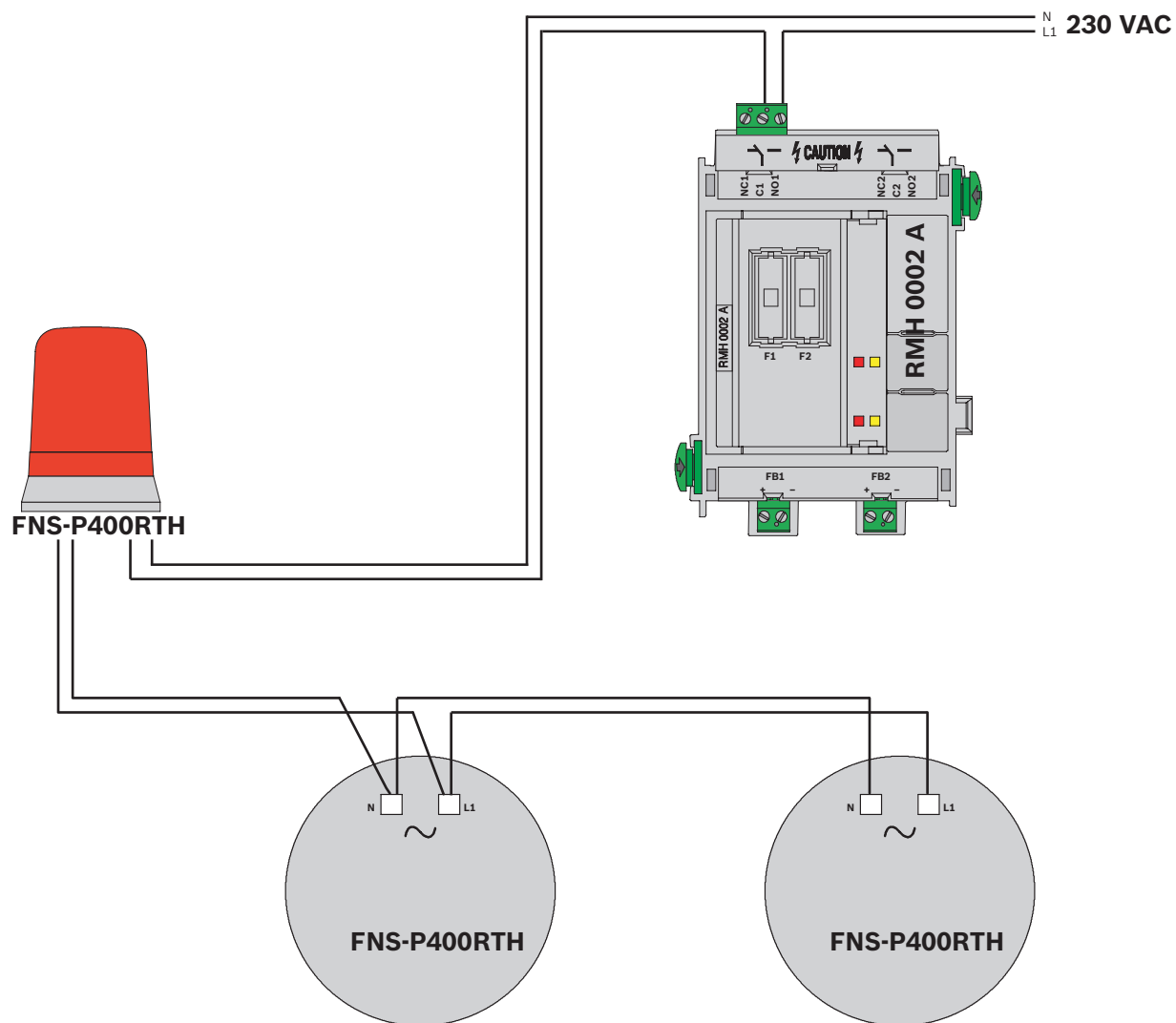
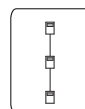
VdS 2496:2005-09





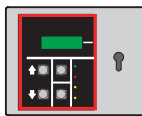
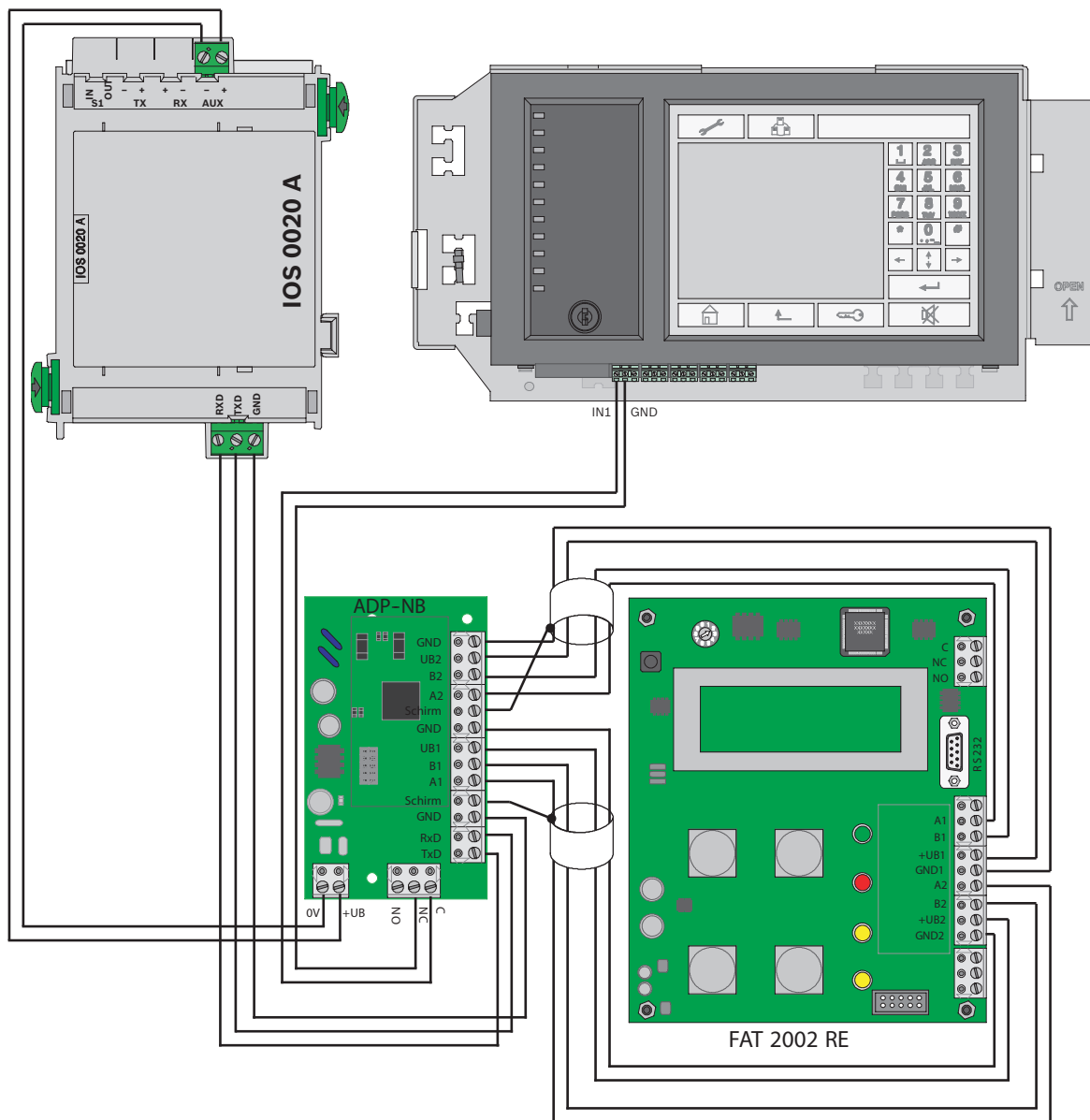
HPW 11

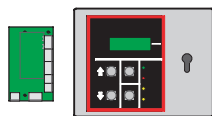


**FNS-P400RTH**

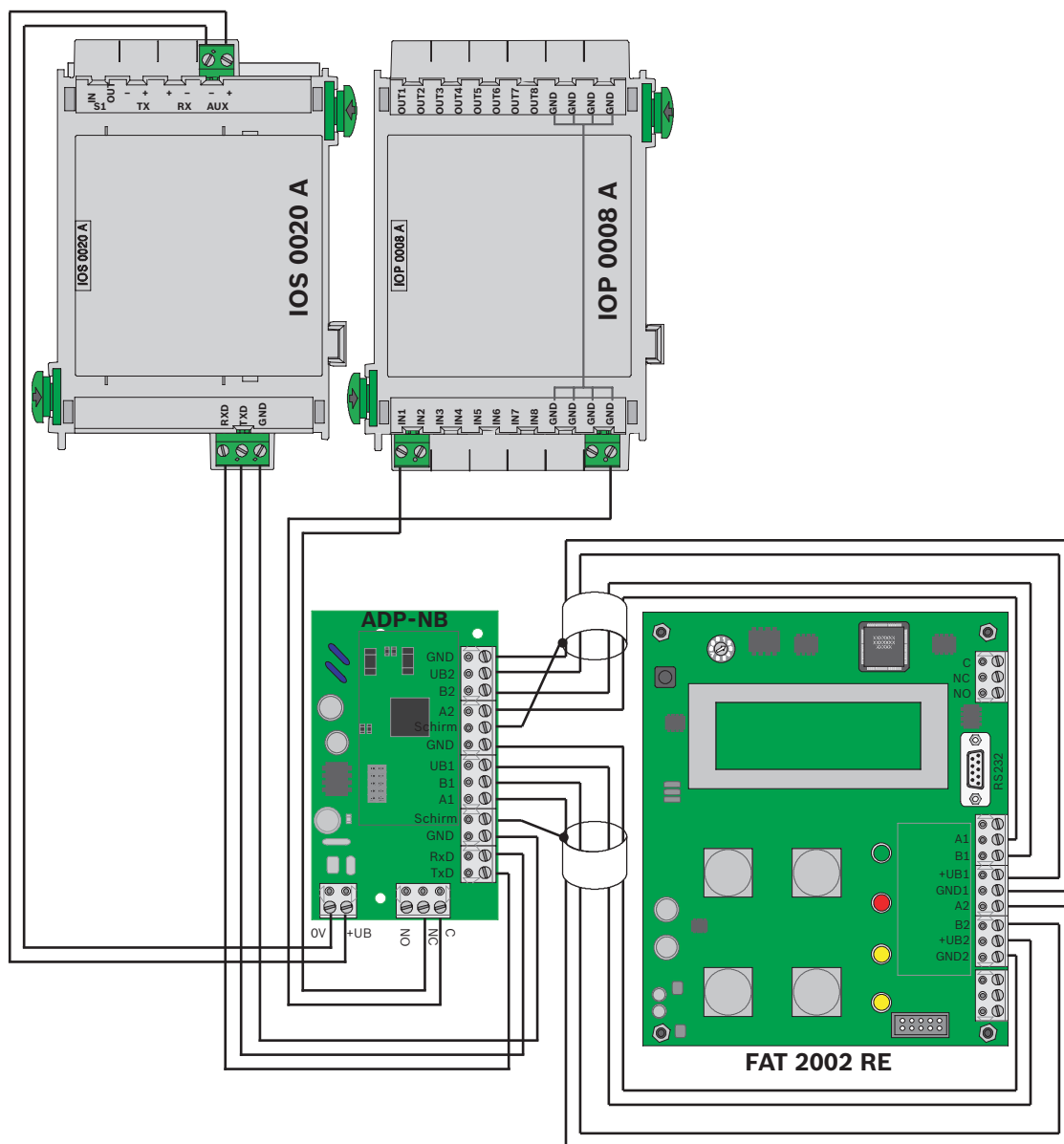
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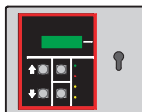
IOS 0020 A

FAT 2002 RE
ADP-NB

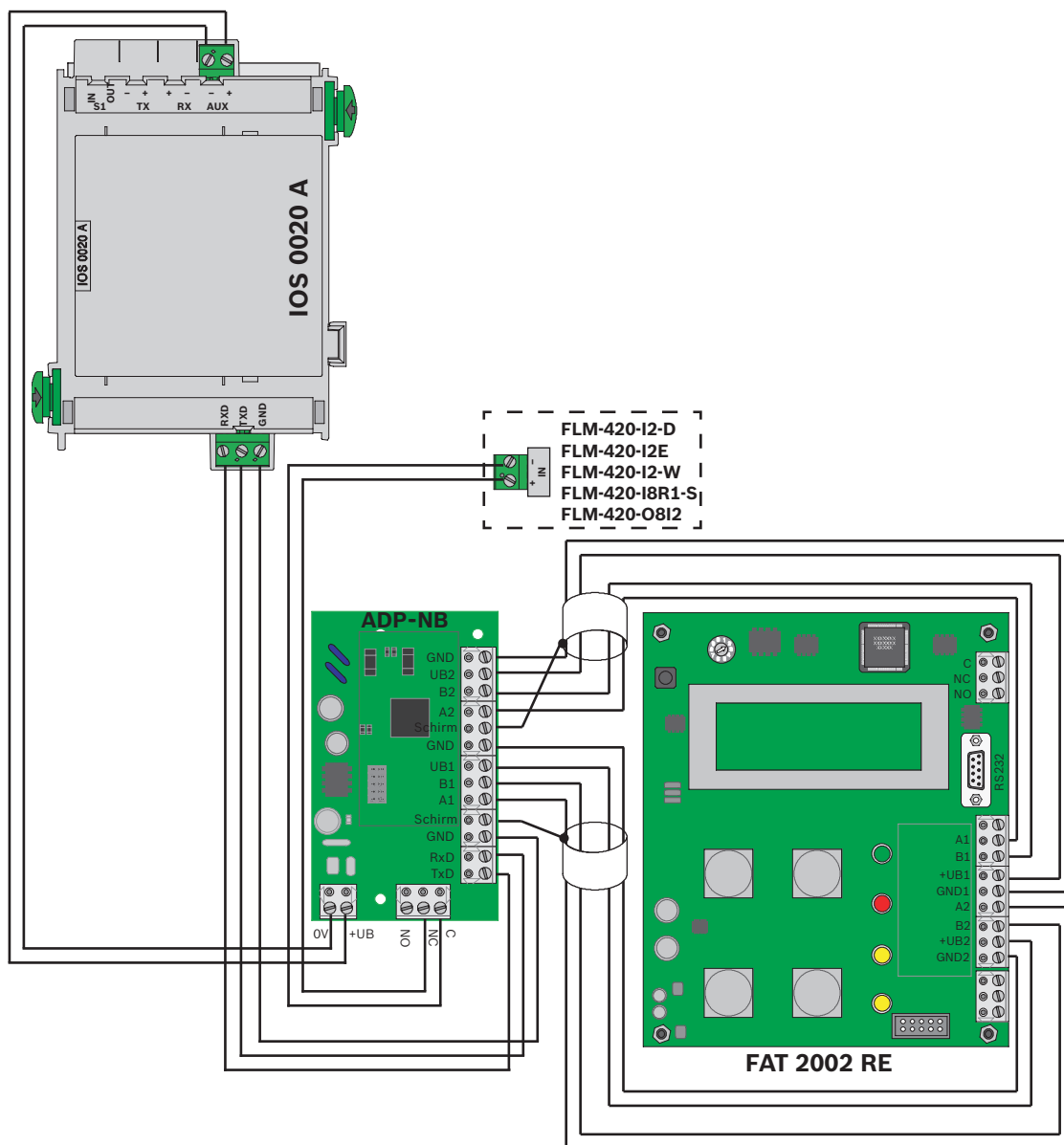


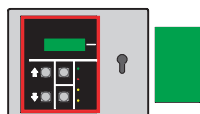
**FAT 2002 RE
ADP-NB**



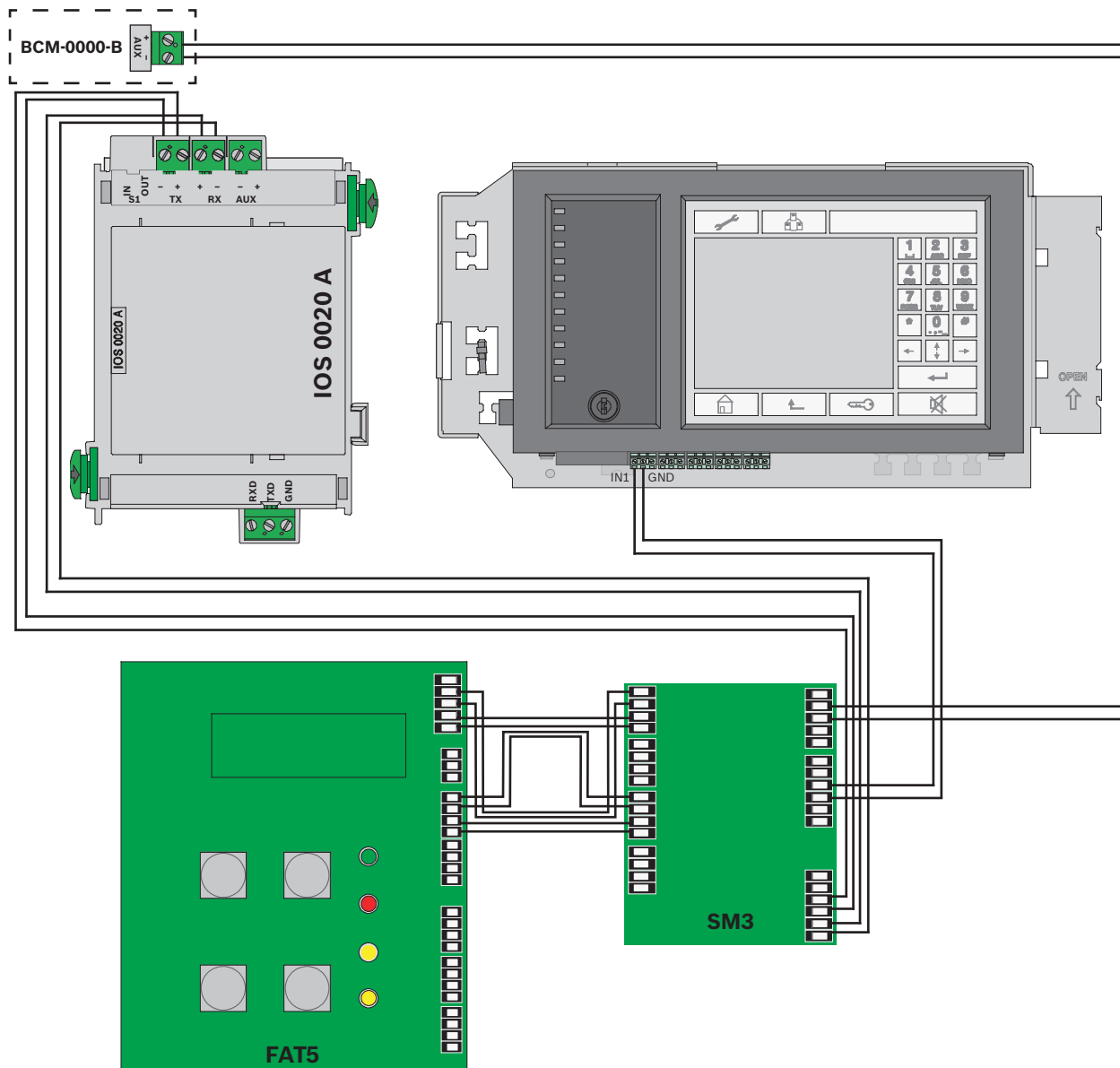


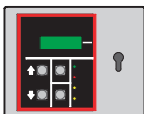
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ADP-NB**



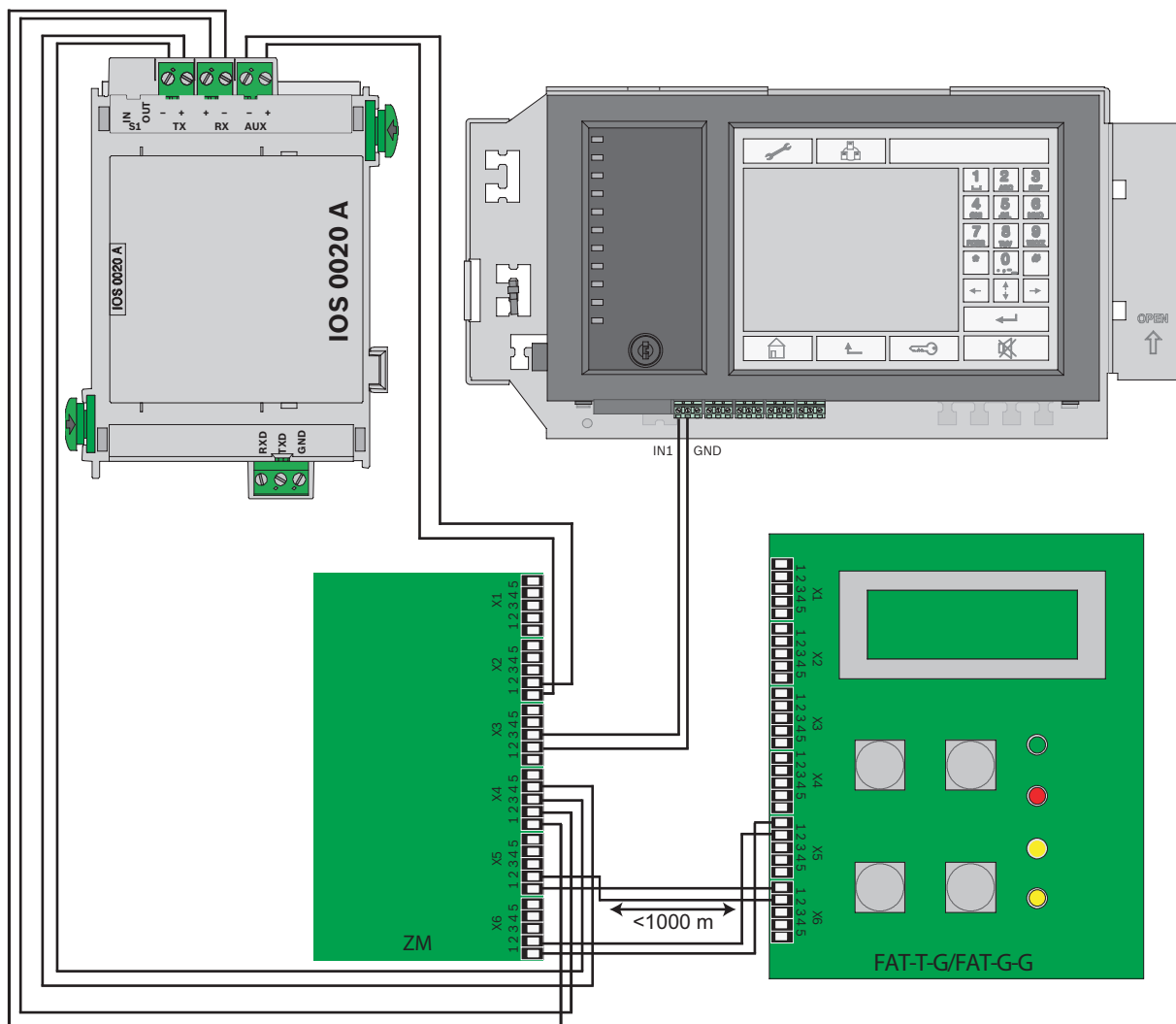


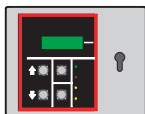
FAT5
SM3



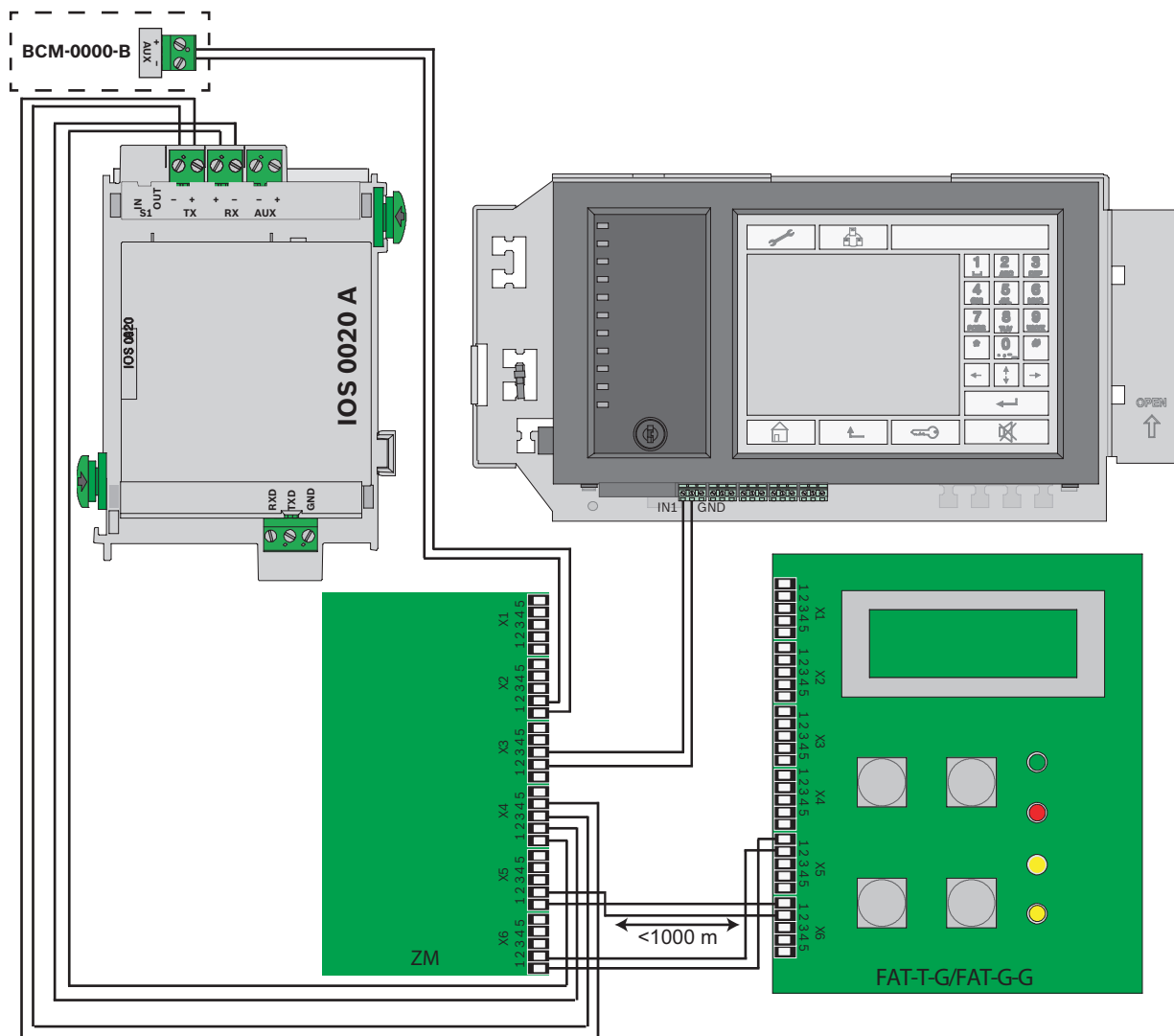


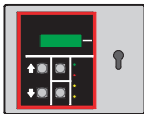
**FAT-T-G/FAT-G-G
ZM**



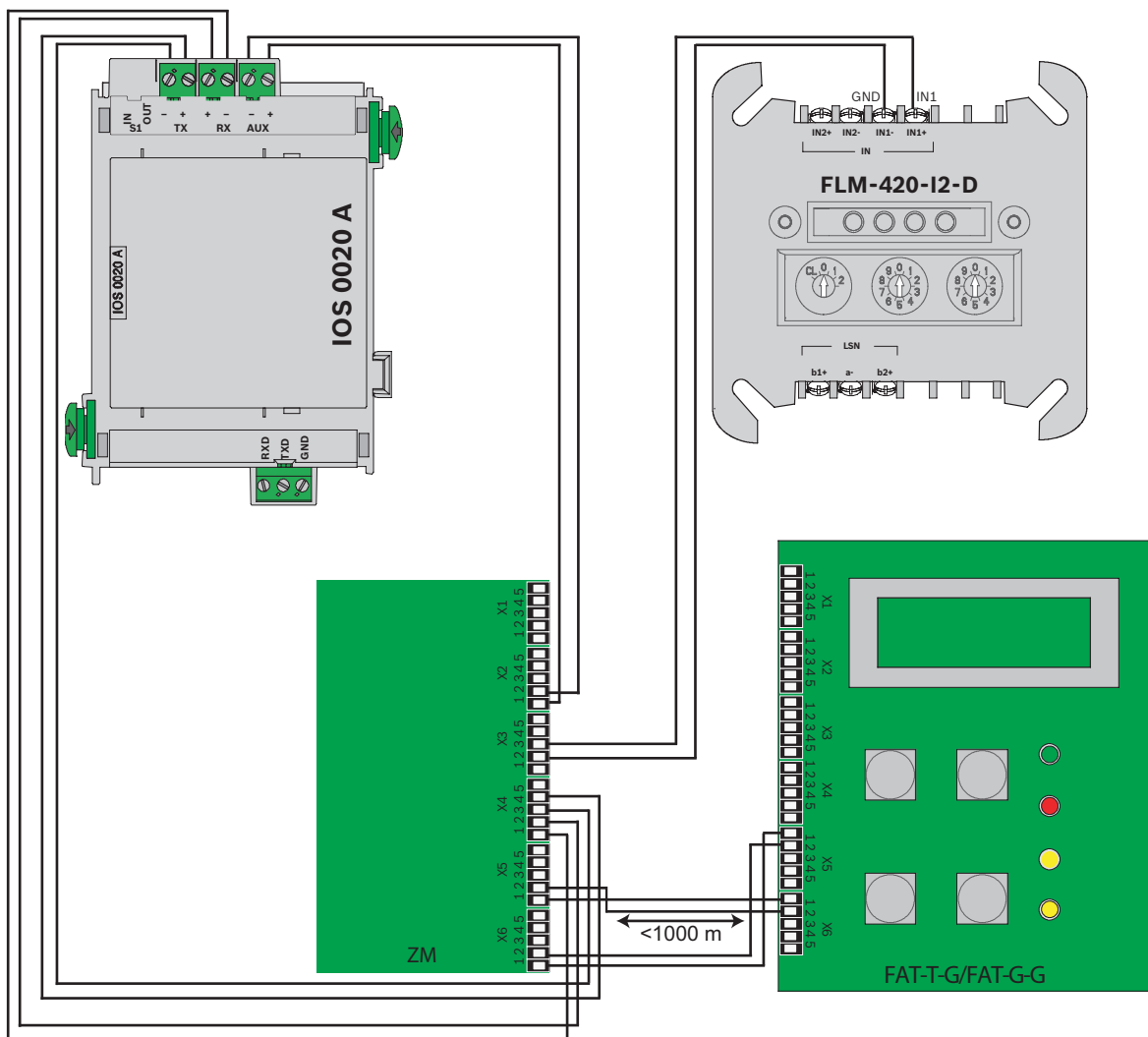


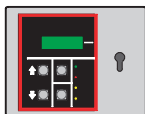
**FAT-T-G/FAT-G-G
ZM**



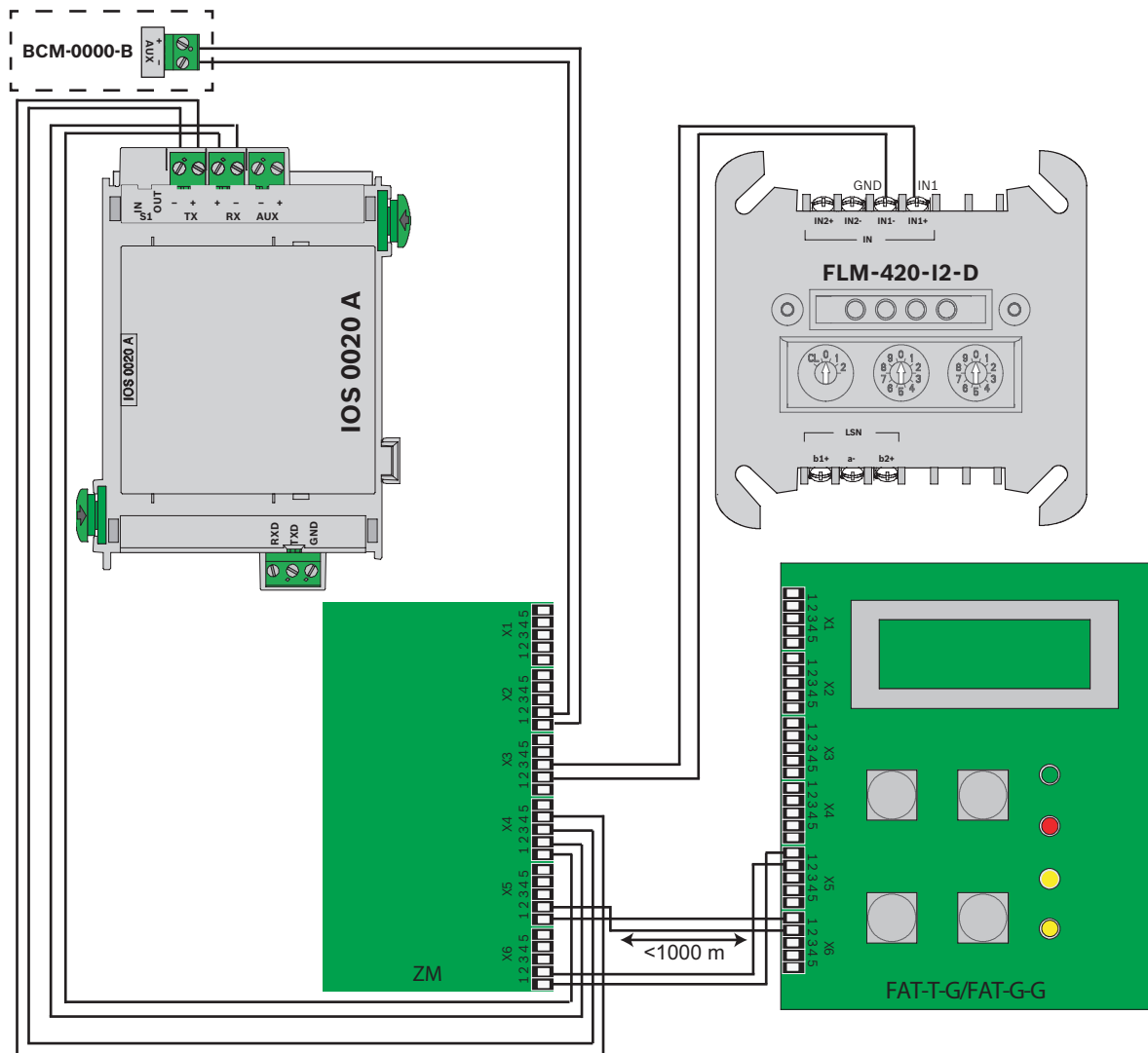


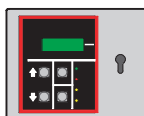
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ZM**



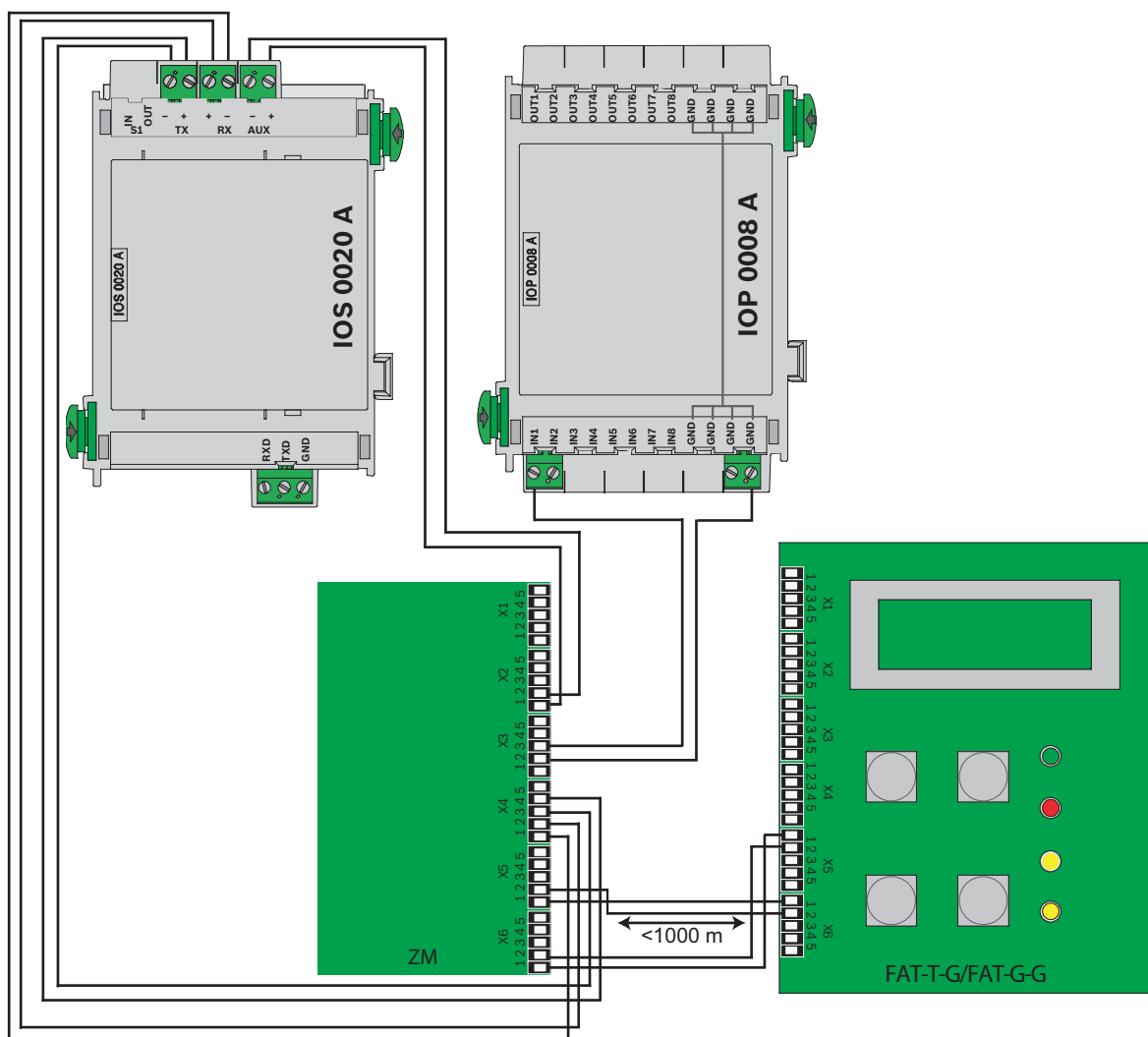


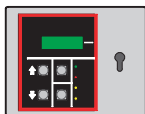
FAT-T-G/FAT-G-G
ZM



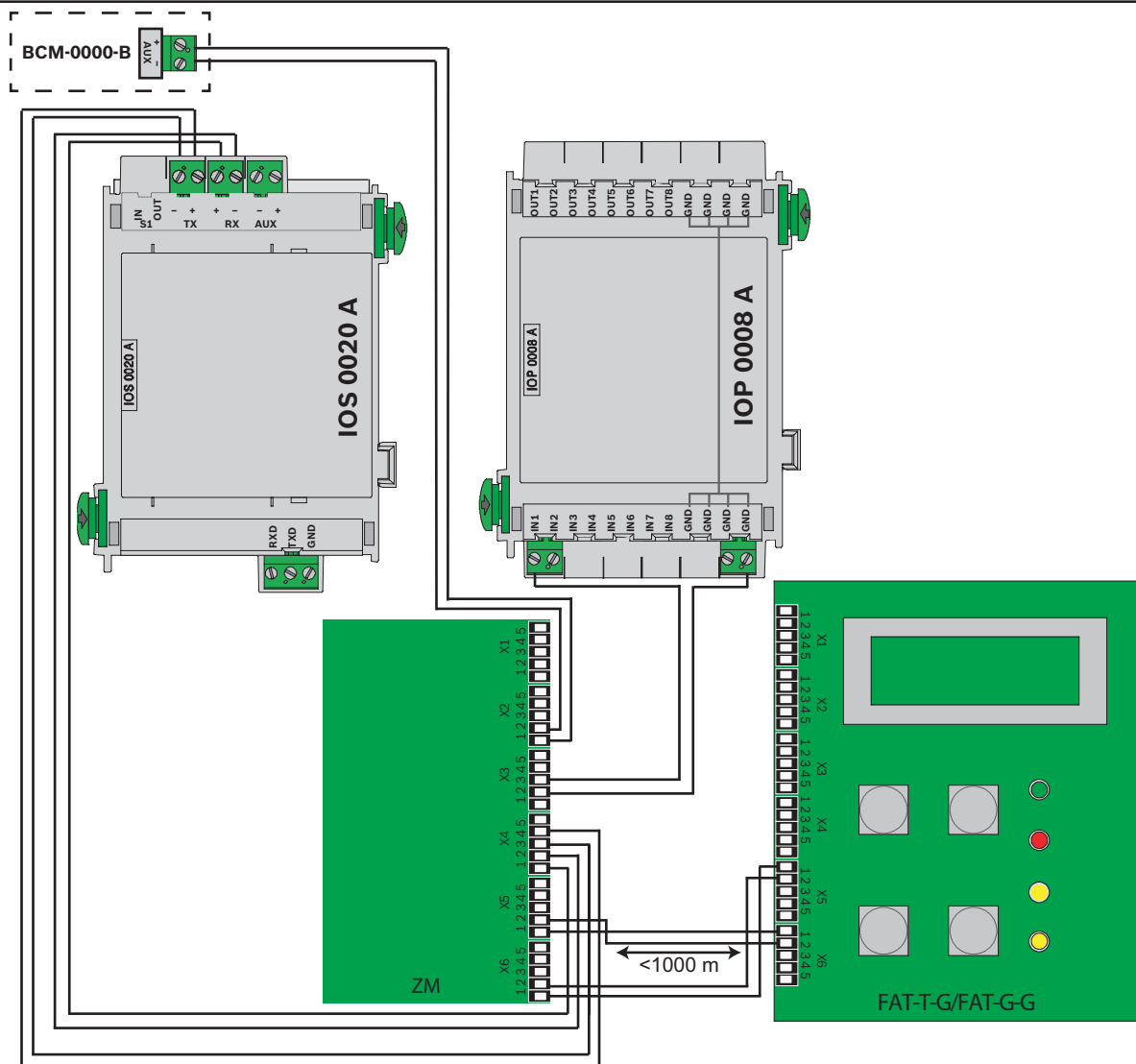


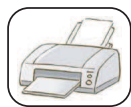
**FAT-T-G/FAT-G-G
ZM**



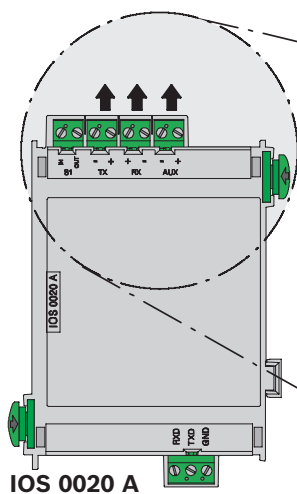
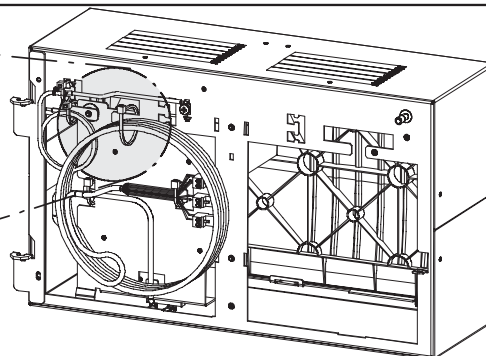
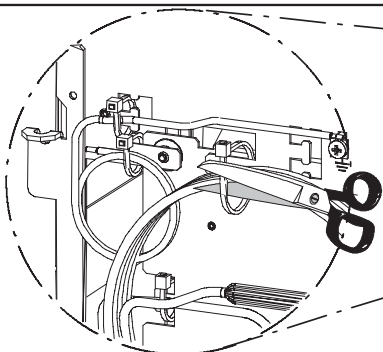


FAT-T-G/FAT-G-G
ZM

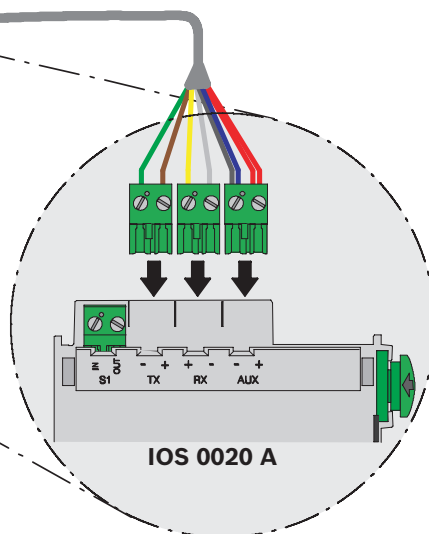




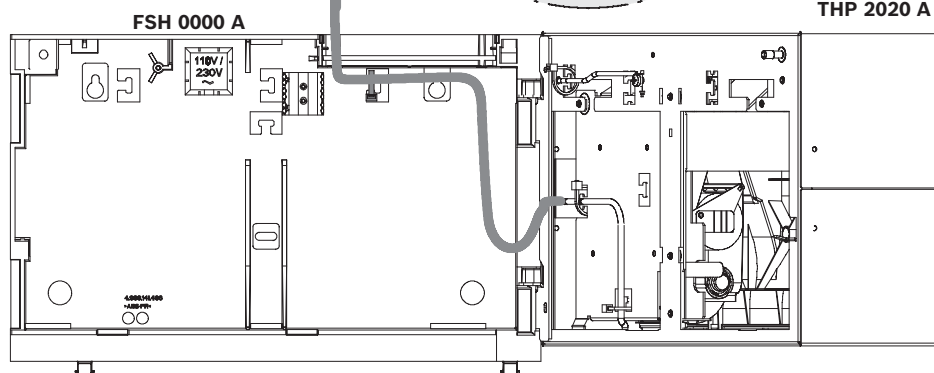
THP 2020 A



IOS 0020 A

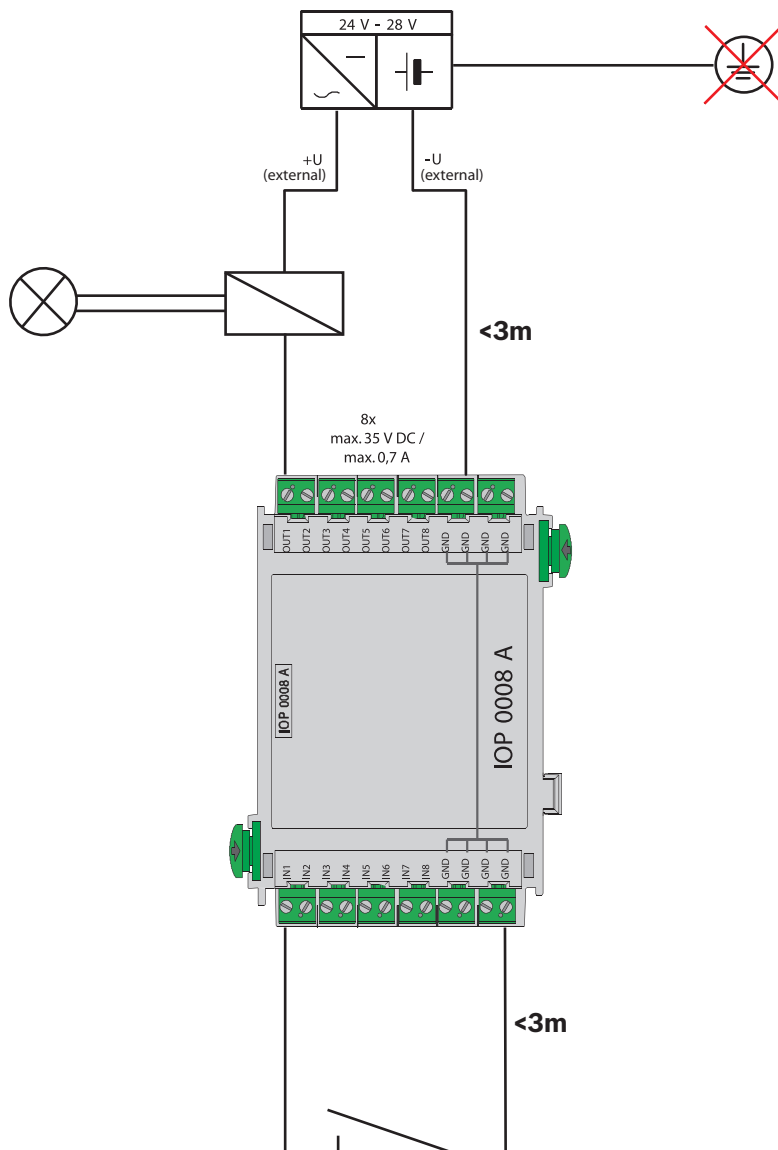
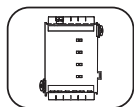


IOS 0020 A



FSH 0000 A

THP 2020 A

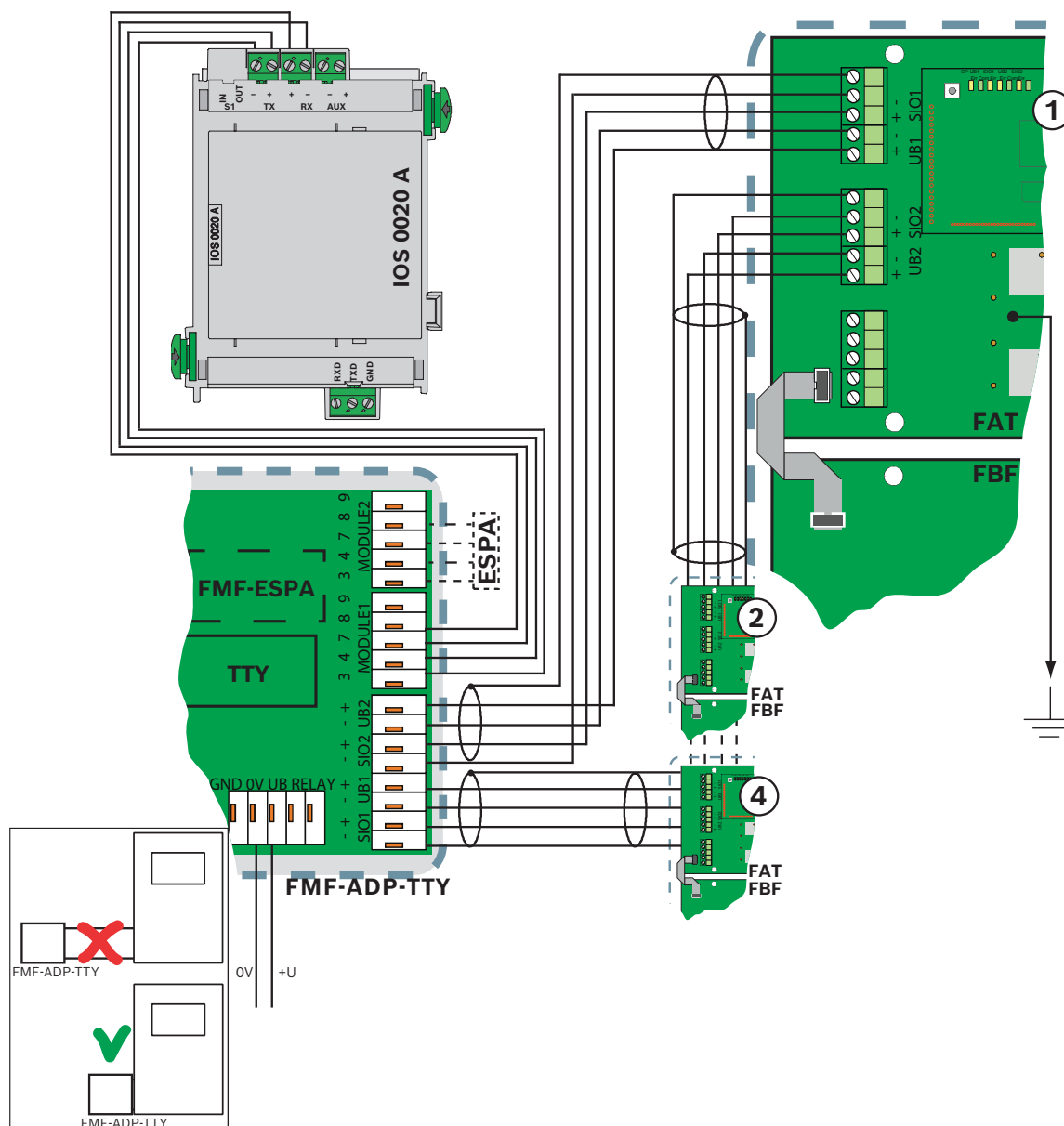


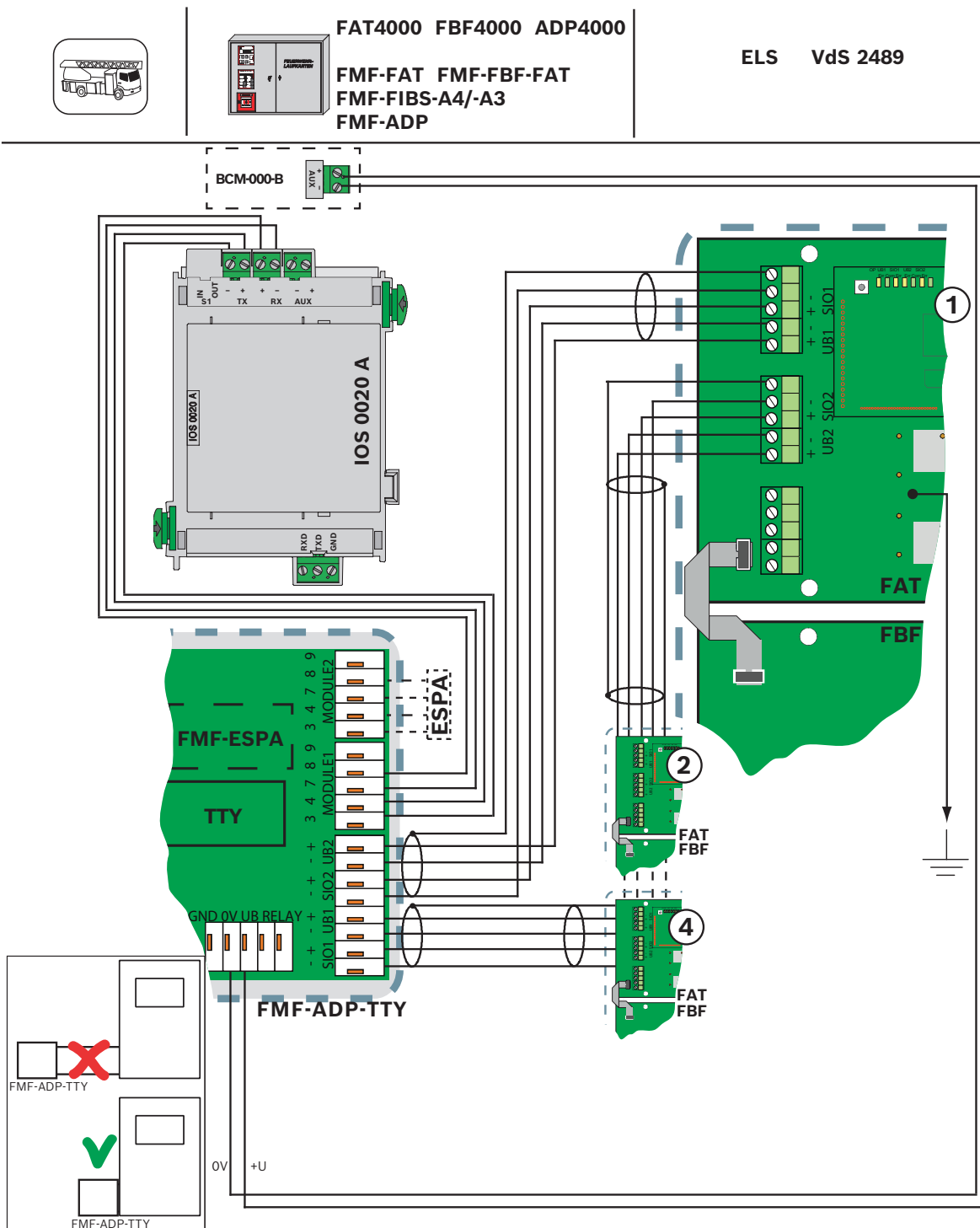


FAT4000 FBF4000 ADP4000

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

ELS VdS 2489





3.3.8

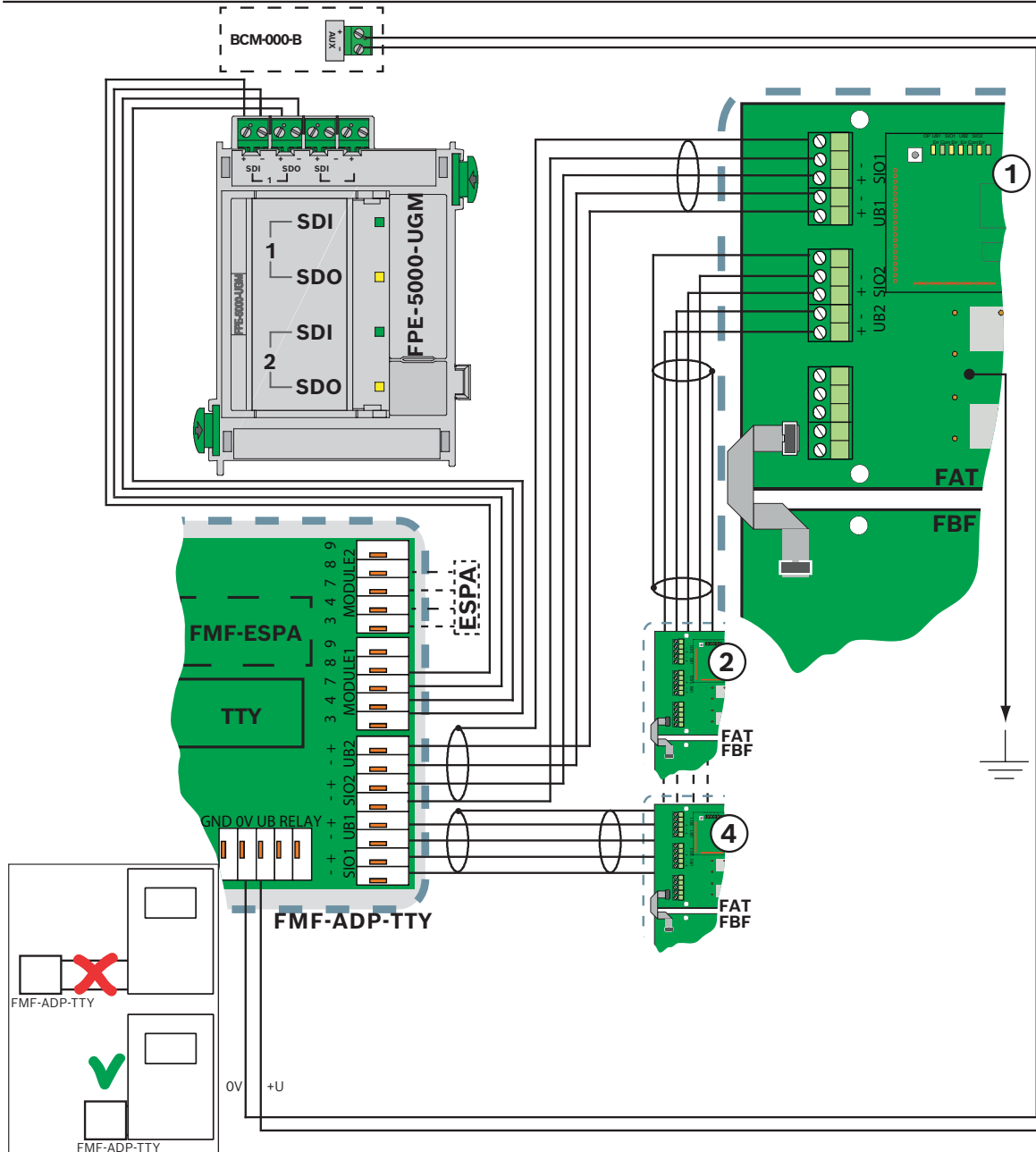
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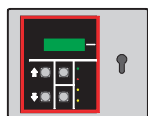


