

Centrale incendie modulaire

FPA-5000

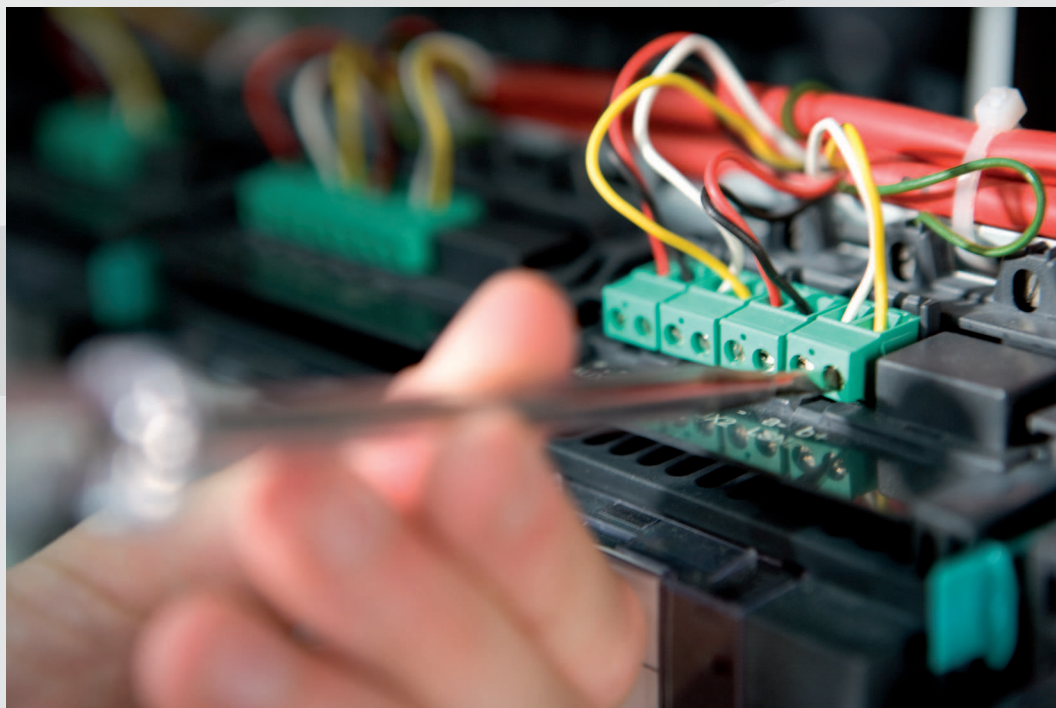


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1 History