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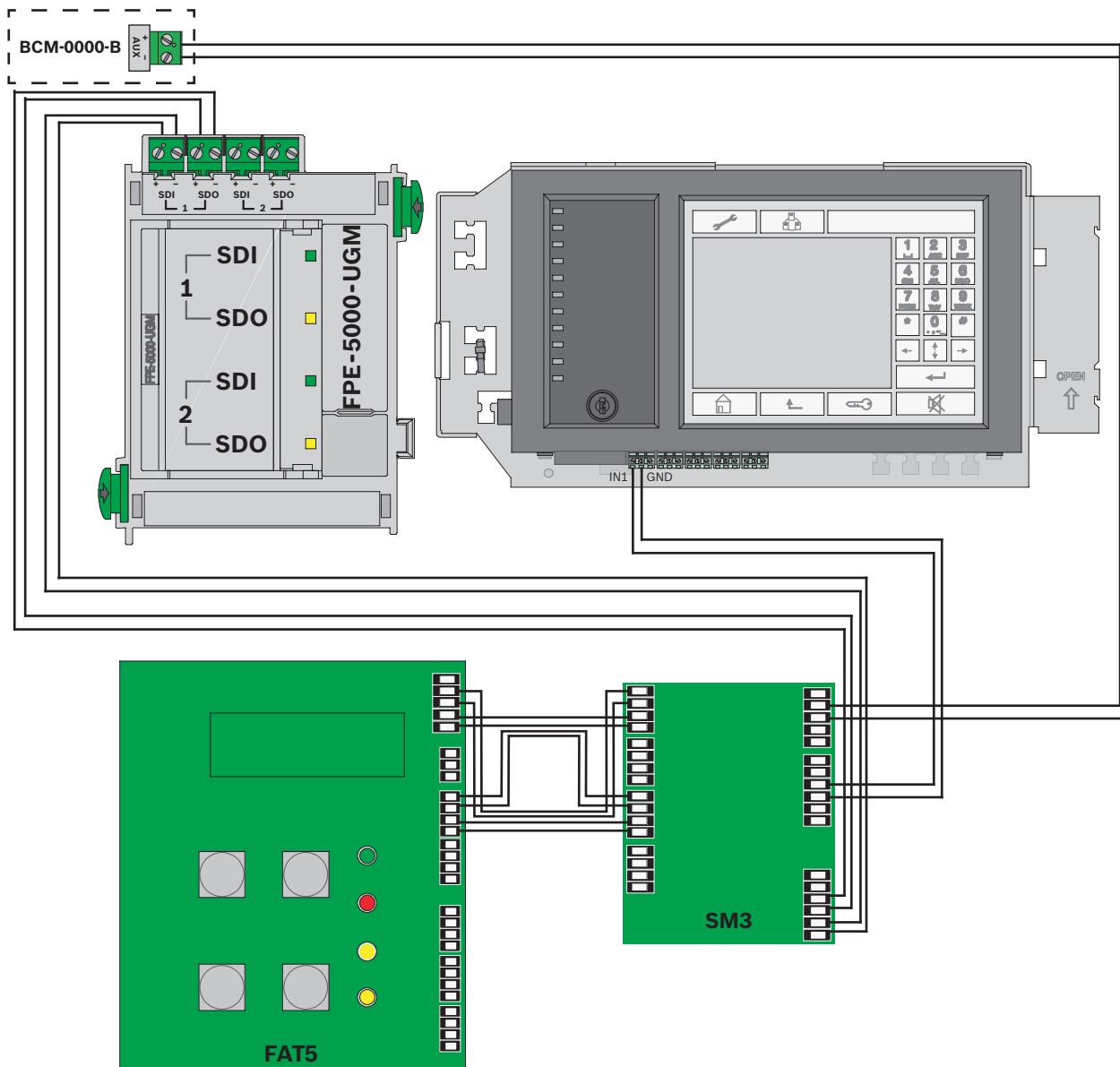
FMF-FAT FMF-FBF-FAT
FMF-FIBS-A4/-A3
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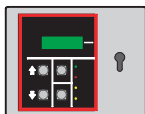
ELS VdS 2489



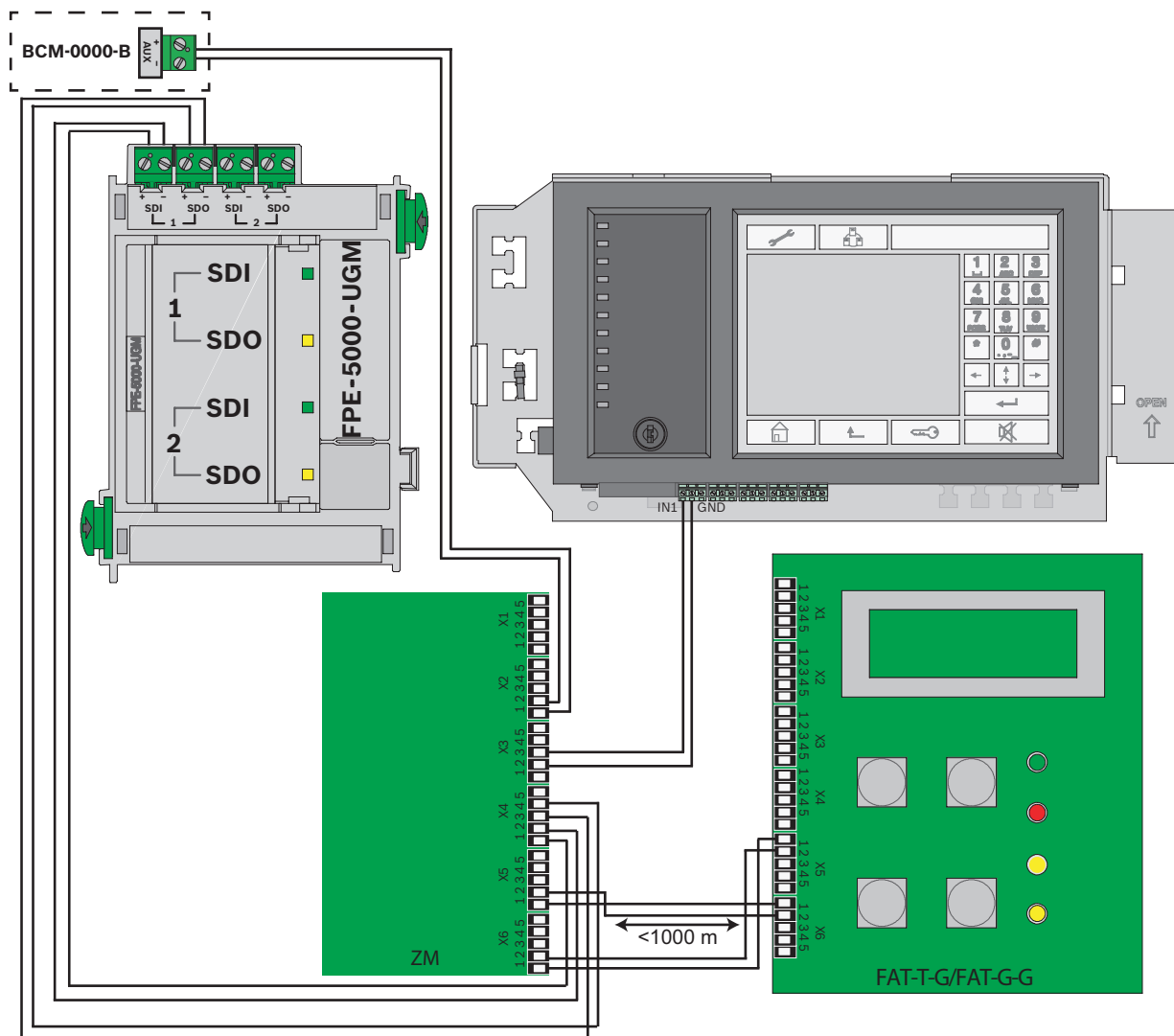


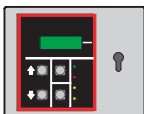
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SM3



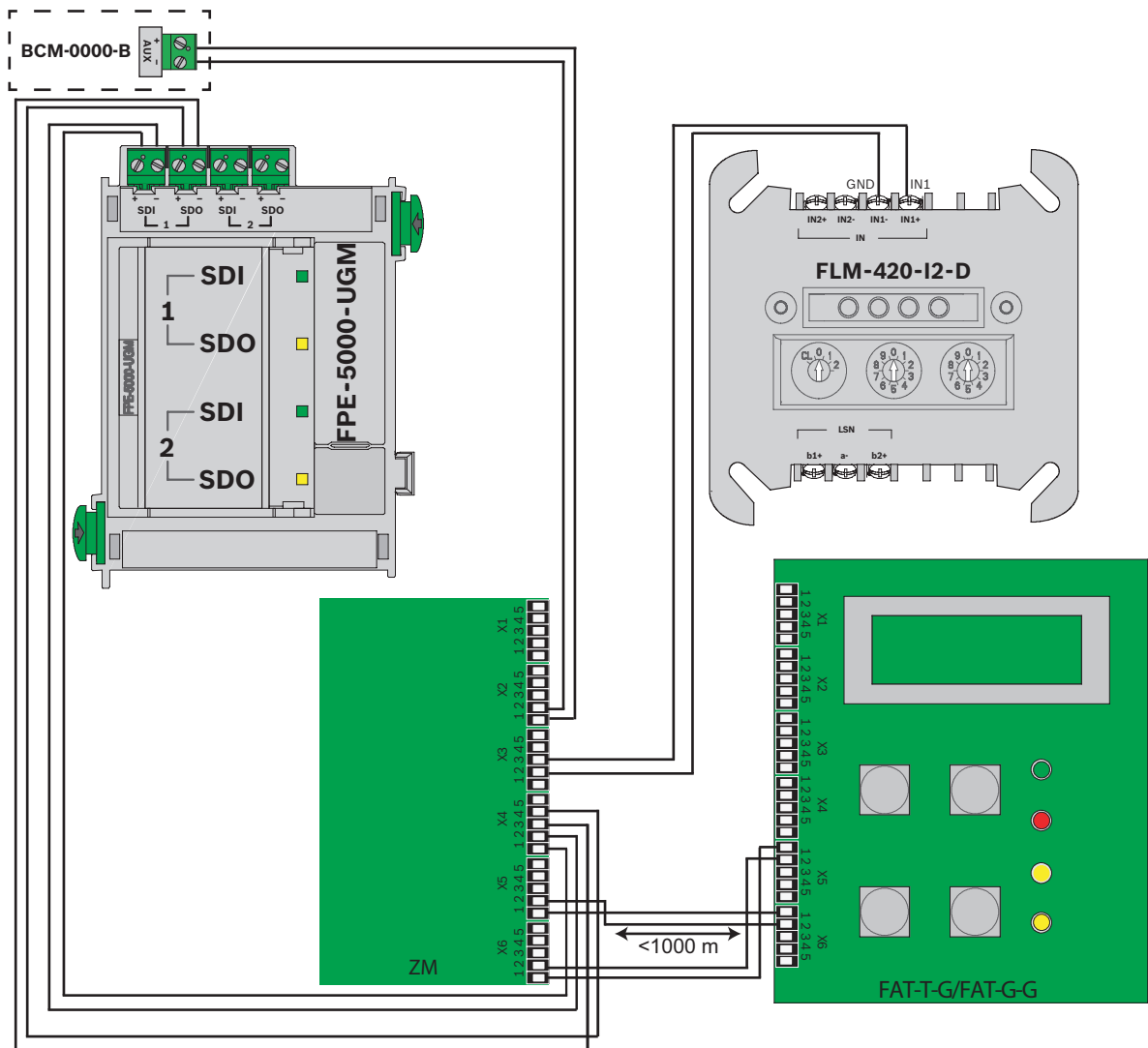


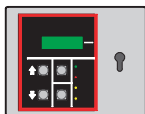
FAT-T-G/FAT-G-G
ZM



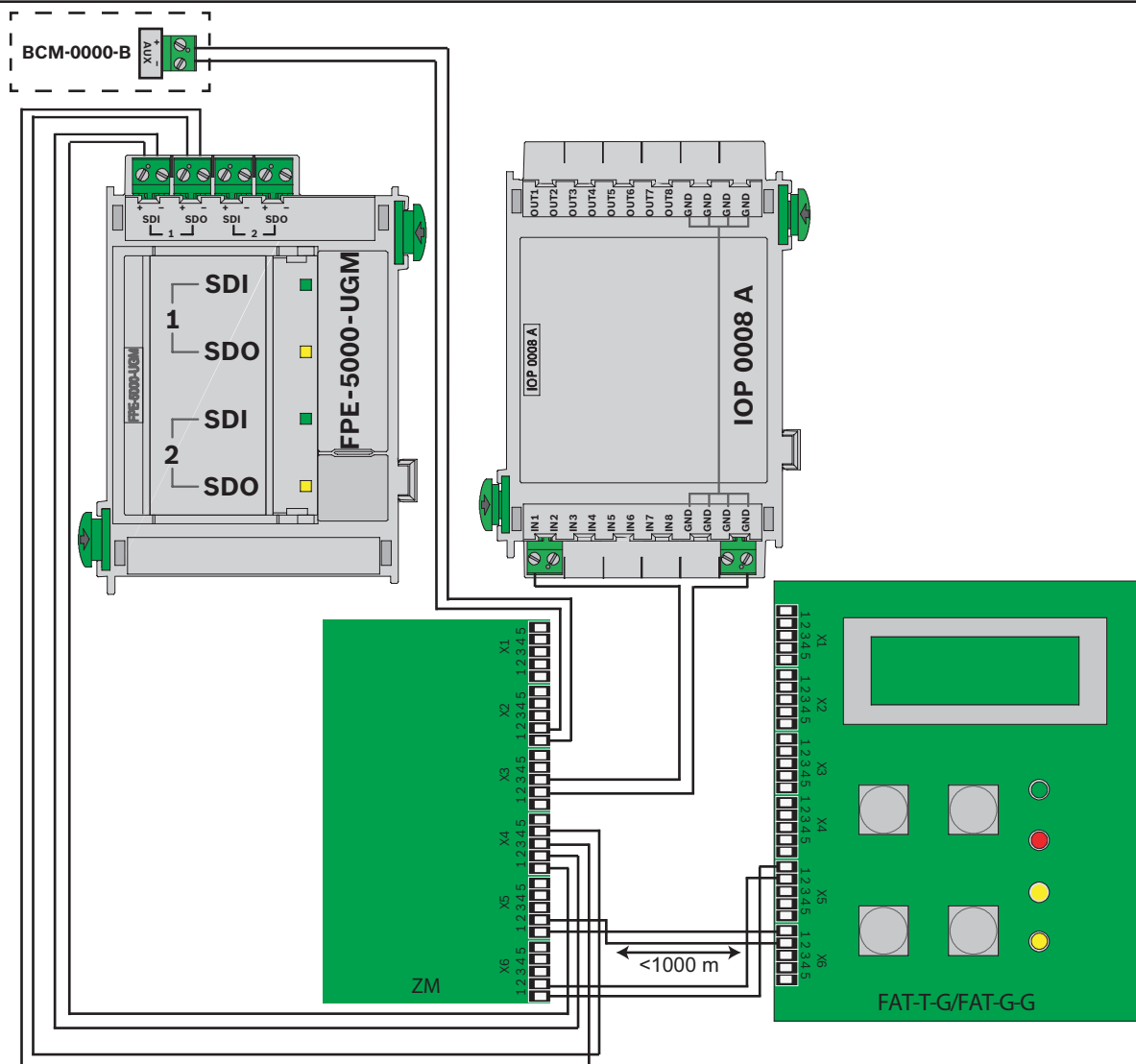


FAT-T-G/FAT-G-G
ZM





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



3.4 Interfész modulok



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

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

FLM-420-RLE-S, oldal 175

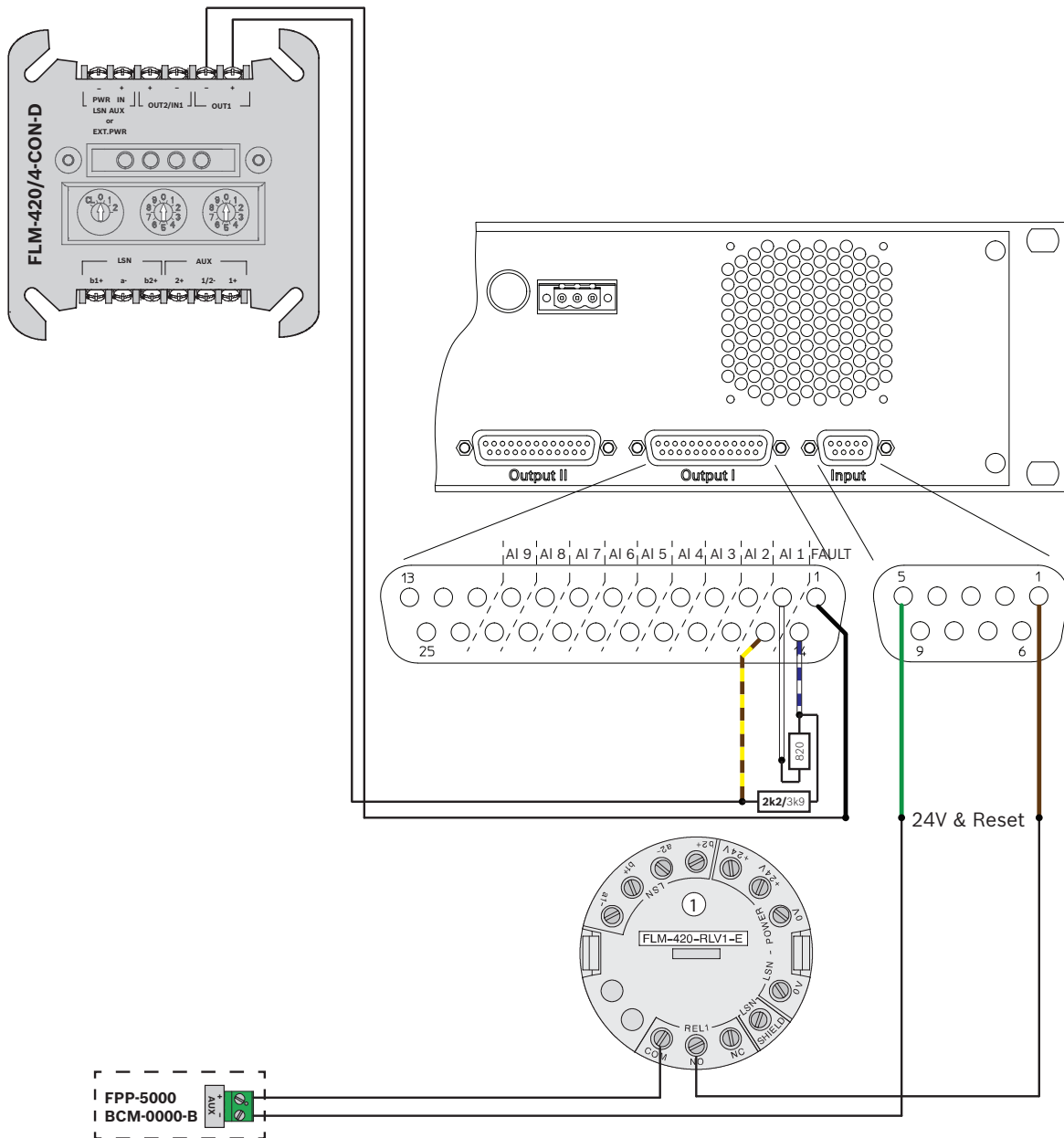
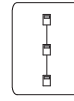
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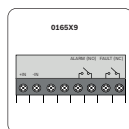
FLM-420-RLV8-S, oldal 177

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

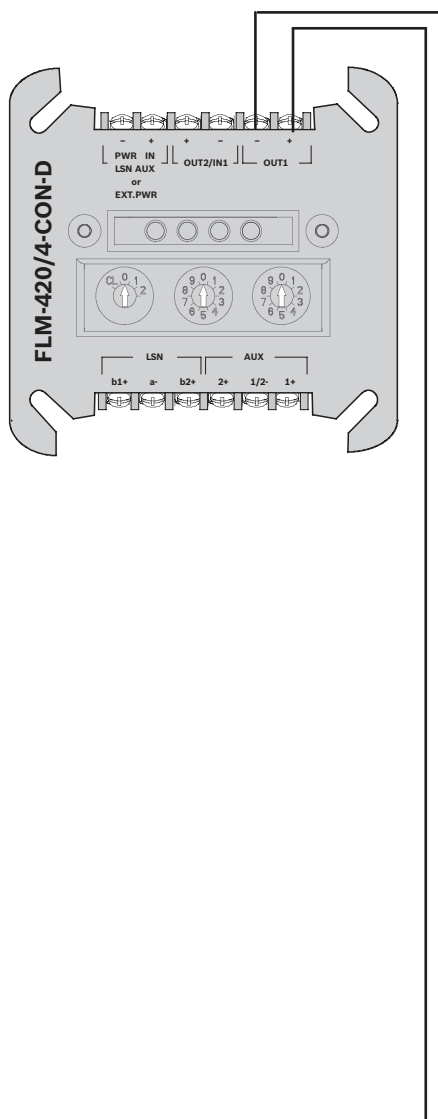
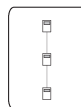


N4387A

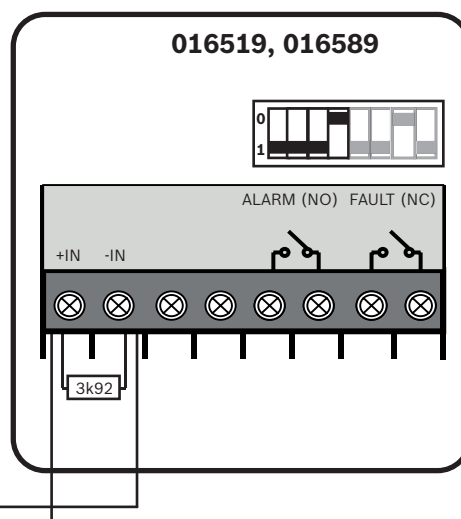


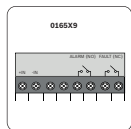


016519, 016589 IR3 Flame Detector

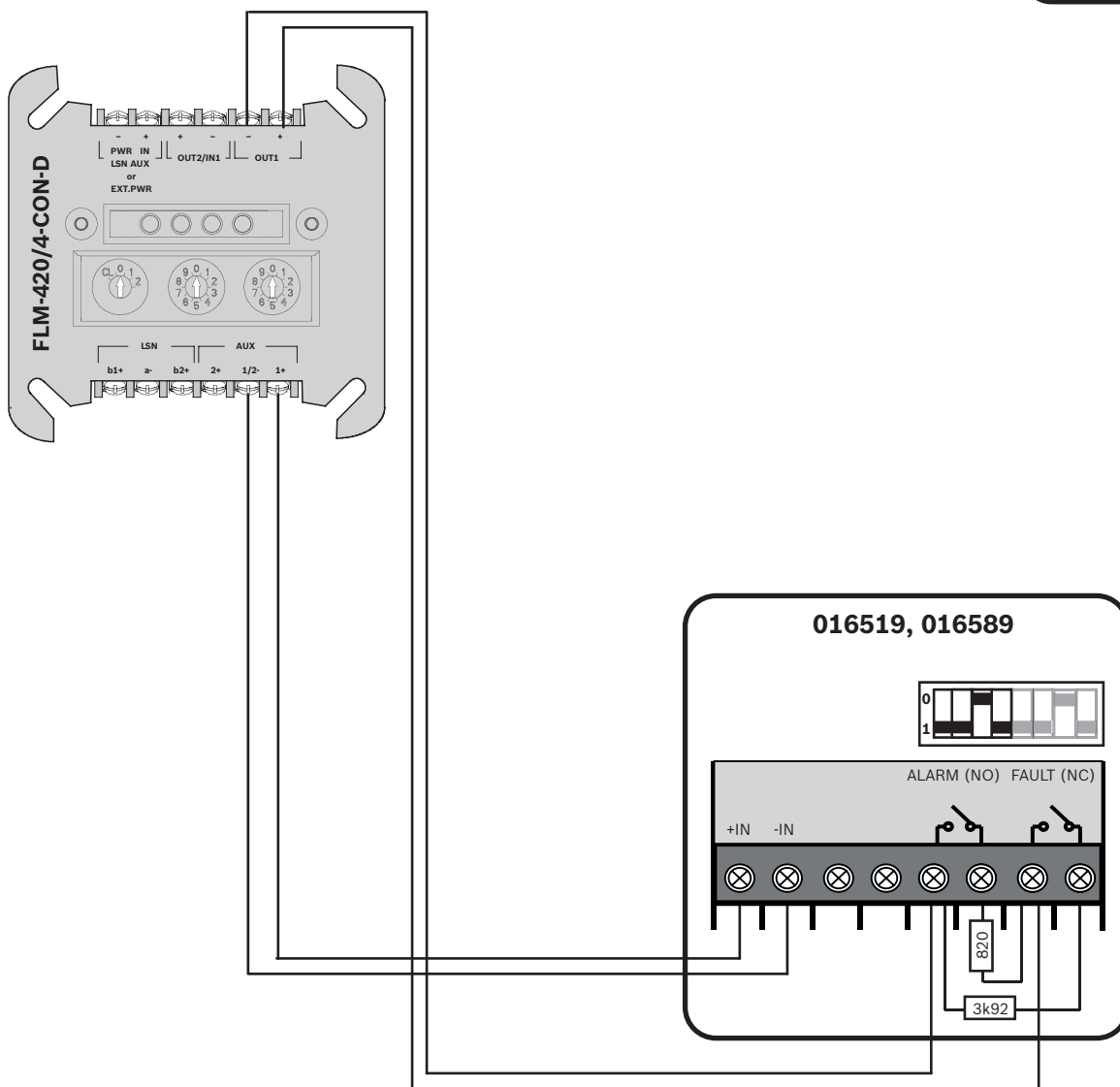
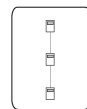


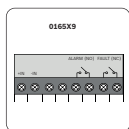
max. 1 x 0165X9



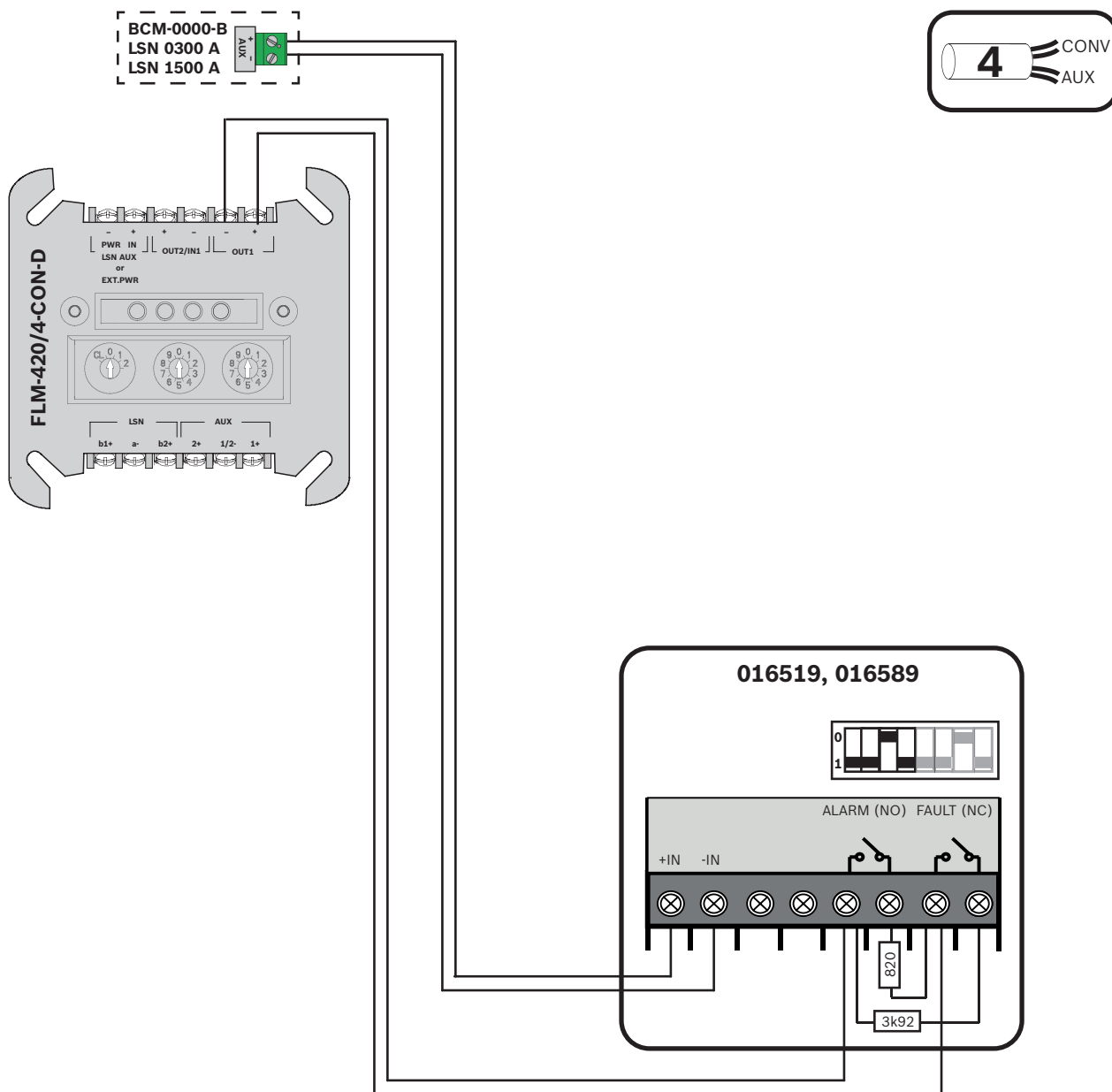
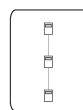


016519, 016589 IR3 Flame Detector



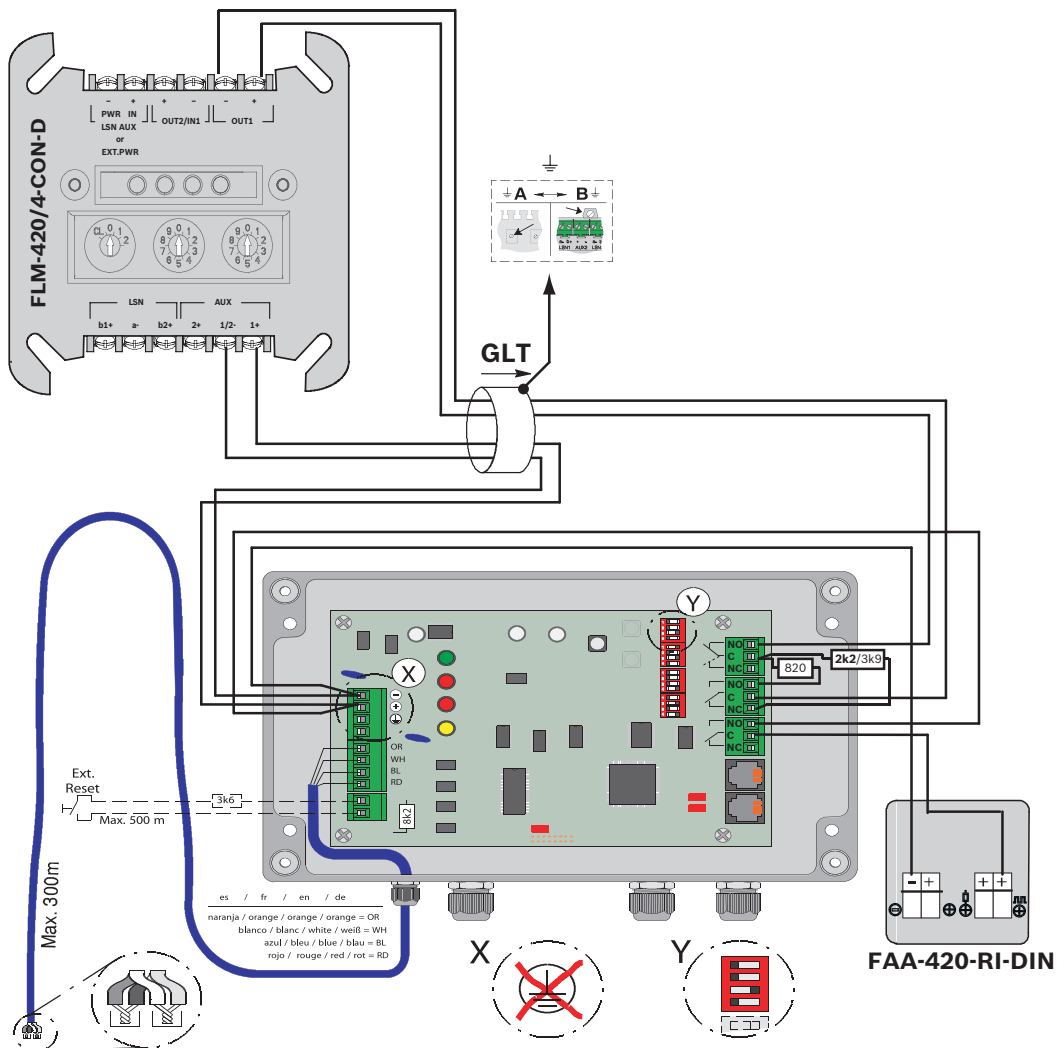
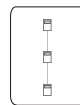


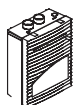
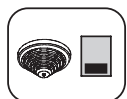
016519, 016589 IR3 Flame Detector





FCS-LWM-1

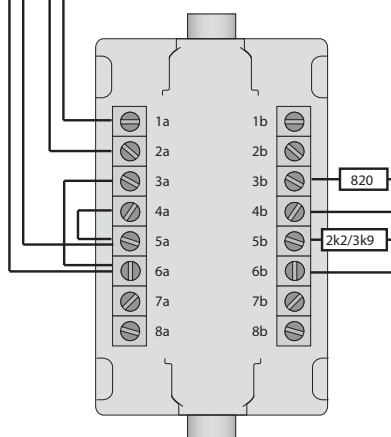
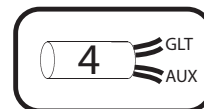
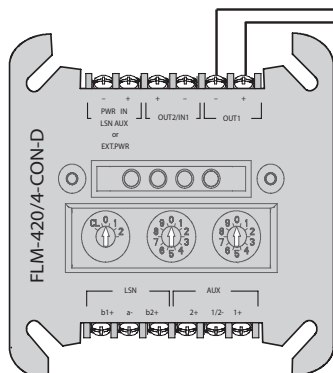


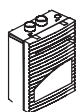


FCS-320-TM Series

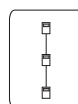


BCM-0000-B
LSN 0300 A
LSN 1500 A

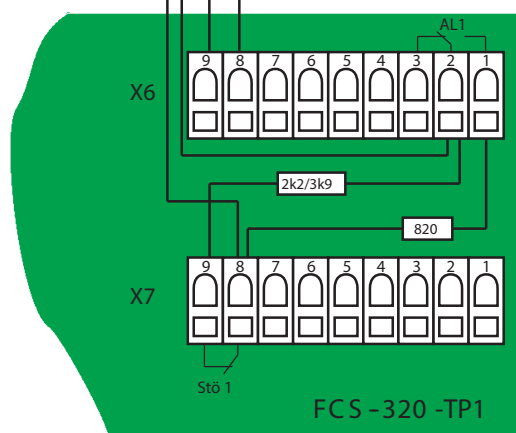
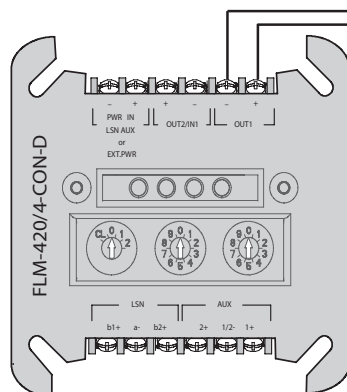
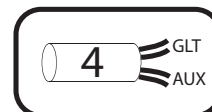


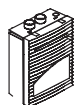


FCS-320-TP Series

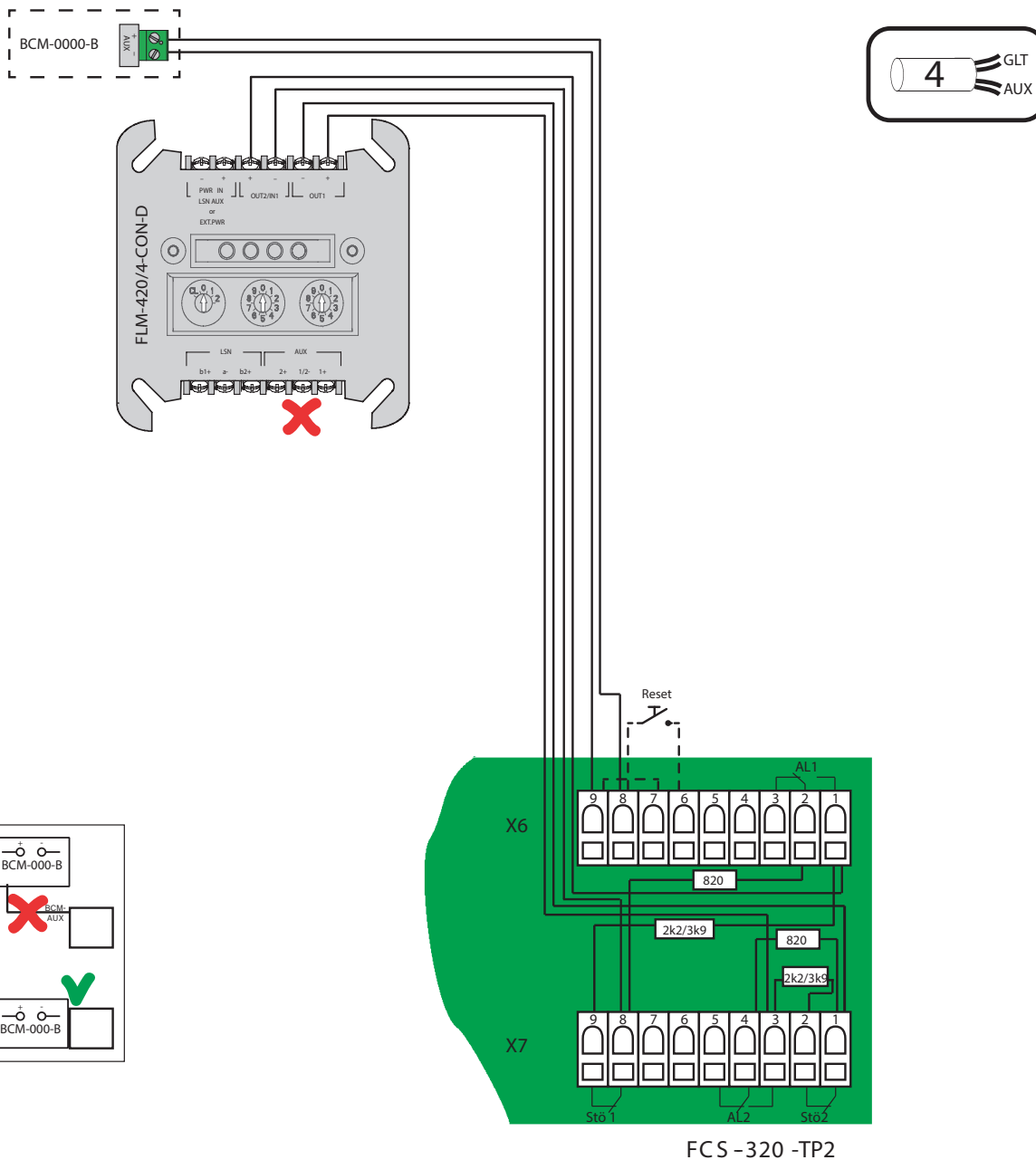


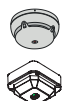
BCM-0000-B
LSN 0300 A
LSN 1500 A



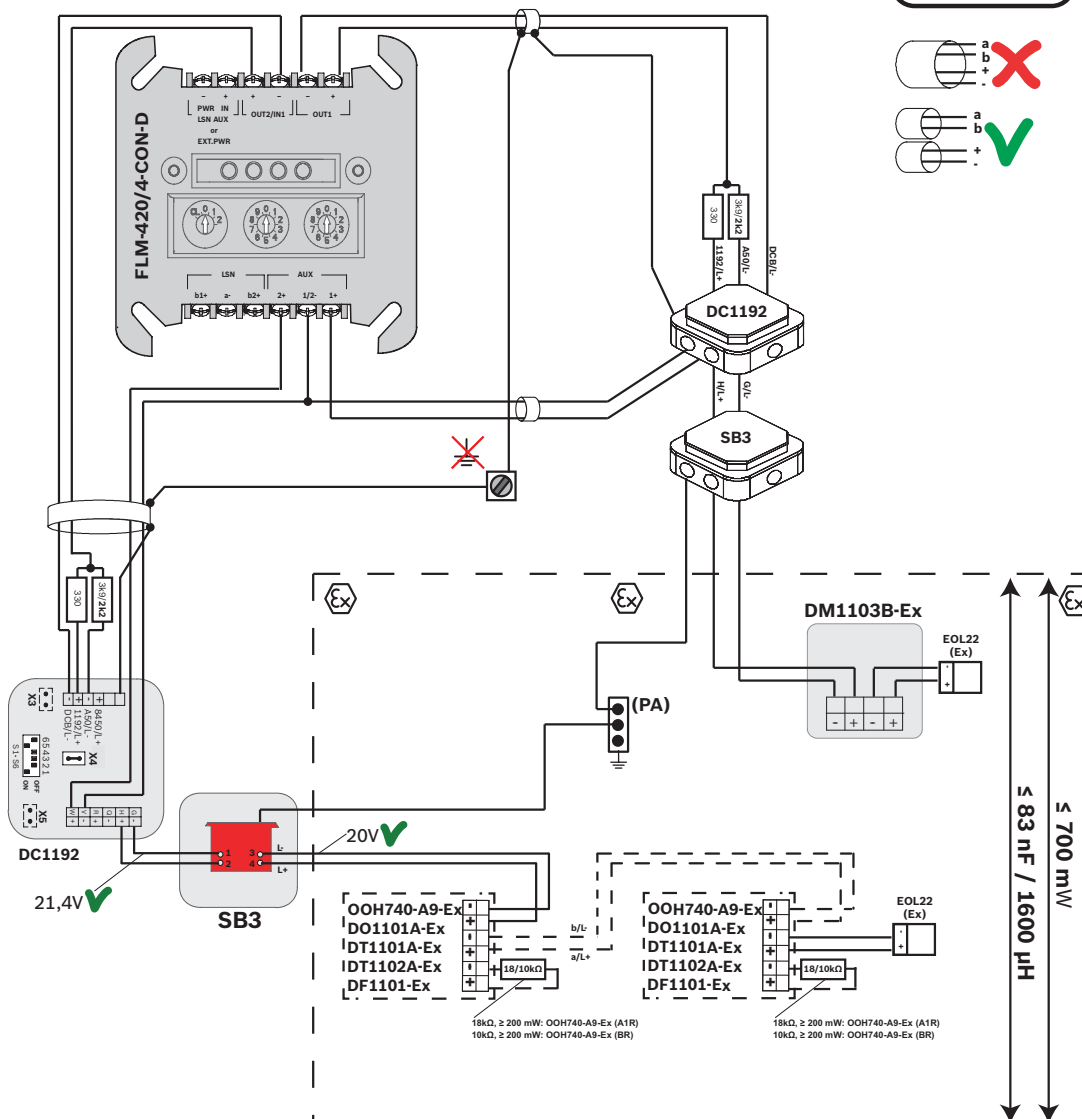
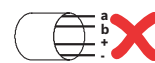
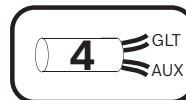


FCS-320-TP Series



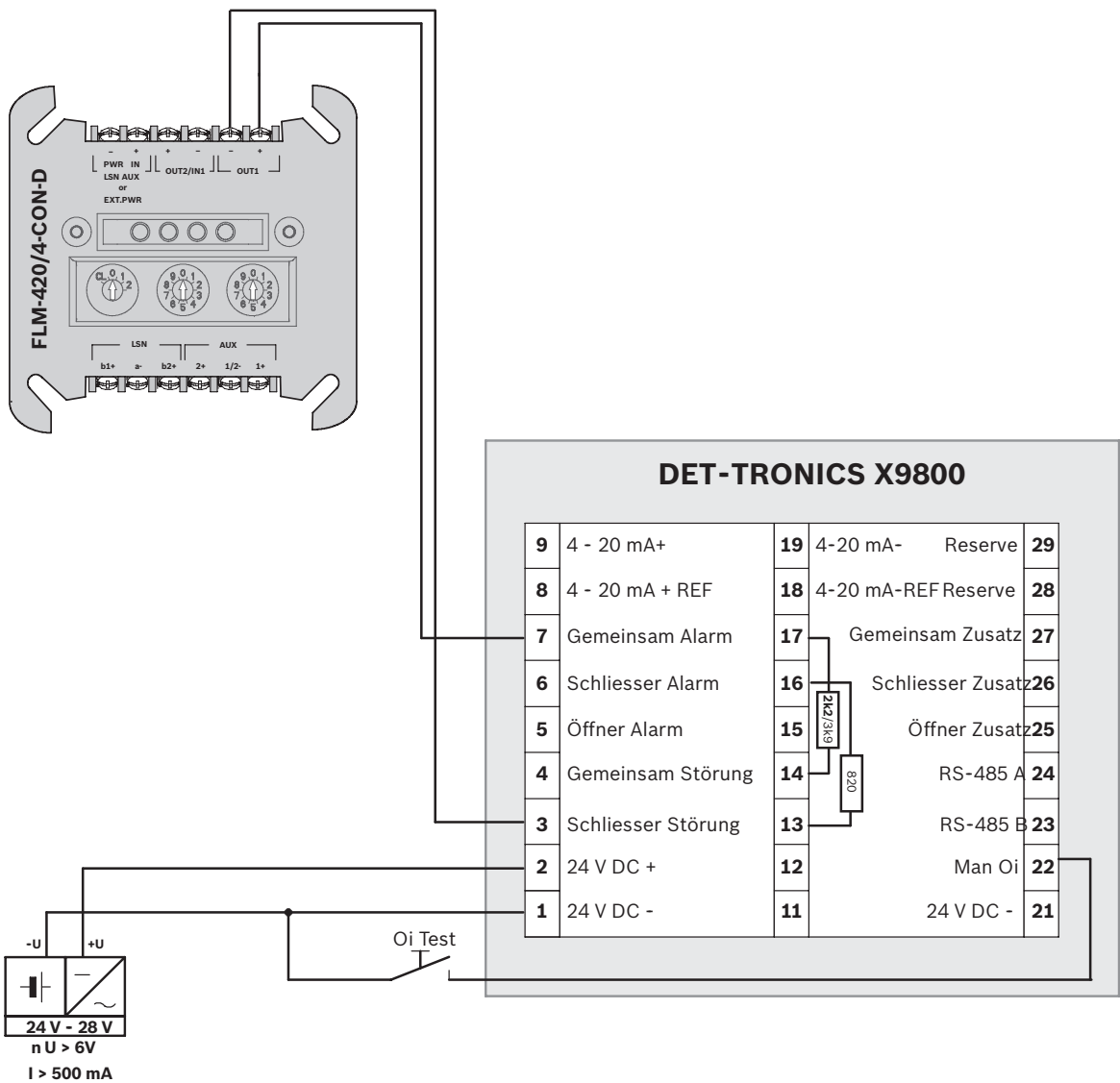
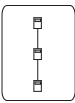


DC1192, SB3
OOH740-A9-Ex
DO1101A-Ex
DT1101A-Ex/DT1102A-Ex
DF1101-Ex
DM1103B-Ex



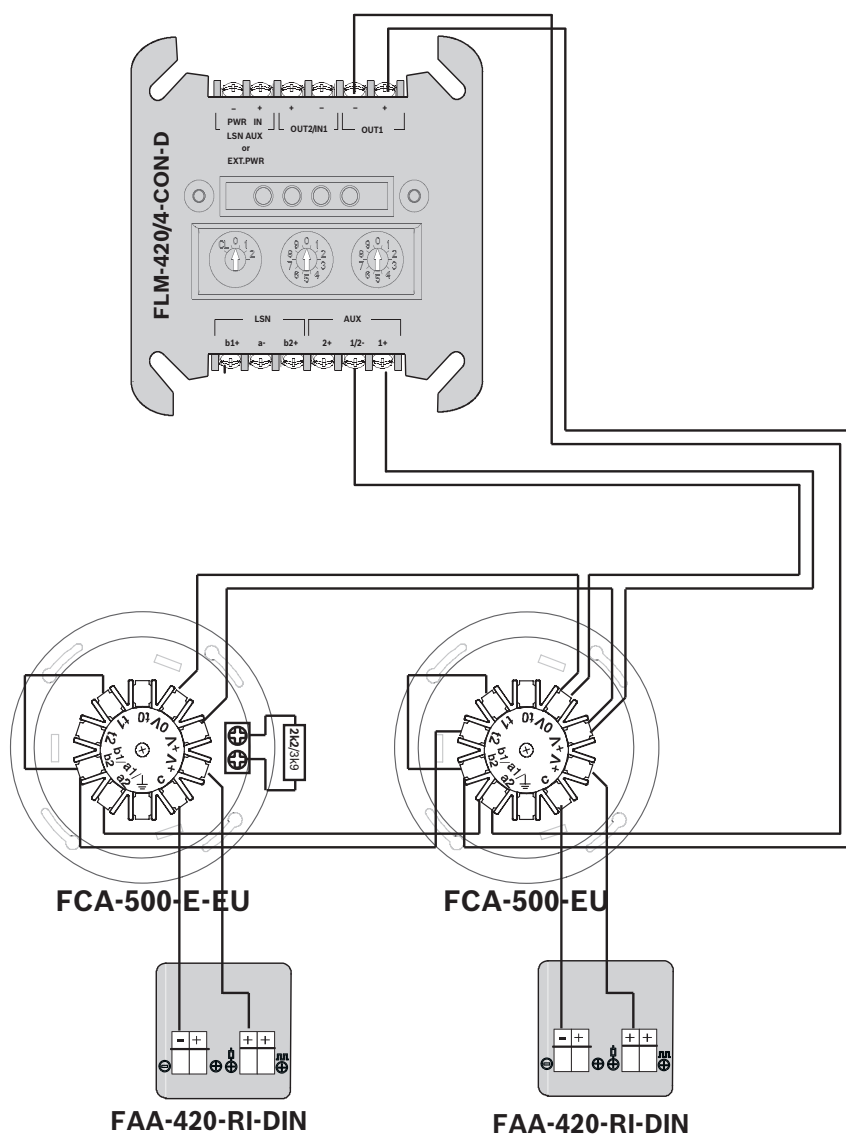


DET-TRONICS X9800



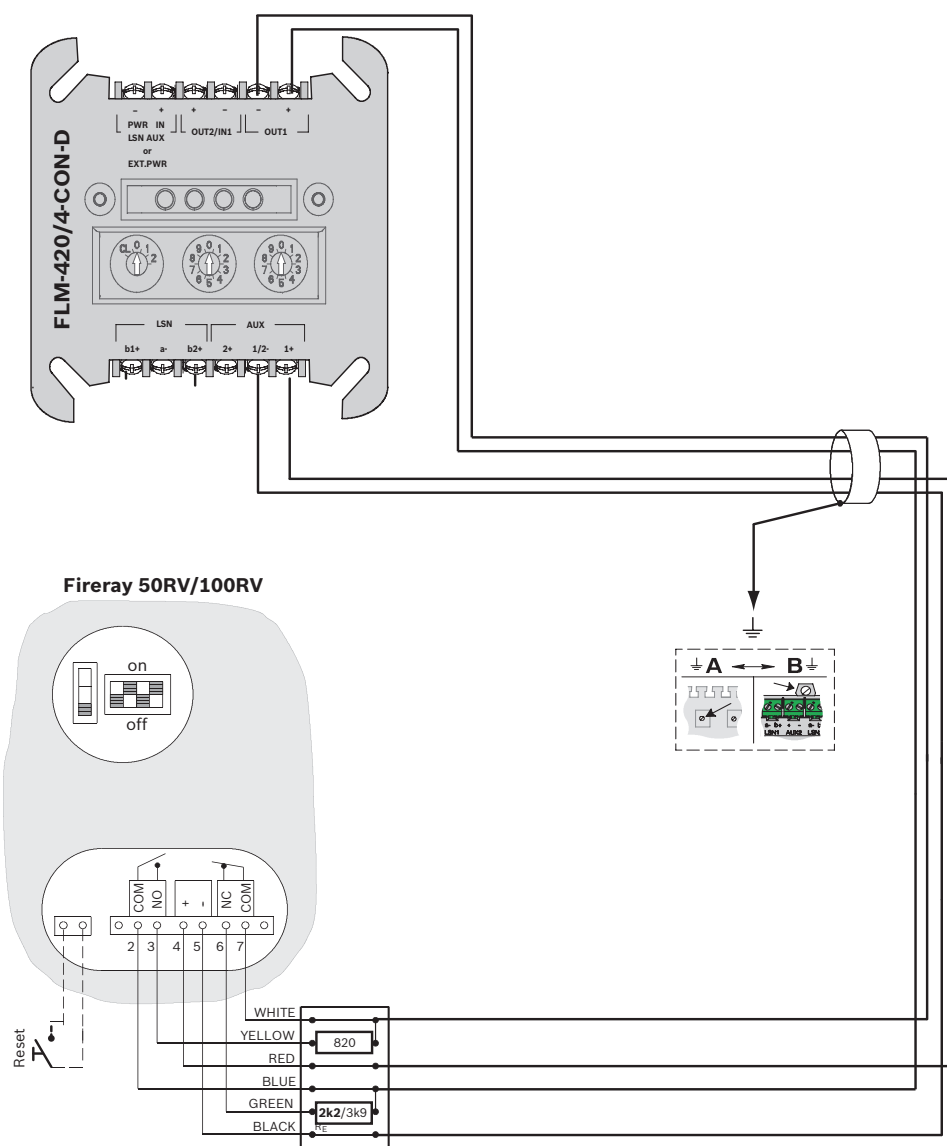


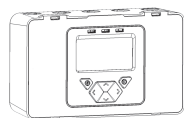
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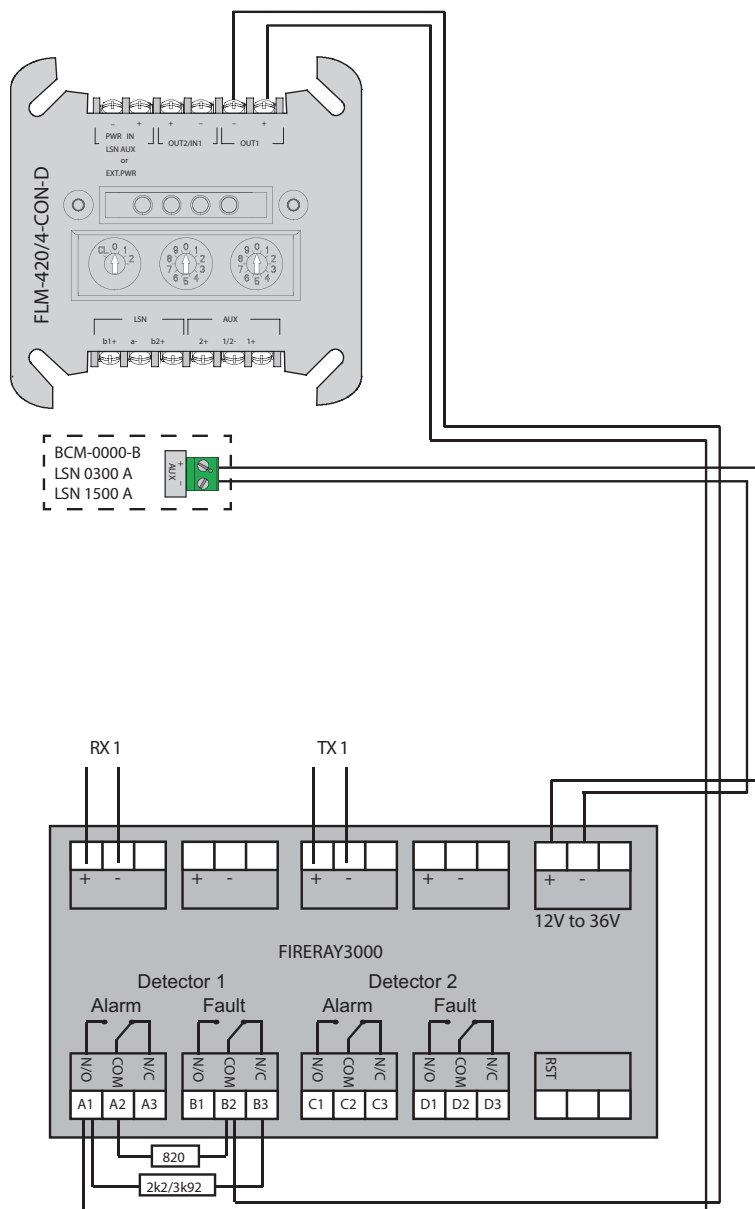
Fireray 50RV
Fireray 100RV





FIRERAY3000

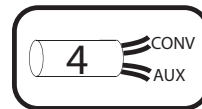
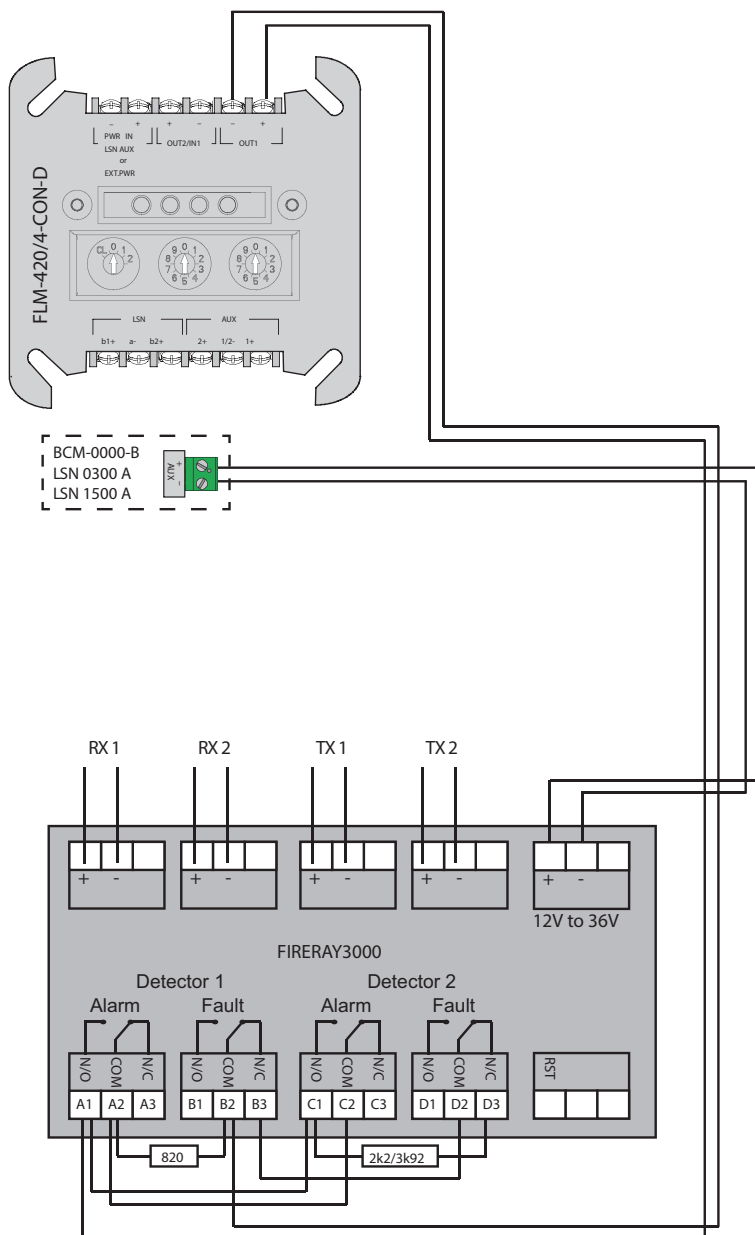
1 x





FIRERAY3000

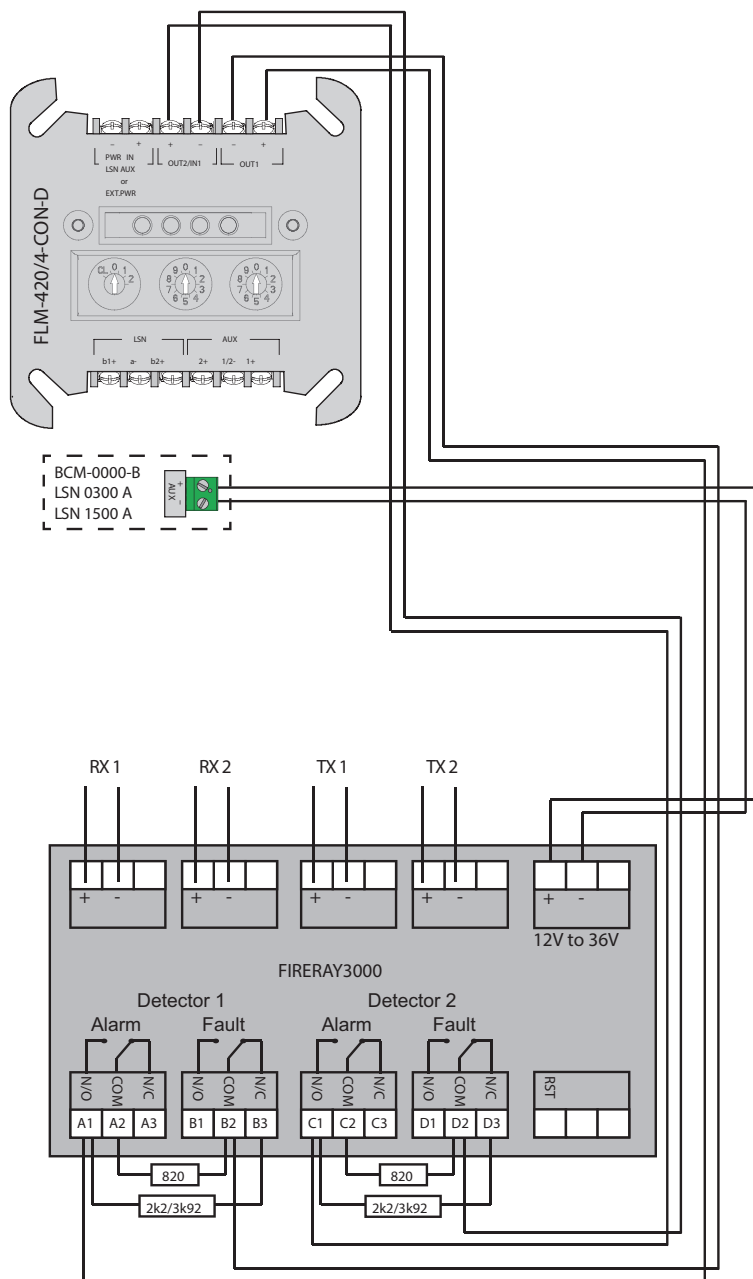
2 x 1





FIRERAY3000

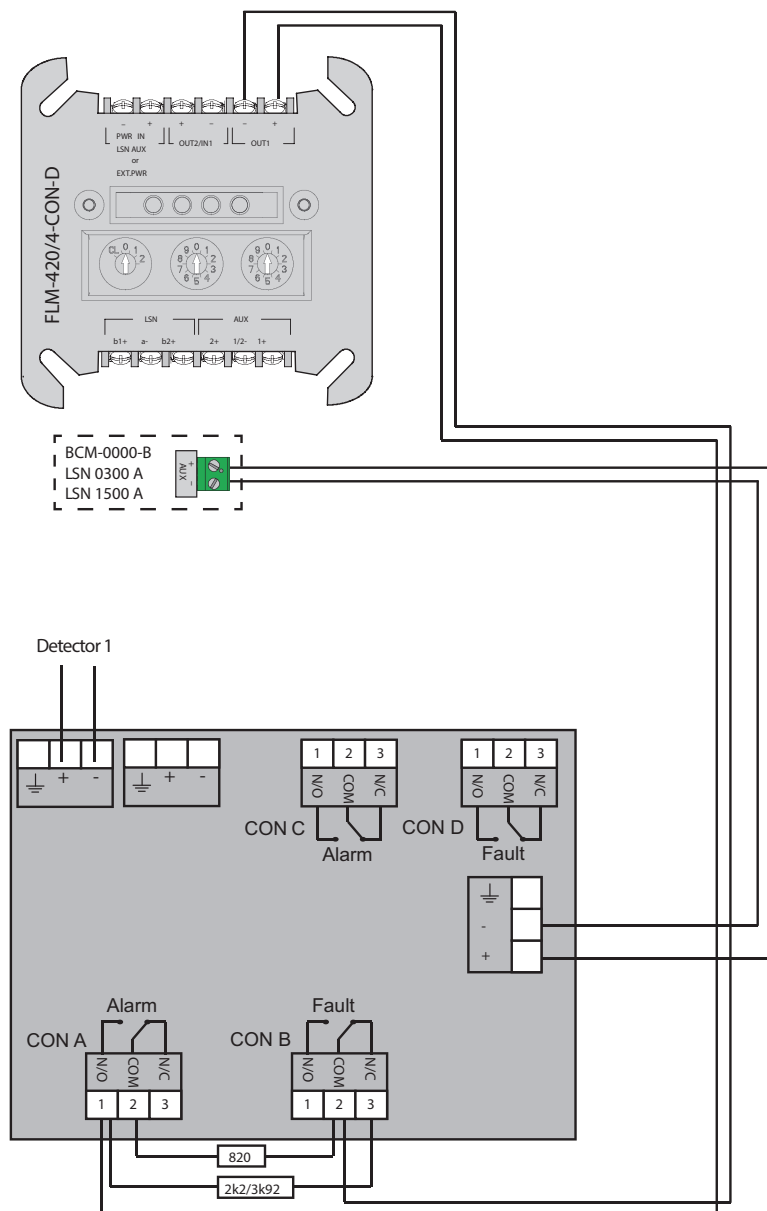
2 x 1+2





FIRERAY5000

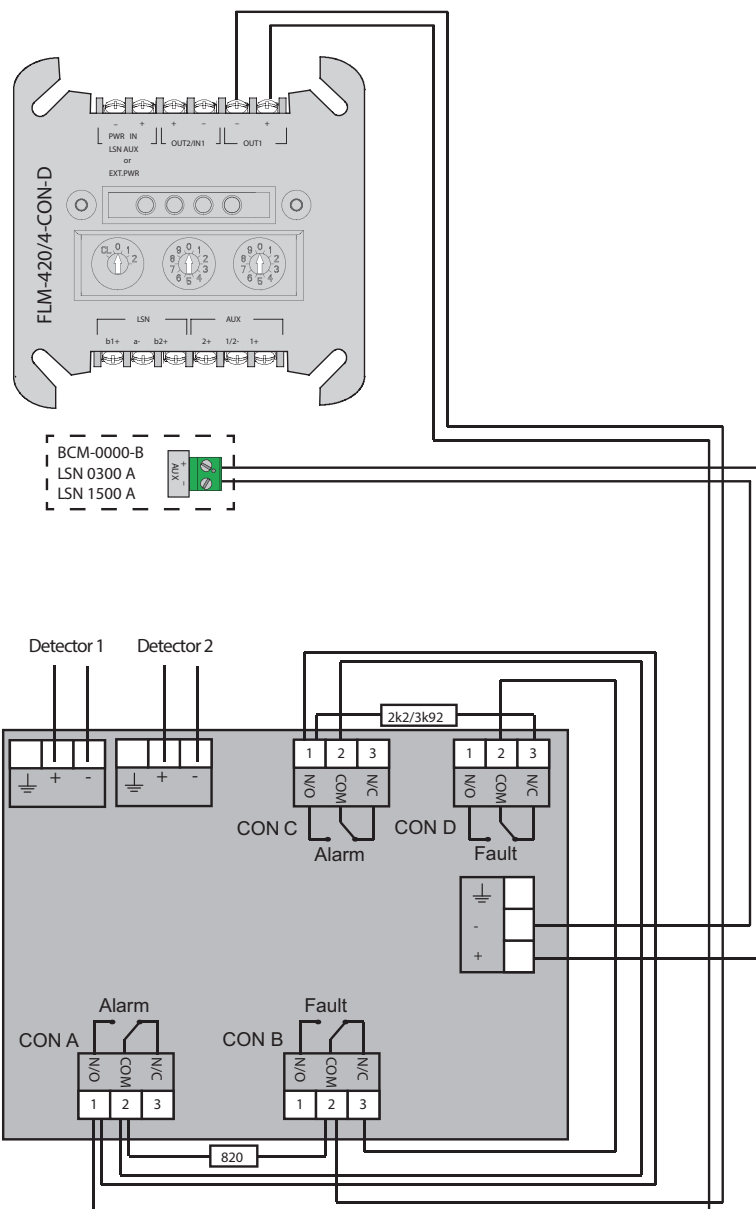
1 x





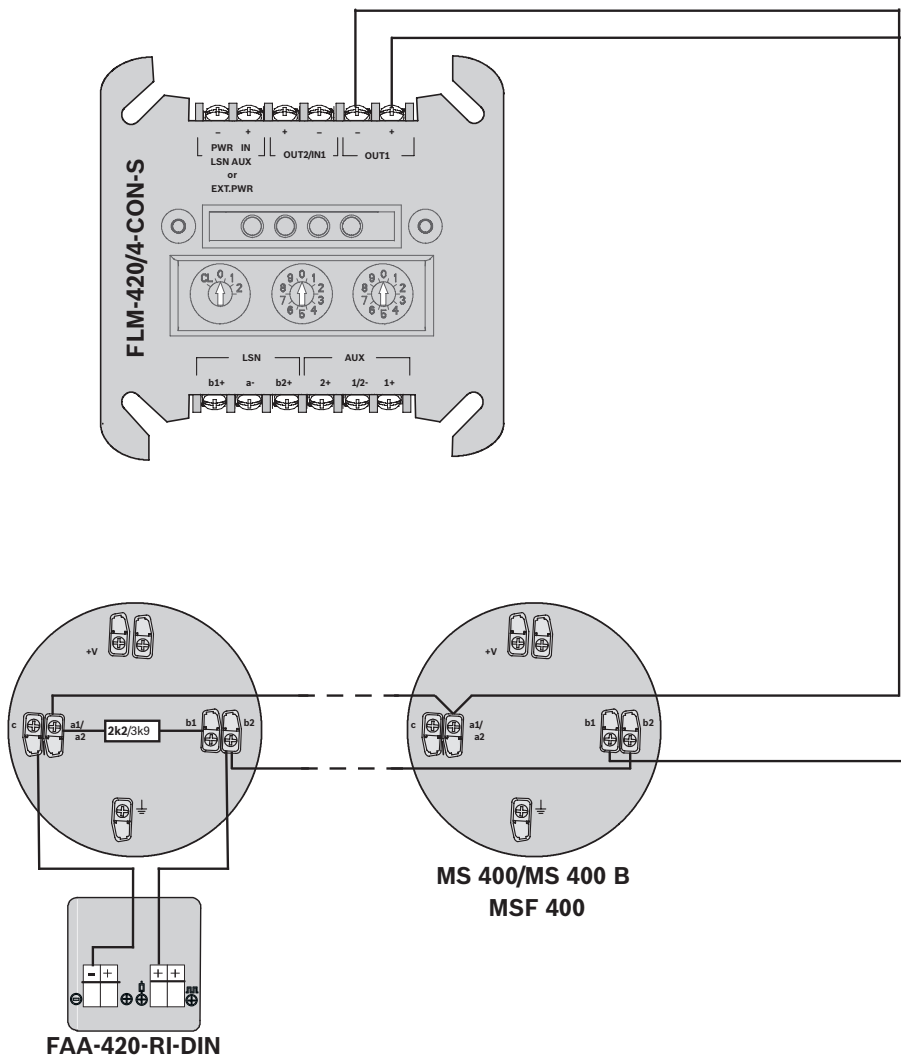
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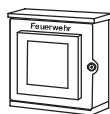
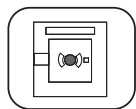
2 x OUT1



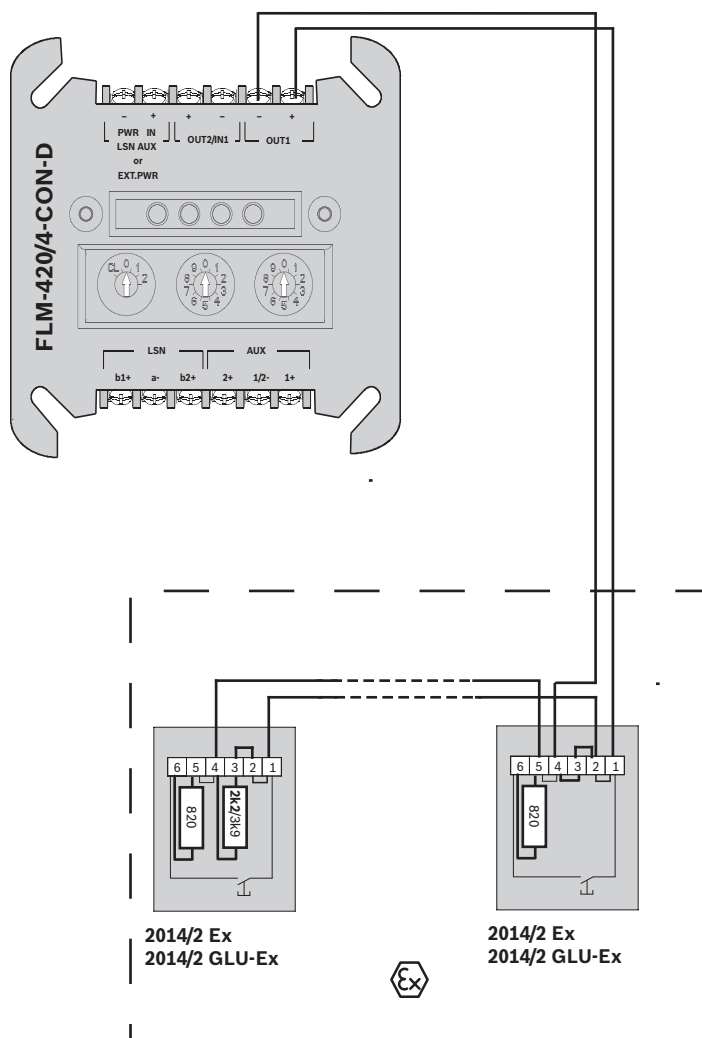
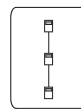


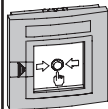
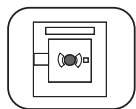
FAP-425-O/-O-R/-OT/-OT-R/-T-R
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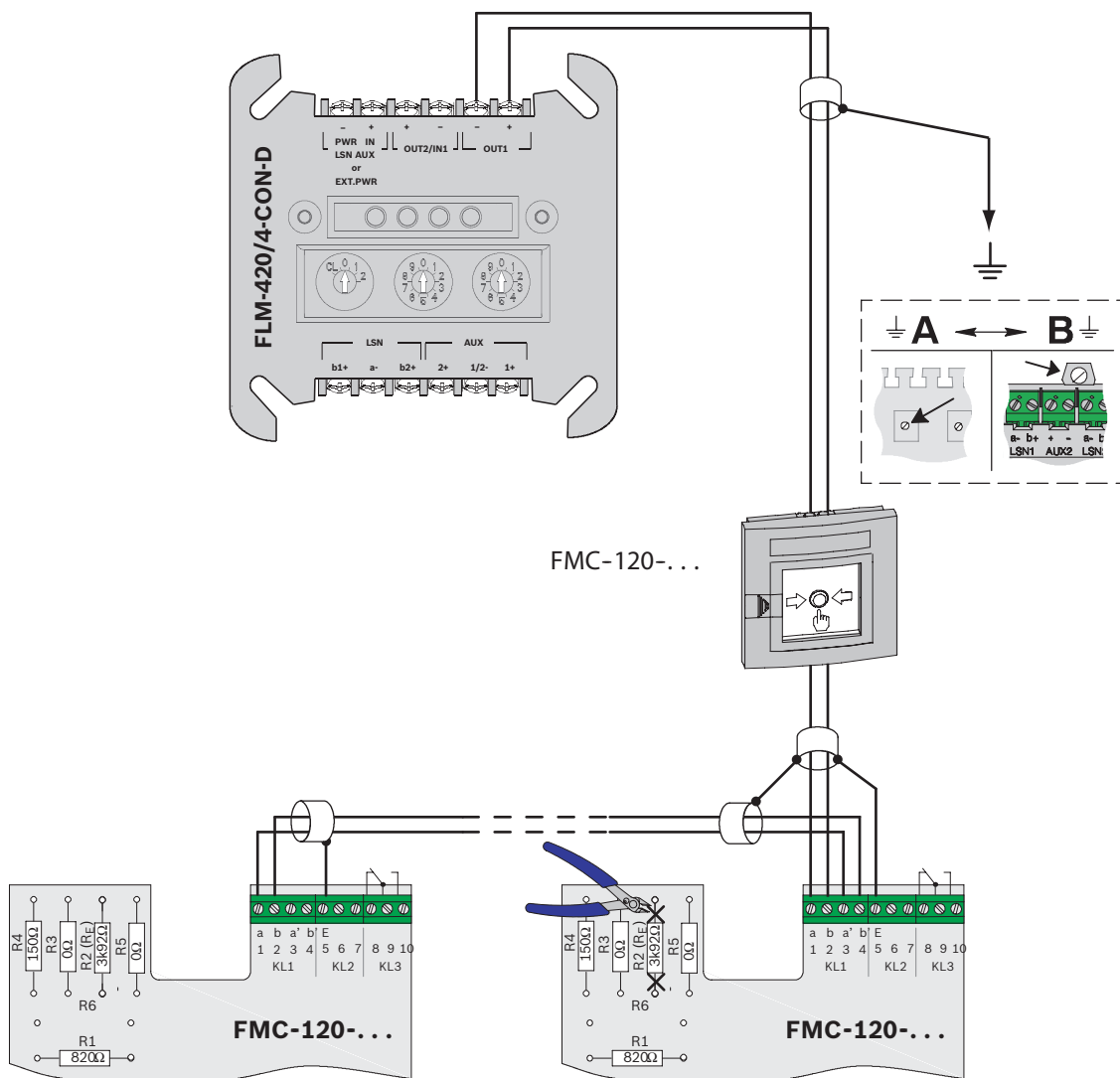
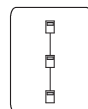


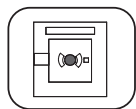
2014/2 Ex
2014/2 GLU-Ex



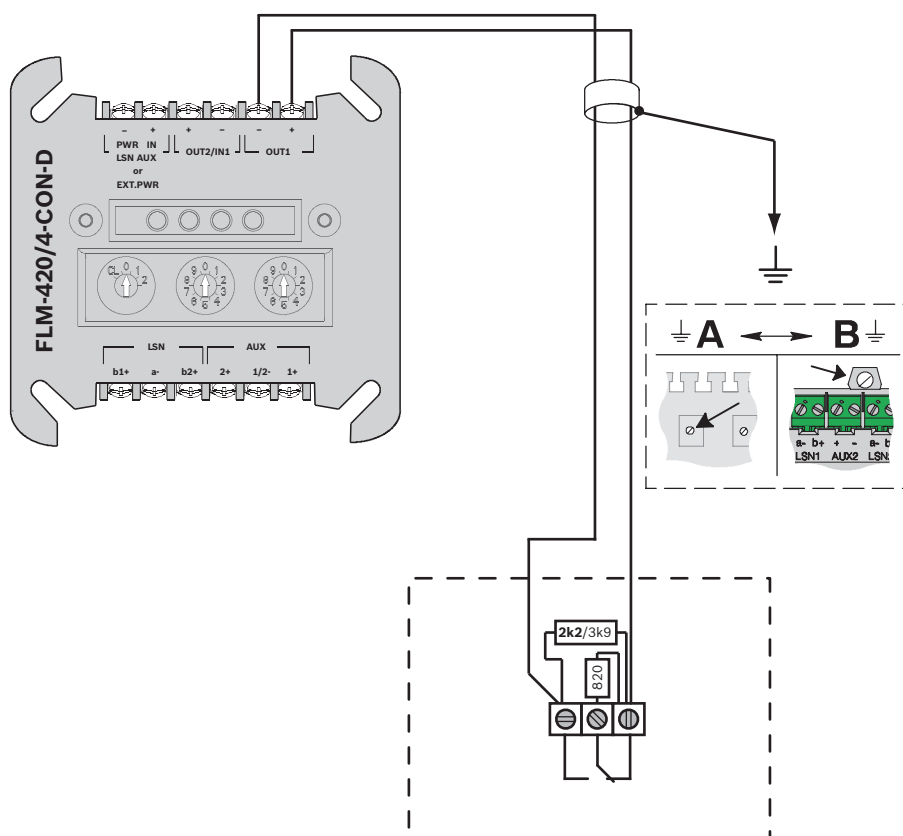
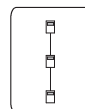


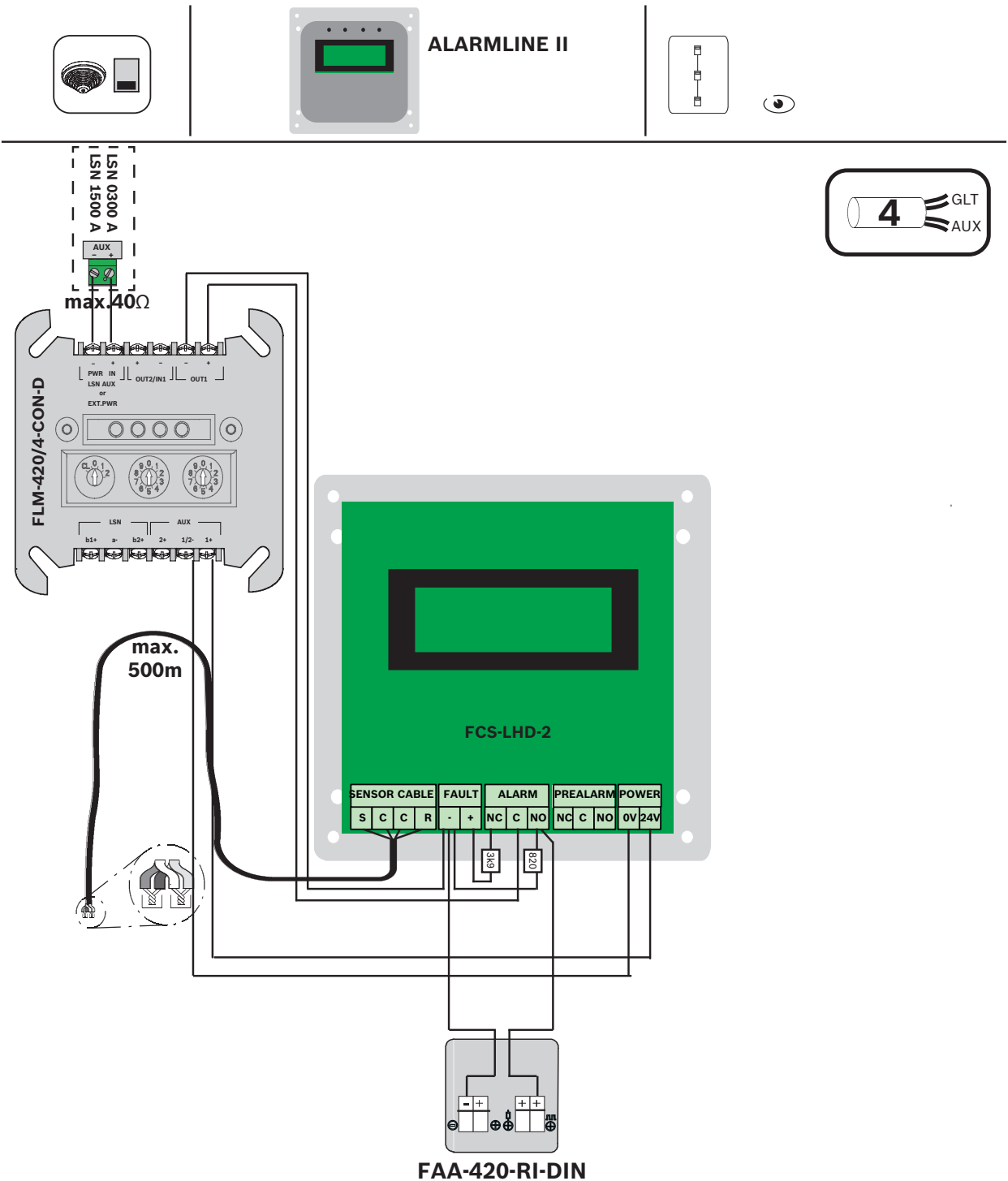
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FMC-120-DKM-H-R FMC-120-EST-G-B
FMC-120-DKM-G-B
FMC-120-DKM-H-B

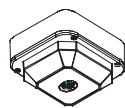




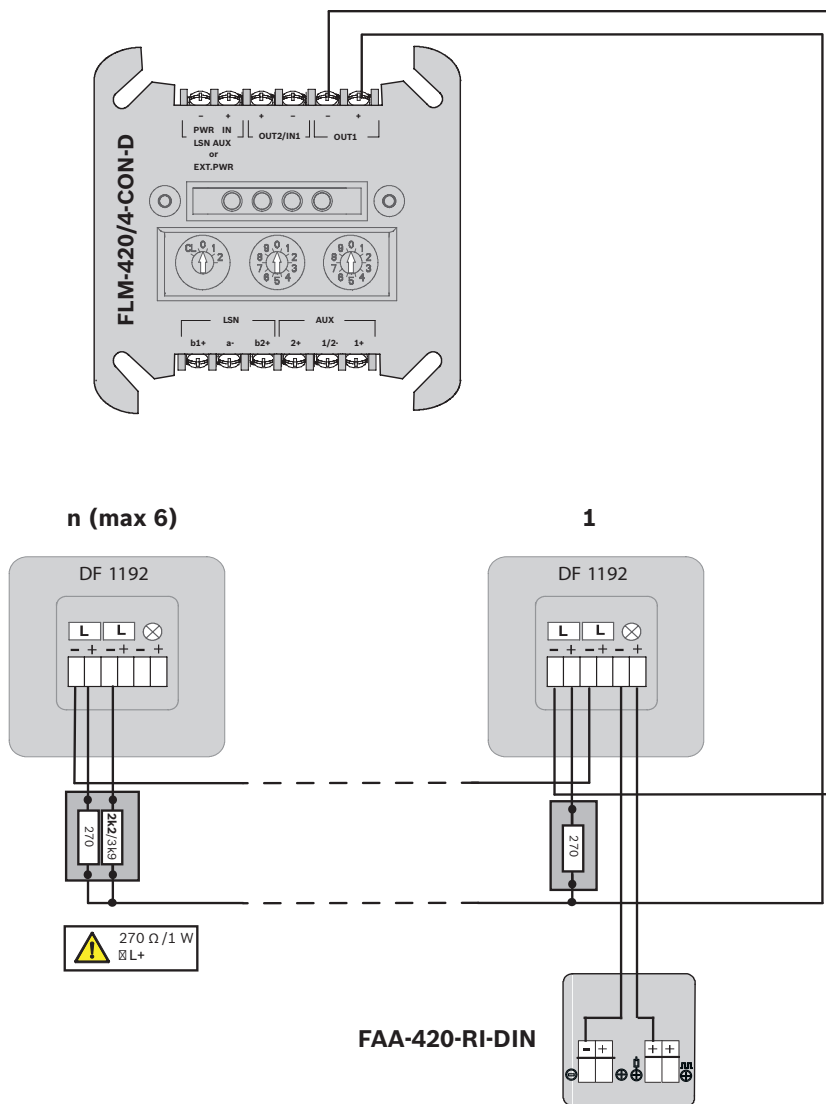
— / — NO

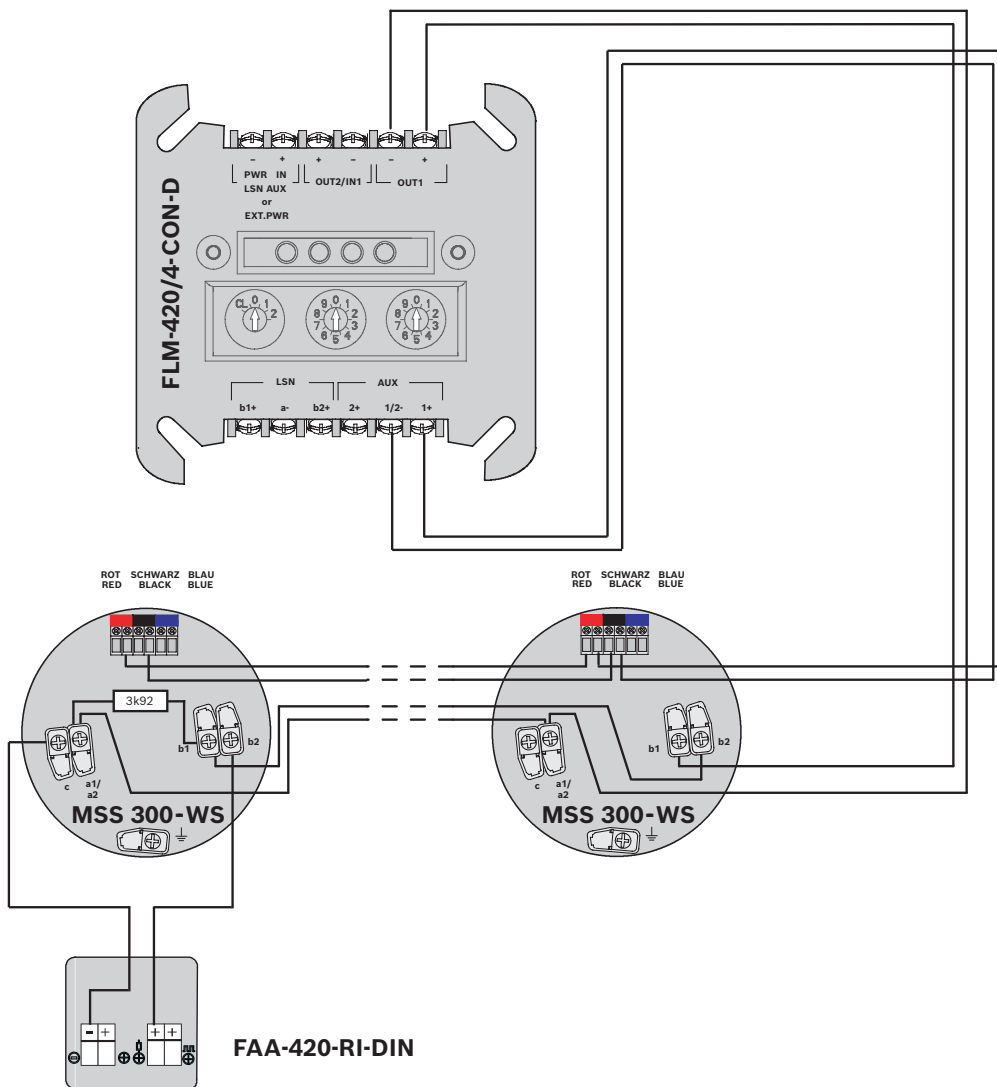


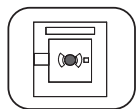




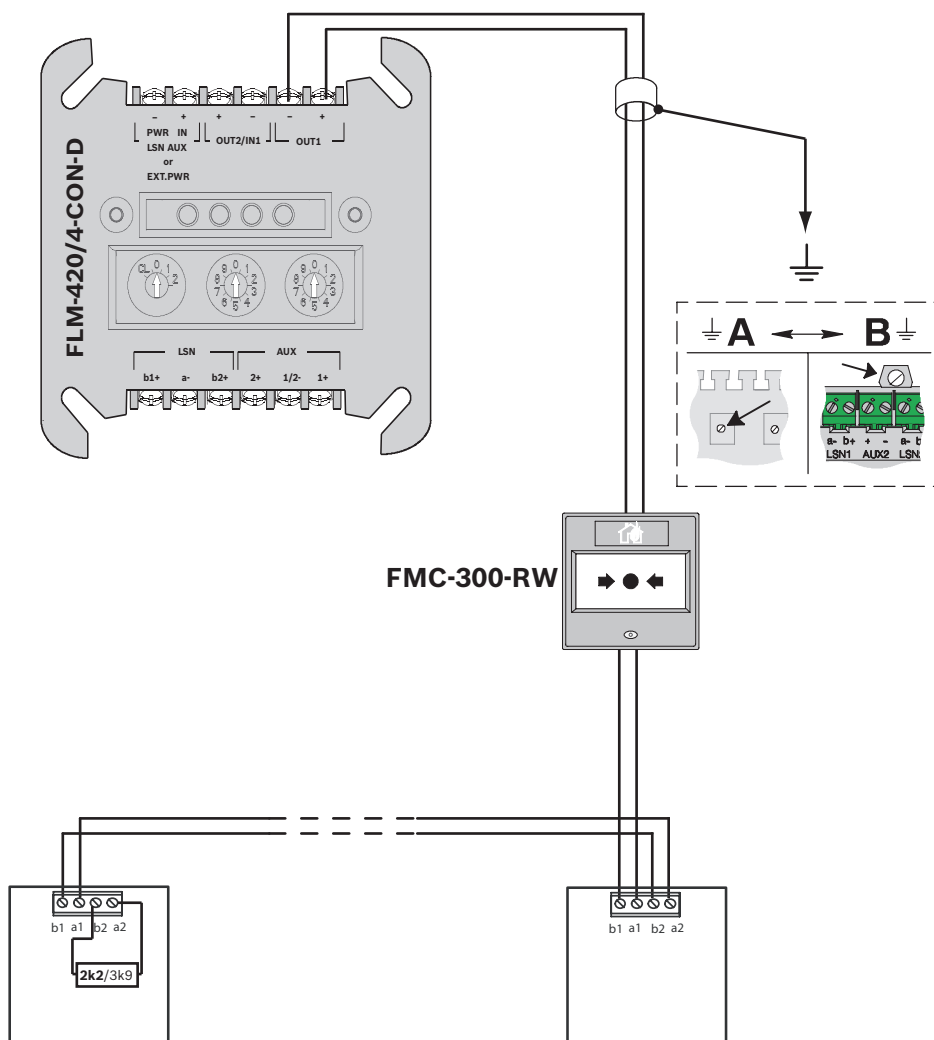
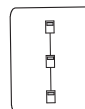
DF 1192



**MSS 300-WS**

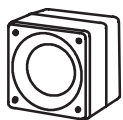


FMC-300-RW

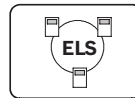


3.4.2

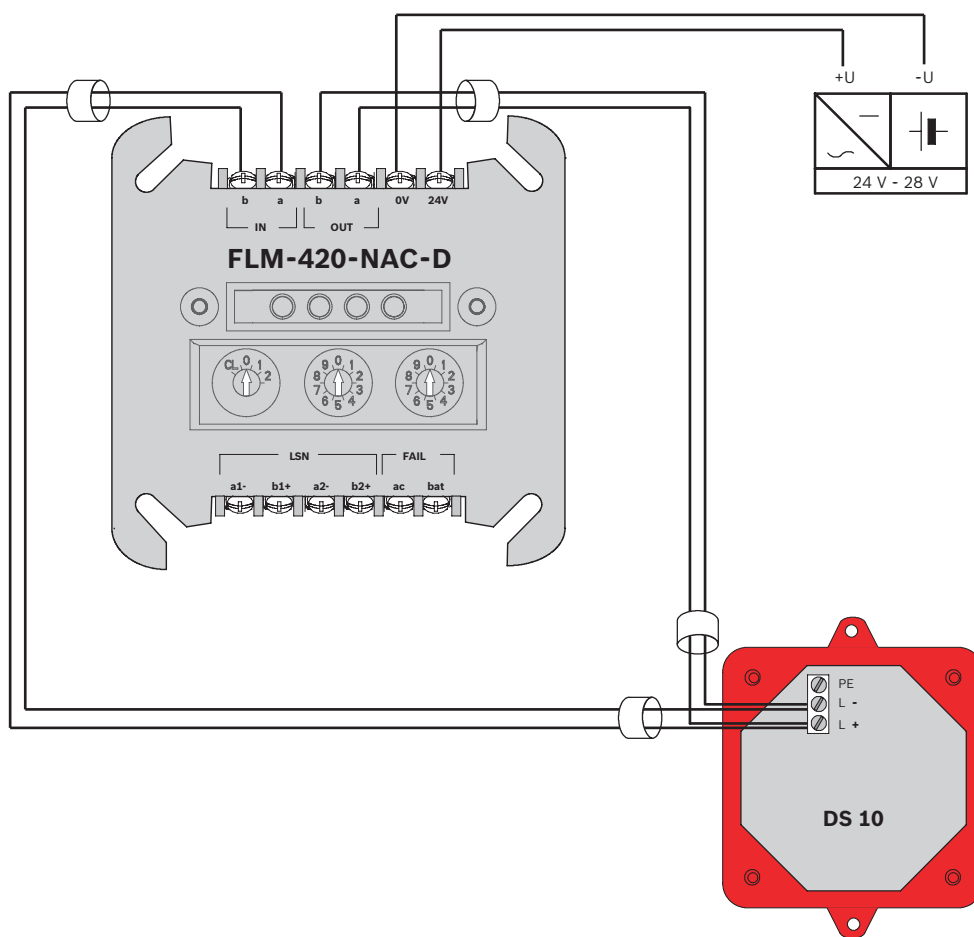
FLM-420-NAC-D/S

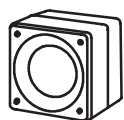
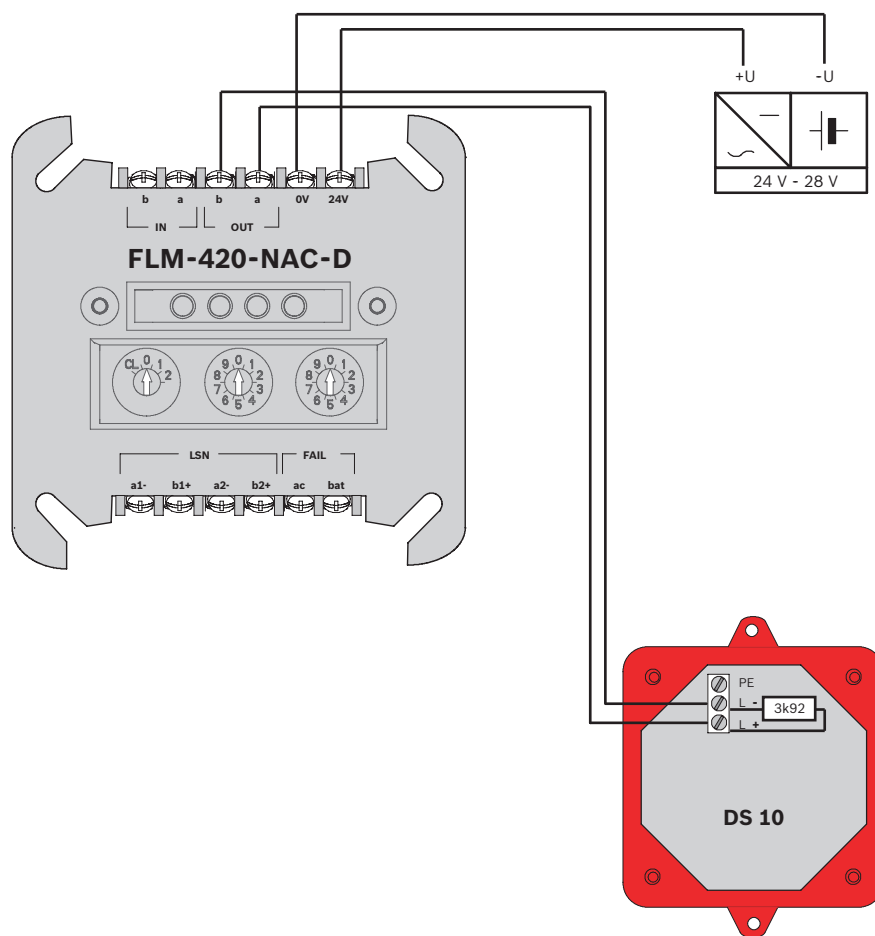
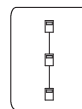


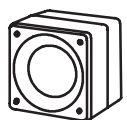
DS 10



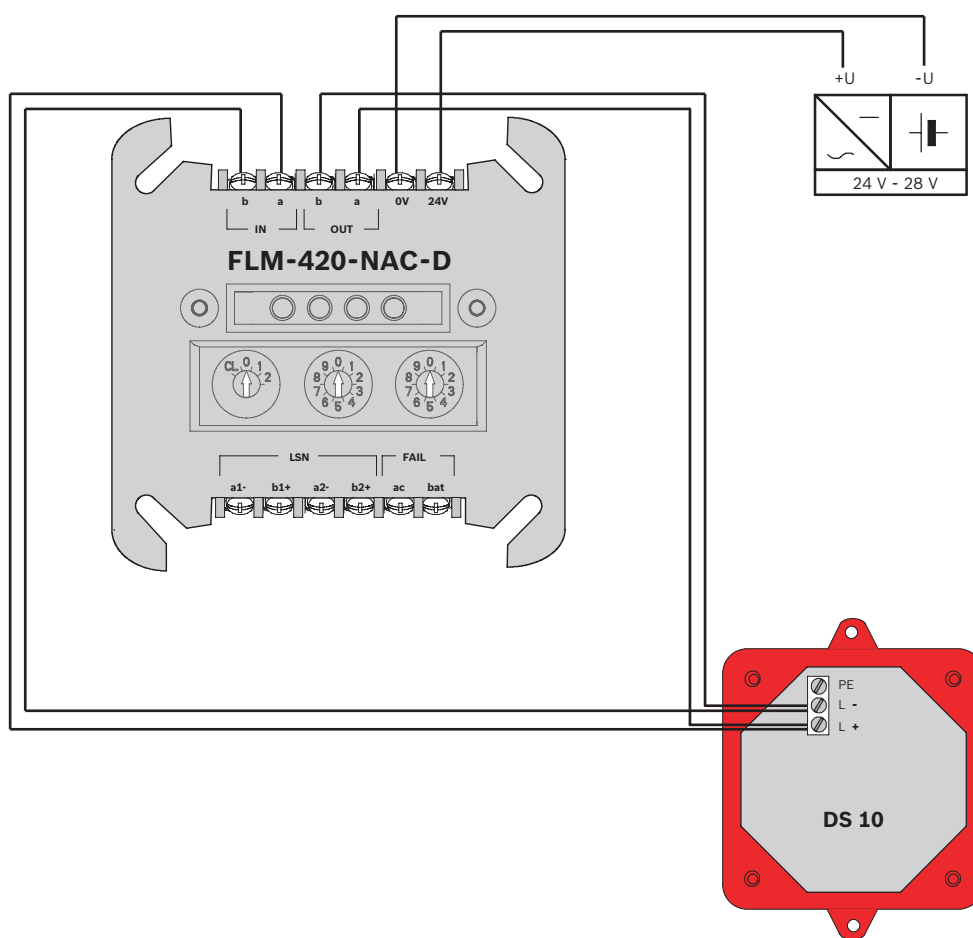
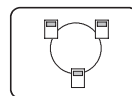
VdS 2489

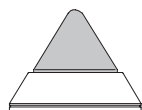


**DS 10**

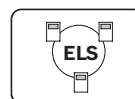


DS 10

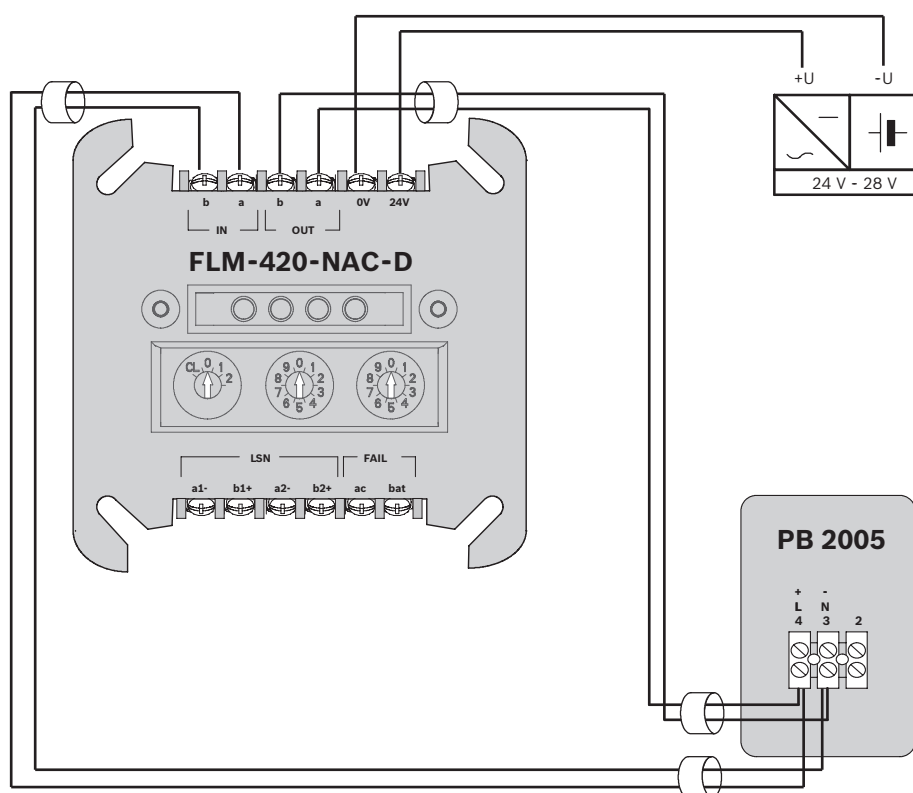




PB 2005

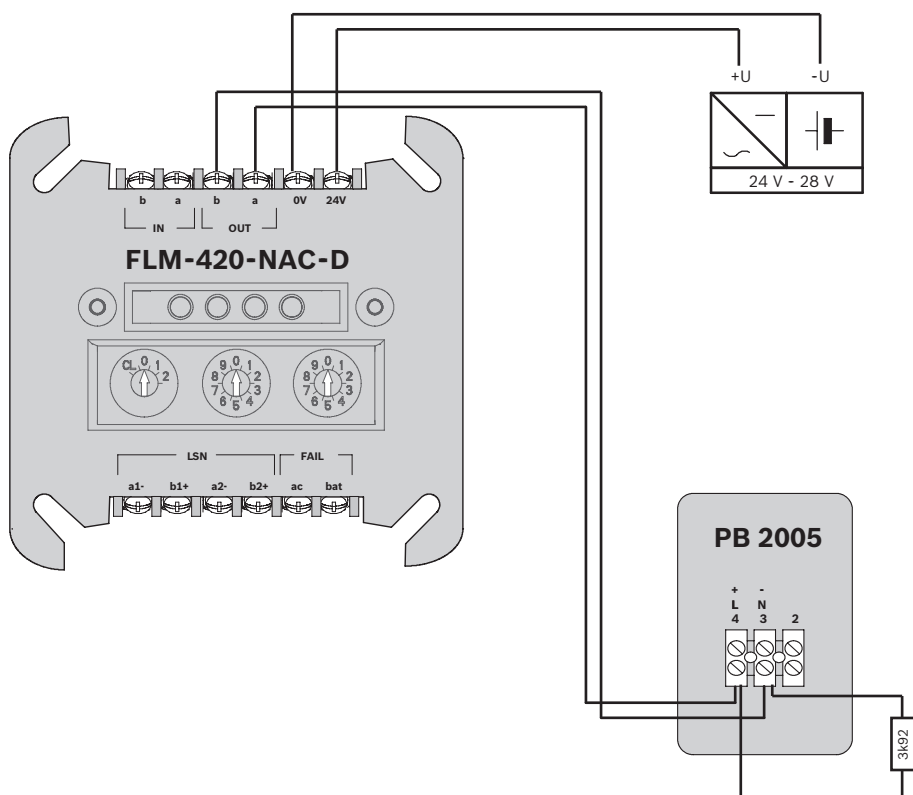
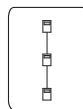


VdS 2489



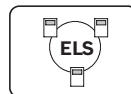


PB 2005

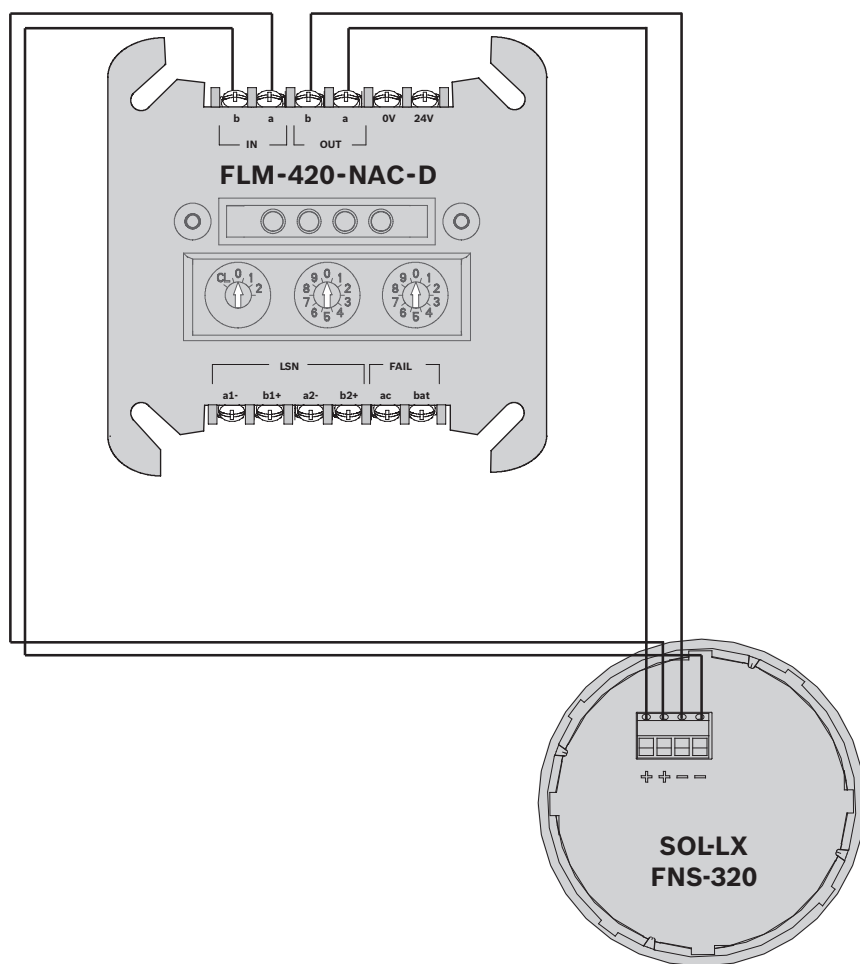




**SOL-LX
FNS-320**

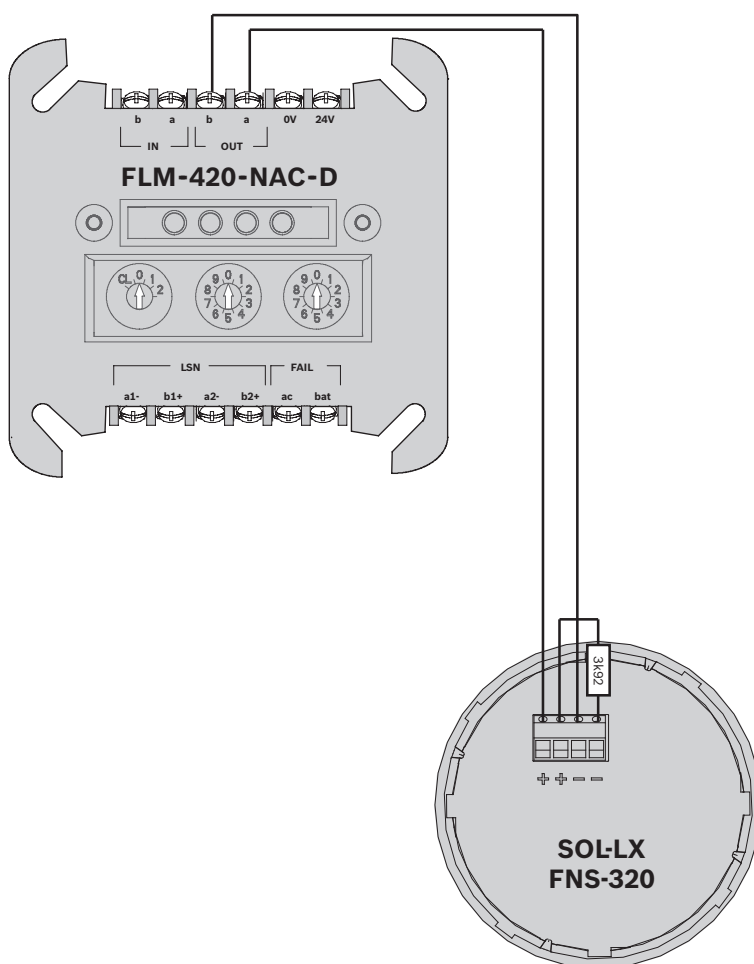
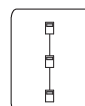


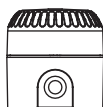
VdS 2489



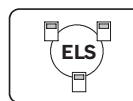


**SOL-LX
FNS-320**

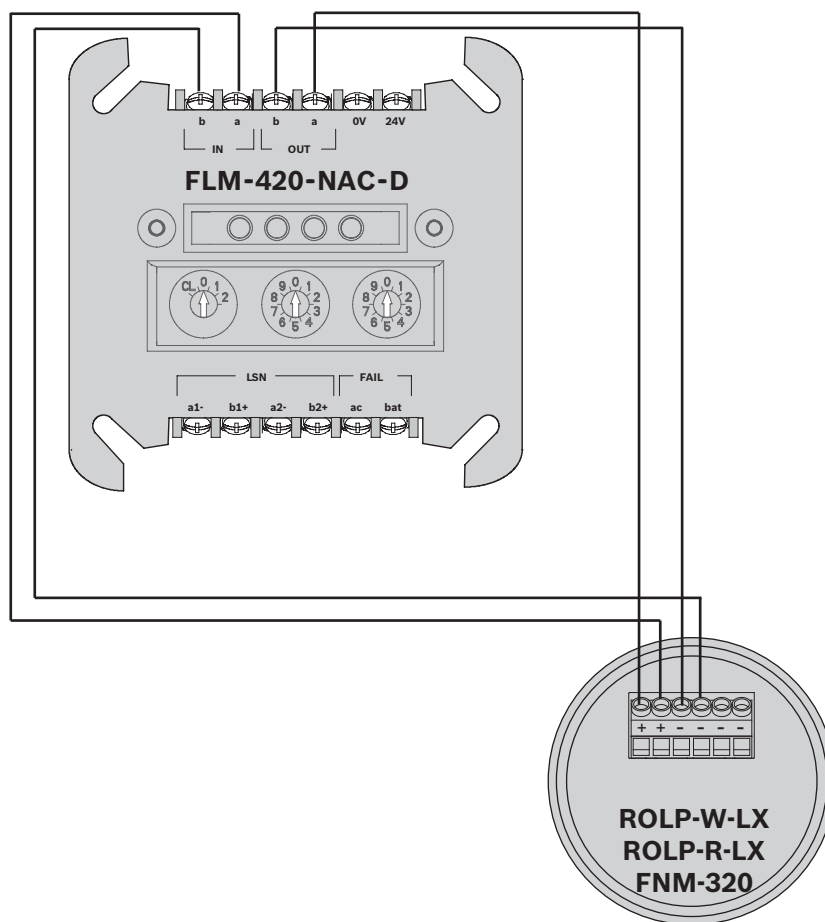




ROLP-W-LX
ROLP-R-LX
FNM-320

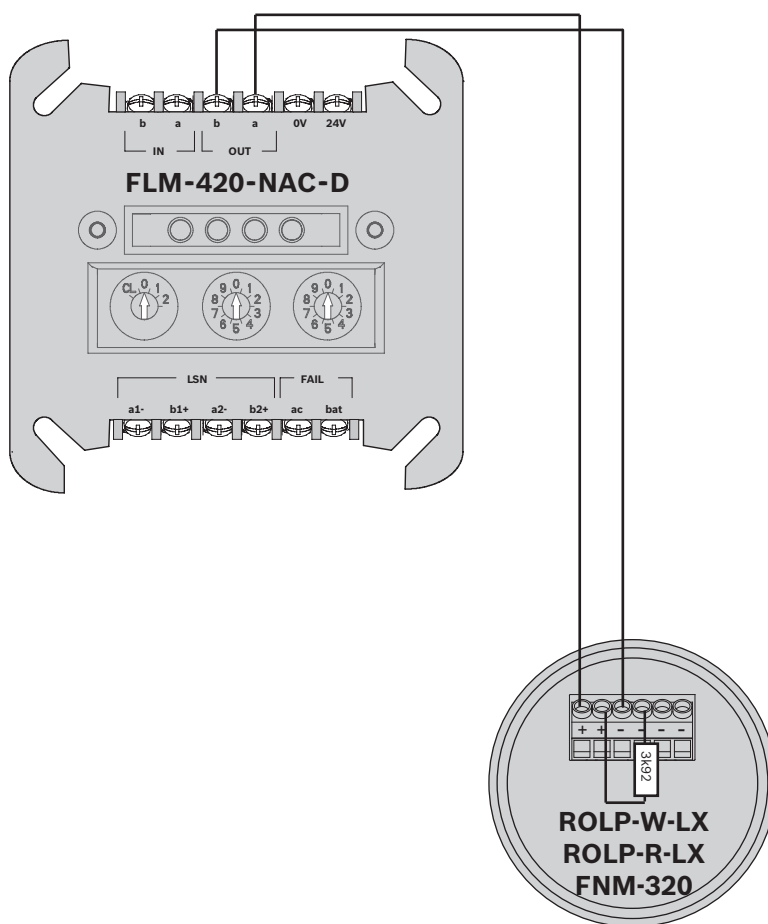
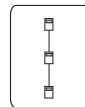


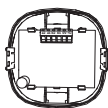
VdS 2489



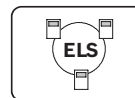


ROLP-W-LX
ROLP-R-LX
FNM-320

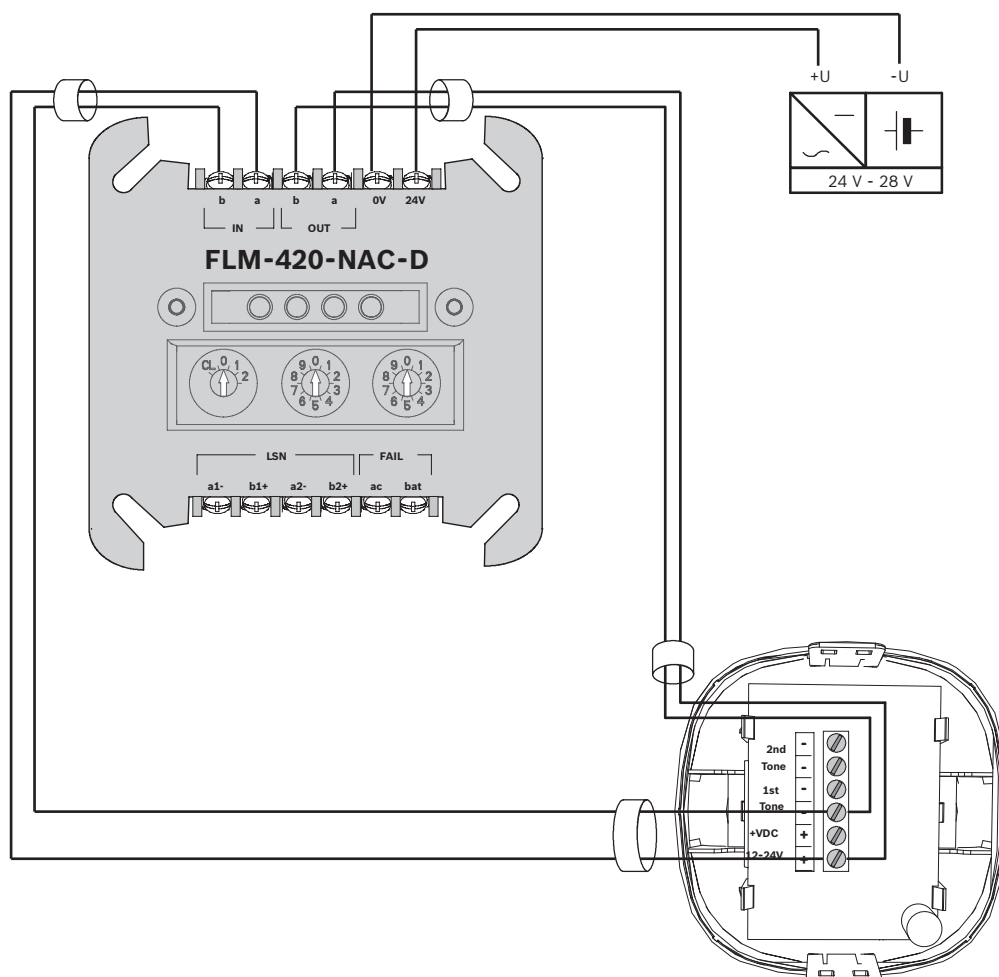


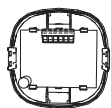


FNM-320V-A / -B

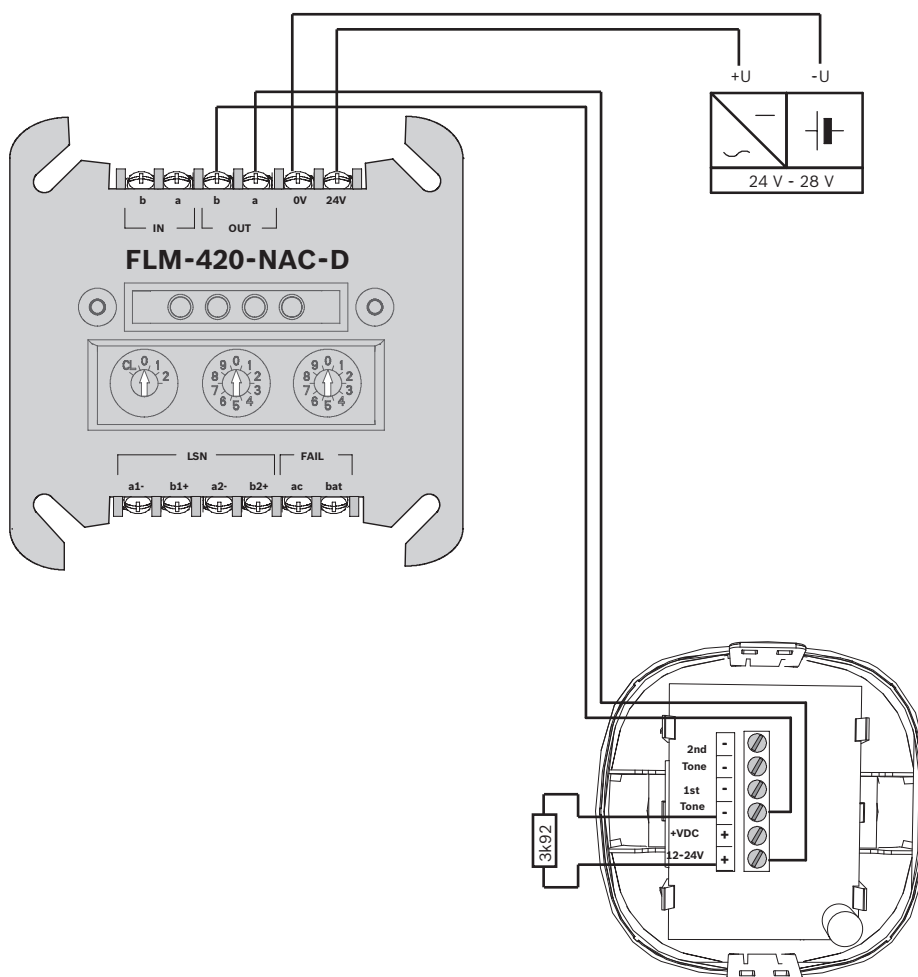
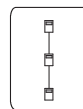


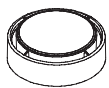
VdS 2489



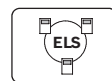


FNM-320V-A / -B

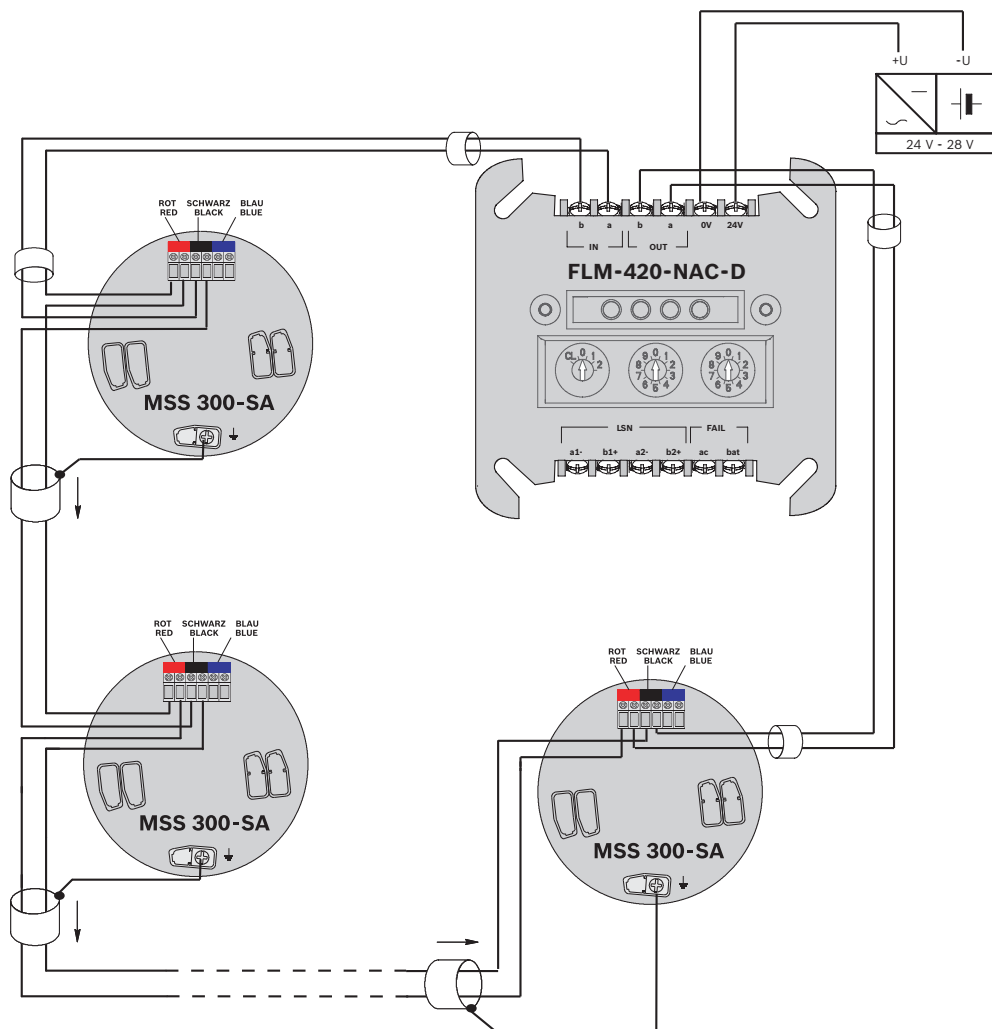




MSS 300-SA



VdS 2489

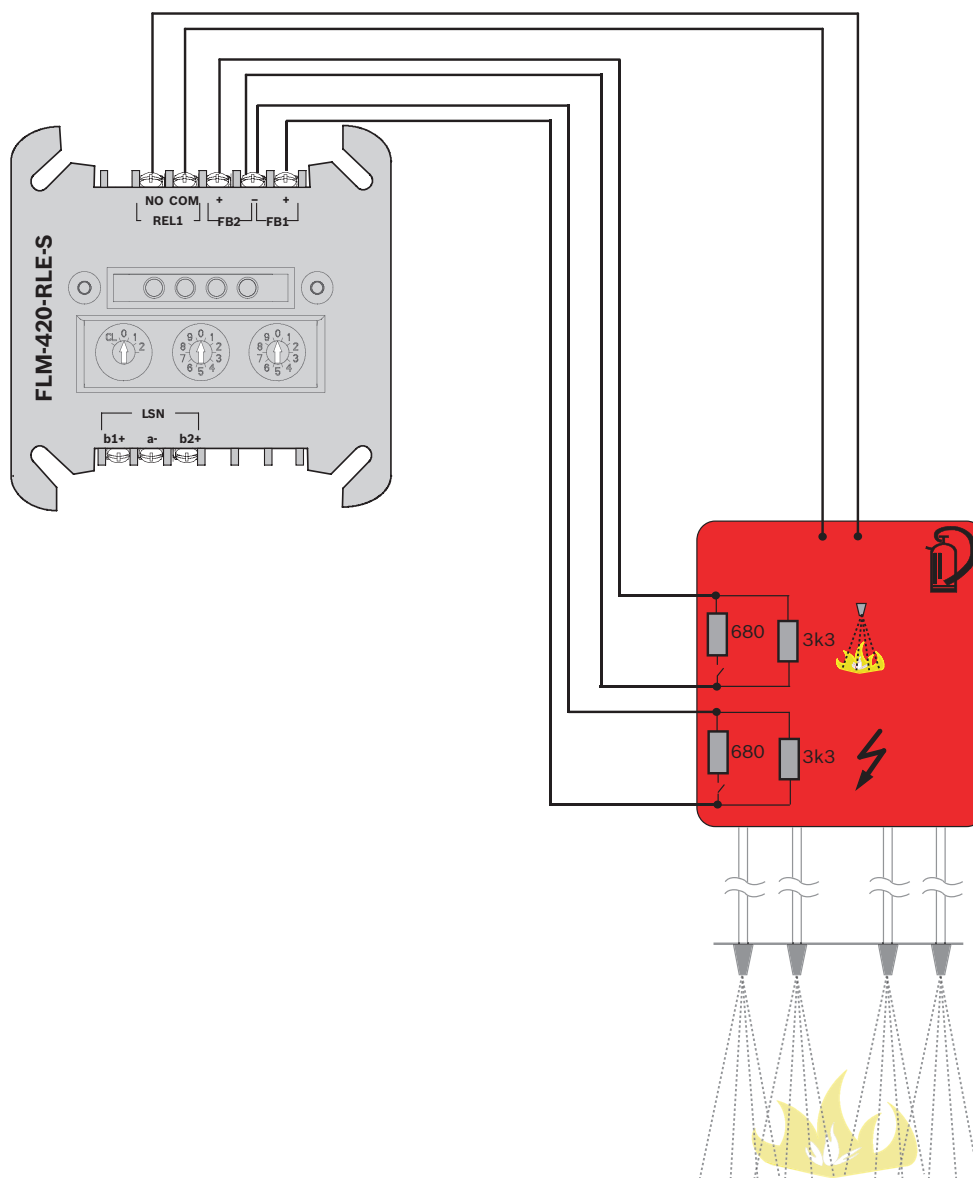


3.4.3

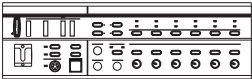
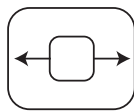
FLM-420-RLE-S



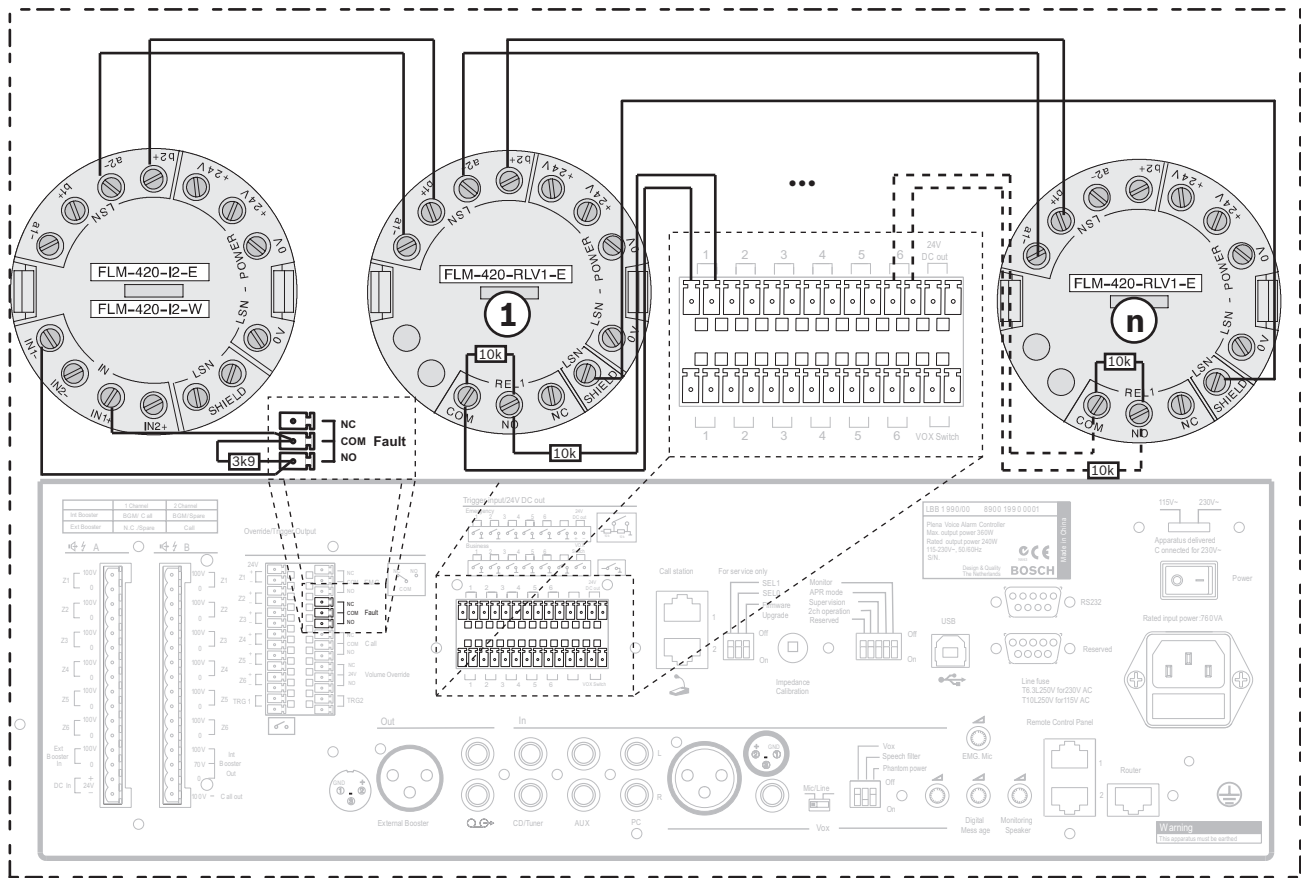
VdS 2496:2005-09



3.4.4 FLM-420-RLV1-E

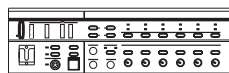
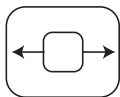


Plena

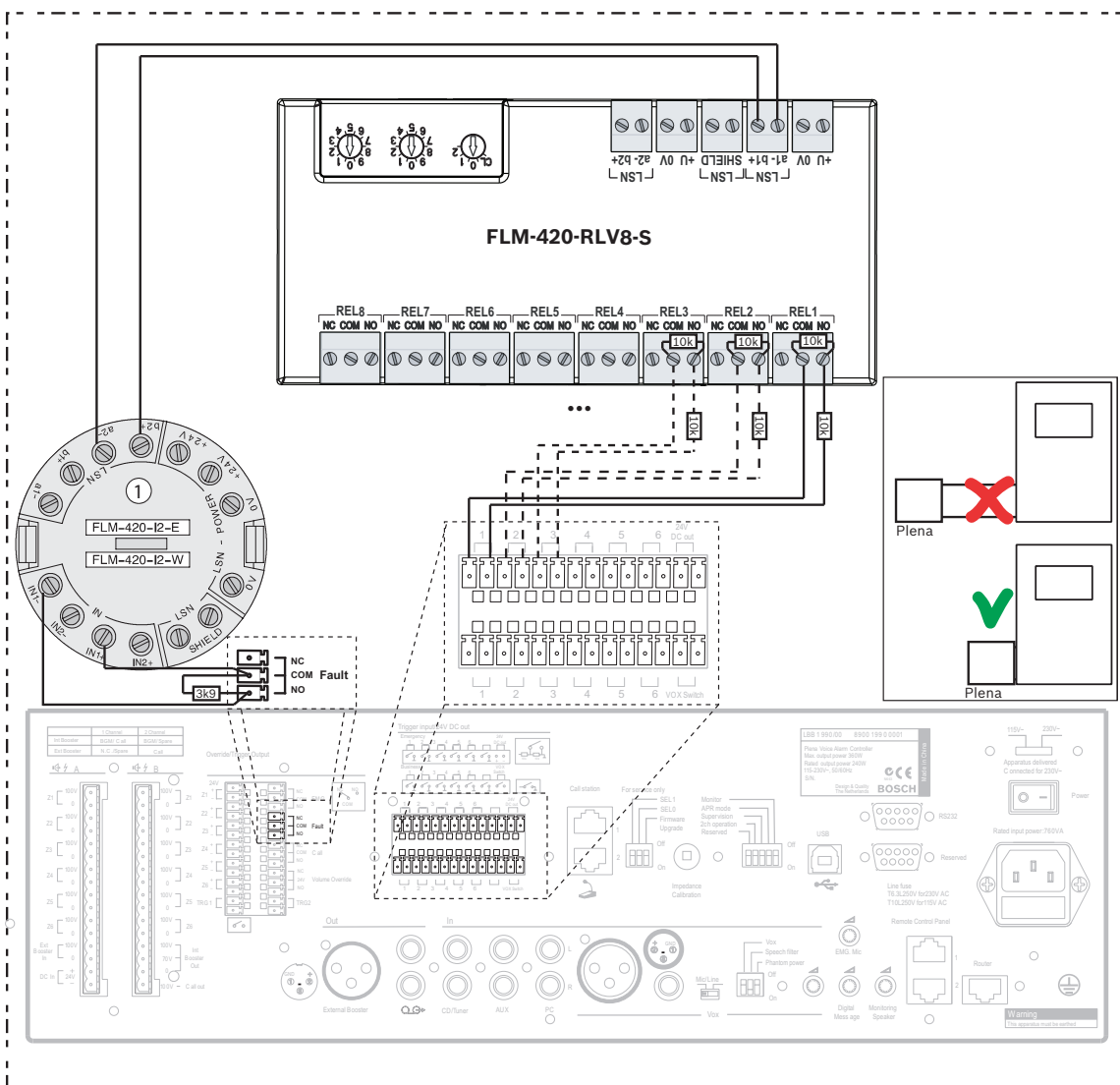
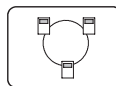


3.4.5

FLM-420-RLV8-S

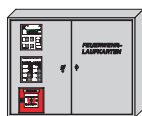


Plena



3.4.6

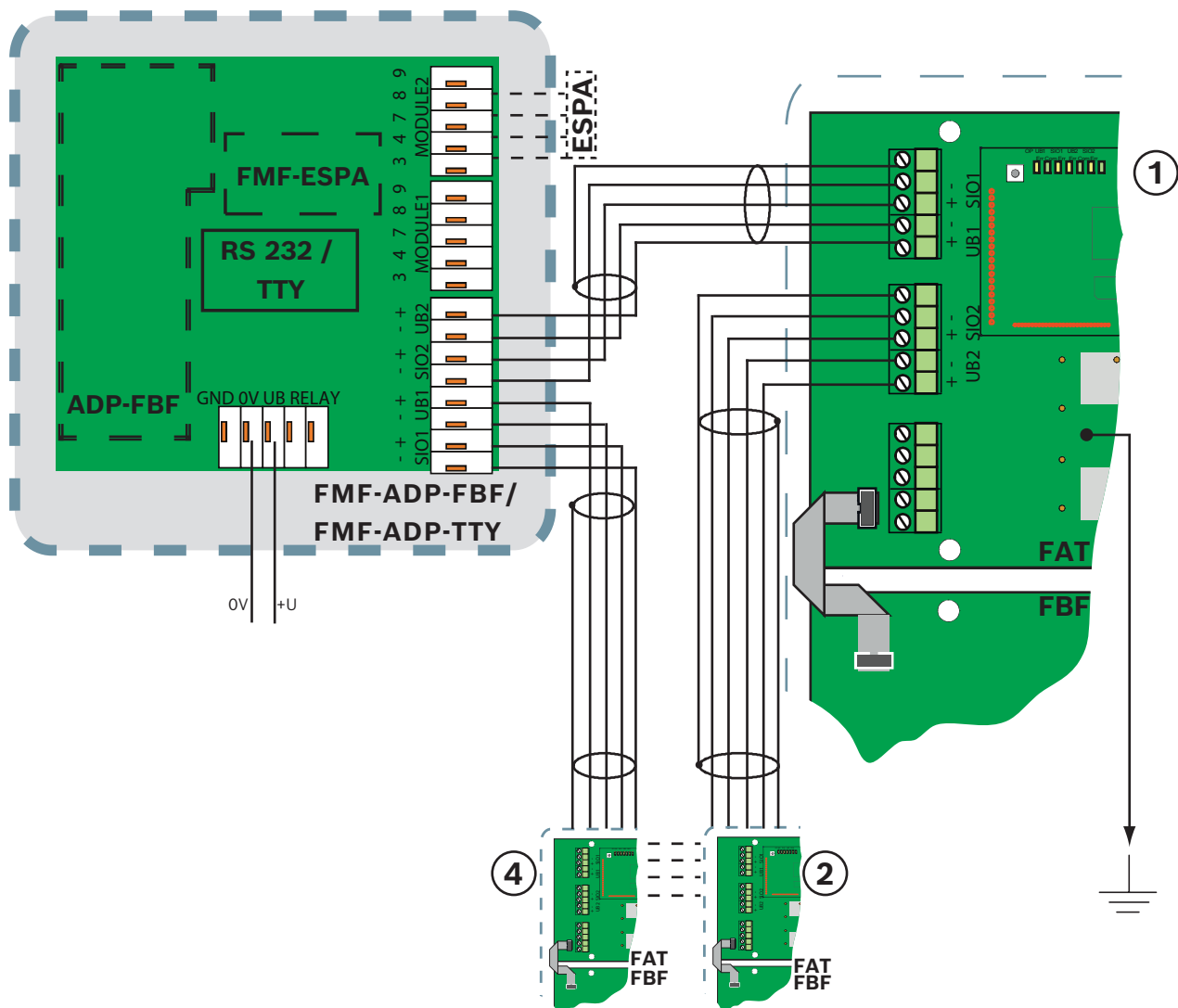
FMF-ADP-FBF/FMF-ADP-TTY



FAT4000 FBF4000 ADP4000

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

ELS VdS 2489

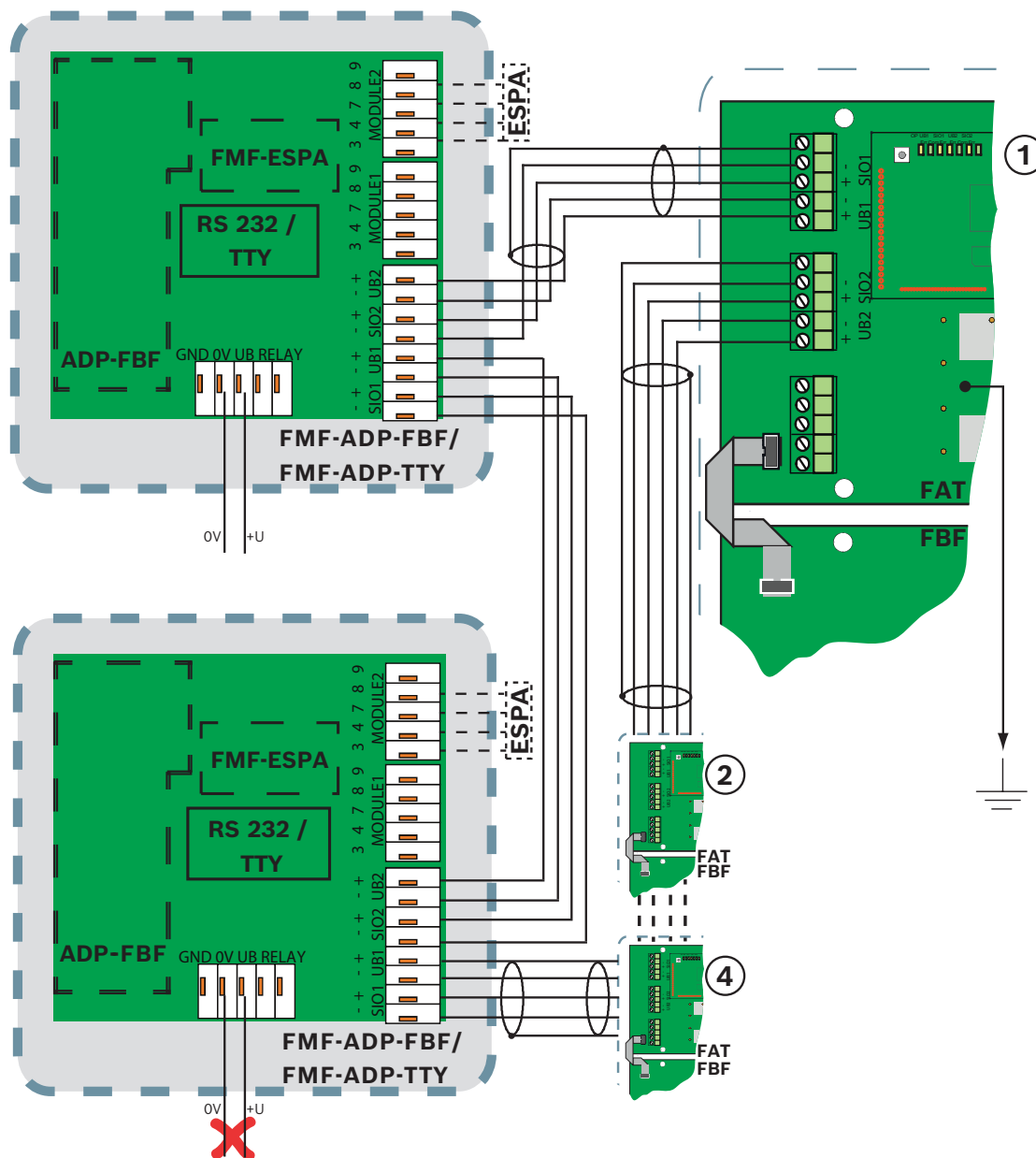




FAT4000 FBF4000 ADP4000

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

ELS VdS 2489



3.5

EOL

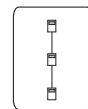
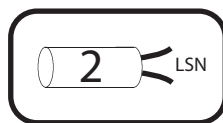


LSN 0300 A, oldal 181

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

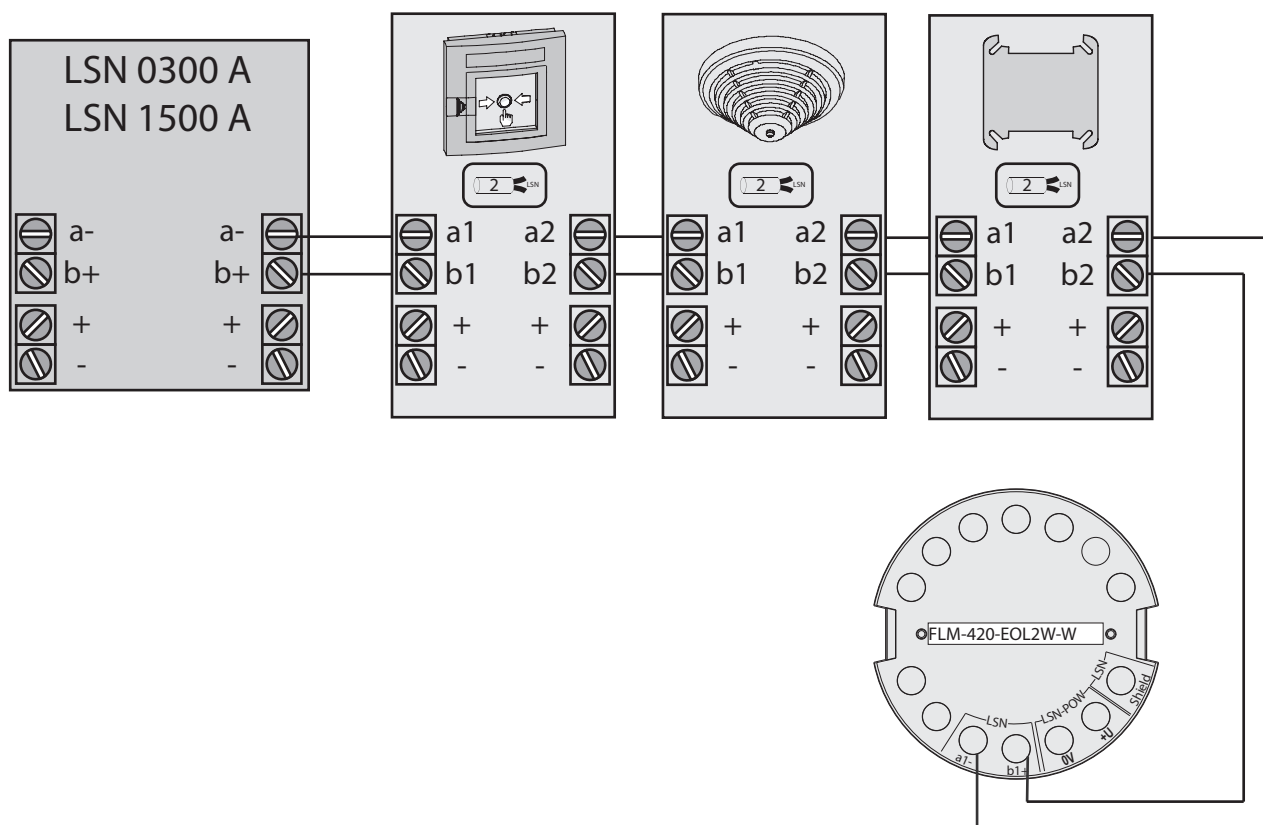
3.5.1

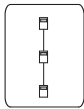
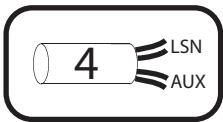
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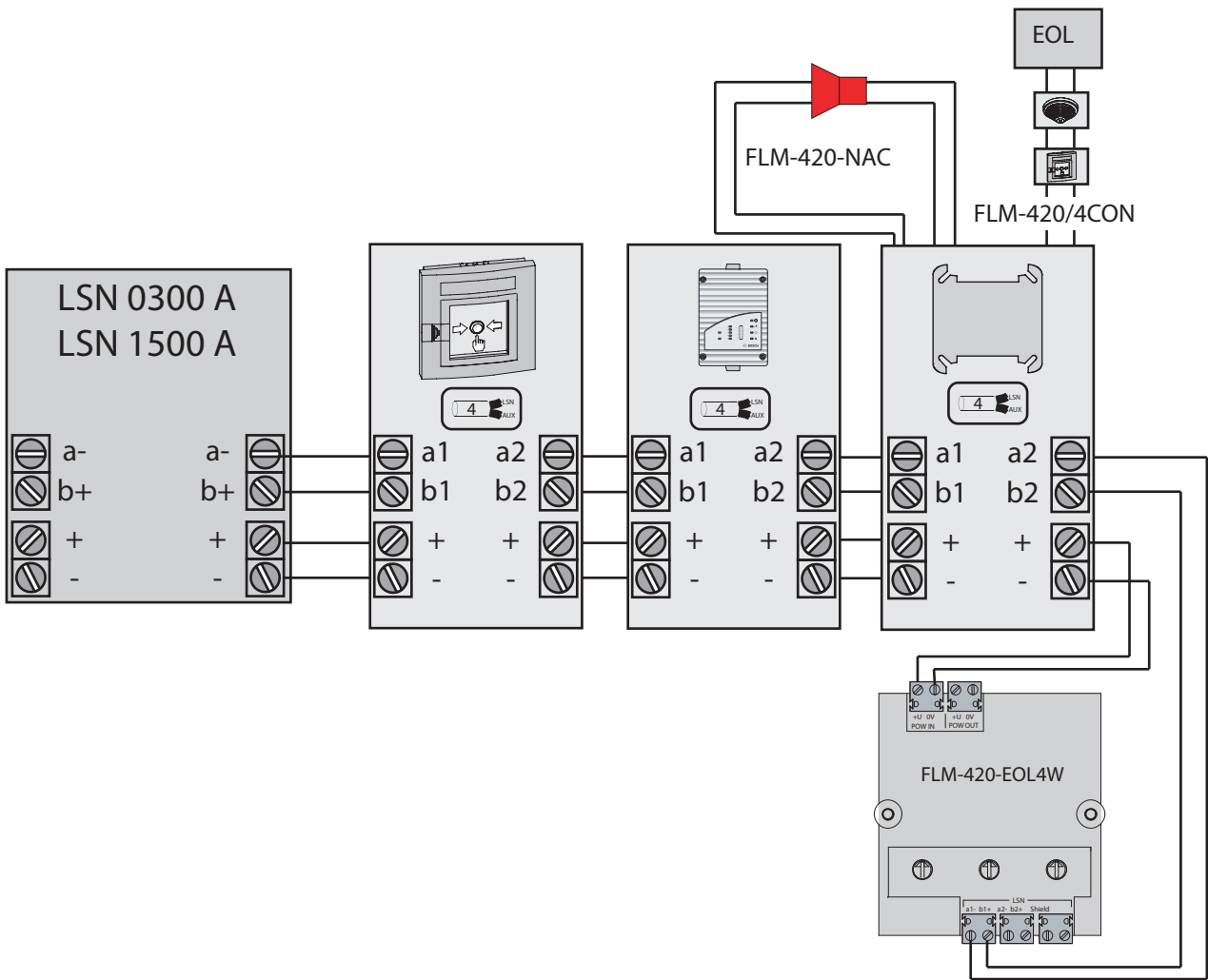
ELS

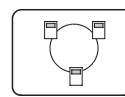
VdS 2489



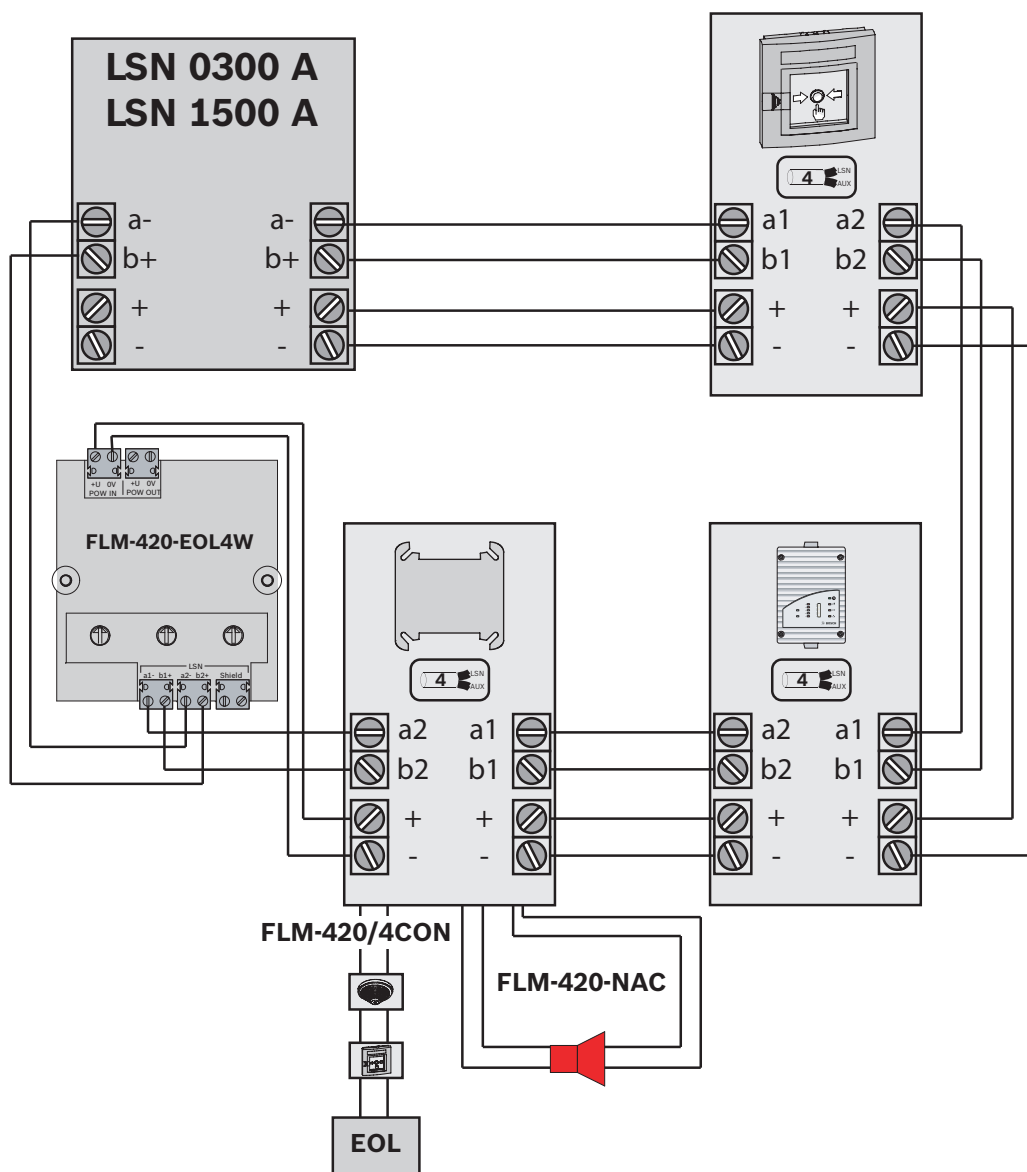


ELS VdS 2489





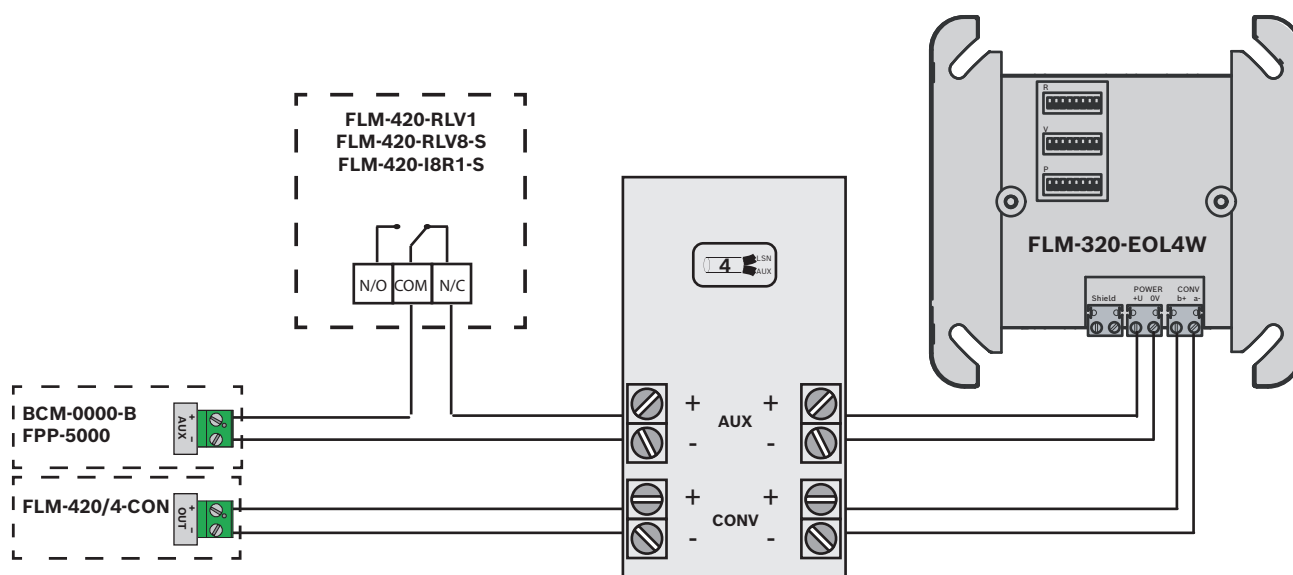
ELS VdS 2489

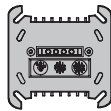
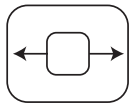




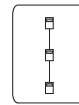
Reset action

ELS VdS 2489

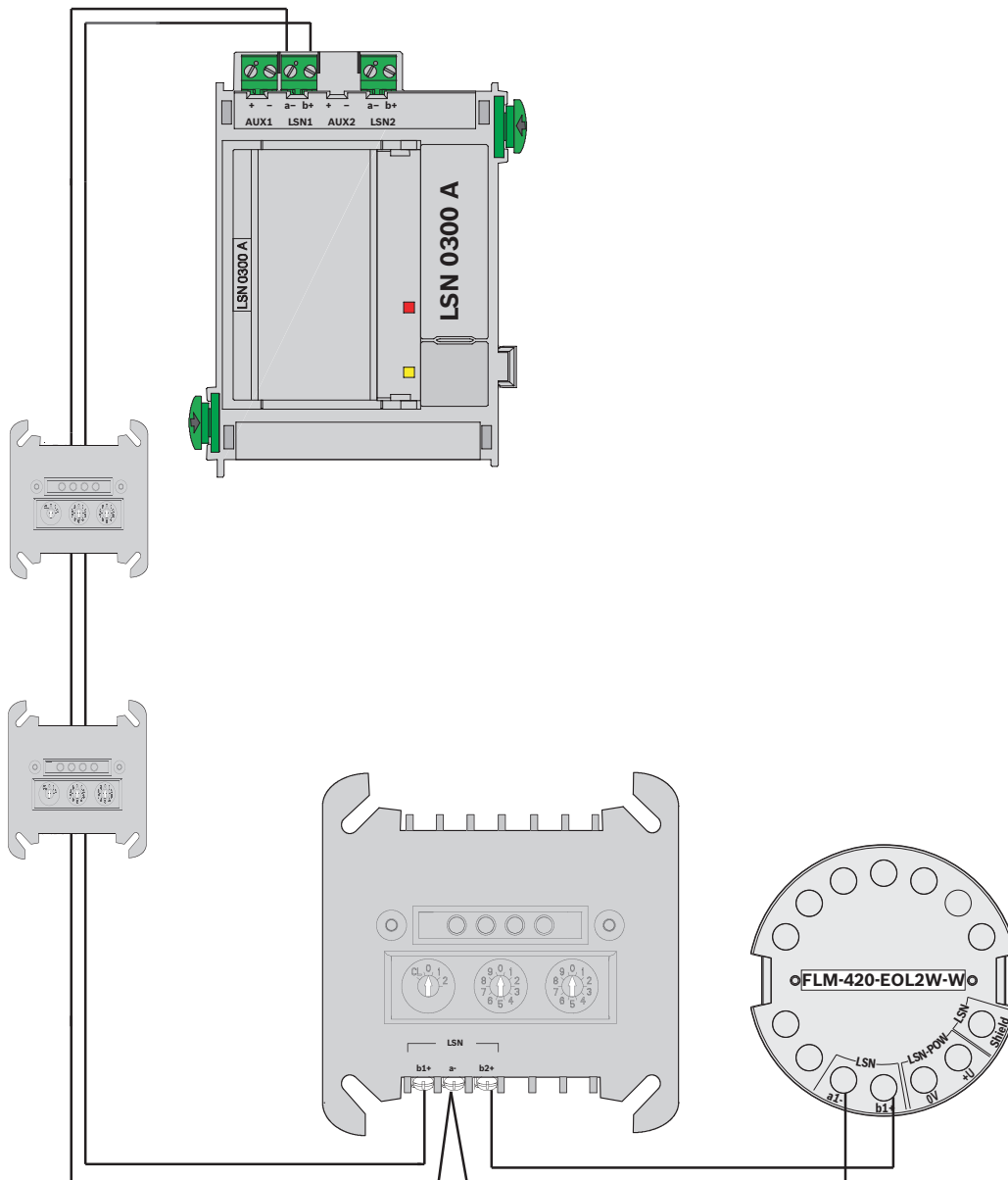


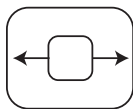


FLM-420-I2-D
FLM-420-O1I1-D
FLM-420-RHV-D/S
FLM-420-RLV1-D

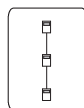


ELS VdS 2489

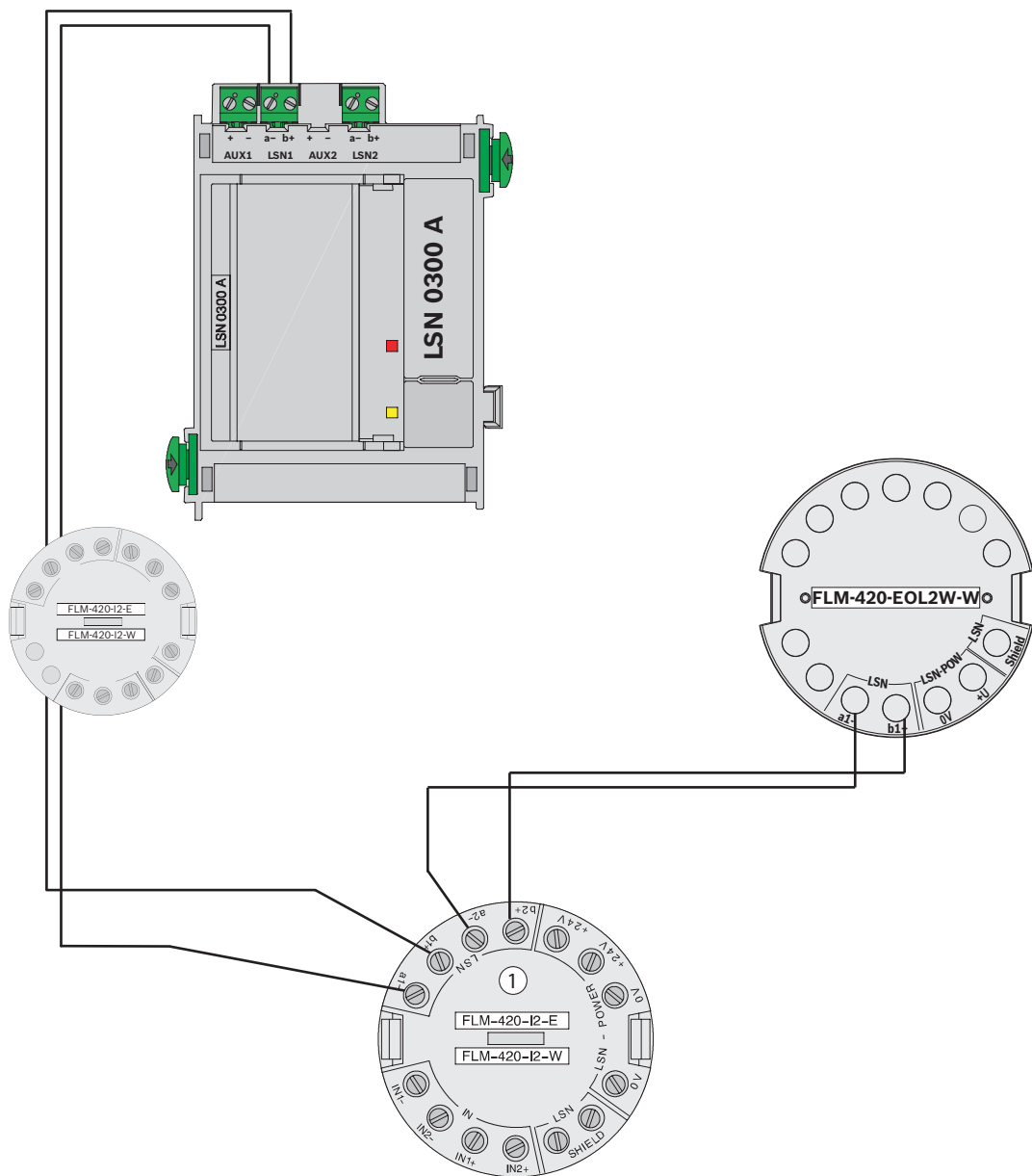


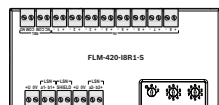
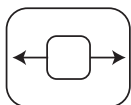


FLM-420-I2-E/W

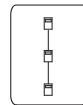


ELS VdS 2489

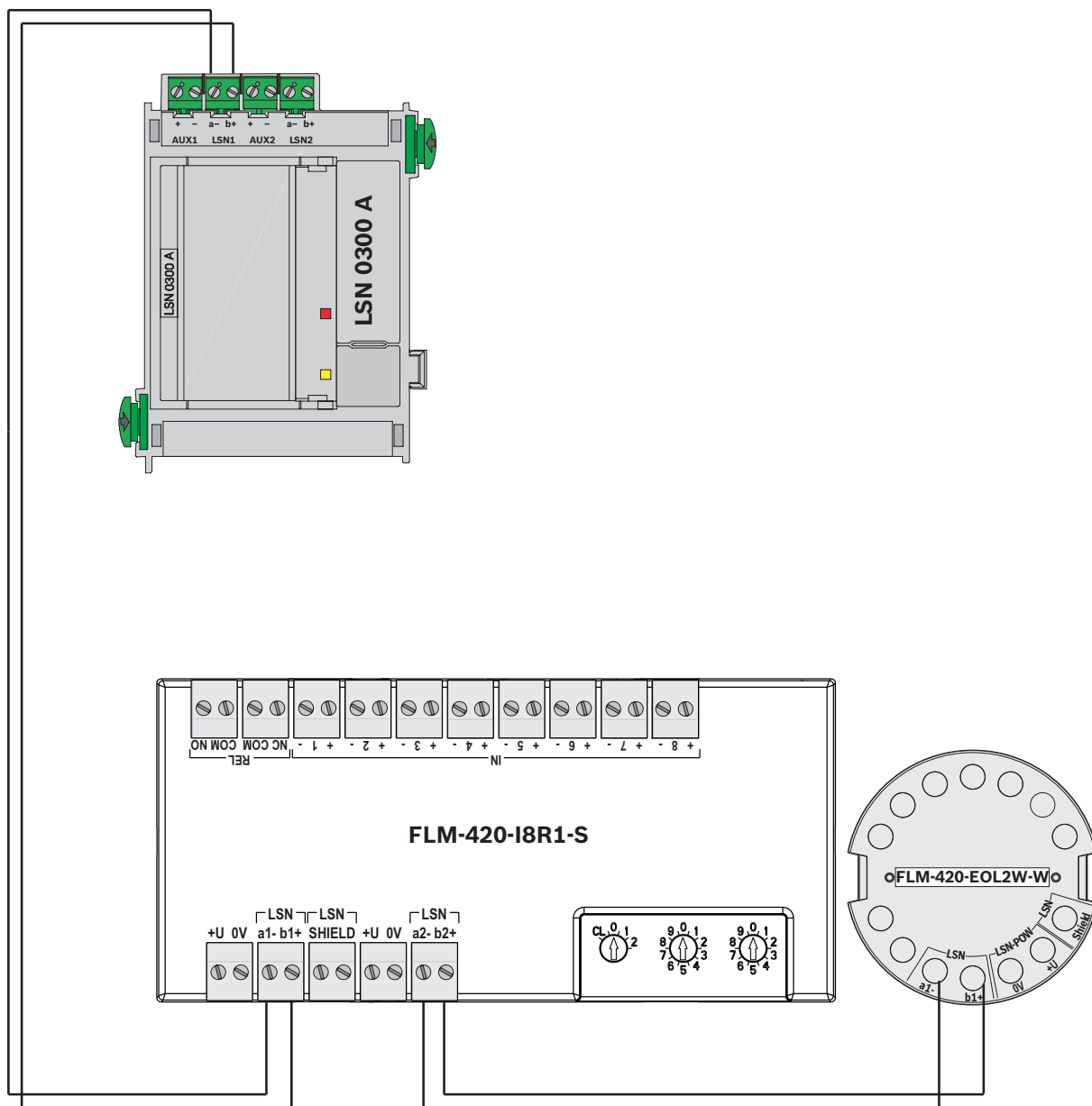


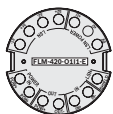
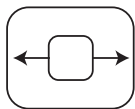


FLM-420-I8R1-S

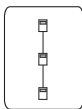


ELS VdS 2489

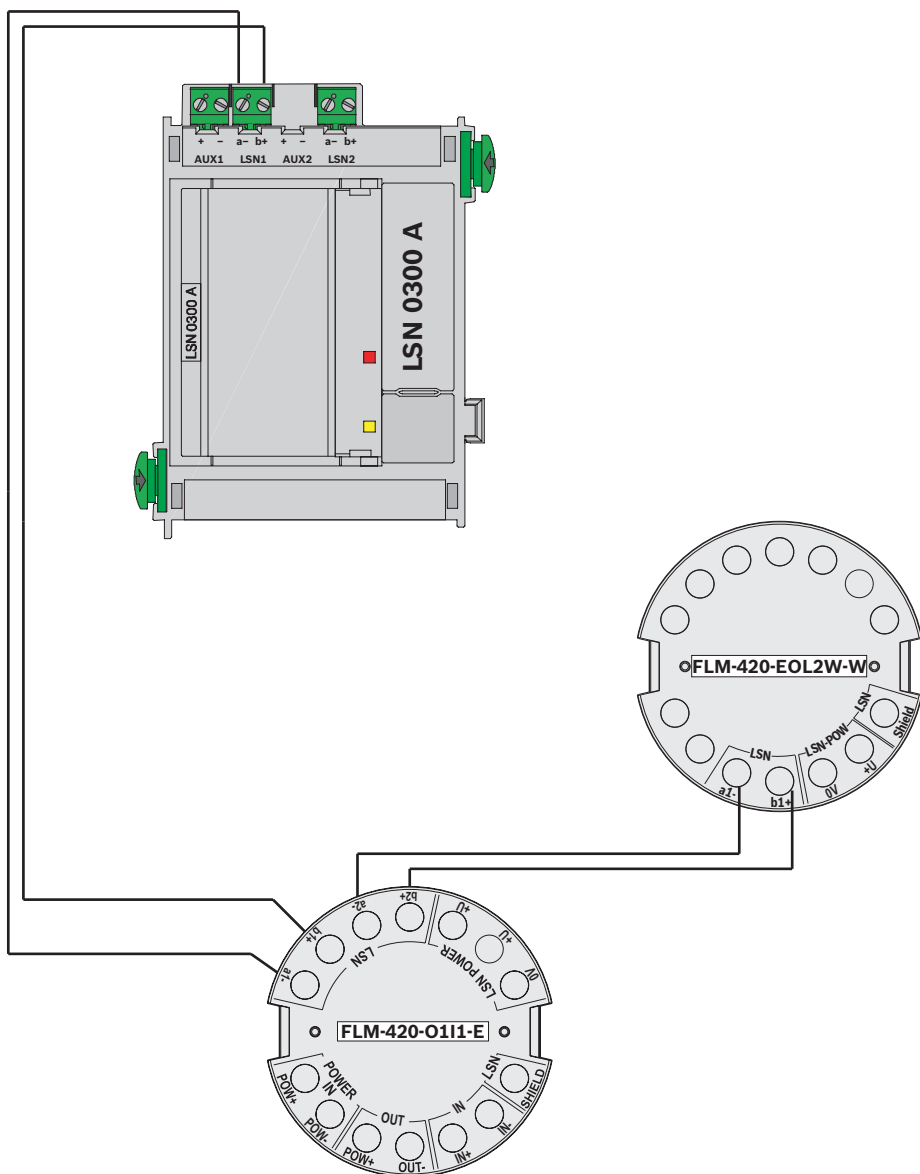


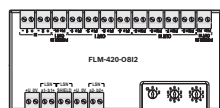
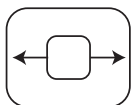


FLM-420-O111-E

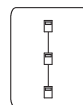


ELS VdS 2489

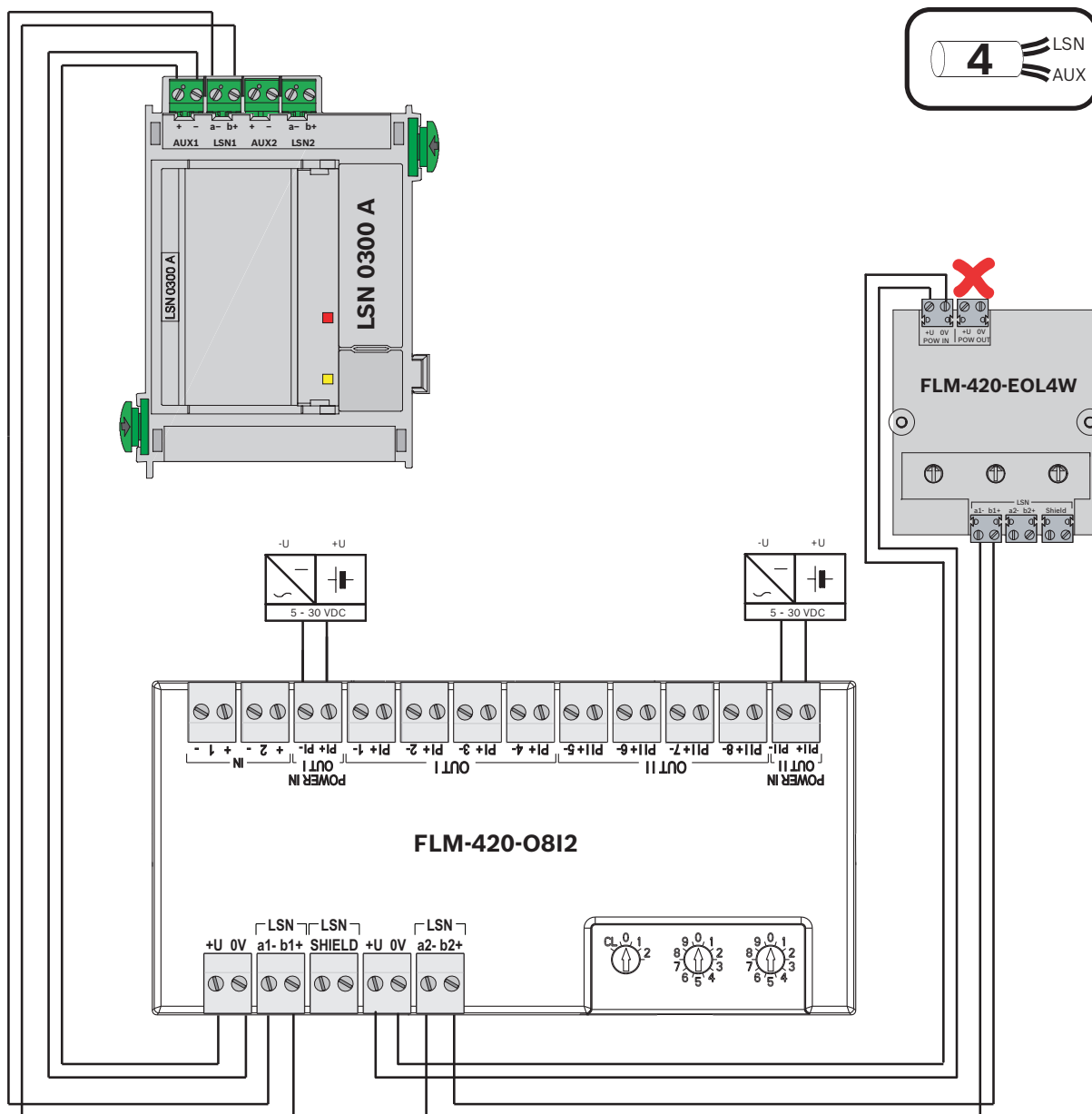


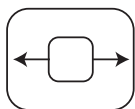


FLM-420-08I2-S

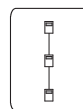


ELS VdS 2489

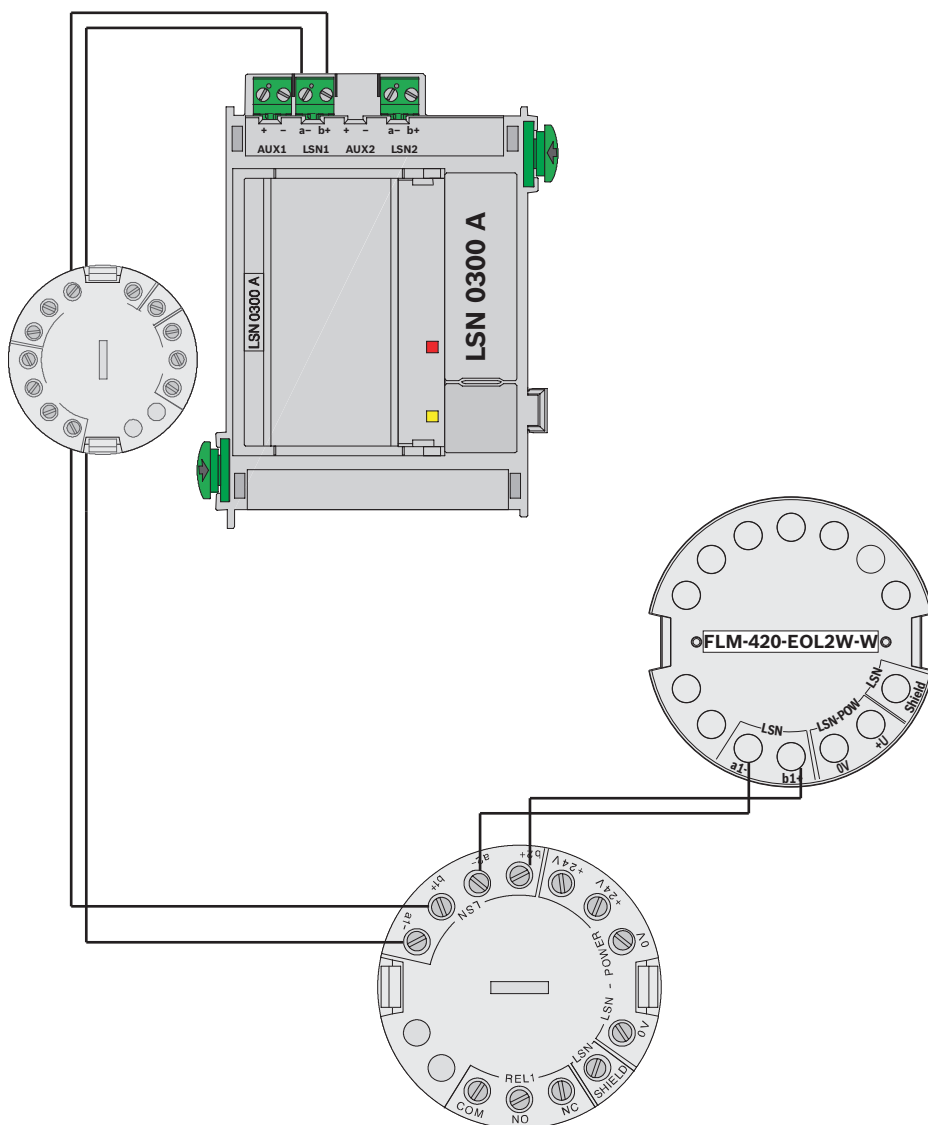


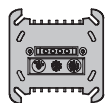
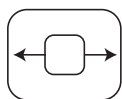


FLM-420-I2-E/-W
FLM-420-RLV1-E



ELS VdS 2489

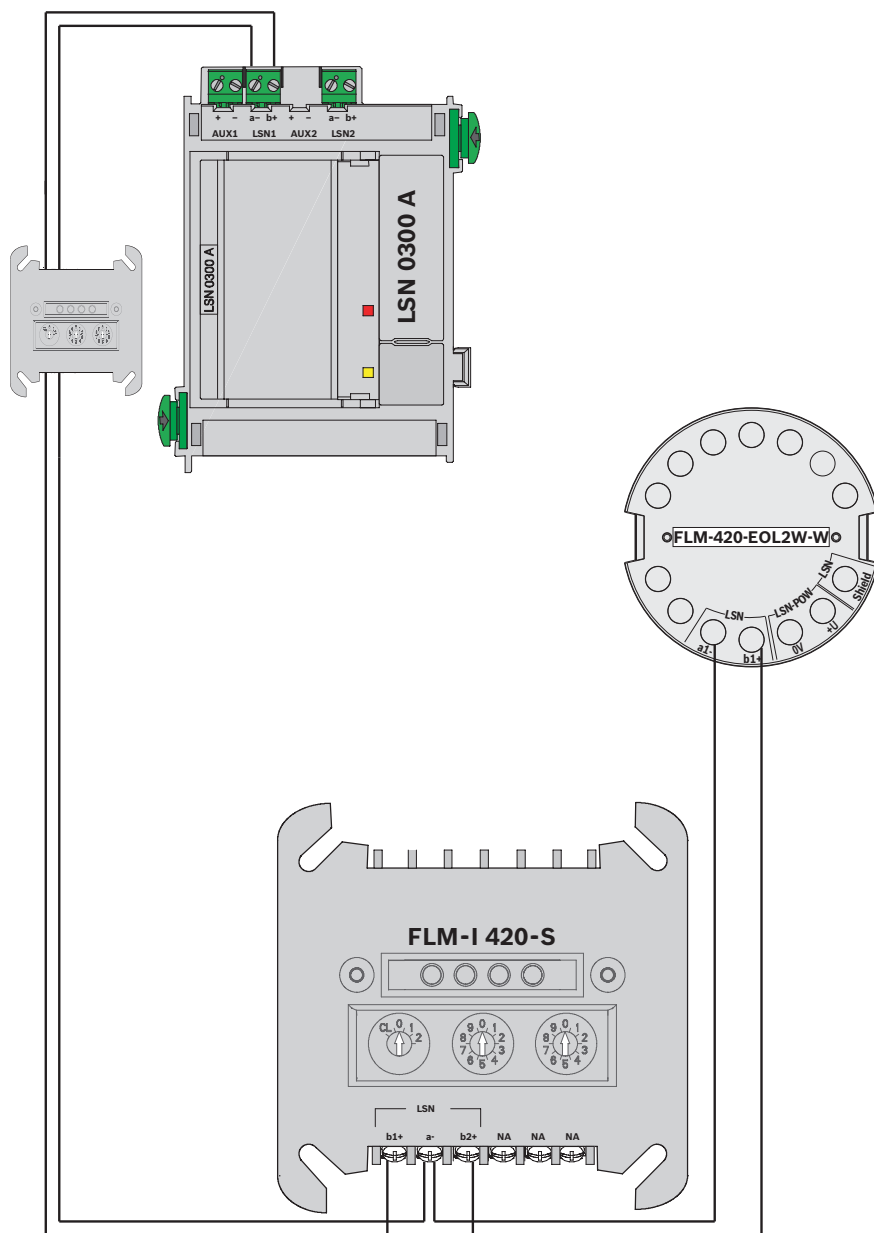


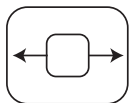


FLM-I 420-S

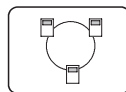


ELS VdS 2489

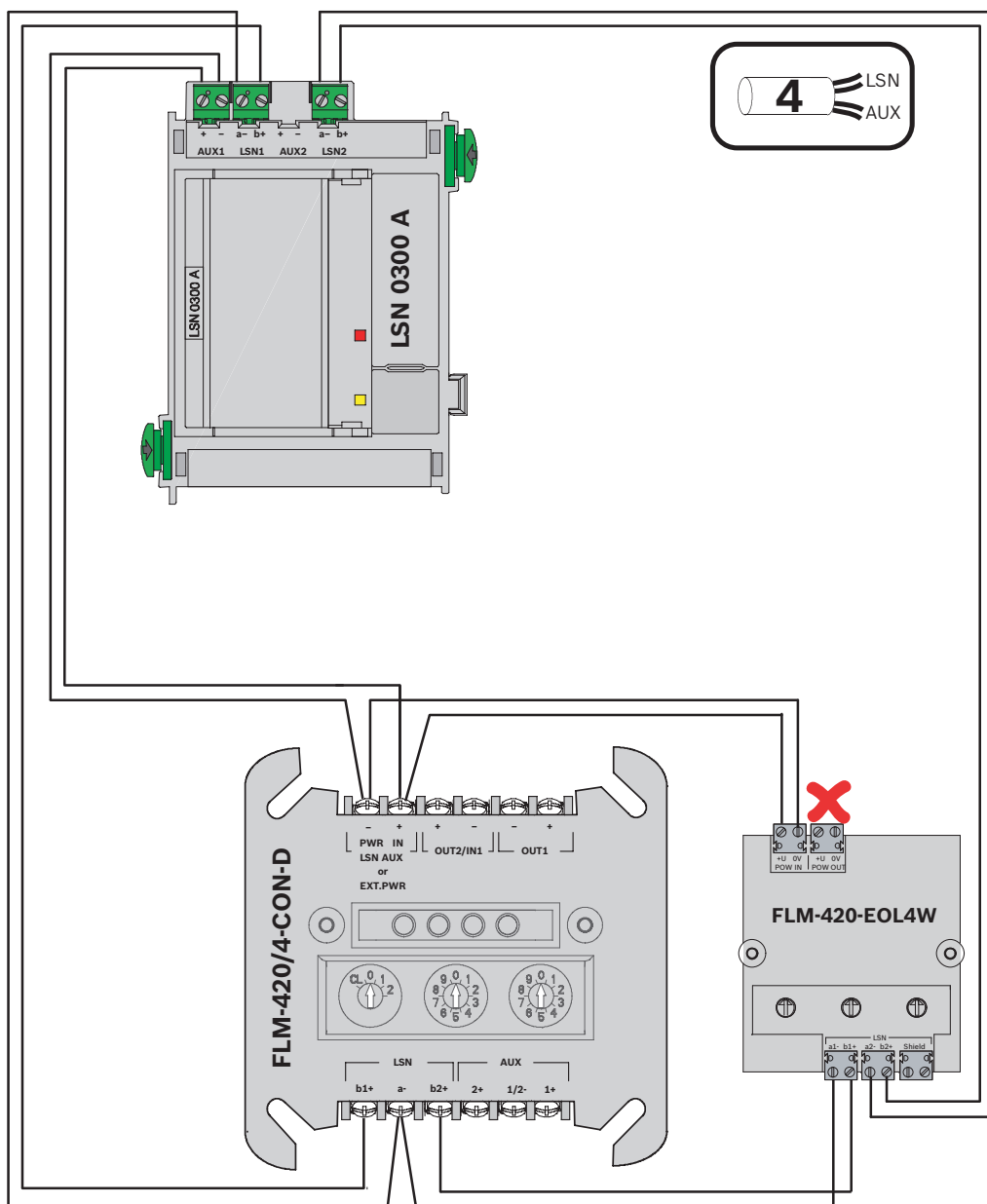


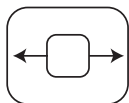
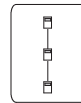
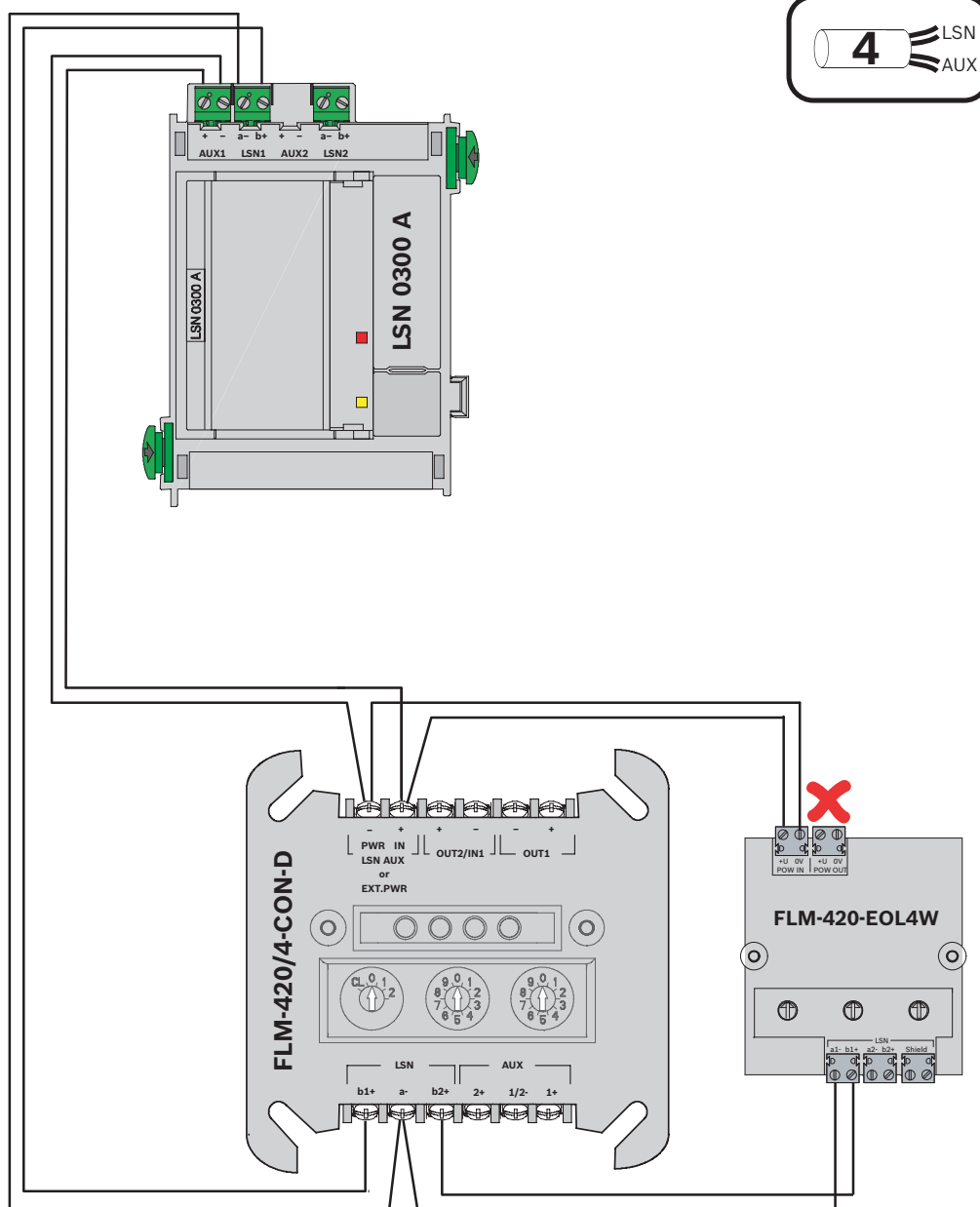


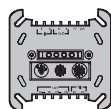
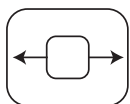
**FLM-420/
4-CON-D**



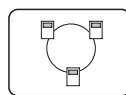
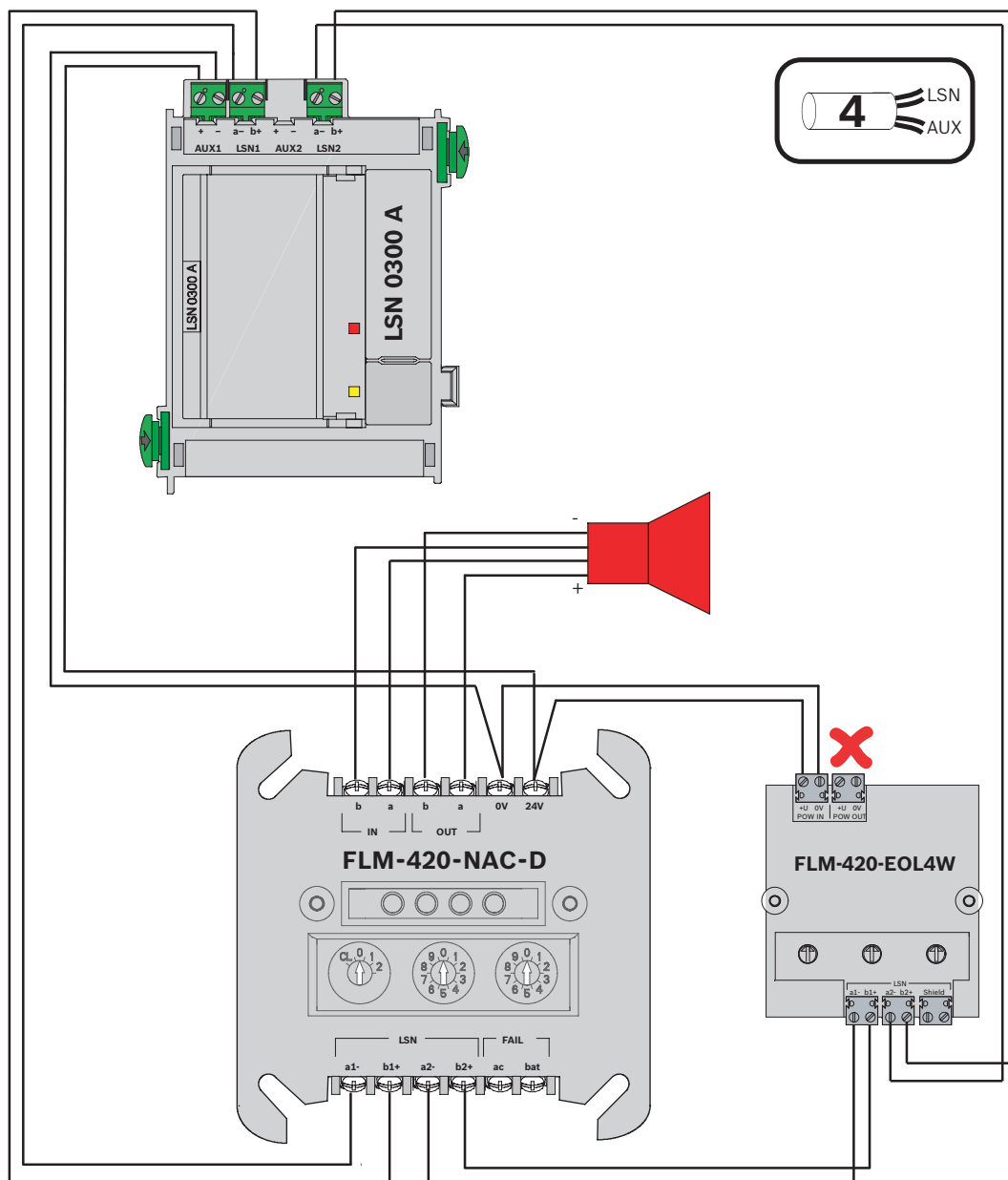
ELS VdS 2489

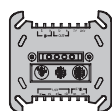
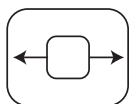
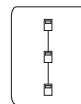
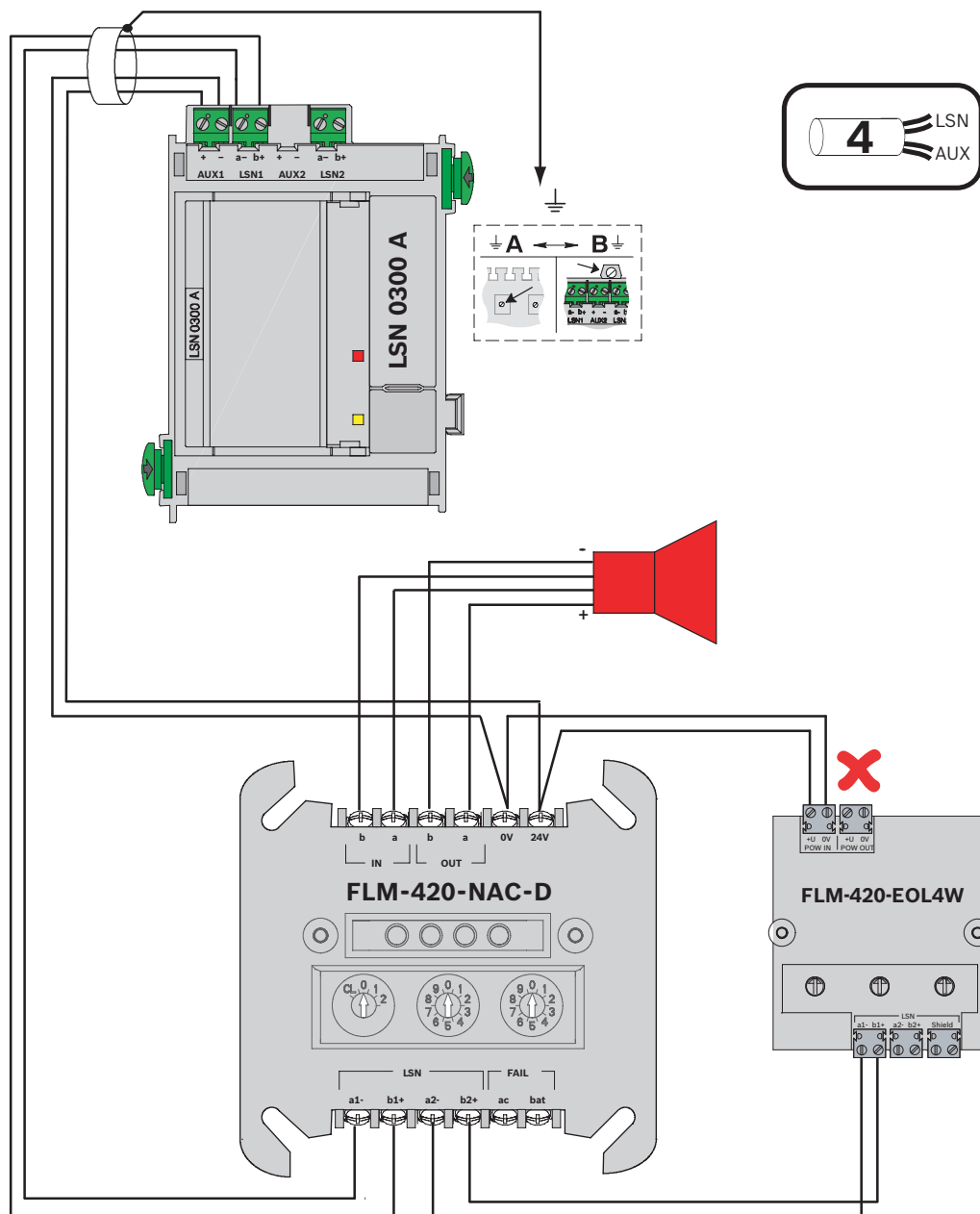


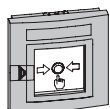
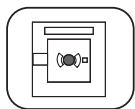
**FLM-420/
4-CON-D****ELS VdS 2489**



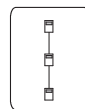
FLM-420-NAC-D/S

ELS VdS 2489
EN 54-2

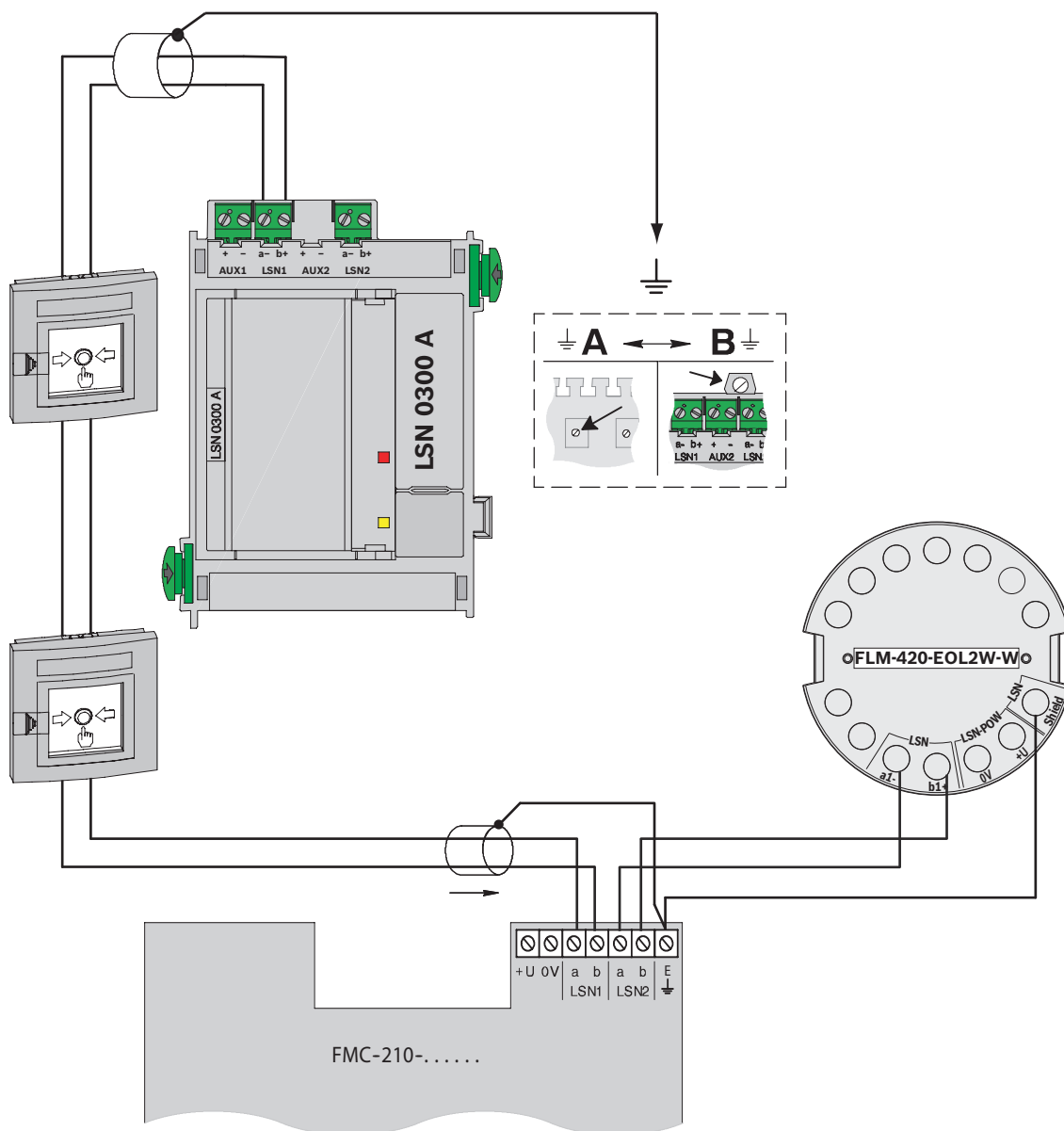
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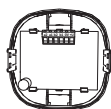


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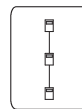


ELS VdS 2489

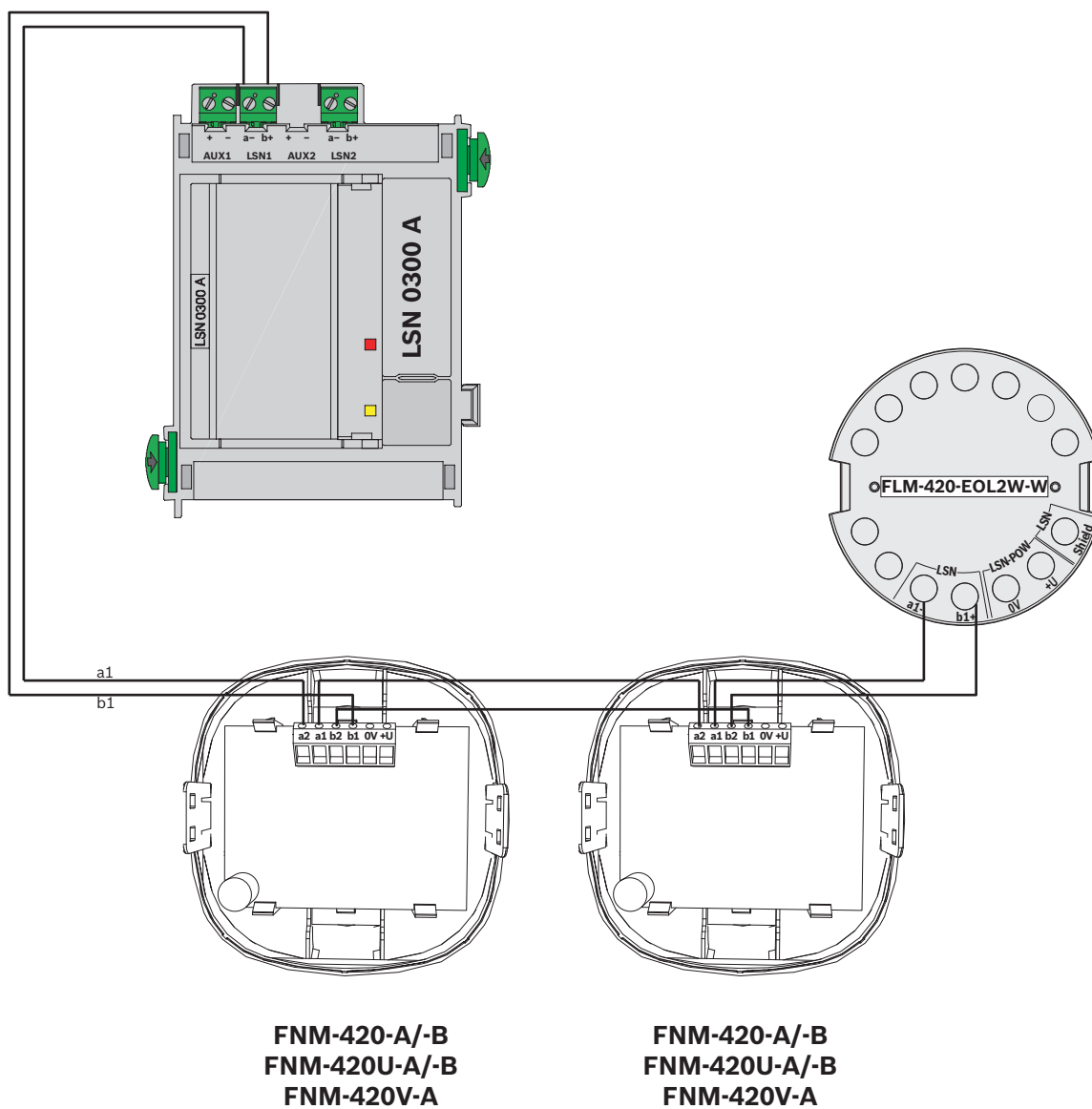




FNM-420-A /-B
FNM-420U-A /-B
FNM-420V-A



ELS VdS 2489

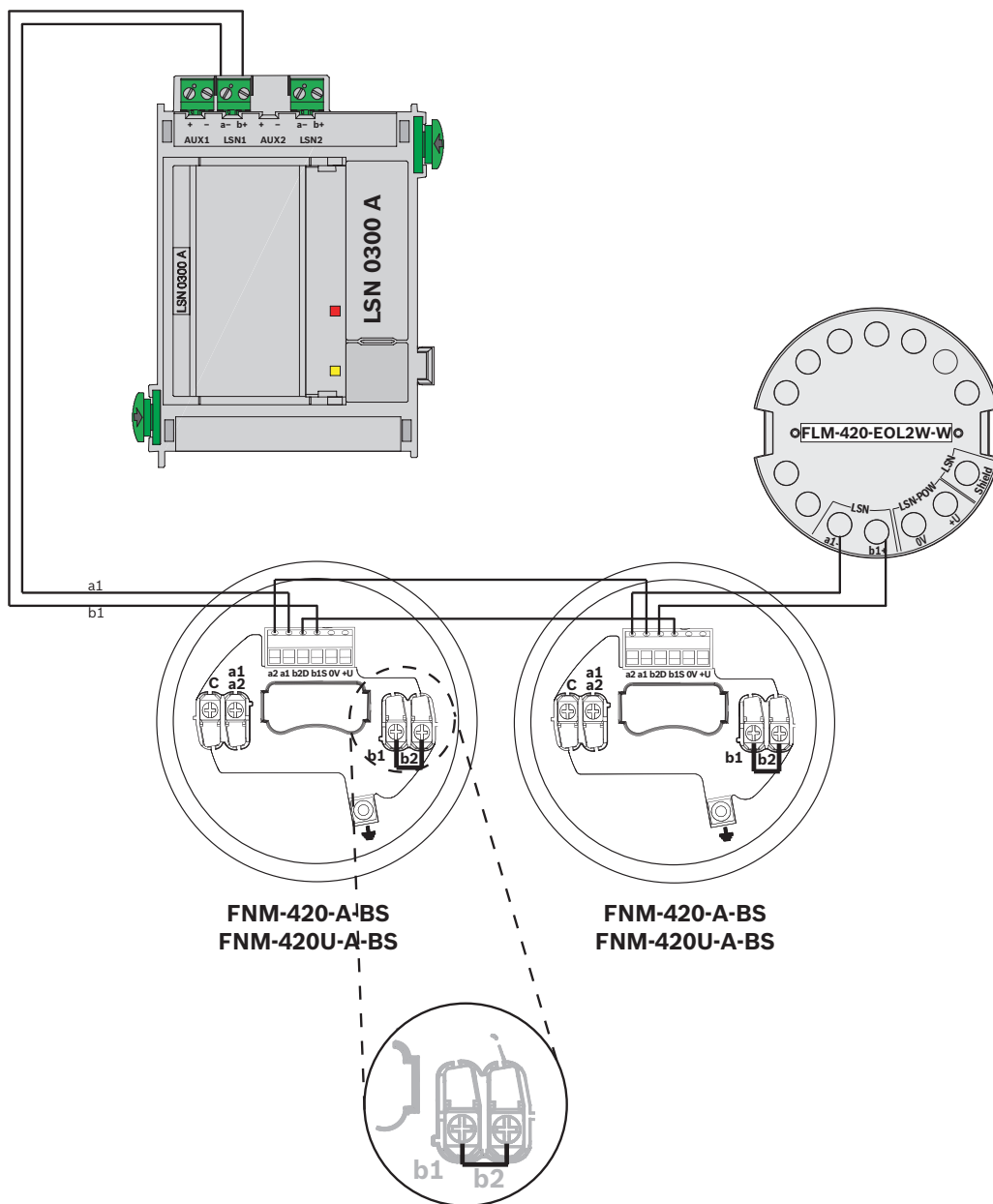




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FNM-420U-A-BS



ELS VdS 2489

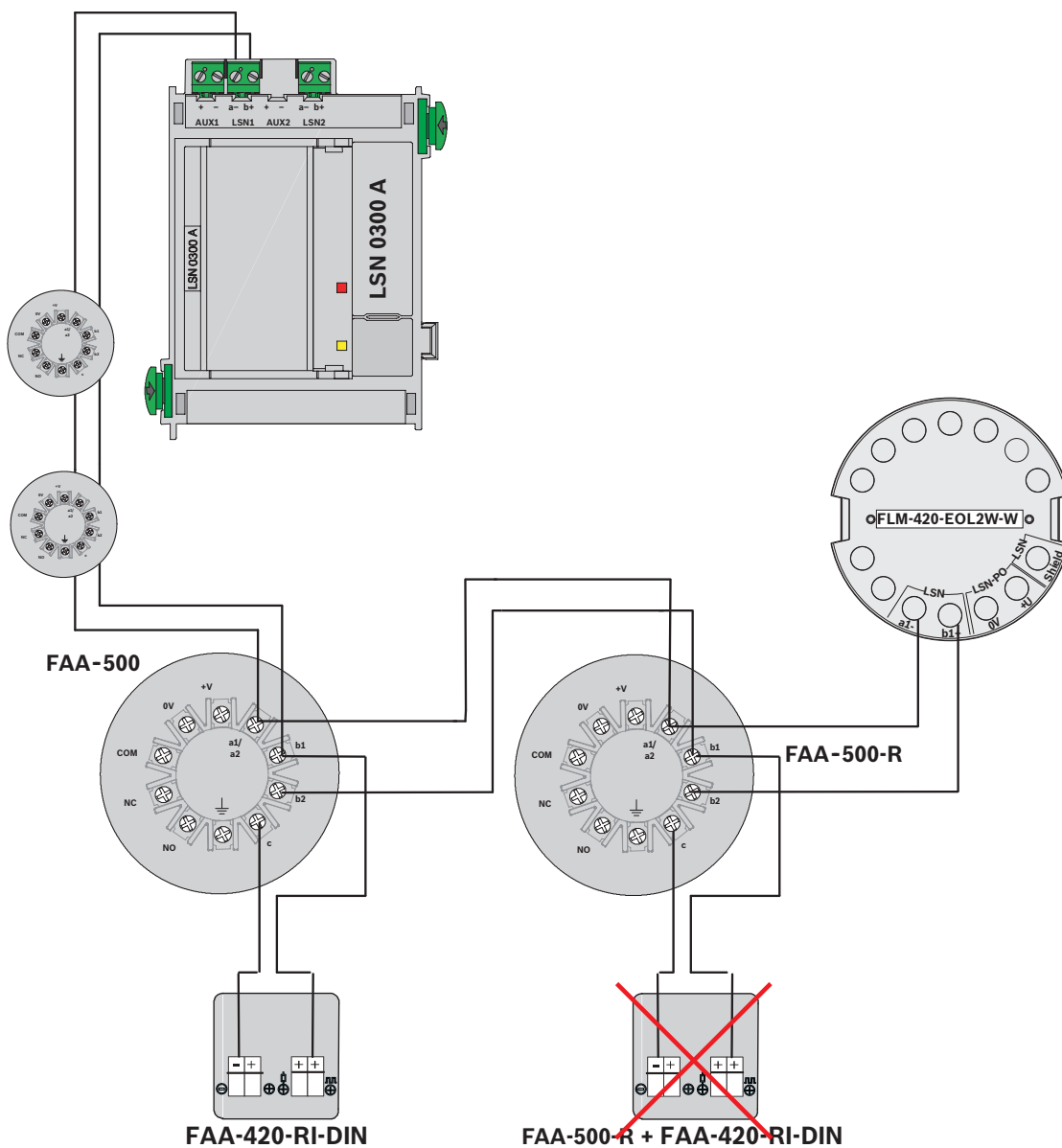




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FAP-0520-P
FAP-OC520
FAP-OC-520-P

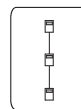


ELS VdS 2489

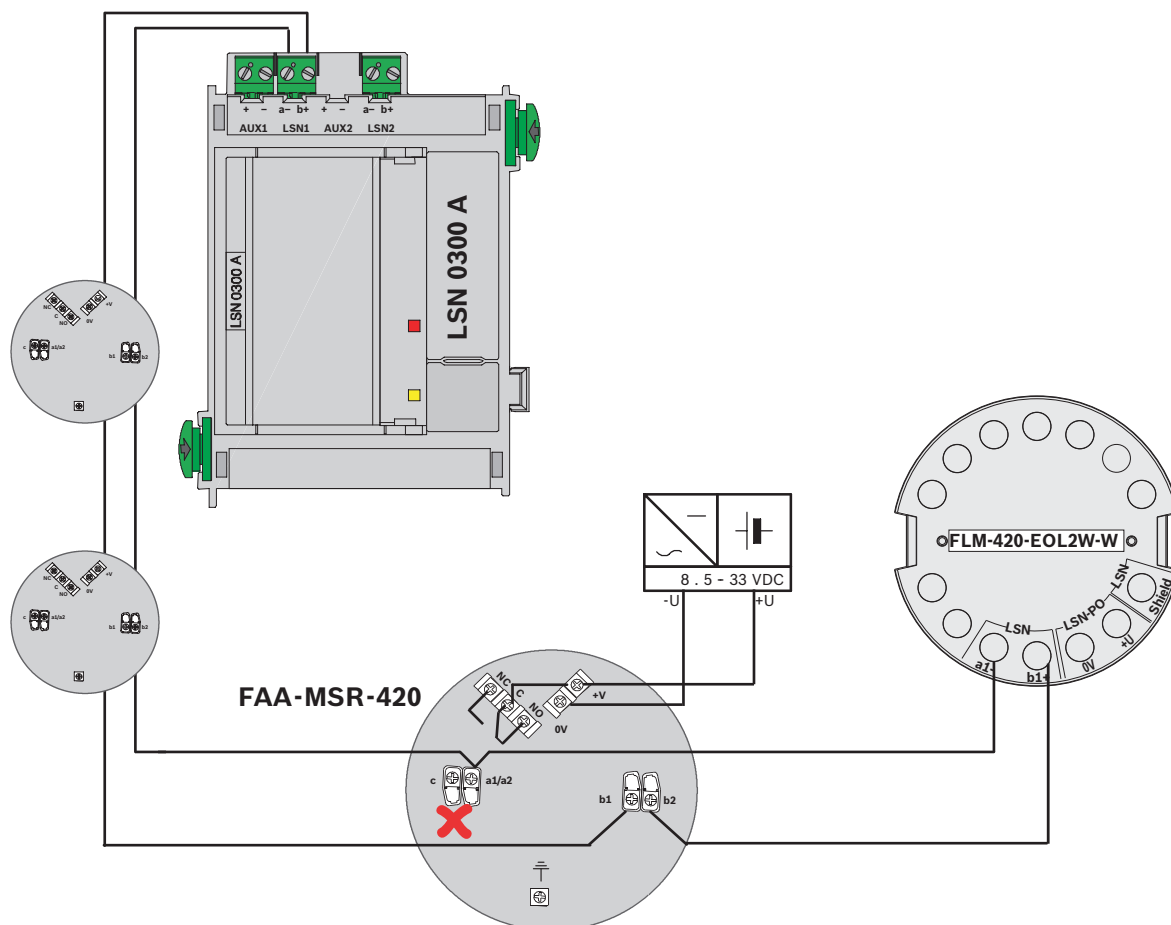




FAP-425-O/-O-R
FAP-425-OT/-OT-R
FAP-425-T-R
FAP-425-DO-R/DOT-R/-DOTC-R



ELS VdS 2489

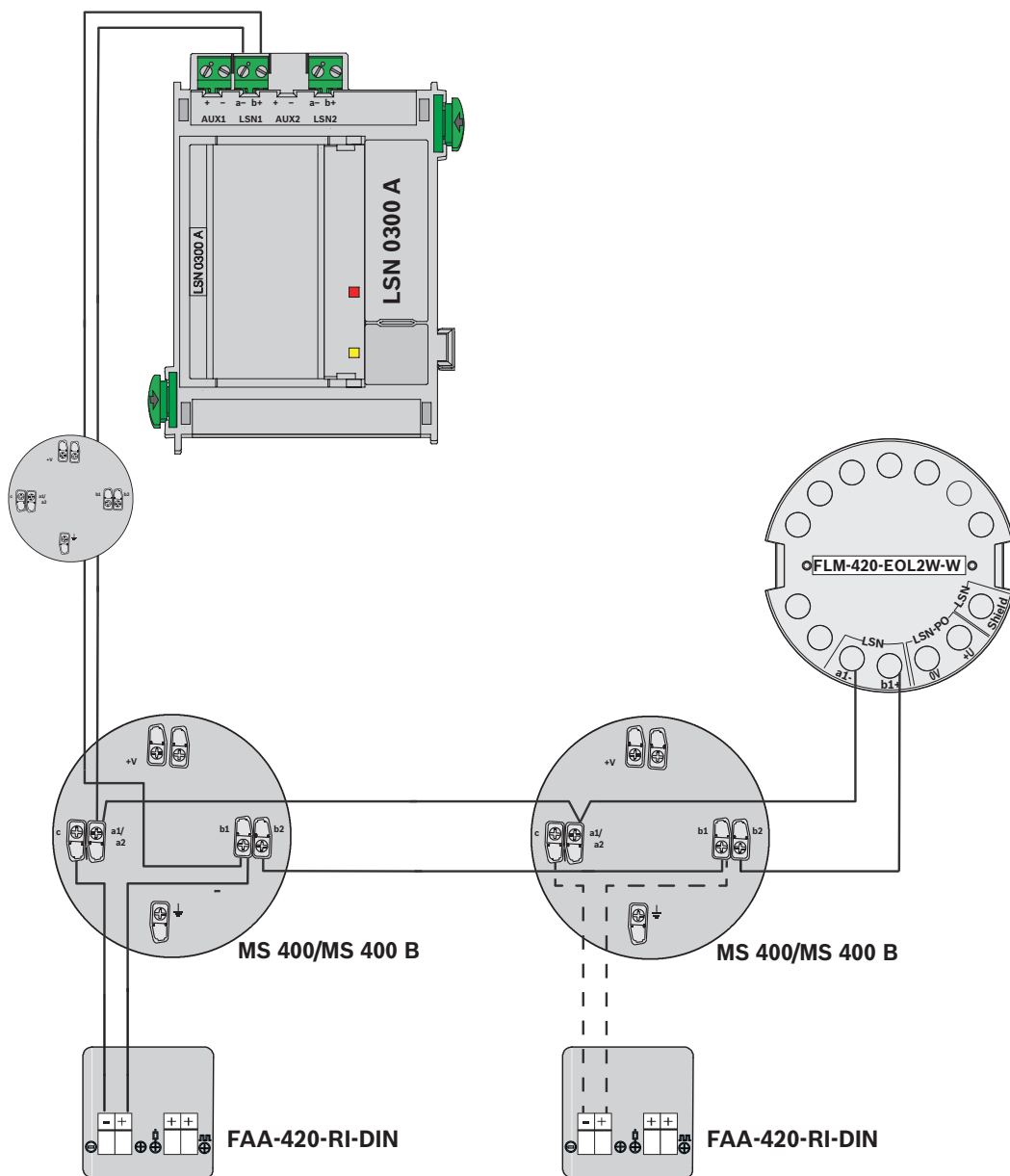


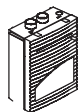


FAP-425-O/-O-R/-OT/-OT-R/-T-R
 FAP-425-DO-R/-DOT-R/-DOTC-R
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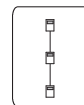


ELS VdS 2489



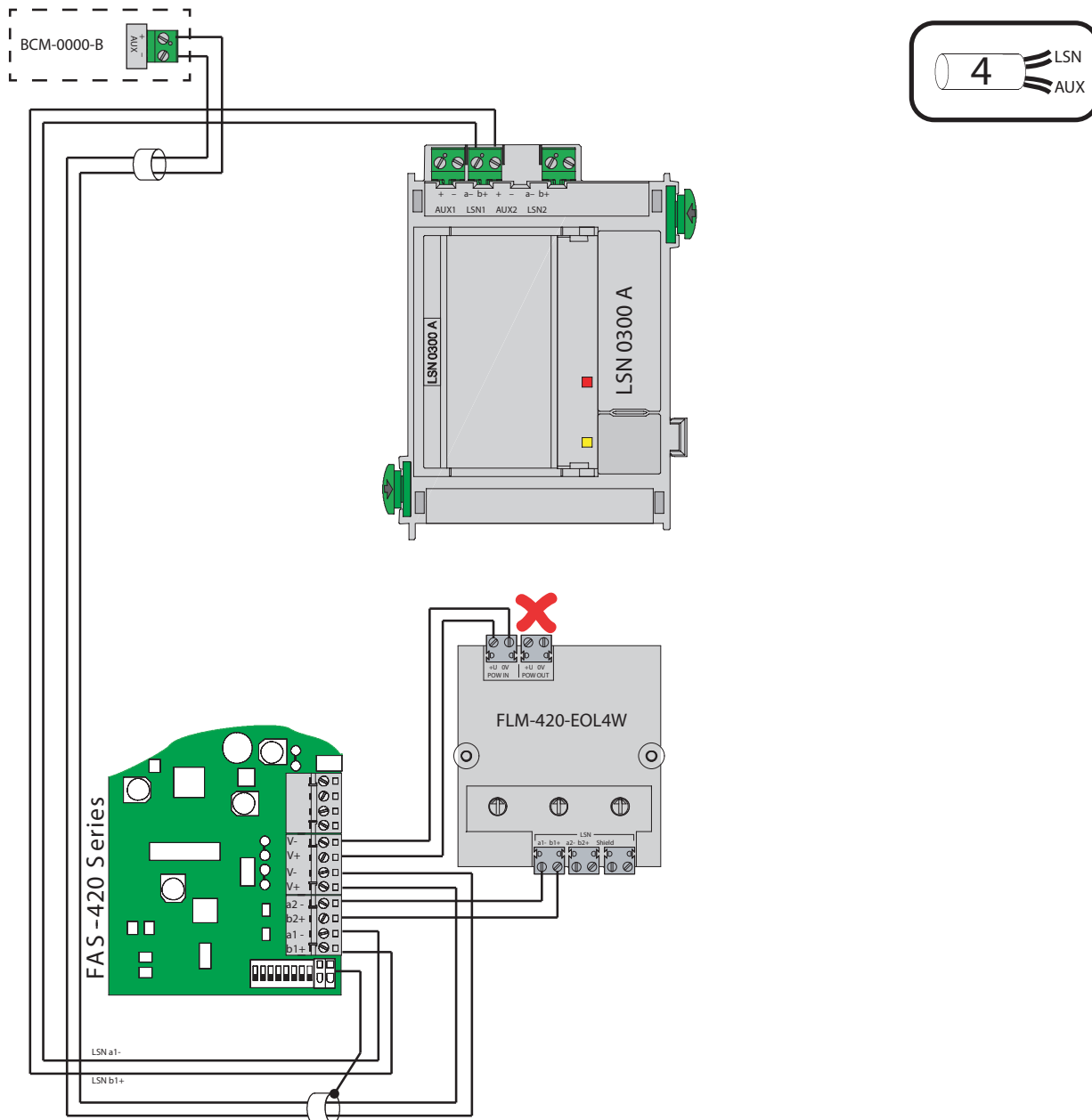


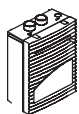
FAS-420 Series



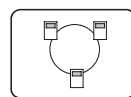
ELS

VdS 2489



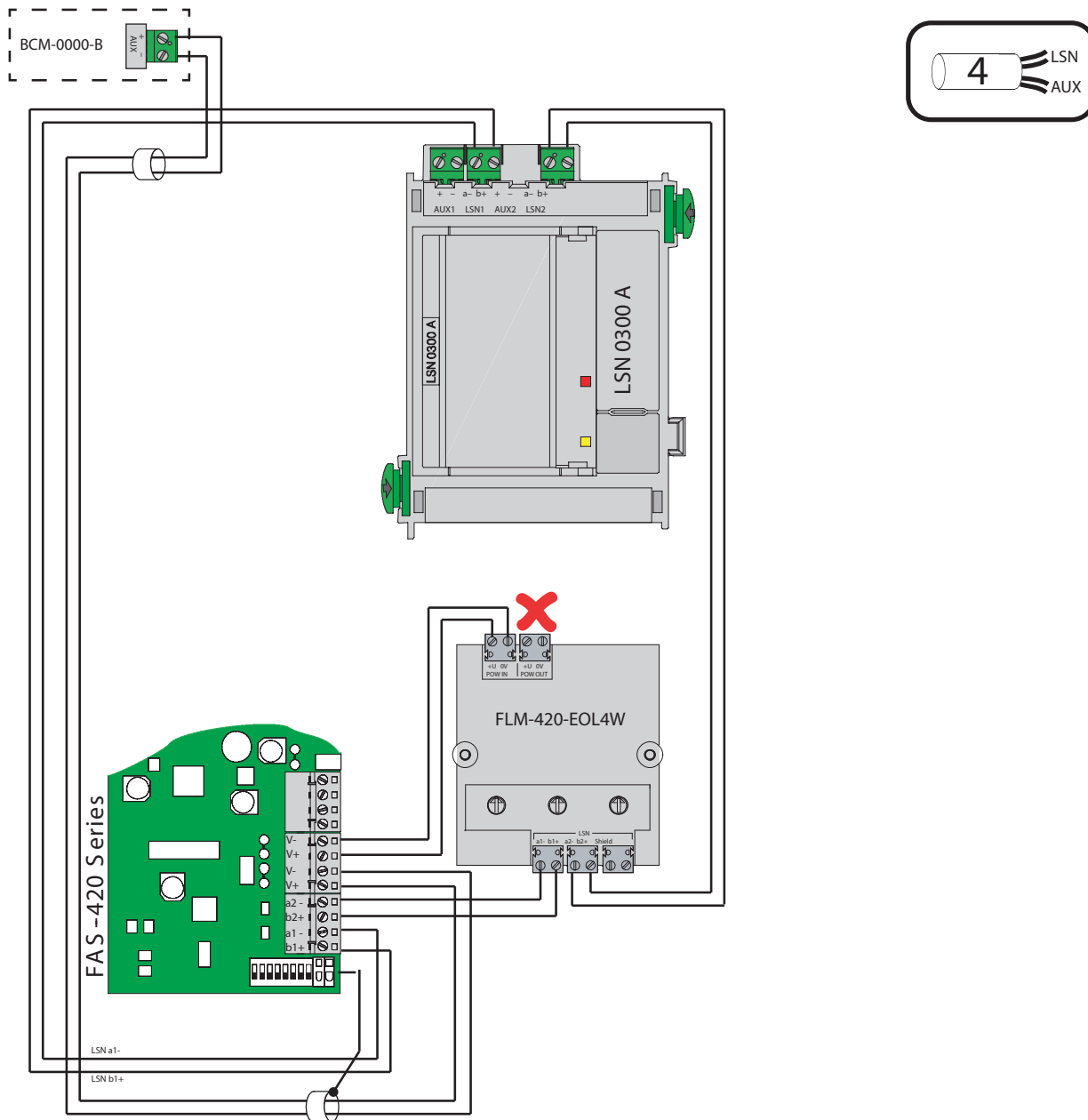


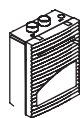
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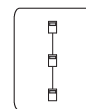
ELS

VdS 2489

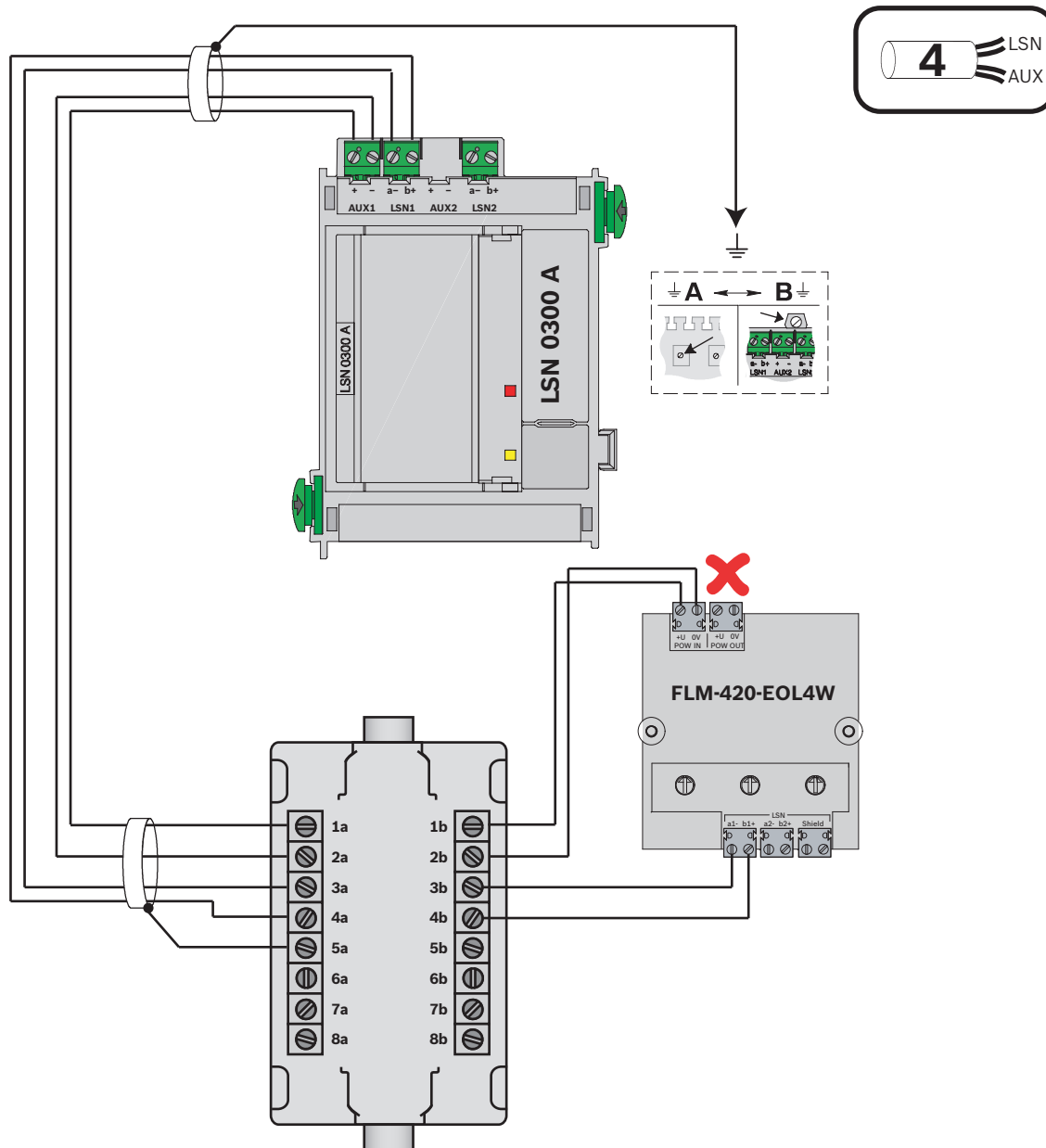


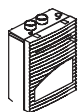


FAS-420-TM Series

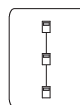


ELS VdS 2489

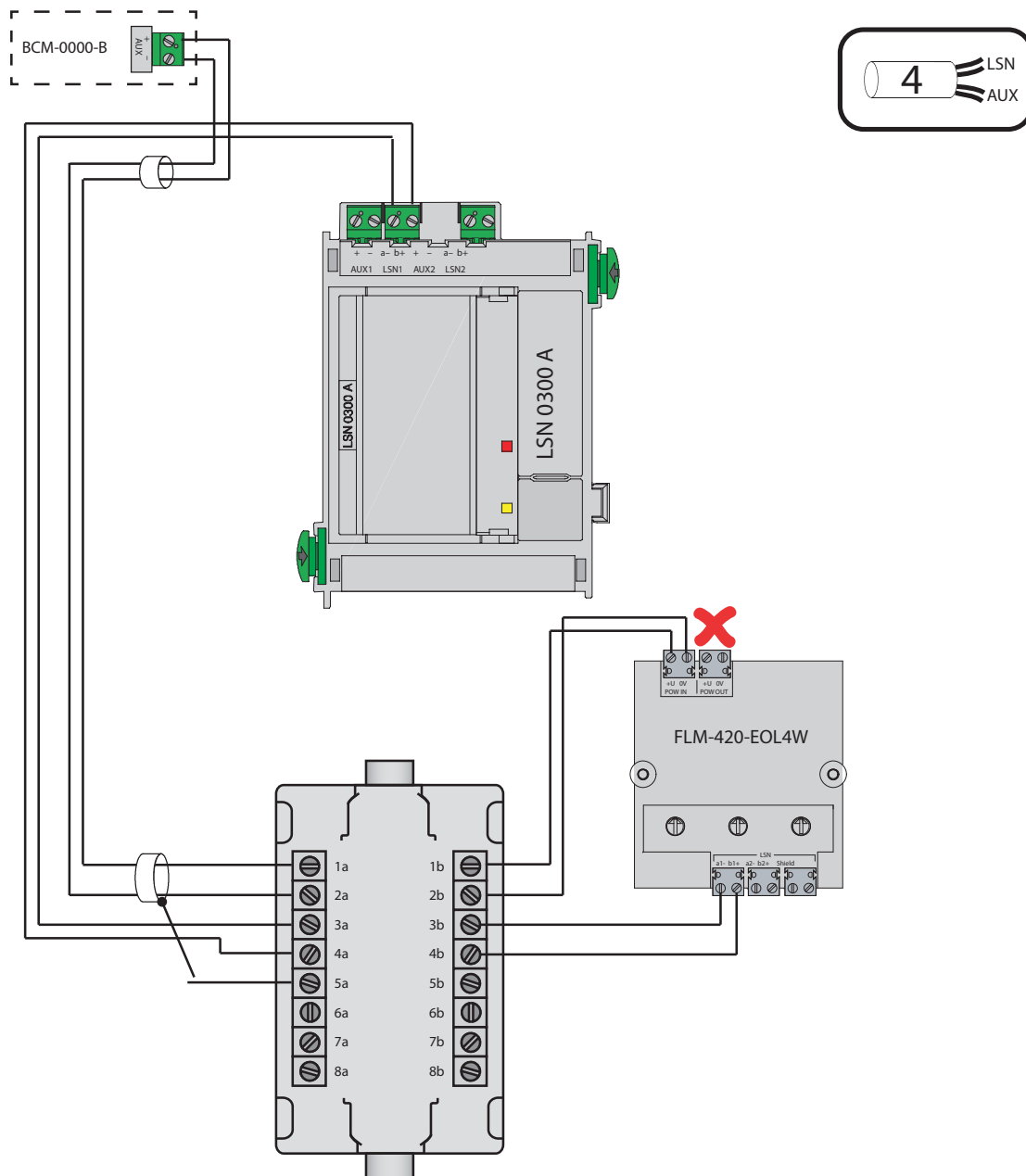


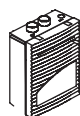


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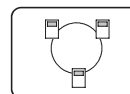


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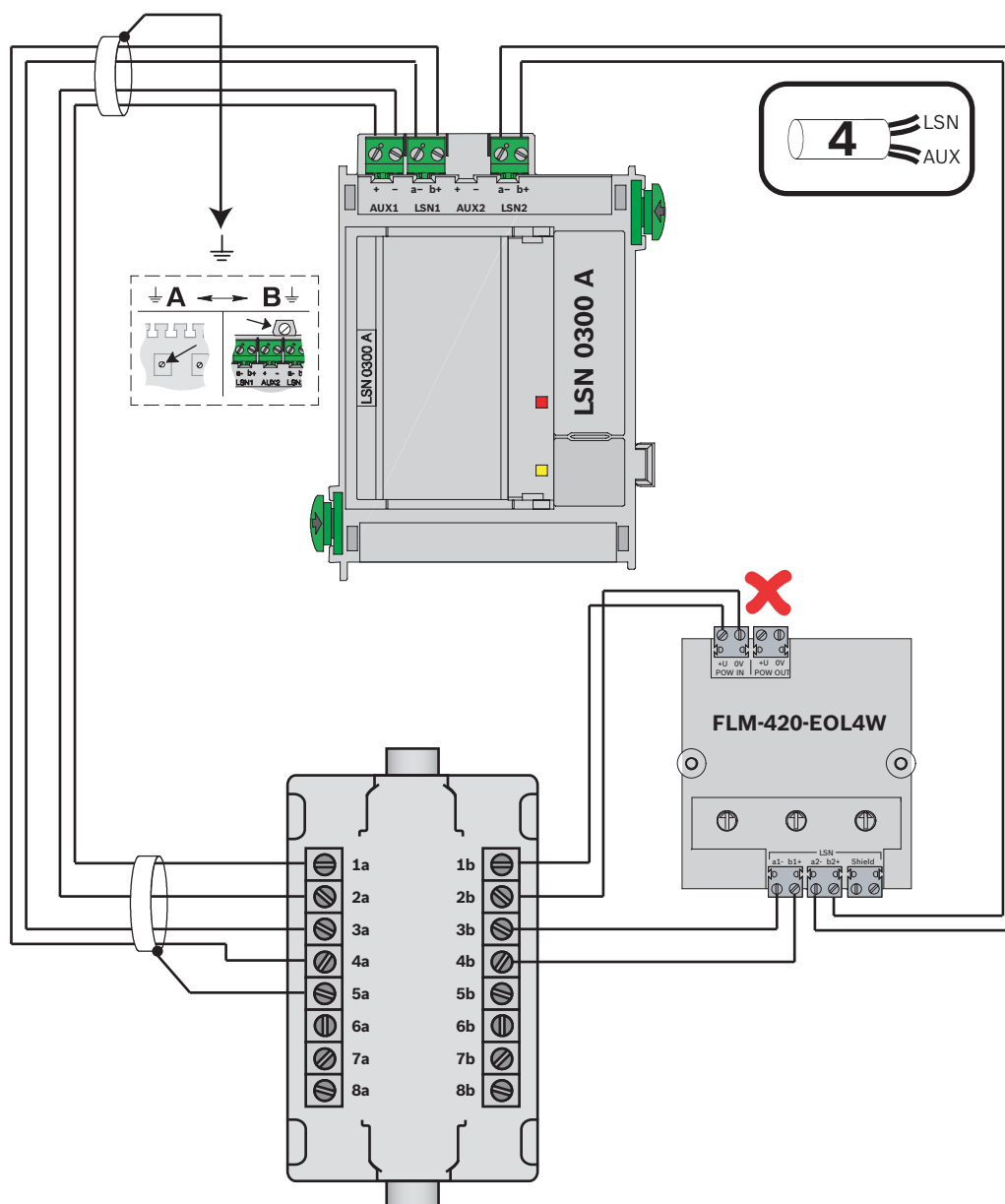


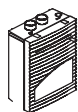


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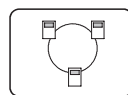


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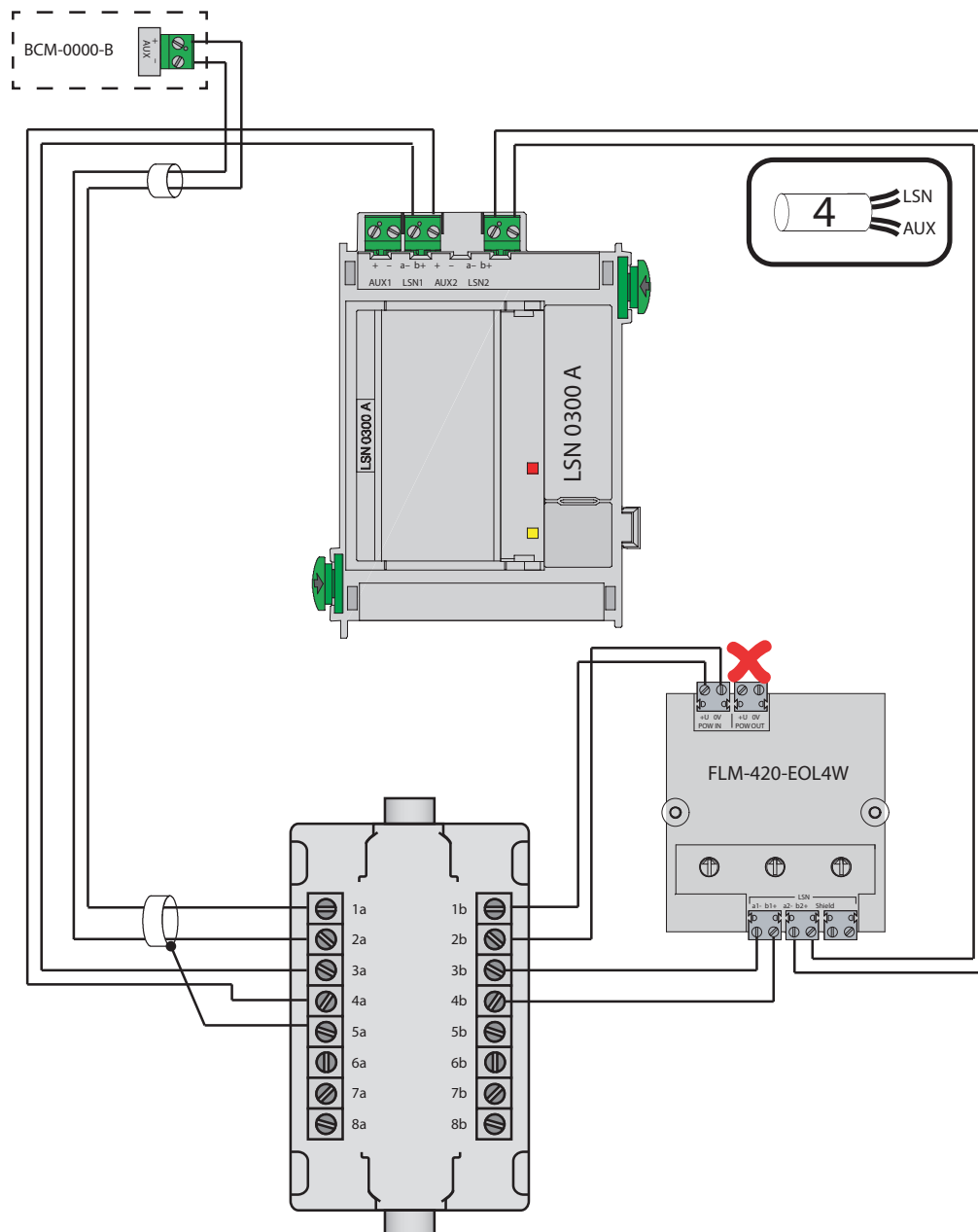


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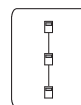
ELS

VdS 2489

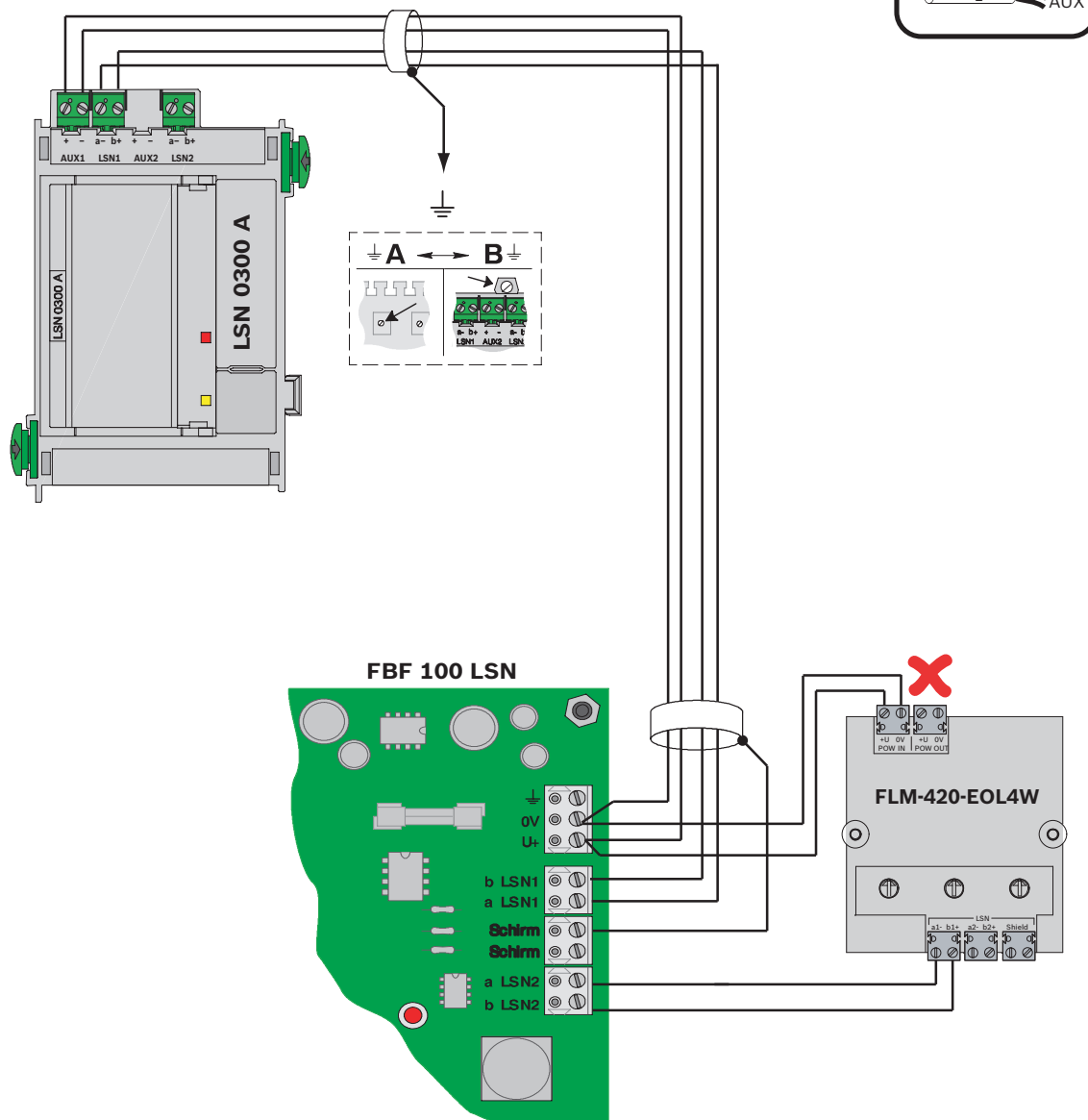




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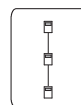


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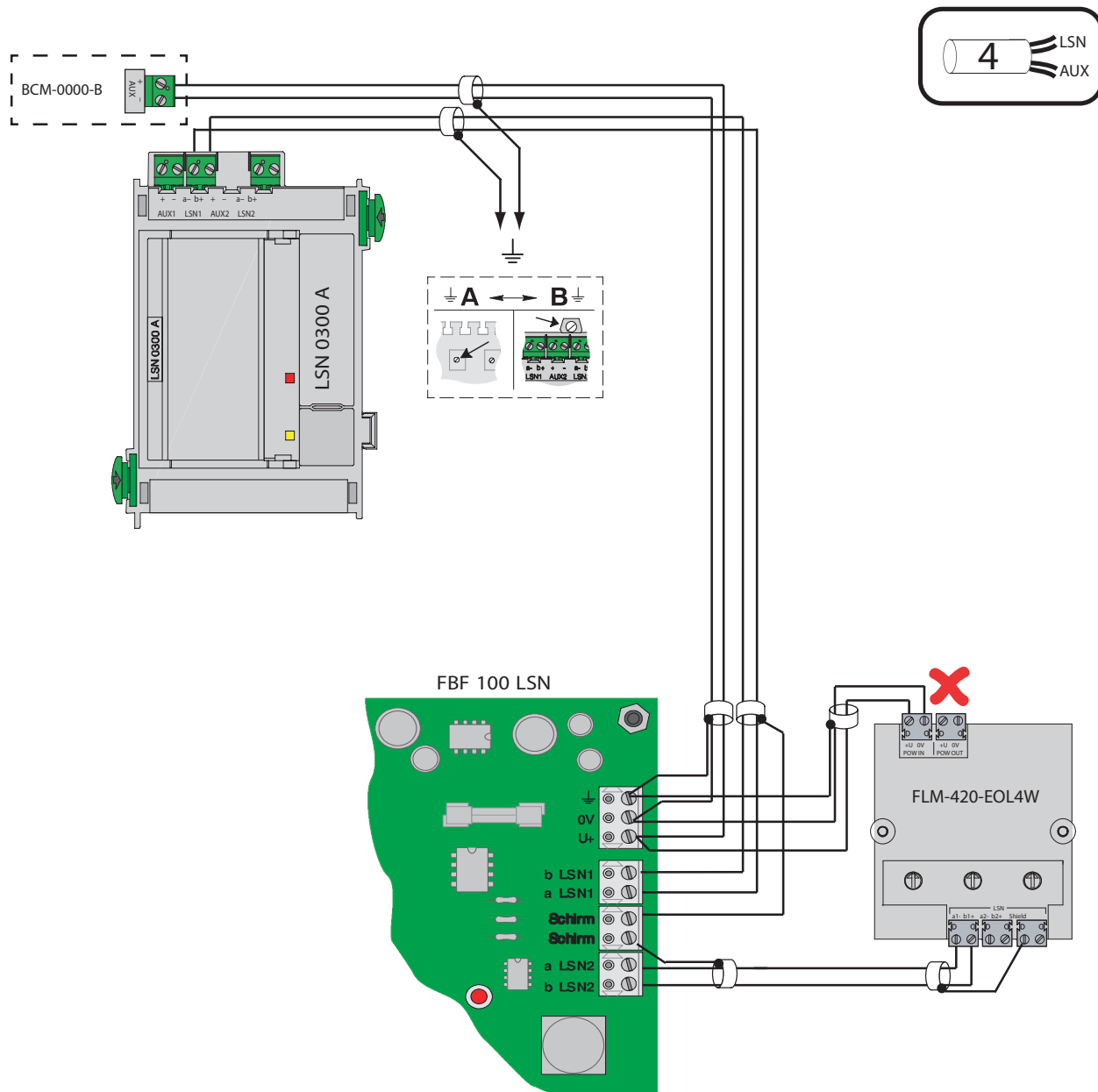




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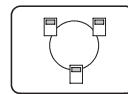


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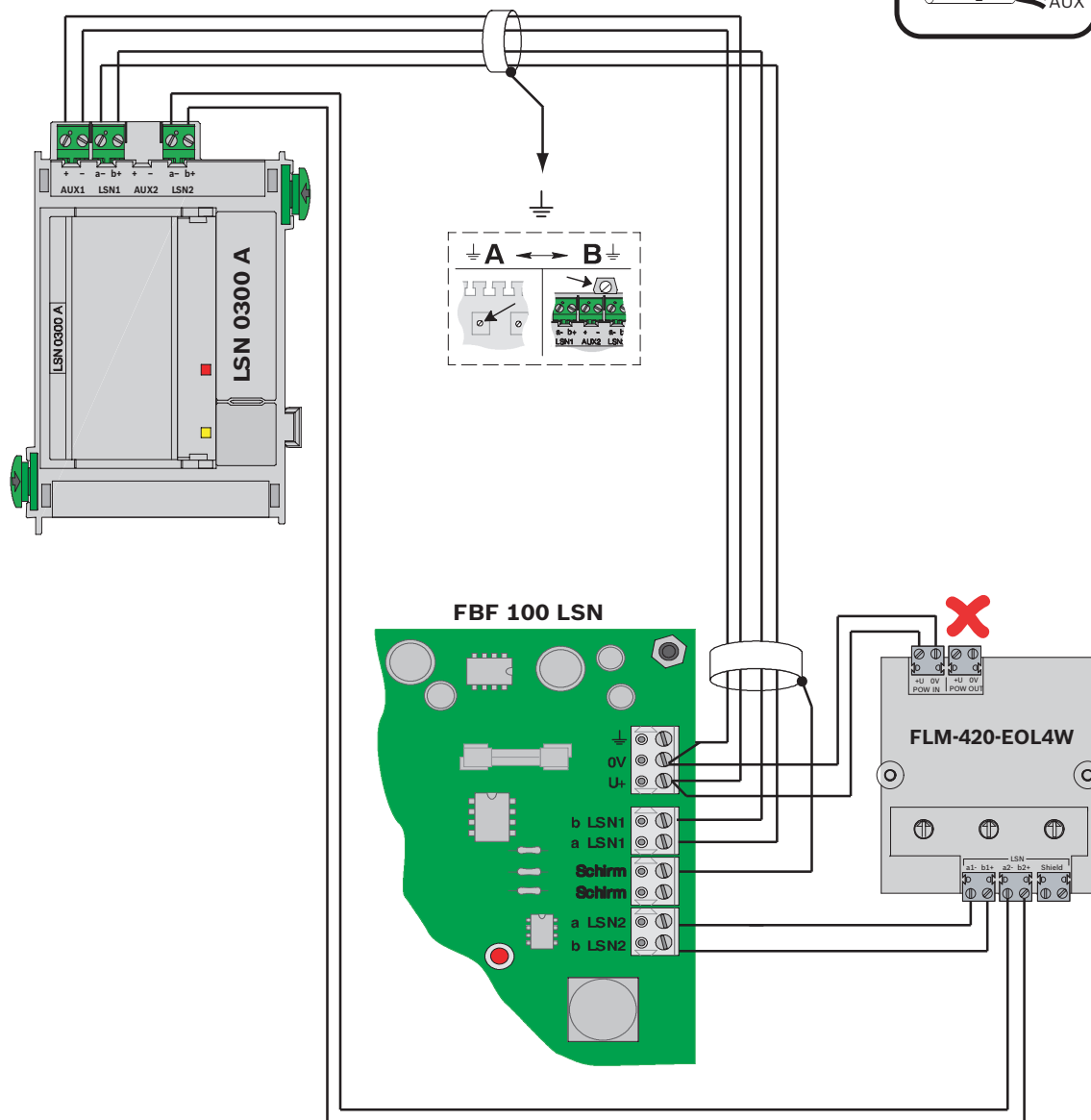


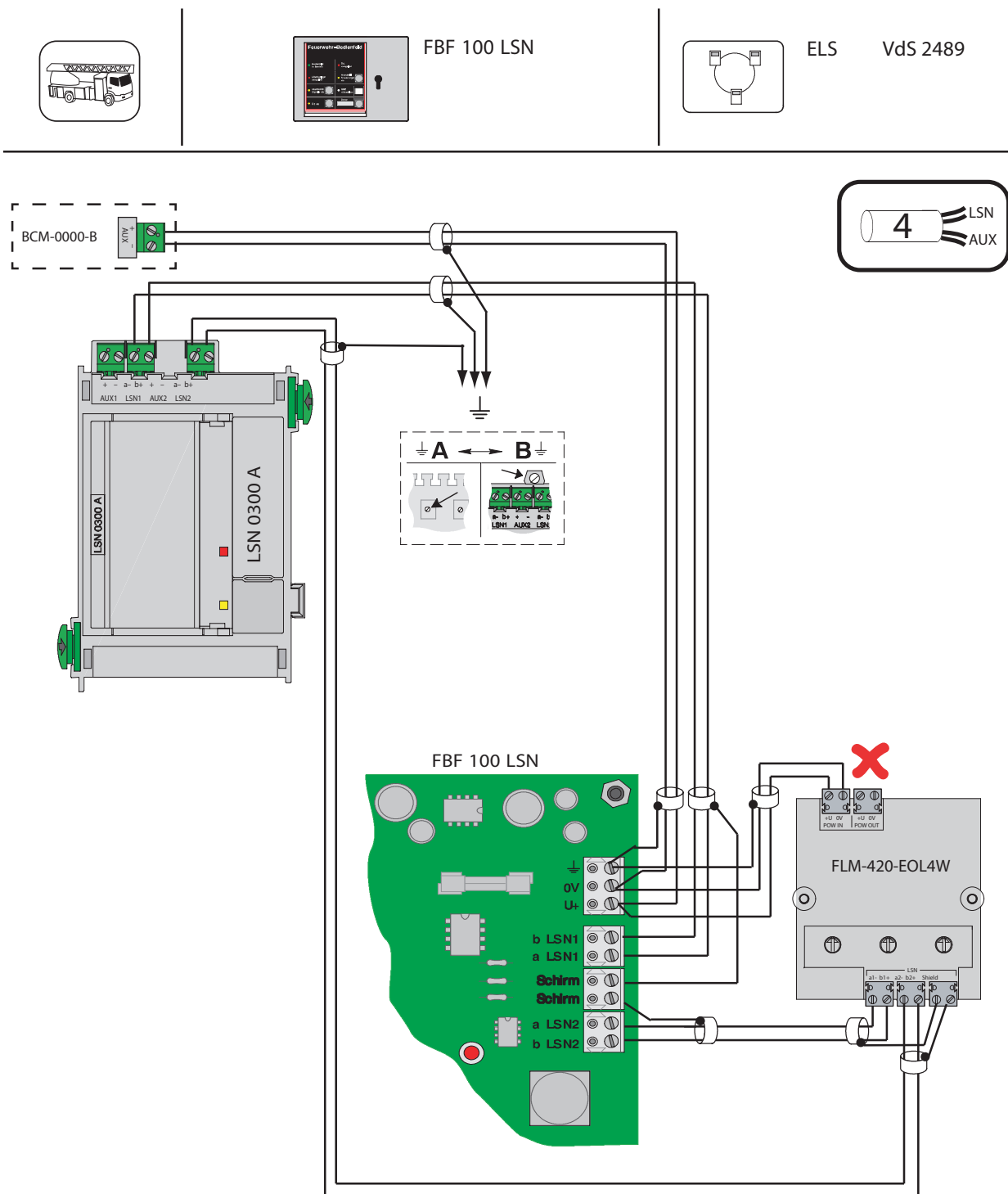


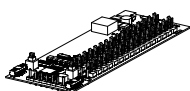
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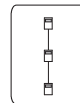
ELS VdS 2489



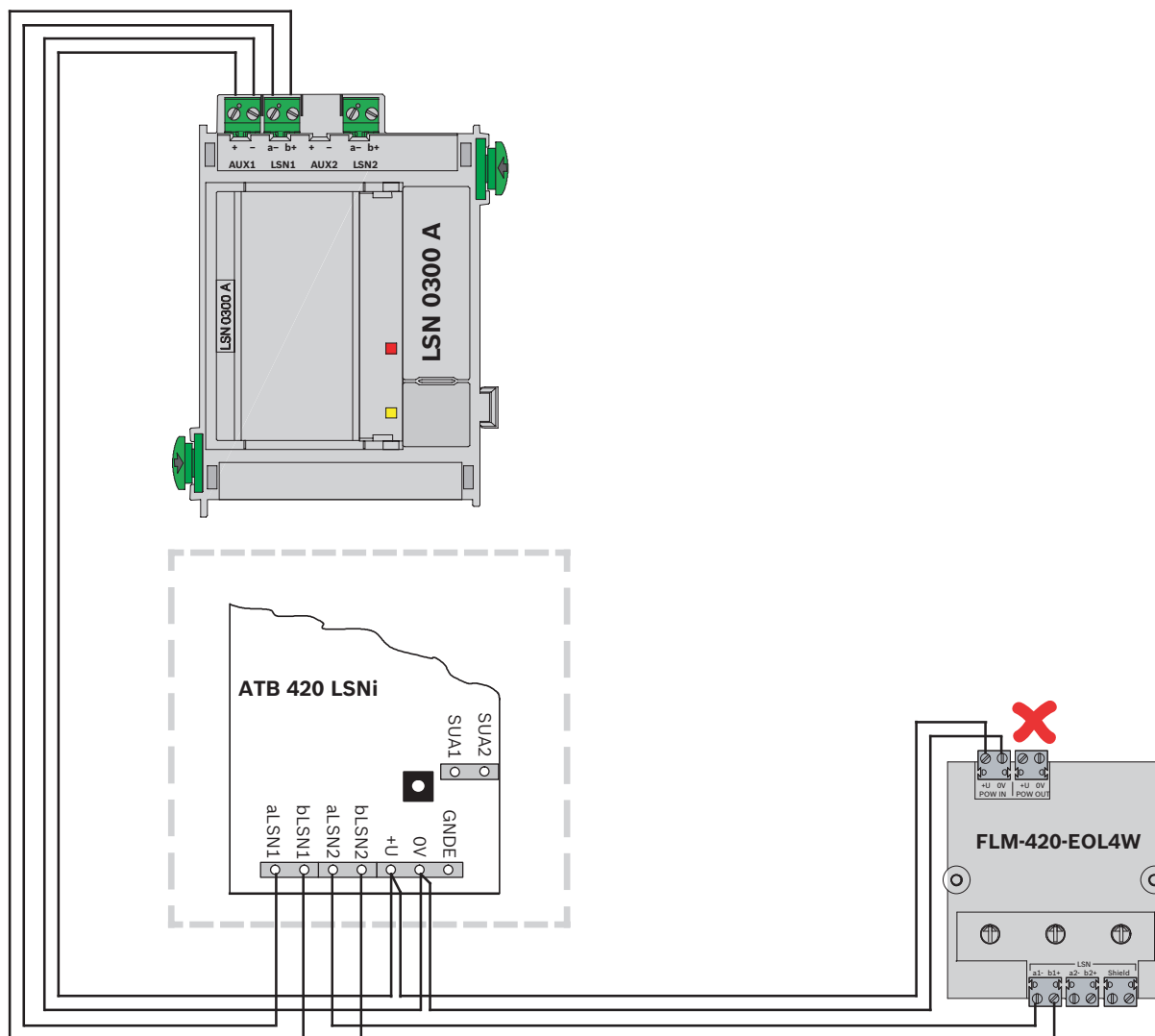
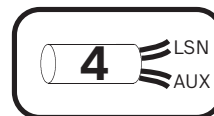


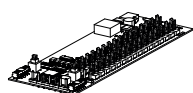


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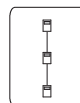


ELS VdS 2489

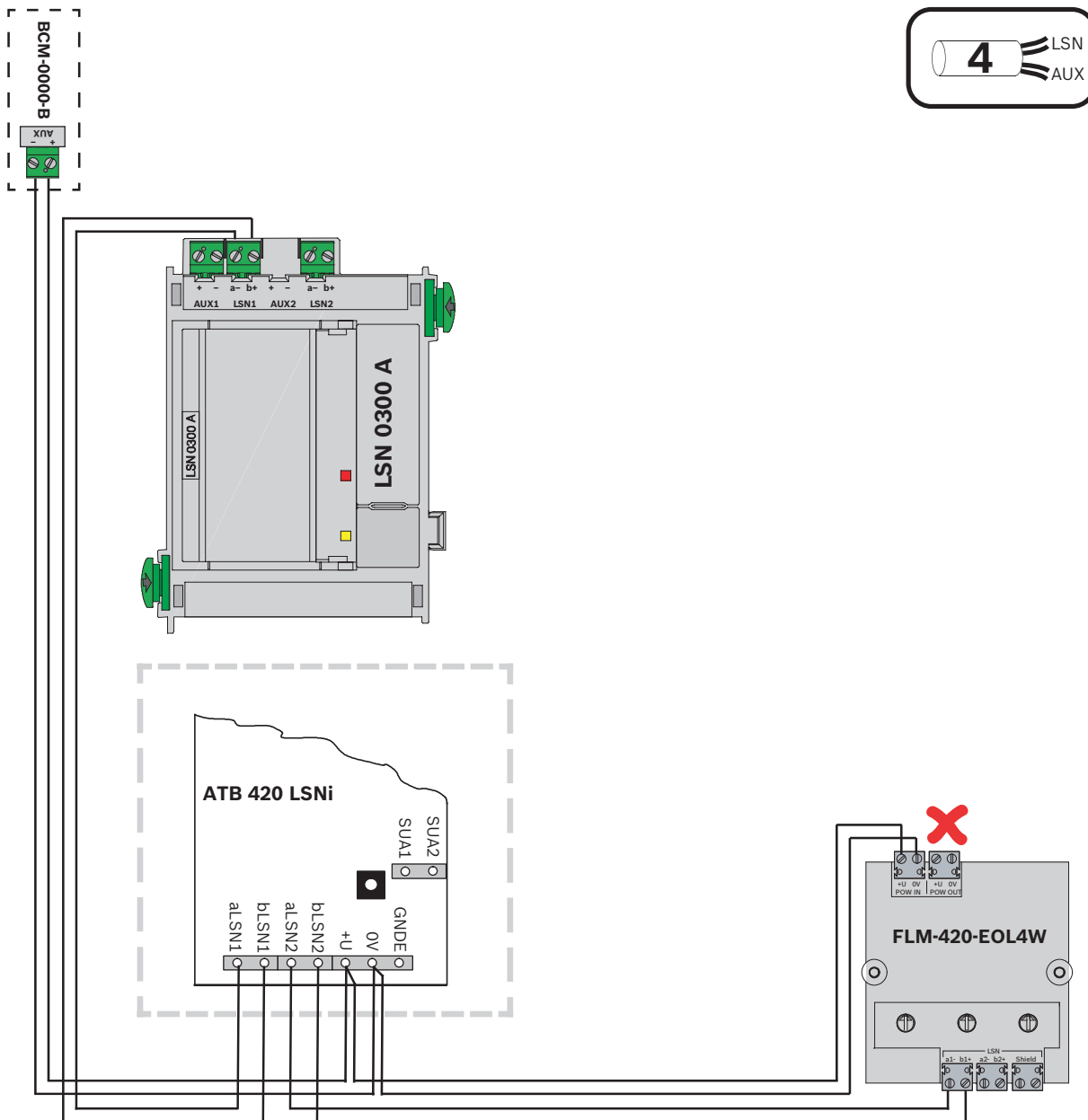


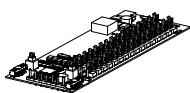


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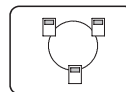


ELS VdS 2489

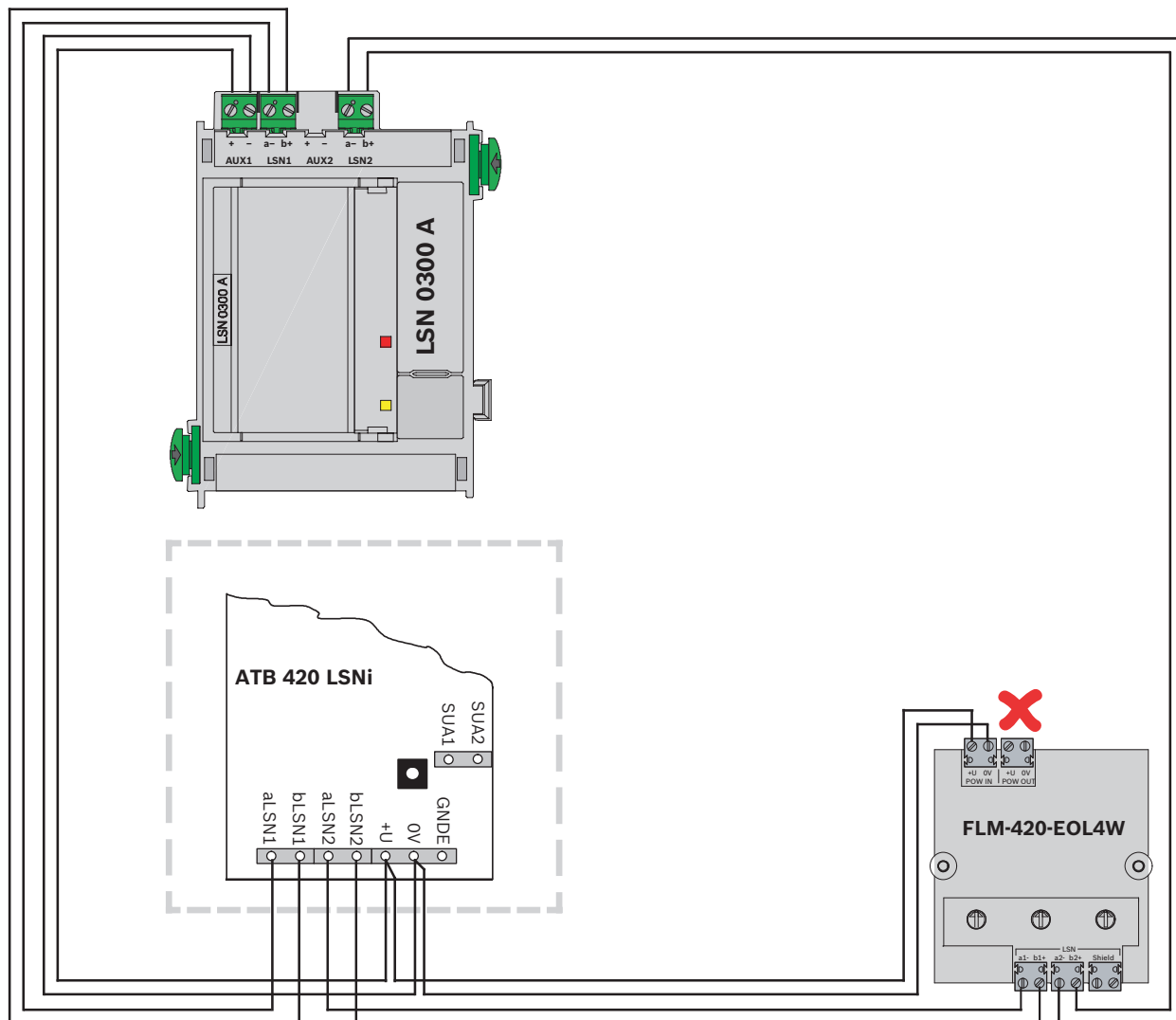
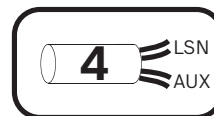


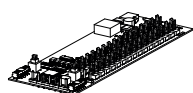


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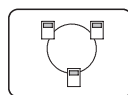


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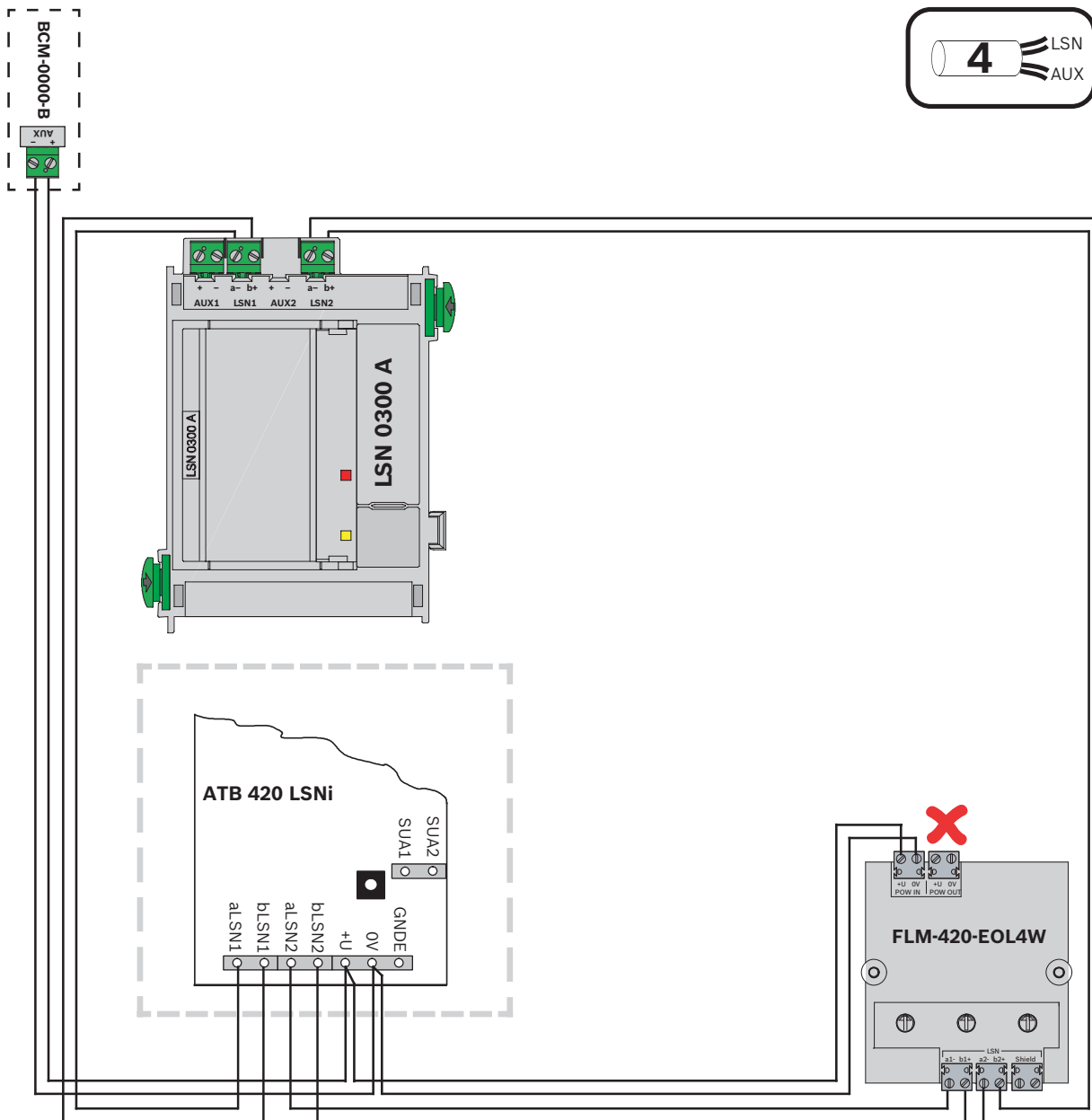




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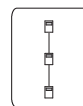


ELS VdS 2489

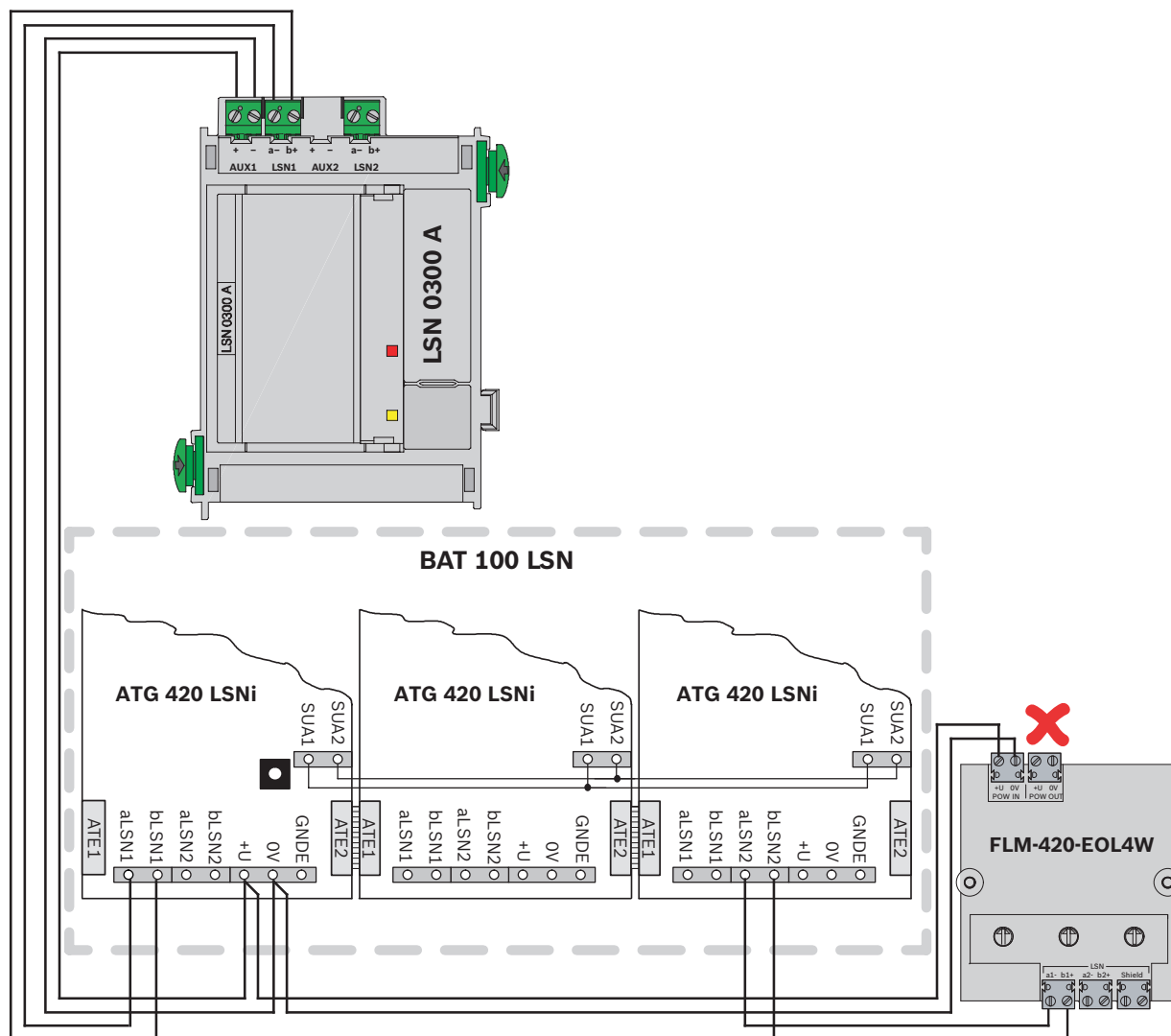
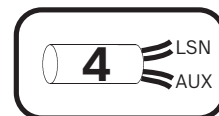




BAT 100 LSN
ATG 420 LSNi

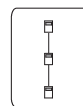


ELS **VdS 2489**

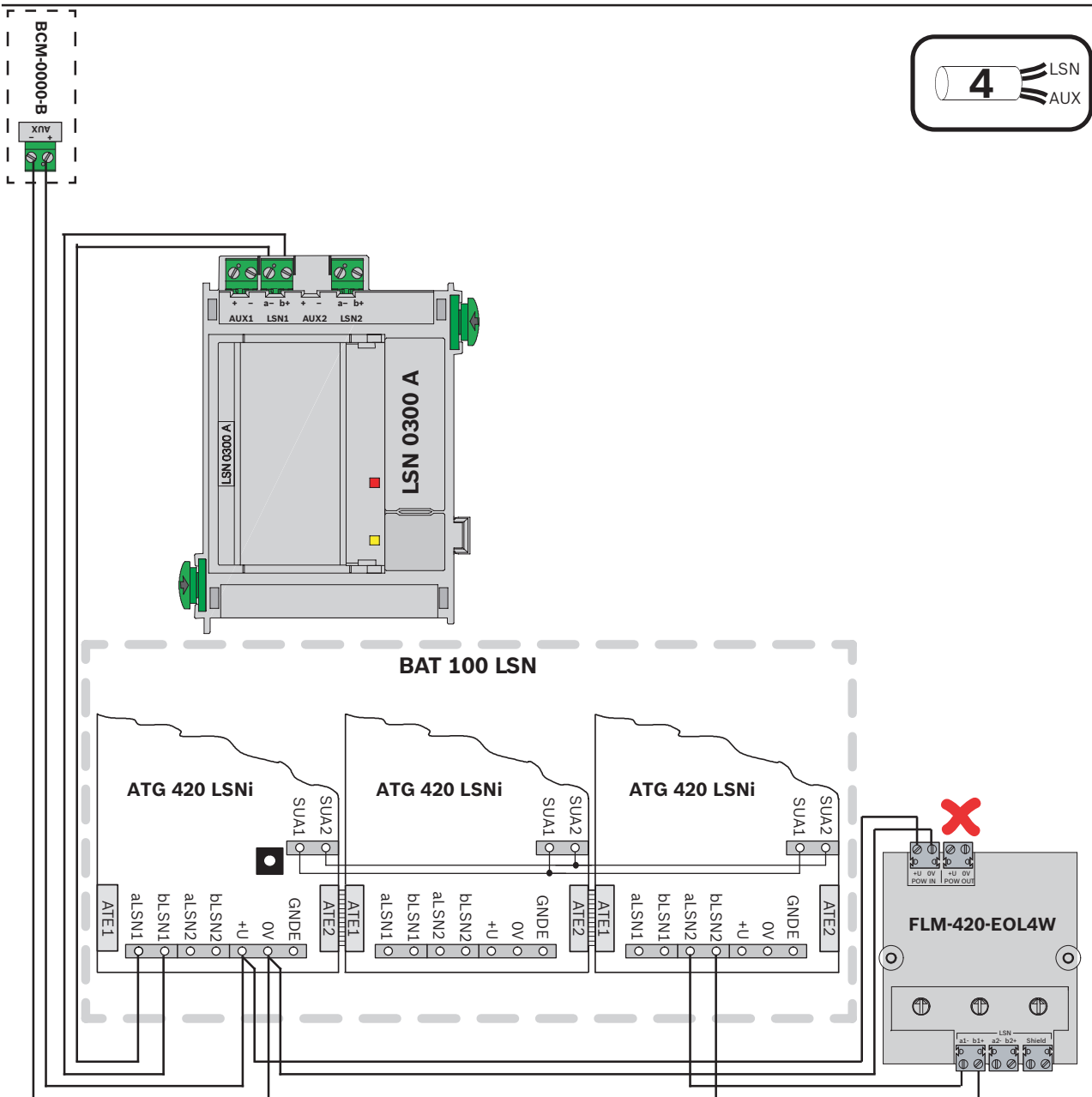




BAT 100 LSN
ATG 420 LSNi

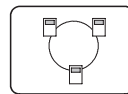


ELS VdS 2489

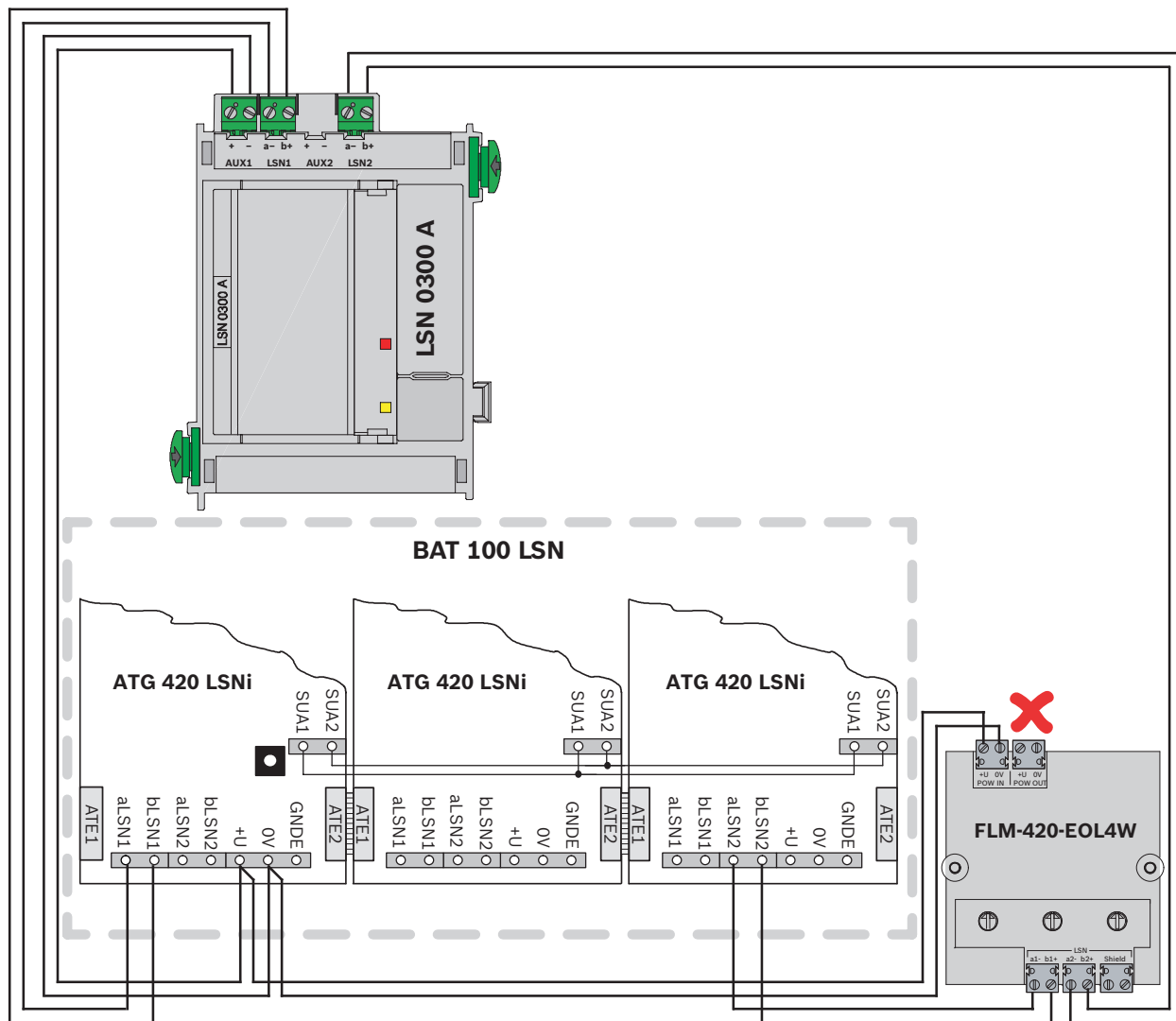
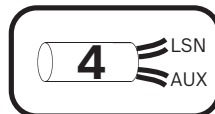




BAT 100 LSN
ATG 420 LSNi

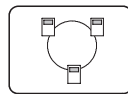


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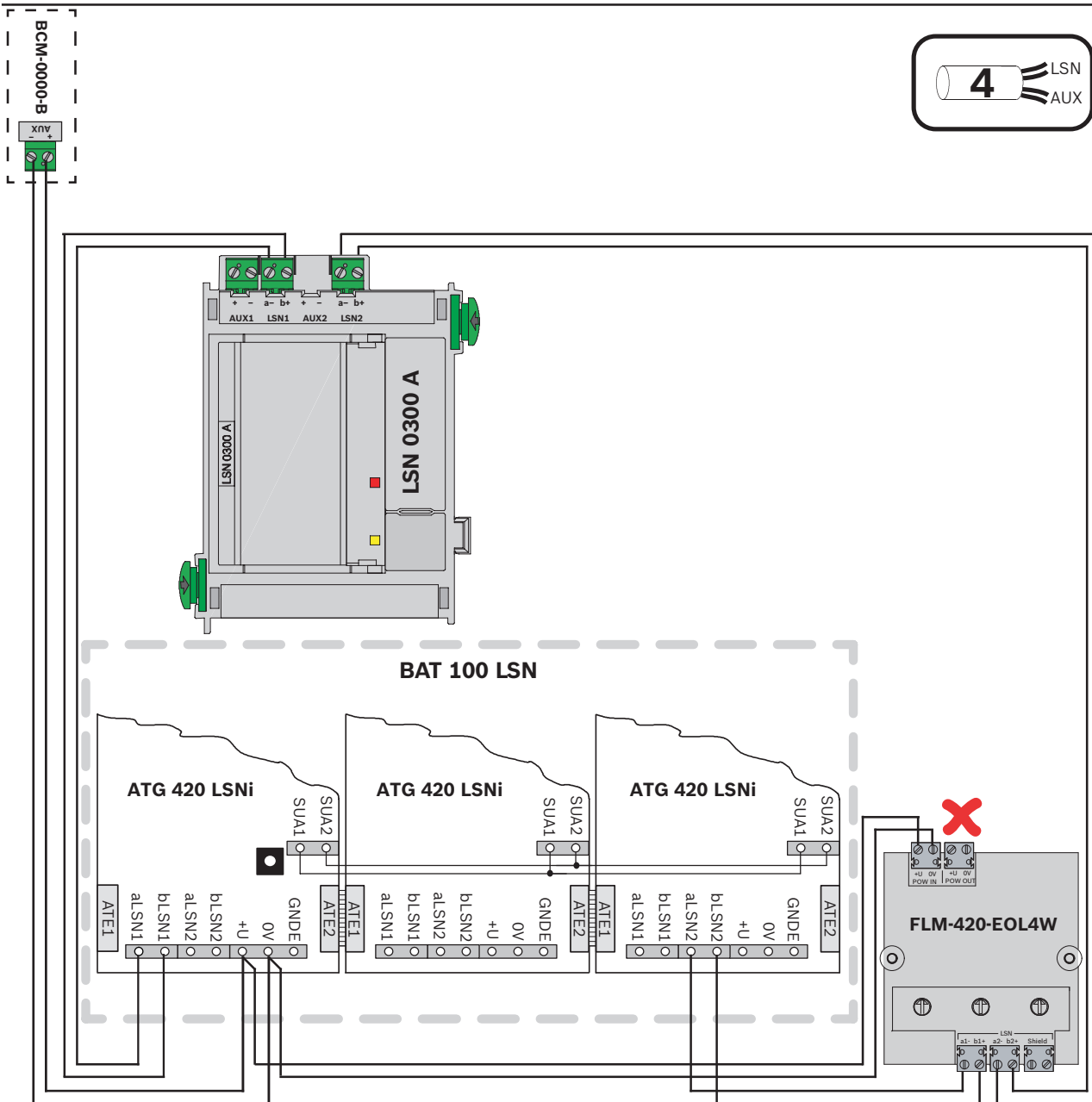
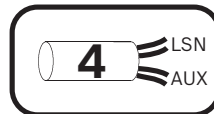


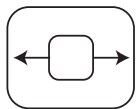


BAT 100 LSN
ATG 420 LSNi

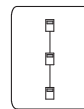


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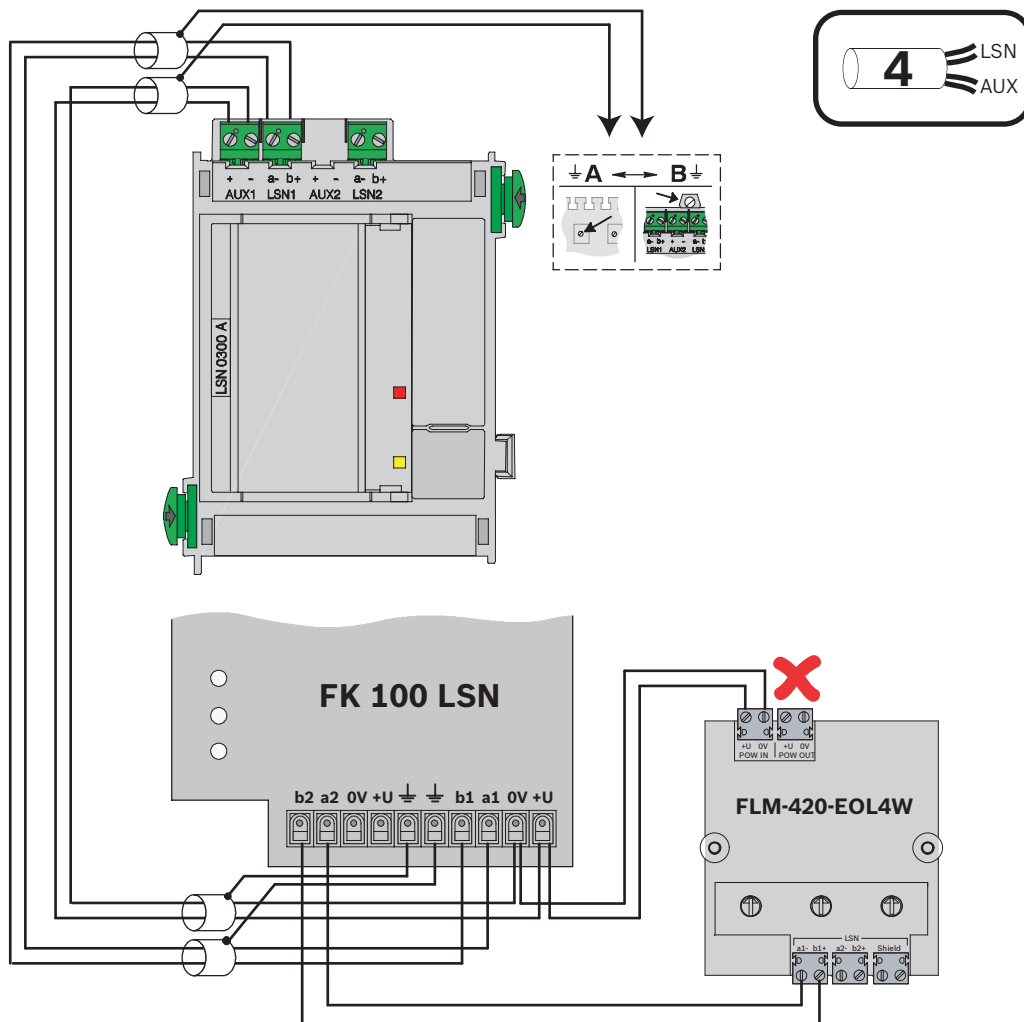
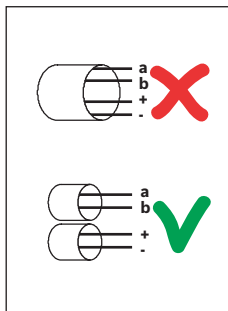


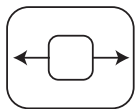


FK 100 LSN

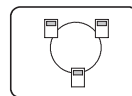


ELS VdS 2489

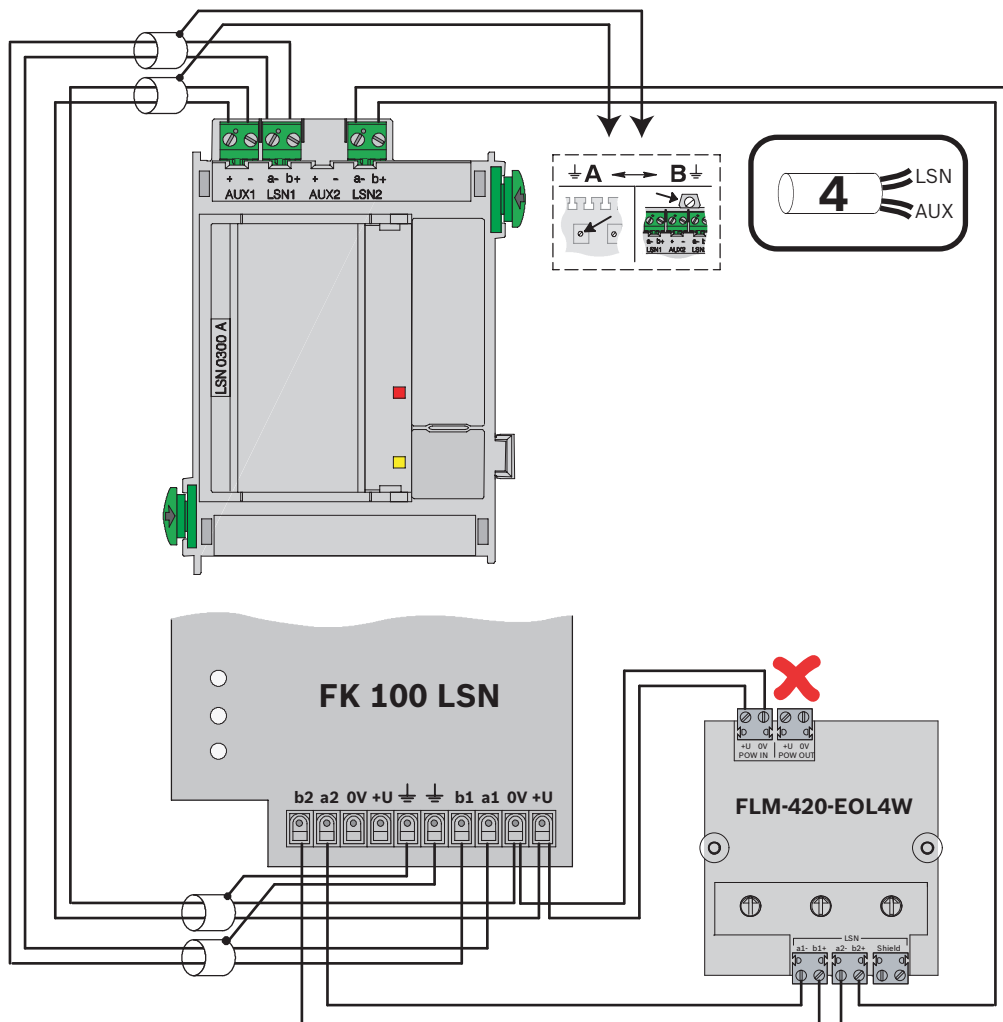
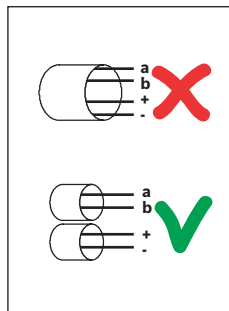


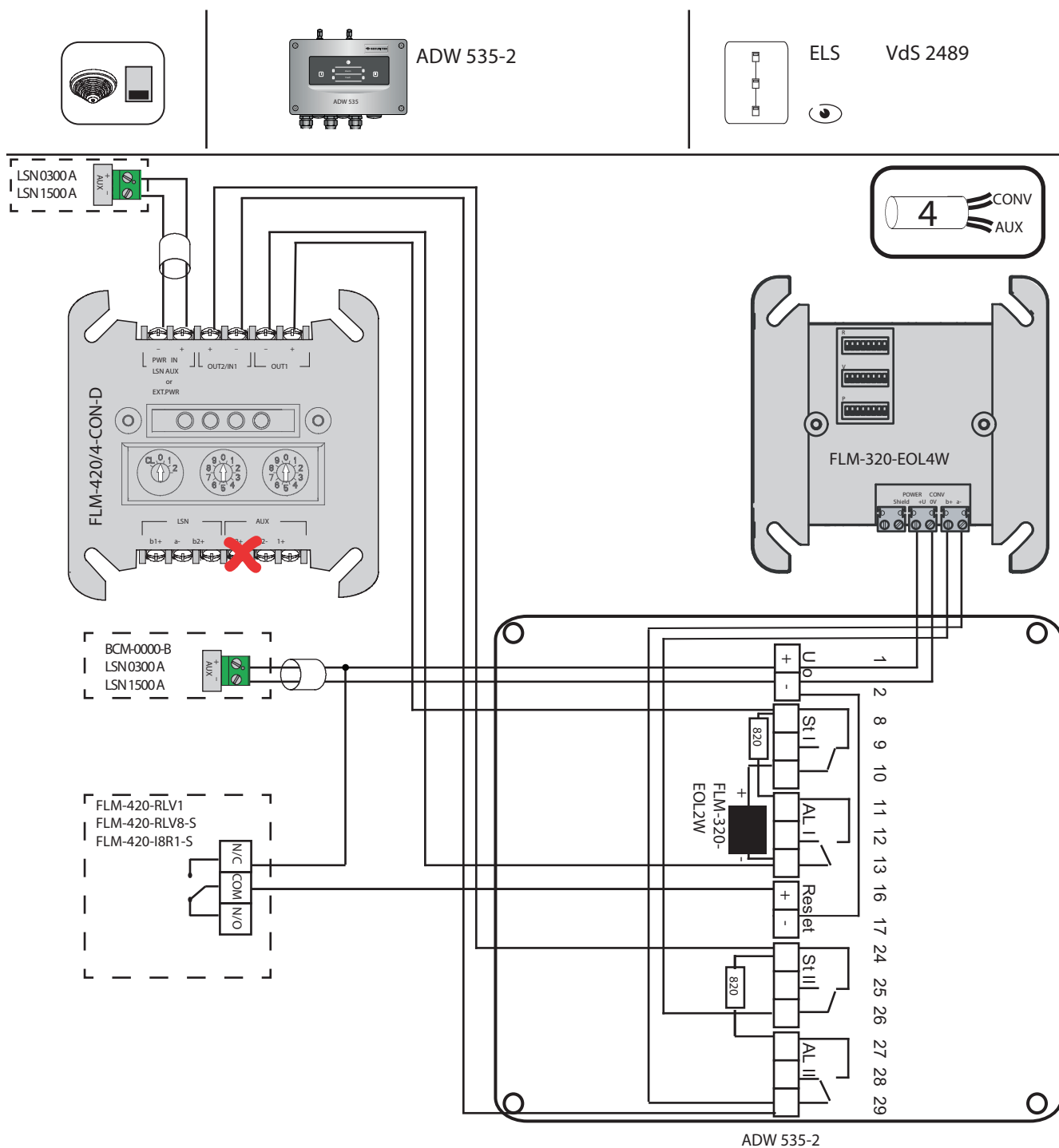


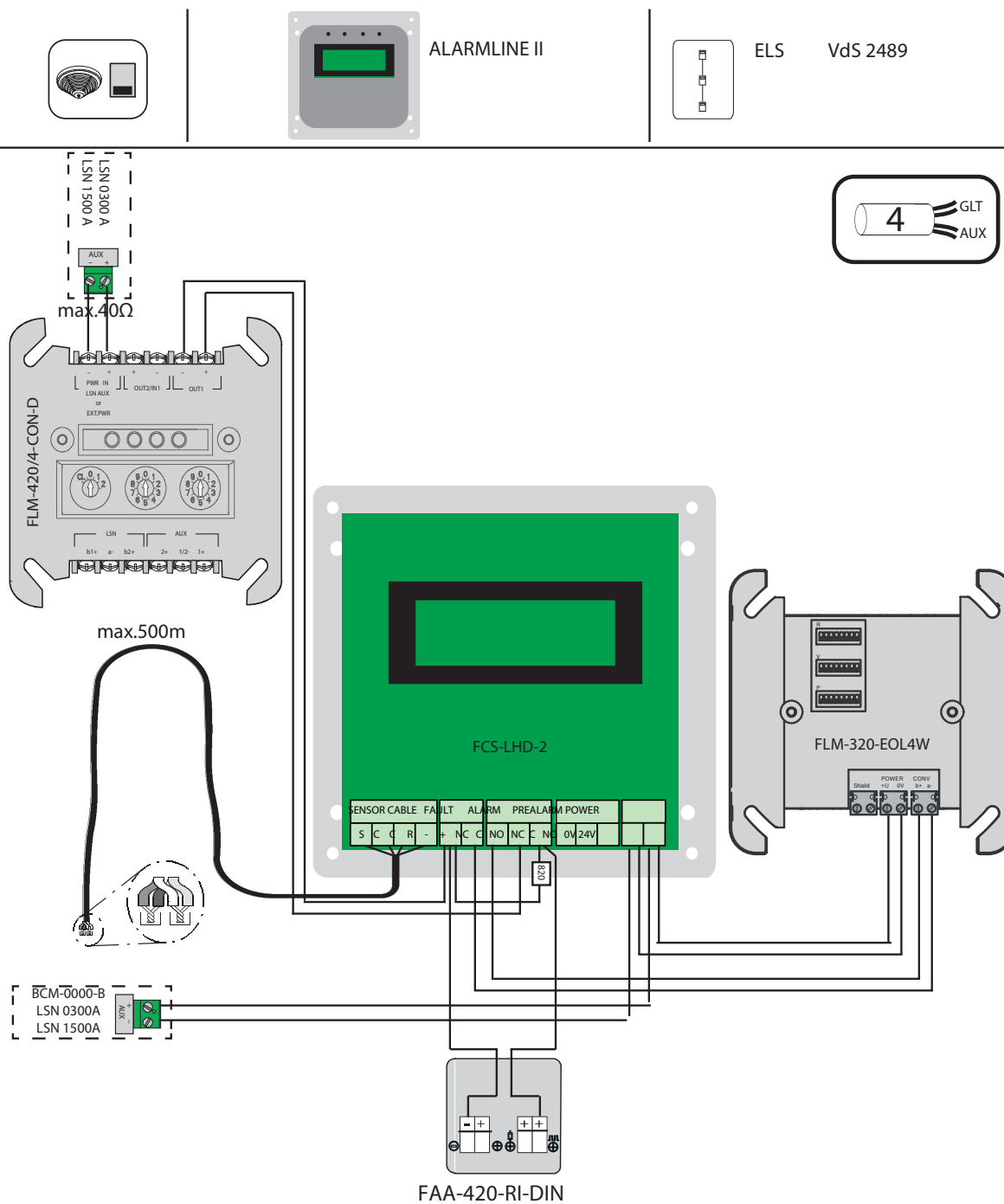
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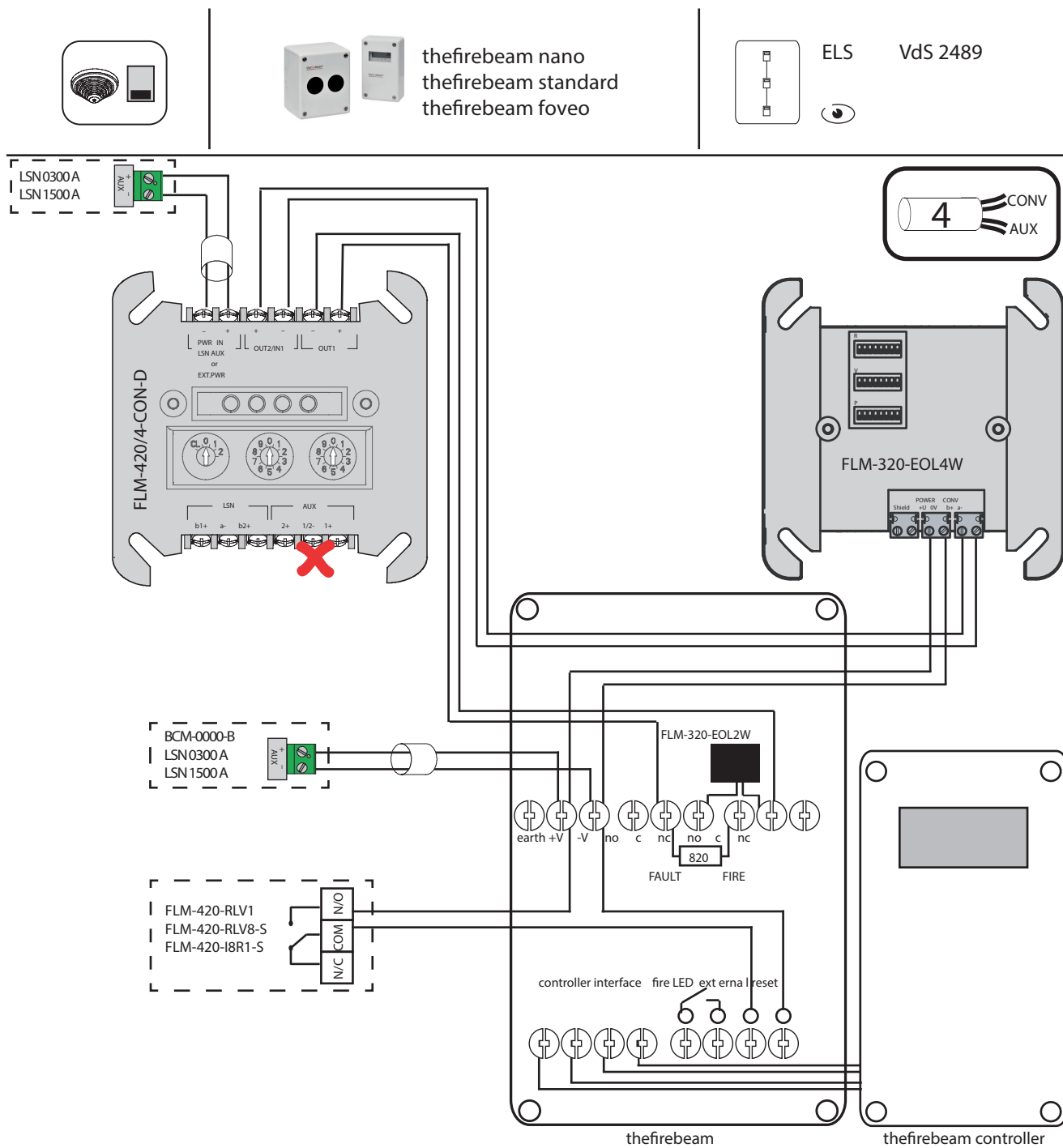


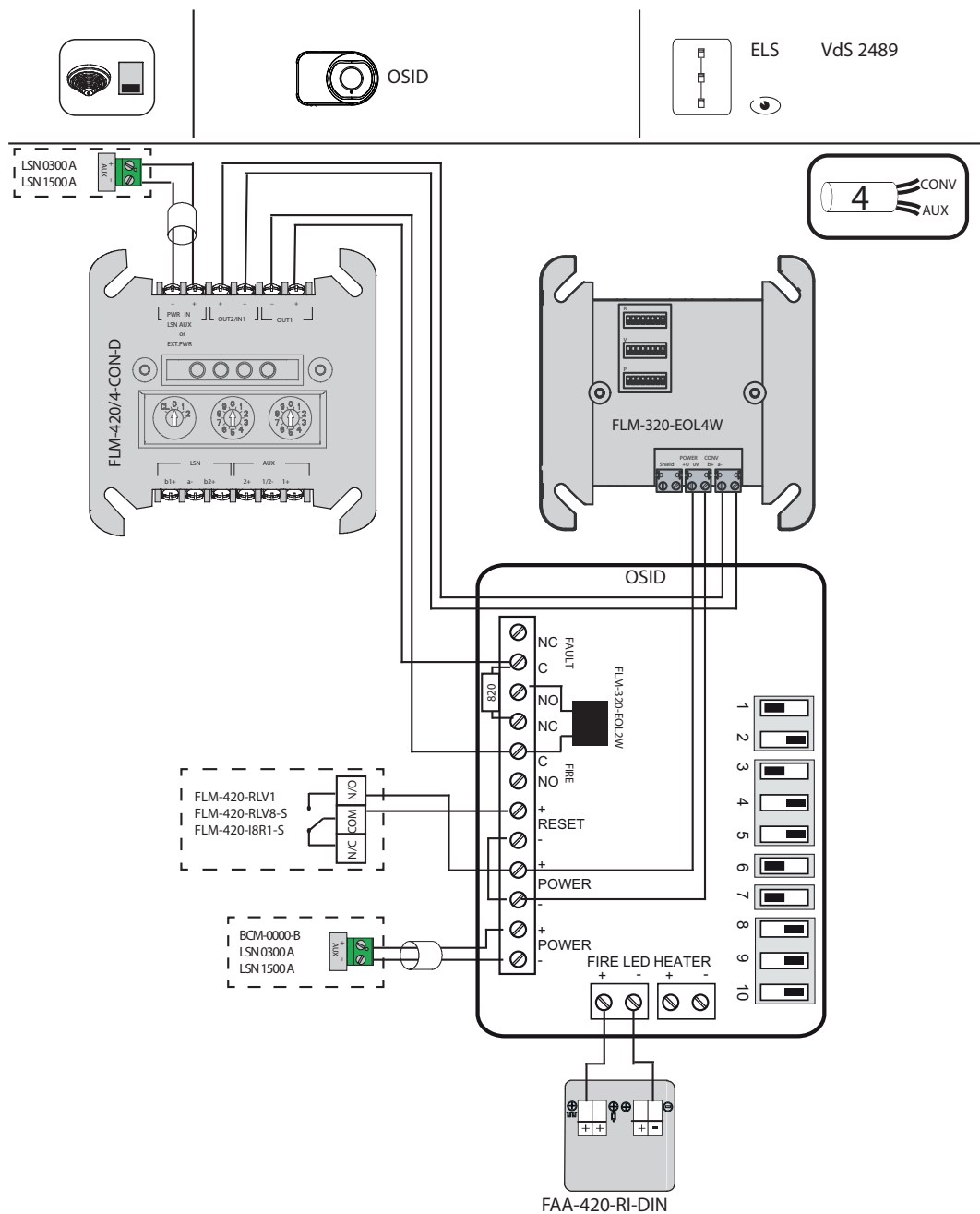
ELS VdS 2489





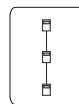




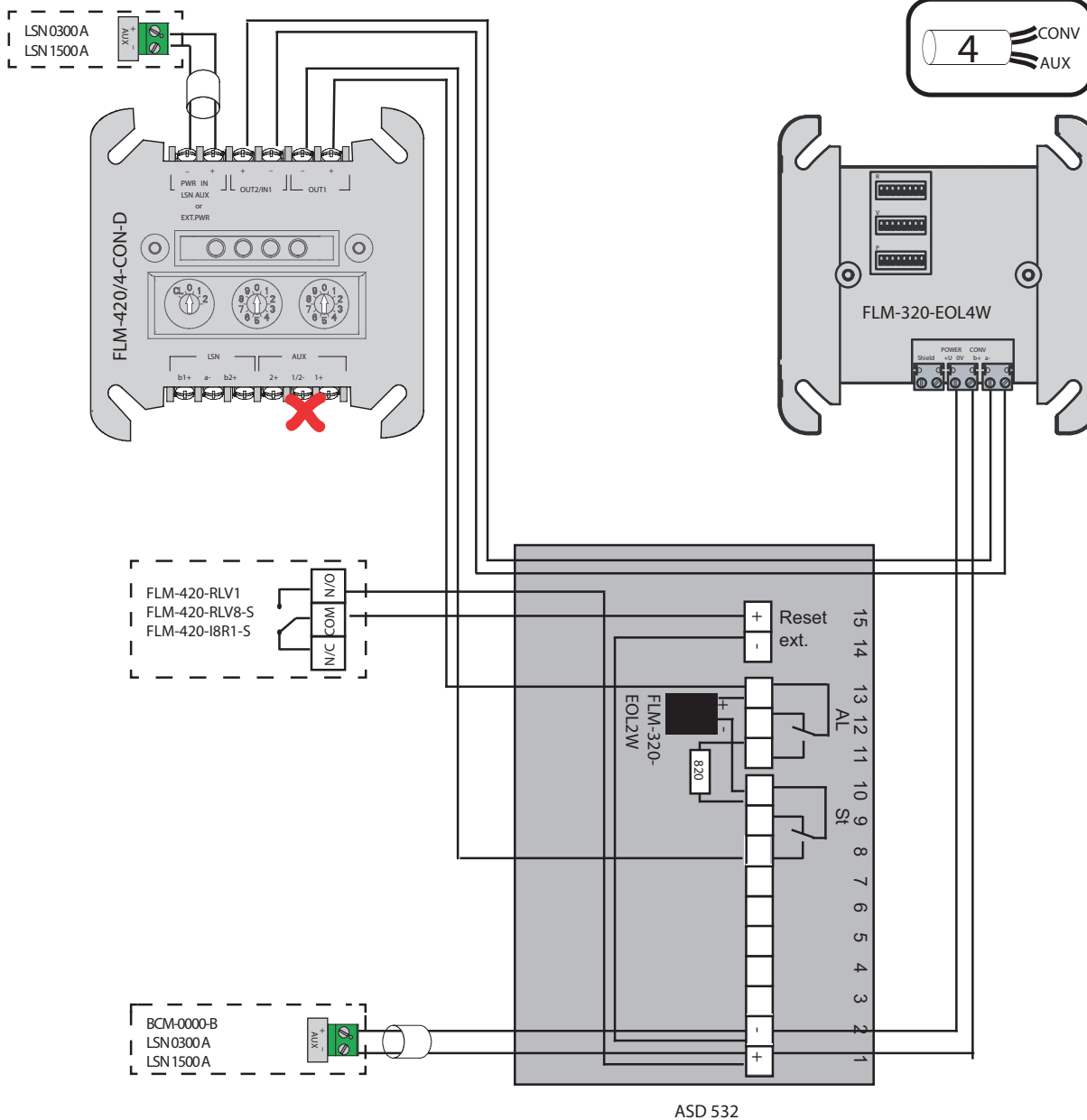




ASD 532

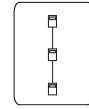


ELS VdS 2489



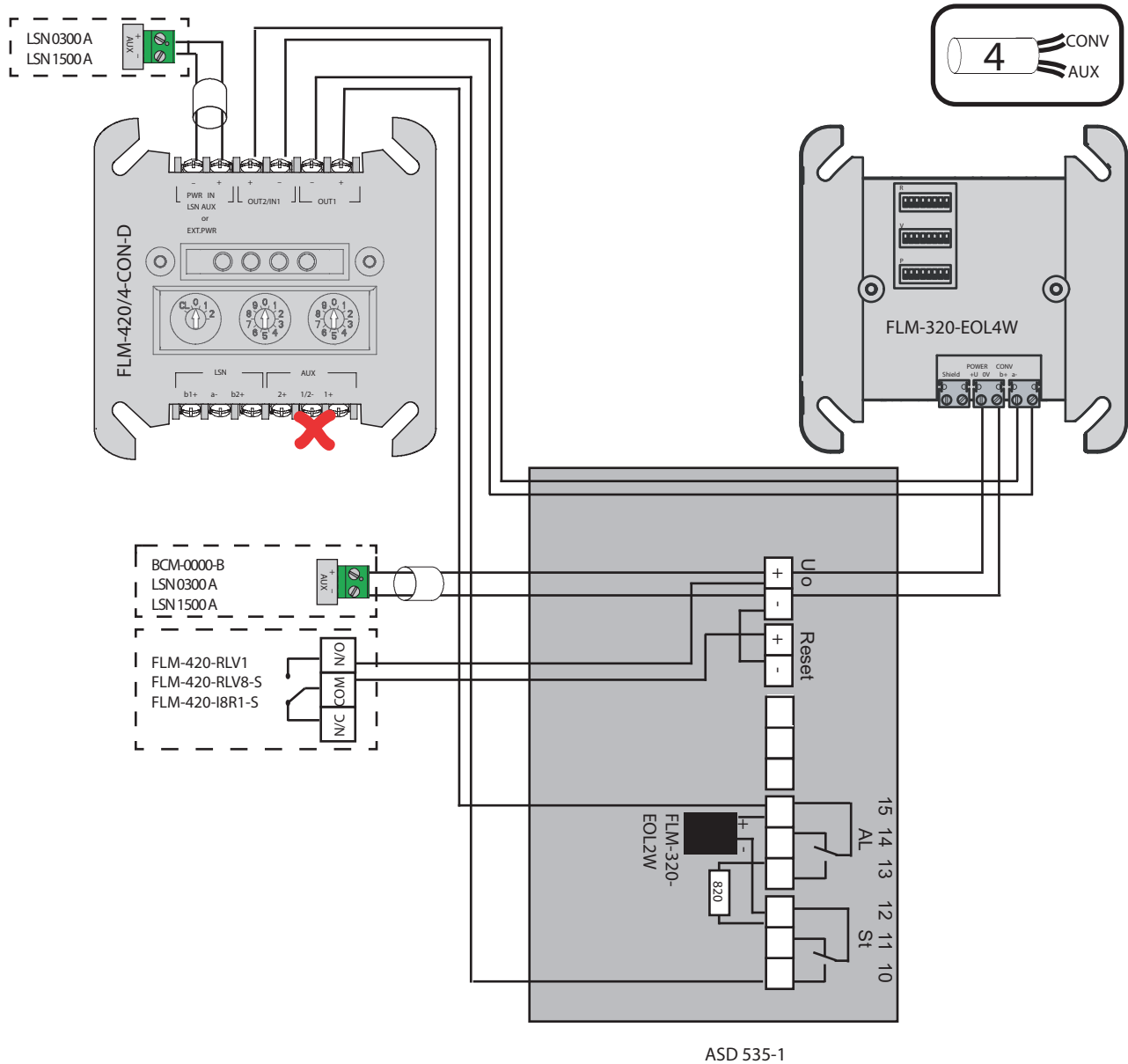


ASD 535-1



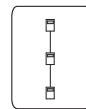
ELS

VdS 2489



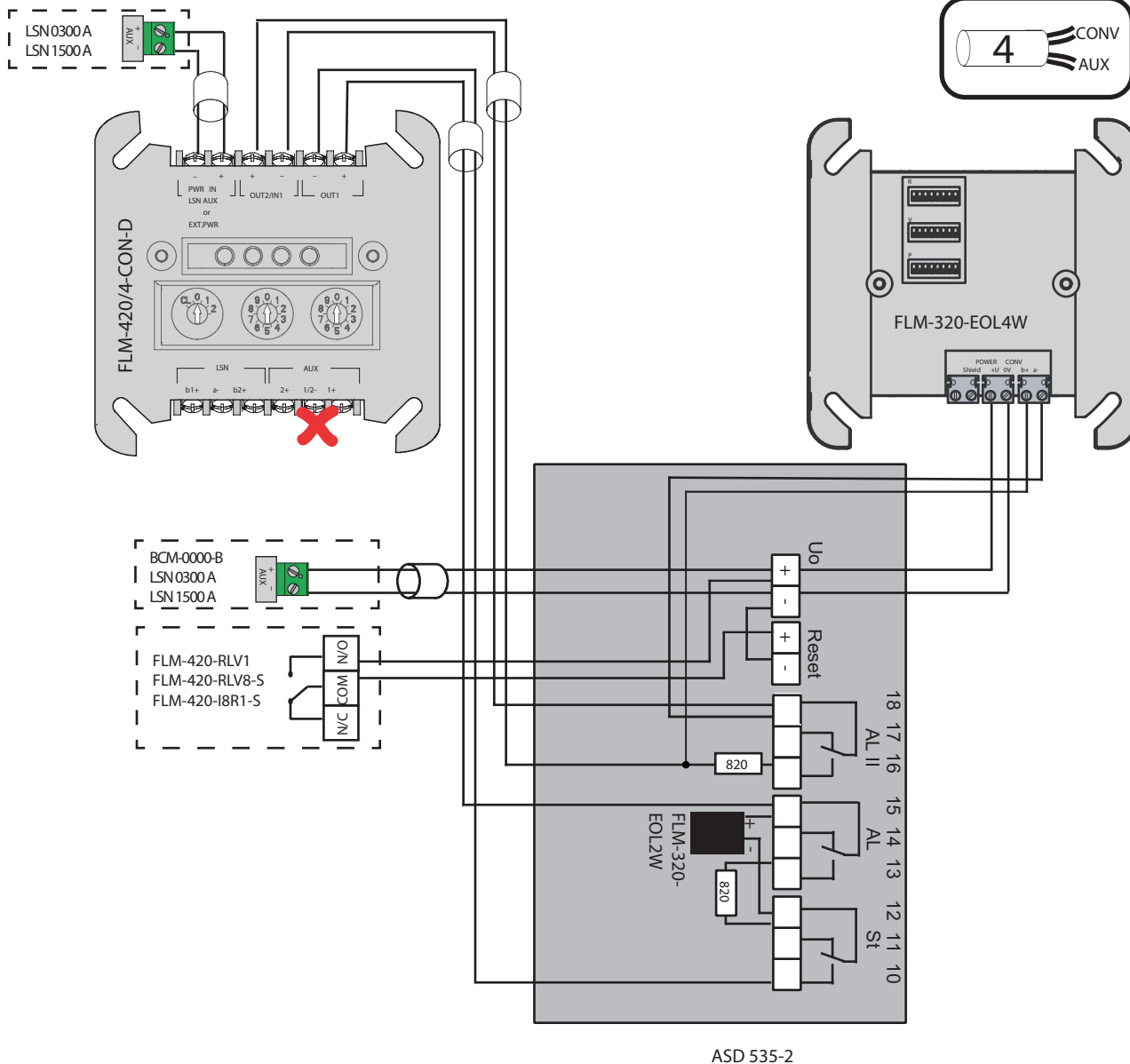


ASD 535-2



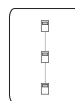
ELS

VdS 2489





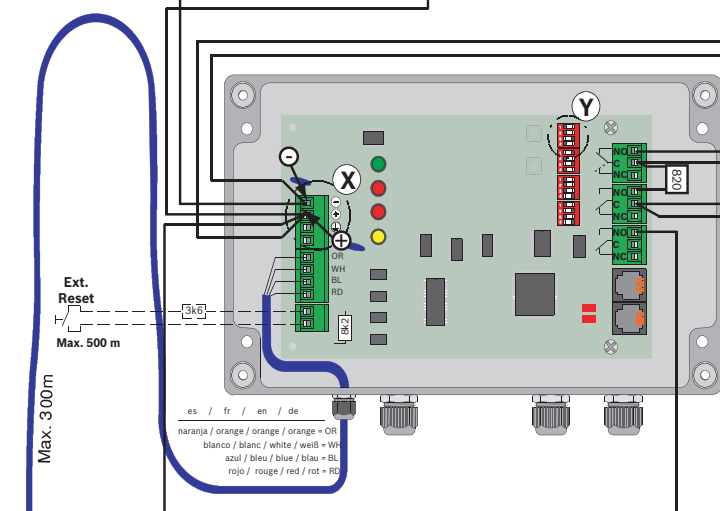
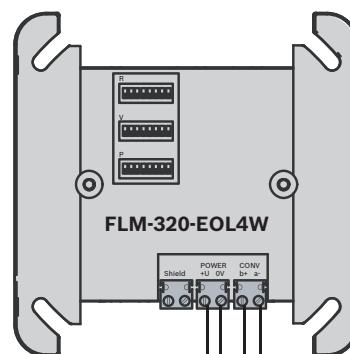
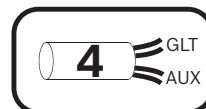
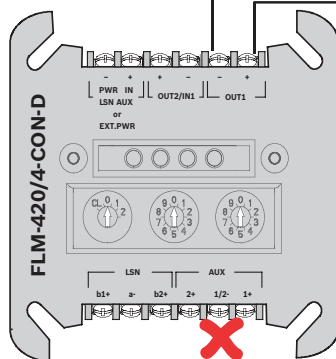
FCS-LWM-1

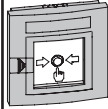
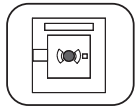


ELS VdS 2489

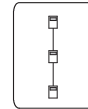


BCM-0000-B
LSN 0300 A
LSN 1500 A

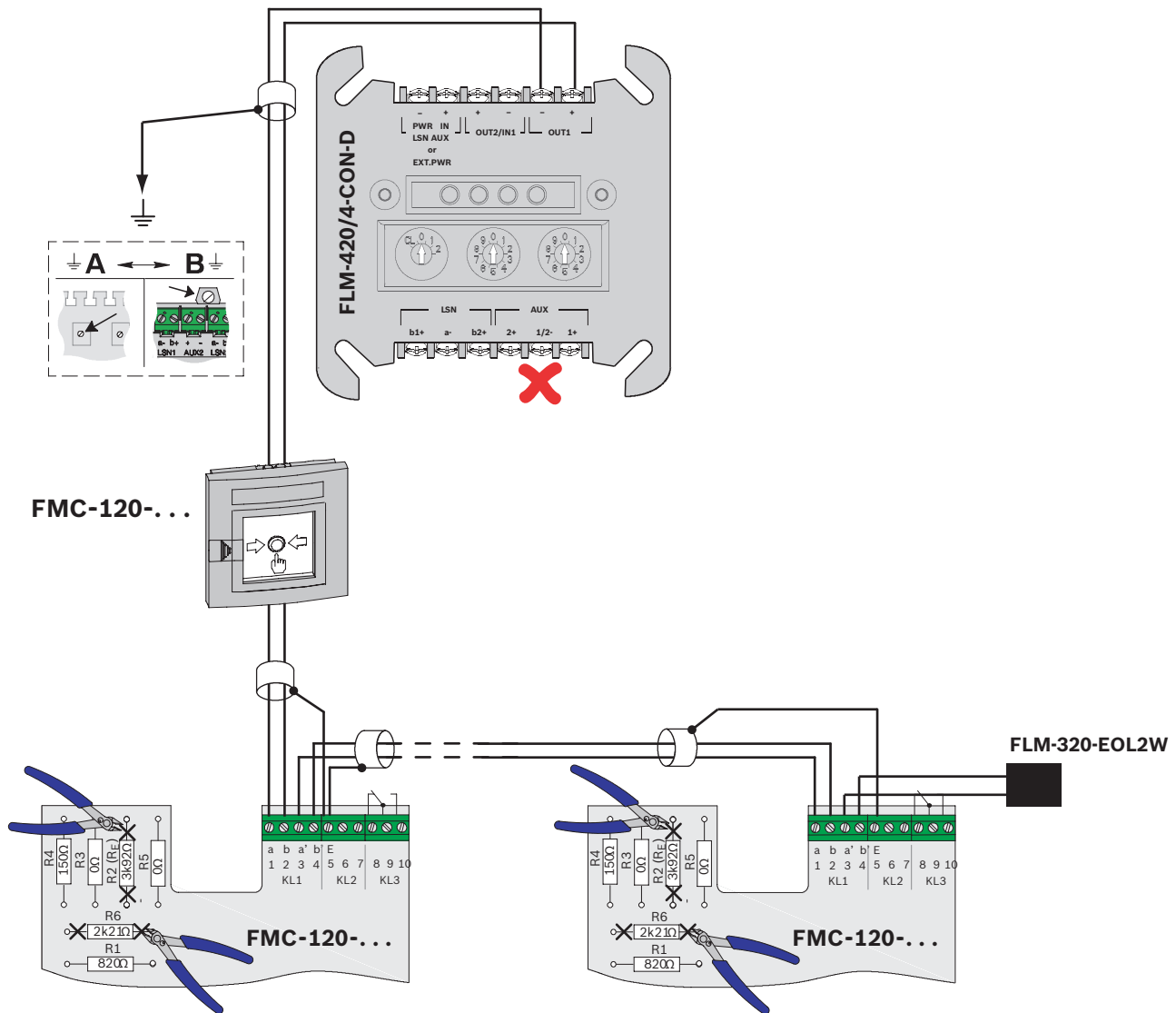


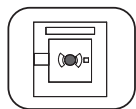
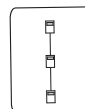
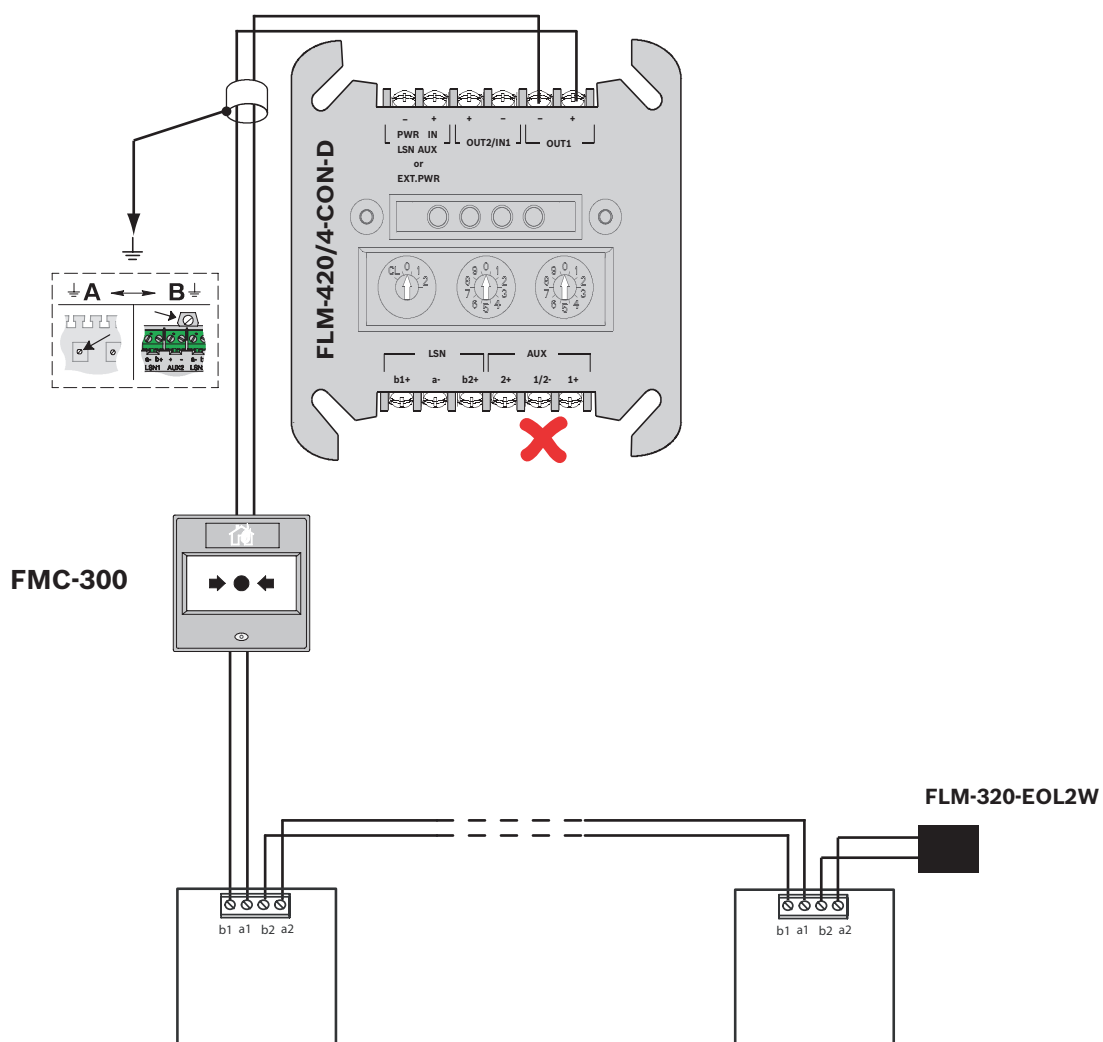


FMC-120-DKM-G-R FMC-120-DKM-G-Y
FMC-120-DKM-H-R FMC-120-EST-G-B
FMC-120-DKM-G-B
FMC-120-DKM-H-B



ELS VdS 2489



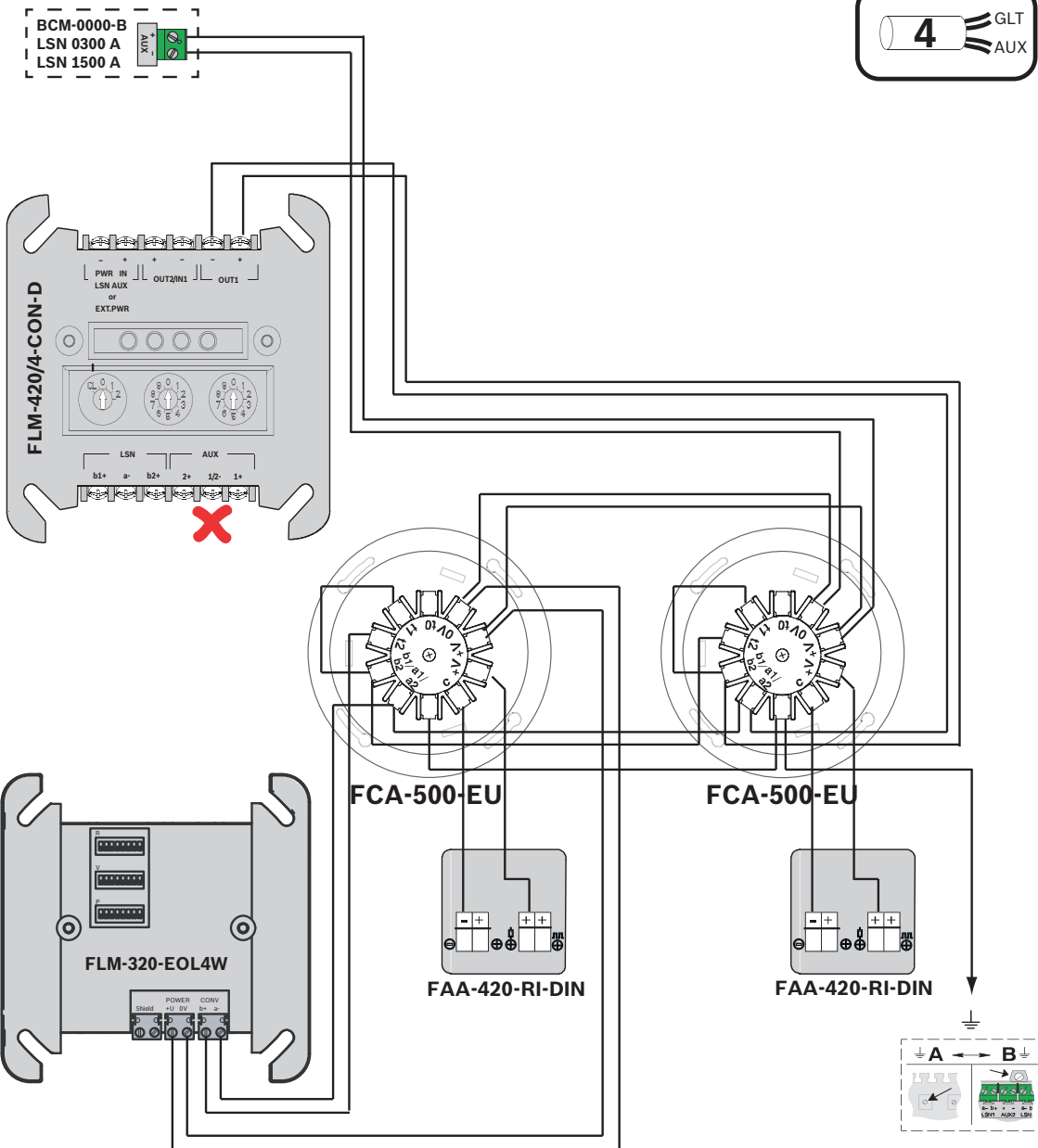
**FMC-300****ELS VdS 2489**

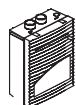
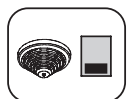


FCP-500



ELS VdS 2489





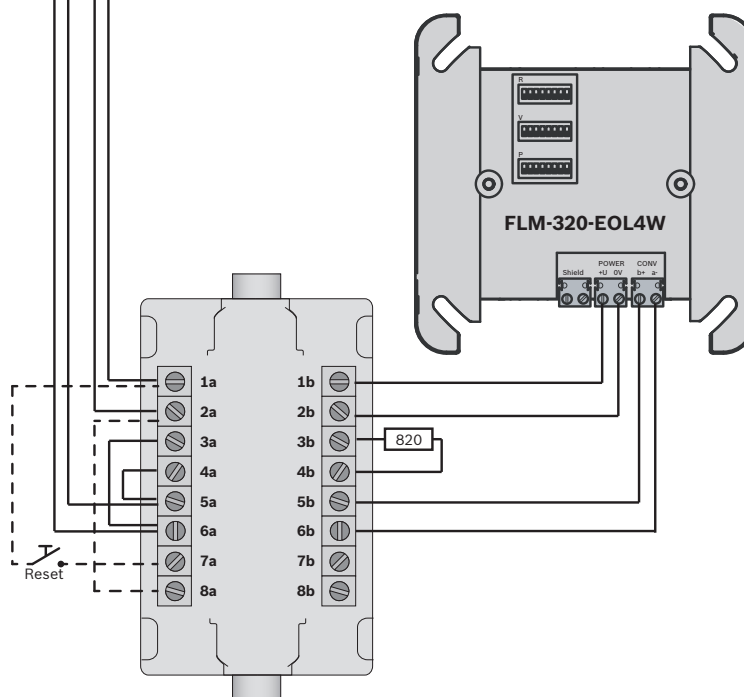
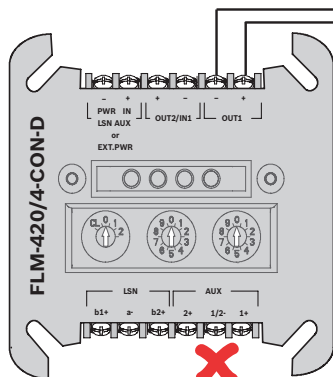
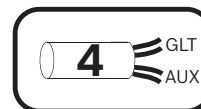
FCS-320-TM Series

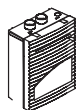


ELS VdS 2489

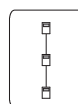


BCM-0000-B
LSN 0300 A
LSN 1500 A





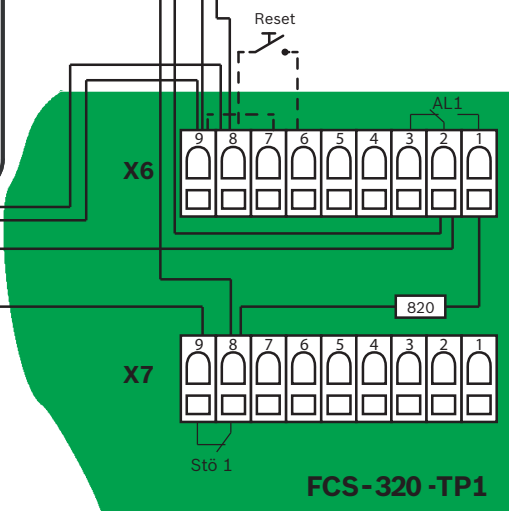
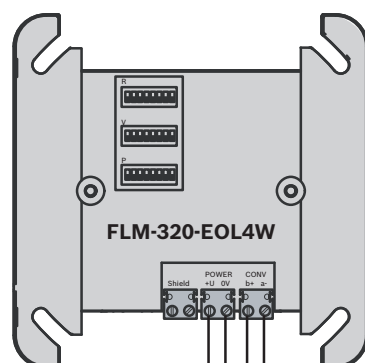
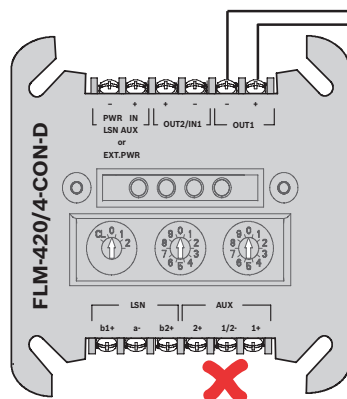
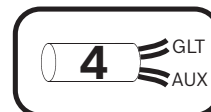
FCS-320-TP Series

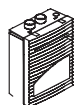


ELS VdS 2489



BCM-0000-B
LSN 0300 A
LSN 1500 A



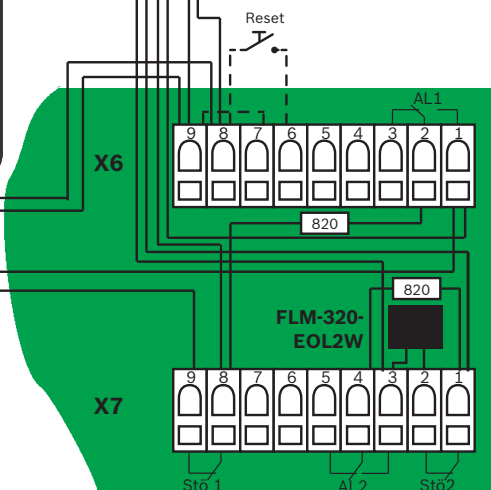
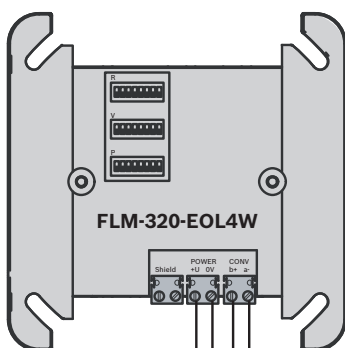
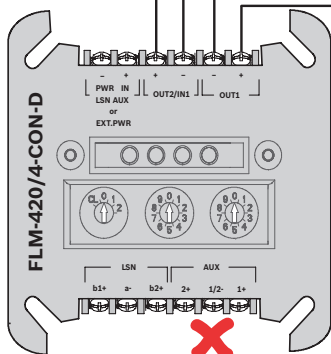


FCS-320-TP Series



ELS VdS 2489

BCM-0000-B
LSN 0300 A
LSN 1500 A



FCS-320-TP2

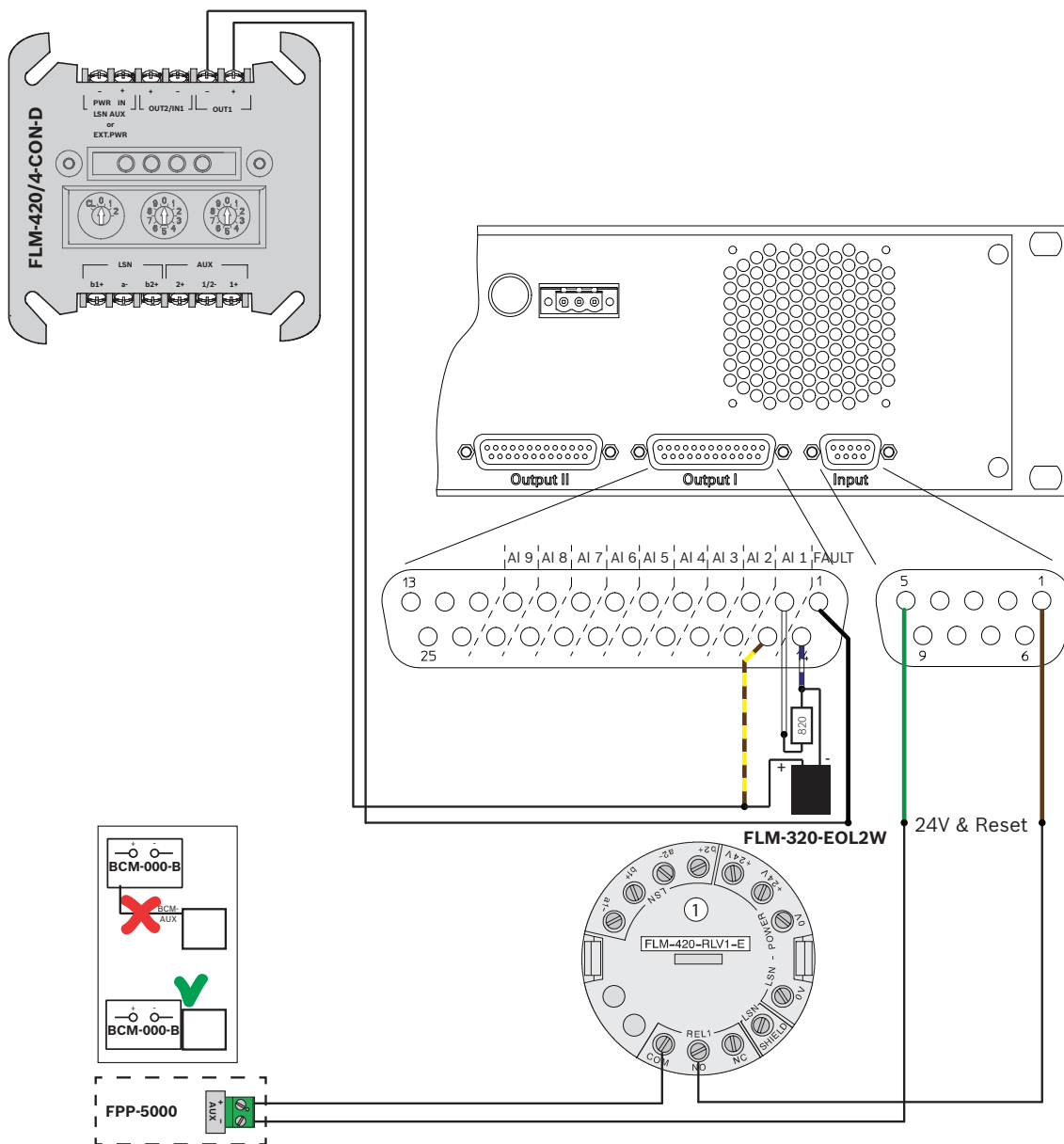


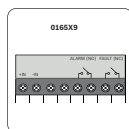
N4387A



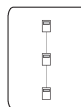
ELS

VdS 2489

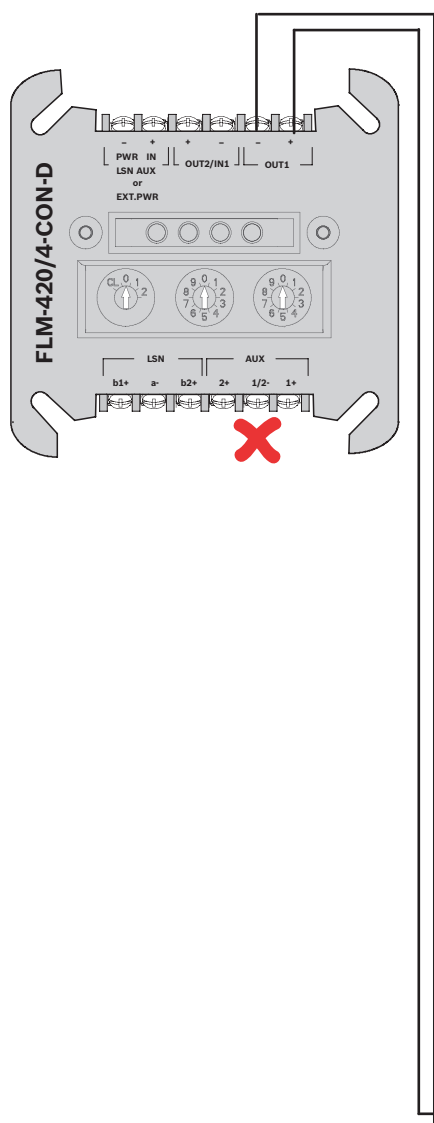




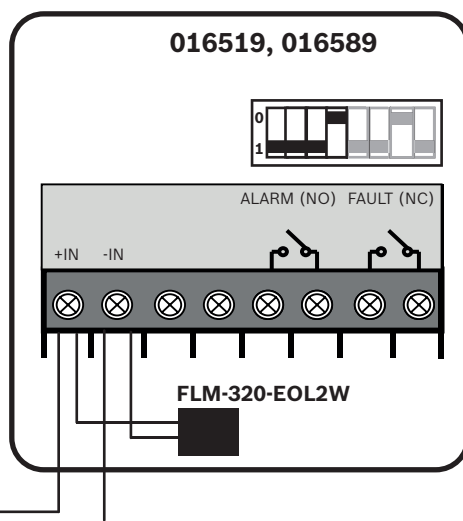
016519, 016589
IR3 Flame Detector

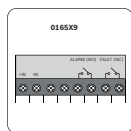


ELS VdS 2489

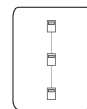


max. 1 x 0165X9

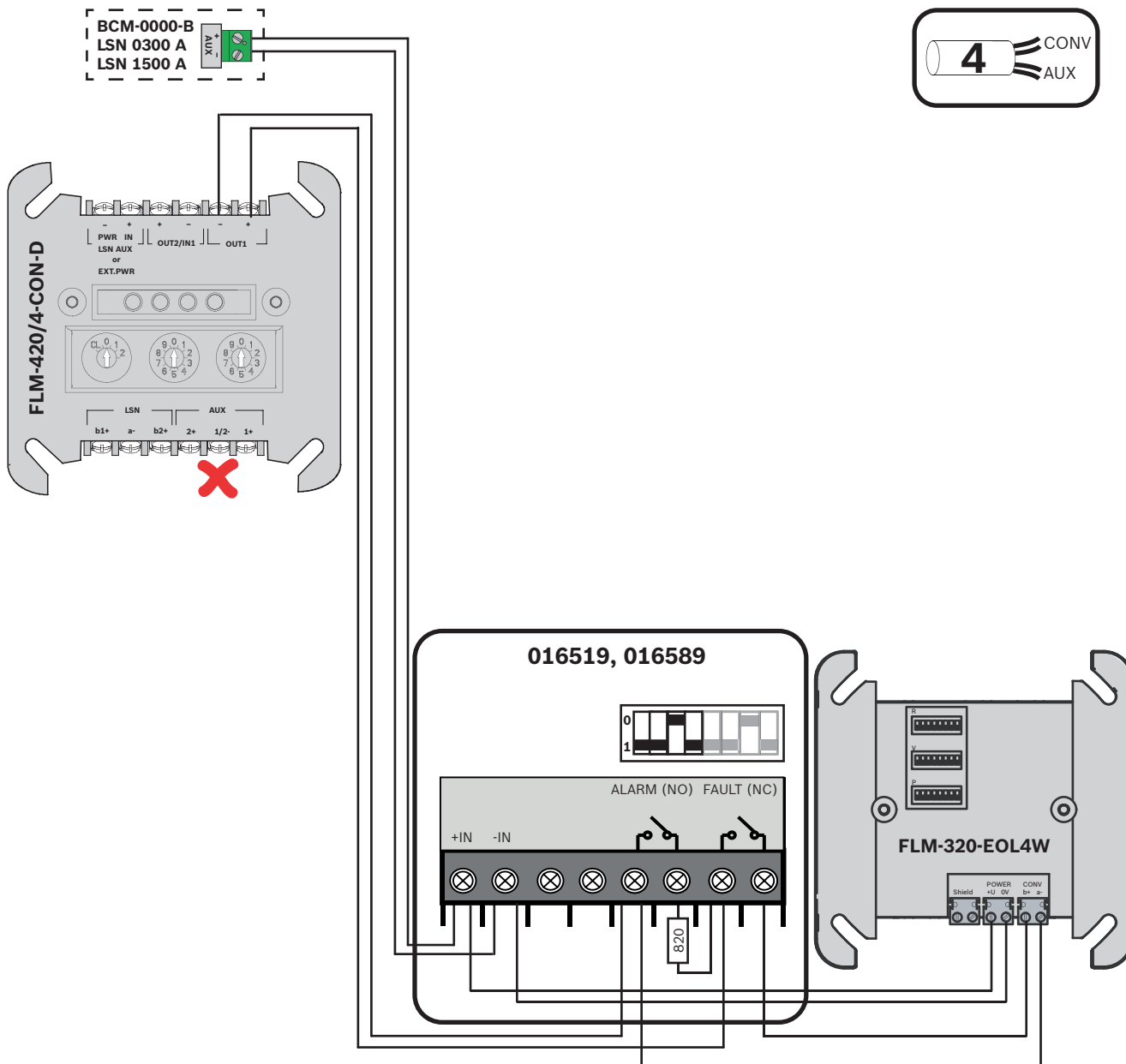


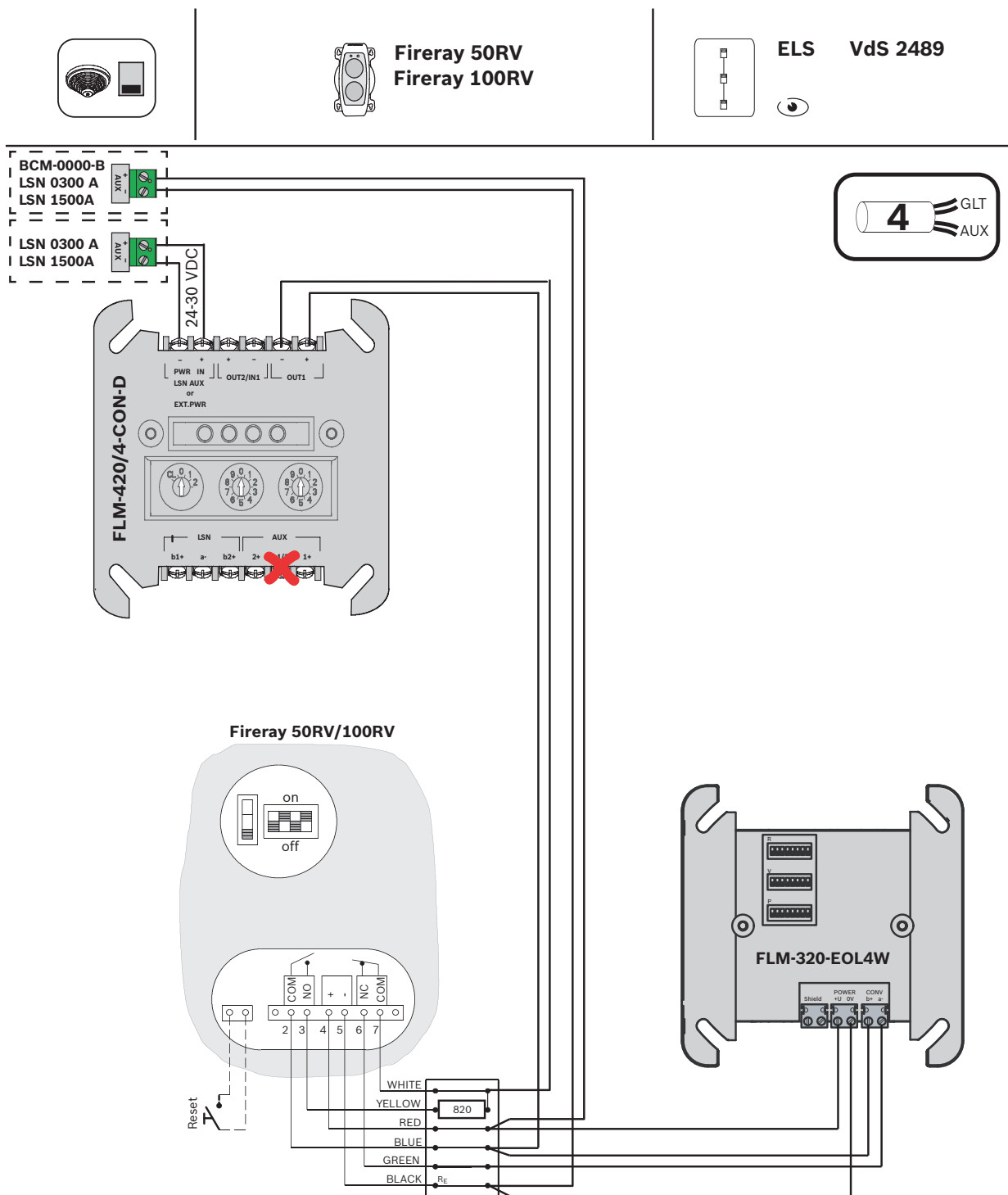


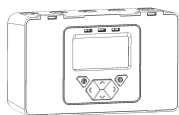
016519, 016589
IR3 Flame Detector



ELS VdS 2489







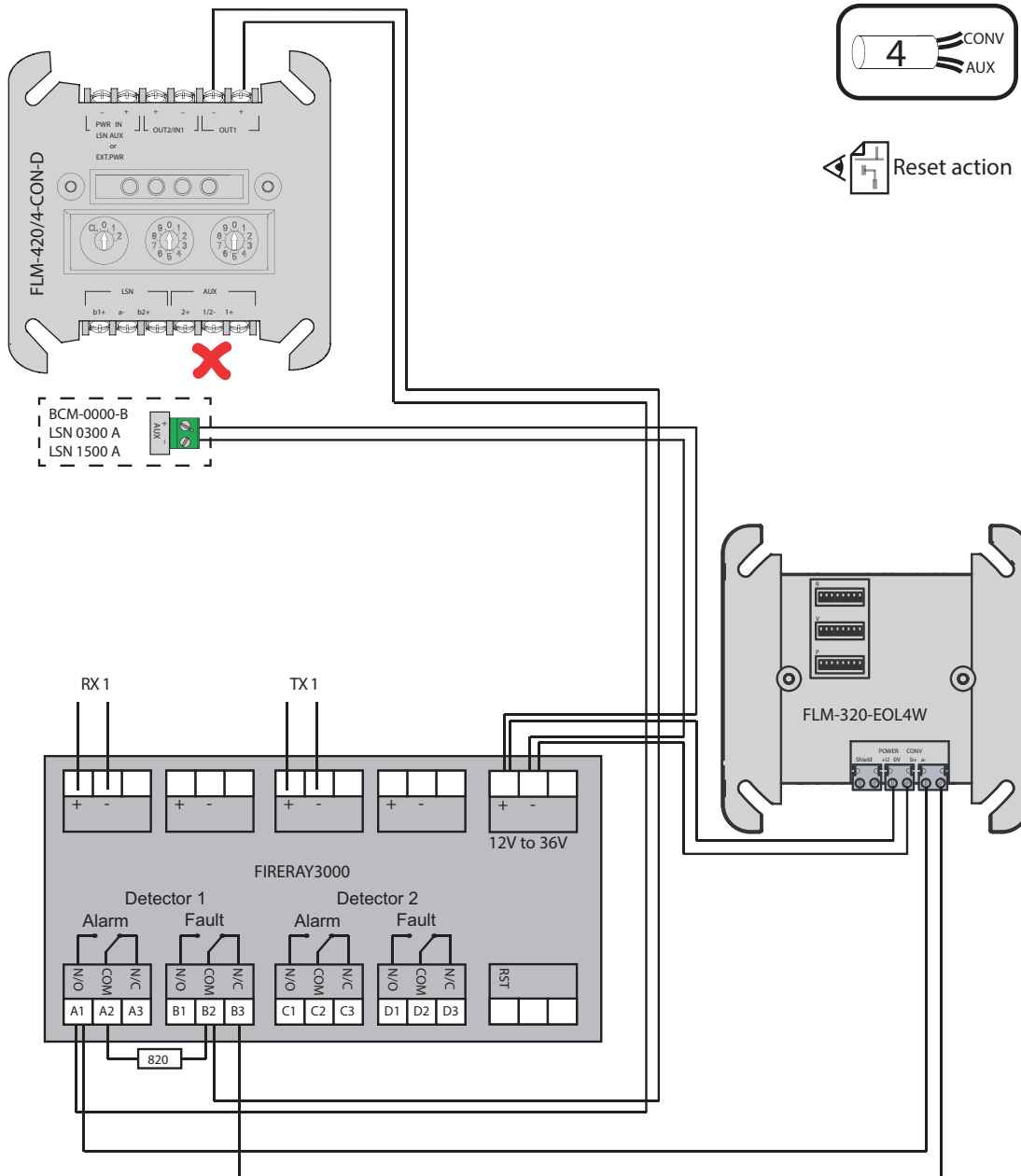
FIRERAY3000

1 x



ELS

VdS 2489





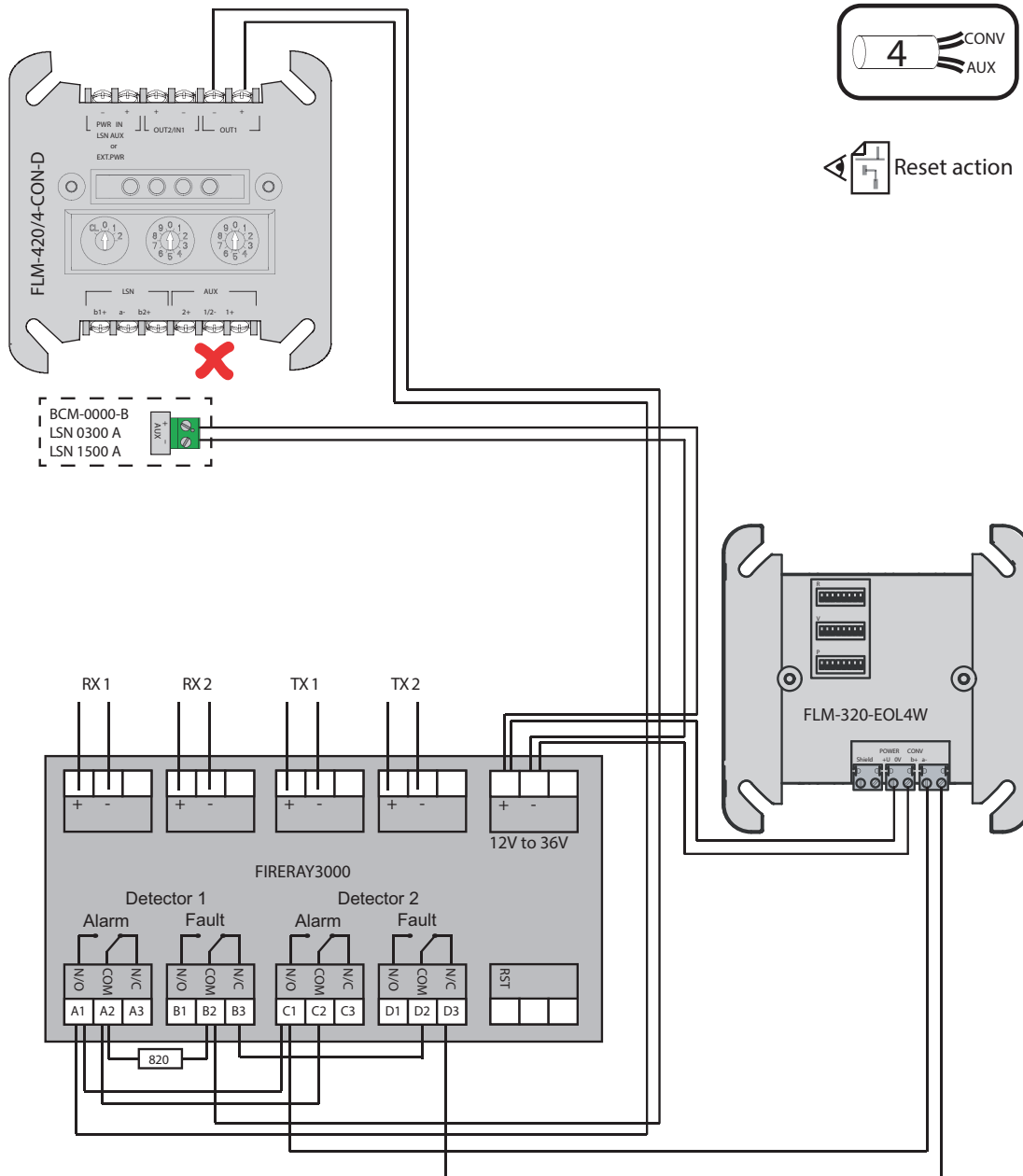
FIRERAY3000

2 x 1



ELS

VdS 2489





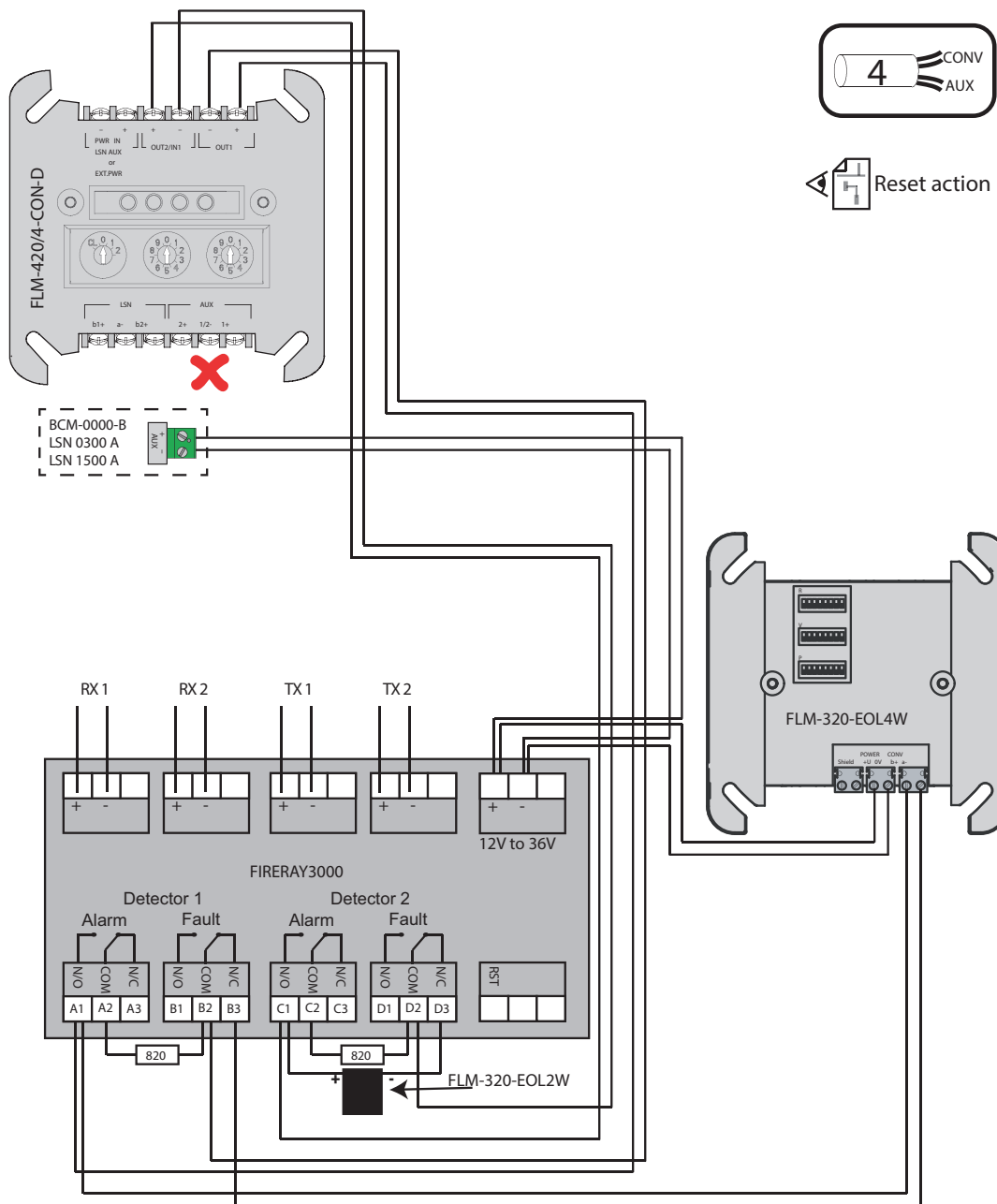
FIRERAY3000

2 x 1+2



ELS

VdS 2489





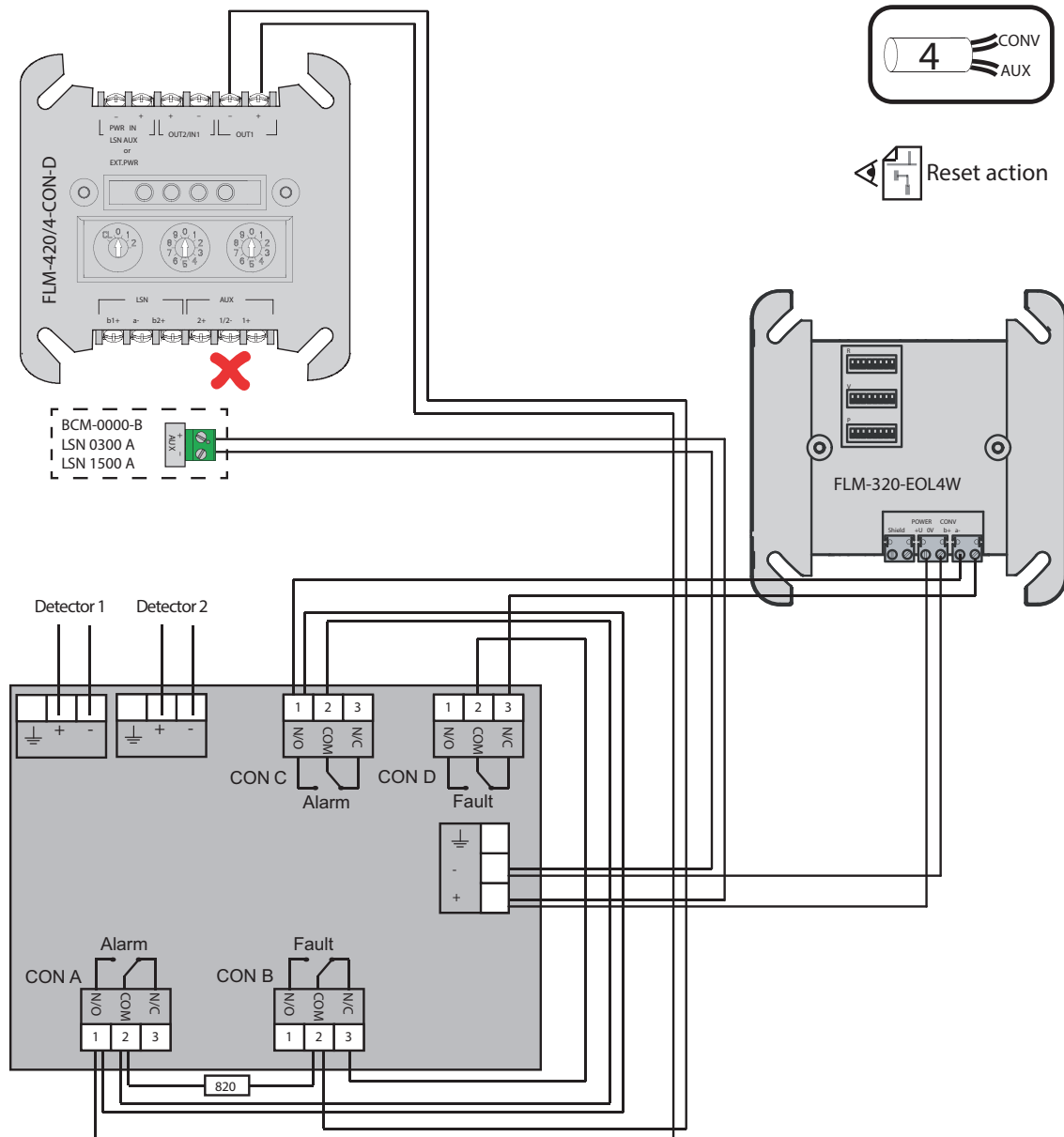
FIRERAY5000

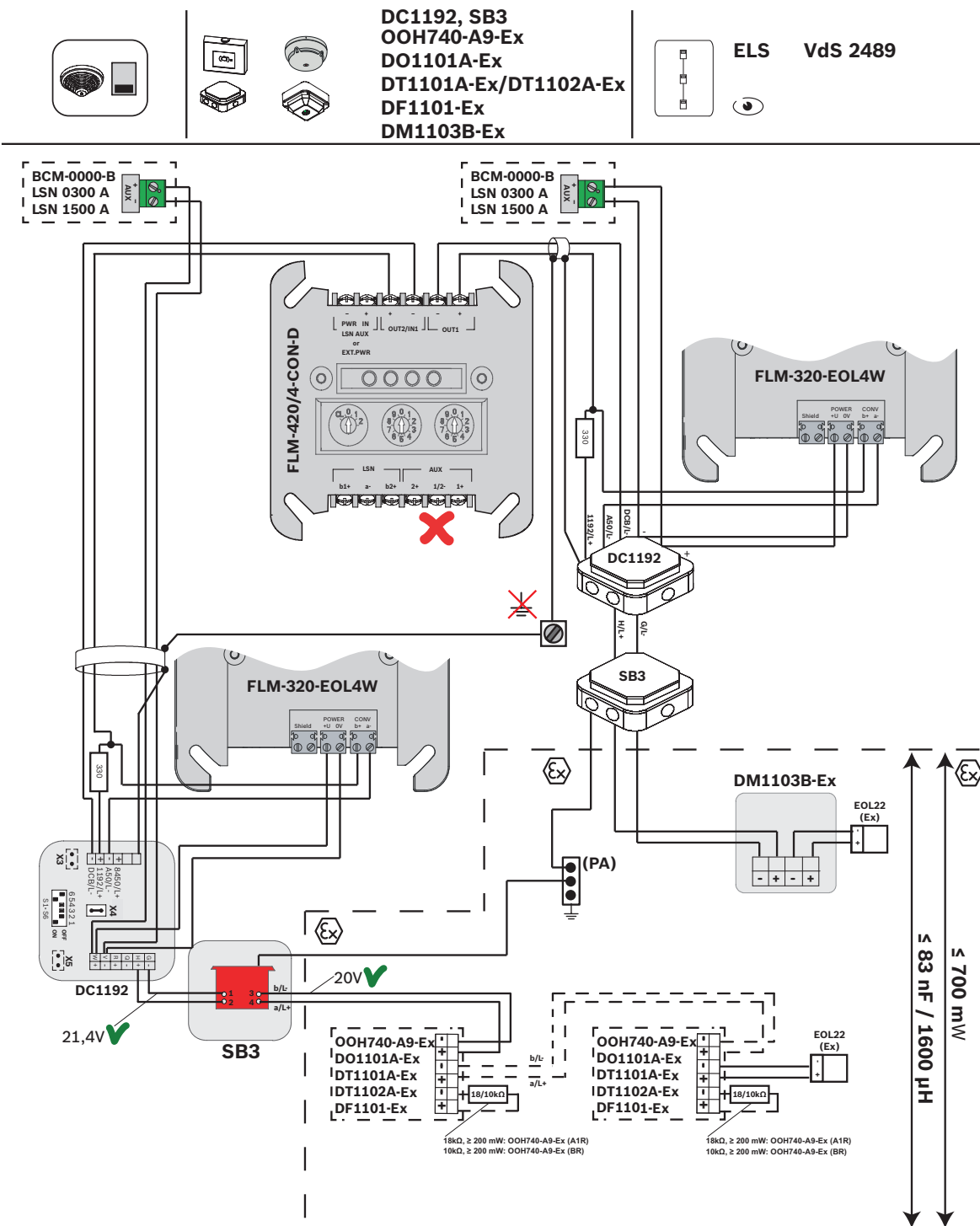
2 x OUT1

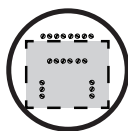


ELS

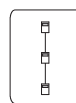
VdS 2489



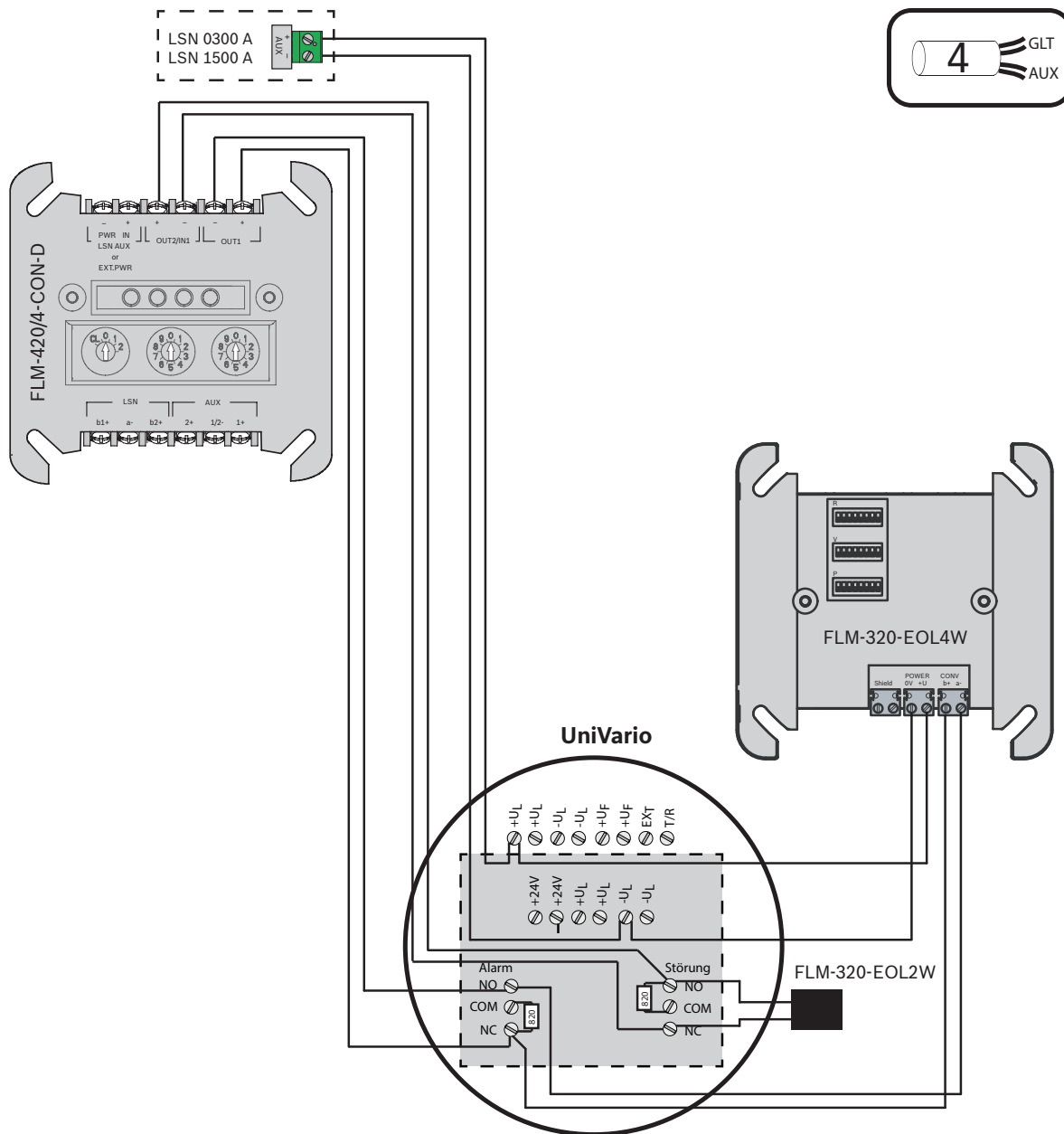




UniVario WMX5000
UniVario FMX5000
UniVario KMX5000



ELS VdS 2489



Targymutato

Számjegyek

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FLM-420/4-CON-D (EOL)	240, 241

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2014/2 GLU-Ex ->

FLM-420/4-CON-D	155
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FLM-420-RHV	33, 34

838 ->

FAA-MSR 420	23, 24
FLM-420-RHV	33, 34

858 ->

FAA-MSR 420	23, 24
FLM-420-RHV	33, 34

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ADW 535-2 ->

FLM-420/4-CON-D (EOL)	224
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ASD 535-1 ->

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ASD 535-2 ->

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FAA-420-RI-DIN 159

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FLM-420/4-CON-D 159

DF1101-A-EX ->

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DIBT

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837 -> FLM-420-RHV 33, 34

838 -> FAA-MSR 420 23, 24

838 -> FLM-420-RHV 33, 34

858 -> FAA-MSR 420 23, 24

858 -> FLM-420-RHV 33, 34

BTS 80 EMB -> FAA-MSR 420 25, 26

BTS 80 EMB -> FLM-420-RHV 35, 36

BTS 80 FLB -> FAA-MSR 420 25, 26

BTS 80 FLB -> FLM-420-RHV 35, 36

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ED 100 -> FLM-420-RHV 31, 32

ED 250 -> FAA-MSR-420 21, 22

ED 250 -> FLM-420-RHV 31, 32

GT 40 R -> FAA-MSR 420 23, 24

GT 40 R -> FLM-420-RHV 33, 34

GT 42 R -> FAA-MSR 420 23, 24

GT 42 R -> FLM-420-RHV 33, 34

GT 50 R -> FAA-MSR 420 23, 24

GT 50 R -> FLM-420-RHV 33, 34

GT 60 R -> FAA-MSR 420 23, 24

GT 60 R -> FLM-420-RHV 33, 34

GT 63 R -> FAA-MSR 420 23, 24

GT 63 R -> FLM-420-RHV 33, 34

GT 70 R -> FAA-MSR 420 23, 24

GT 70 R -> FLM-420-RHV 33, 34

GT 70 R 050.01 Ex -> FAA-MSR 420 23, 24

GT 70 R 050.01 Ex -> FLM-420-RHV 33, 34

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Slimdrive EMD-F -> FLM-420-RHV 37, 38

Slimdrive EMD-F-IS -> FAA-MSR-420 27, 28

Slimdrive EMD-F-IS -> FLM-420-RHV 37, 38

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TS 4000 E -> FLM-420-RHV 39, 40

TS 4000 EFS -> FAA-MSR-420 29, 30

TS 4000 EFS -> FLM-420-RHV 39, 40

TS 4000 E-IS -> FAA-MSR-420 29, 30

TS 4000 E-IS -> FLM-420-RHV 39, 40

TS 5000 E -> FAA-MSR-420 29, 30

TS 5000 E -> FLM-420-RHV 39, 40

TS 5000 E-IS -> FAA-MSR-420 29, 30

TS 5000 E-IS -> FLM-420-RHV 39, 40

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TS 5000 E-ISM -> FLM-420-RHV 39, 40

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TS 93 EMF -> FAA-MSR 420 25, 26

TS 93 EMF -> FLM-420-RHV 35, 36

TS 93 GSR/EMF1 -> FAA-MSR 420 25, 26

TS 93 GSR/EMF1 -> FLM-420-RHV 35, 36

TS 93 GSR/EMF2 -> FAA-MSR 420 25, 26

TS 93 GSR/EMF2 -> FLM-420-RHV 35, 36

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		DF1101-A-EX -> FLM-420/4-CON-D	248
		DM 1103B-X -> FLM-420/4-CON-D	248
		DO1101-A-EX -> FLM-420/4-CON-D	248
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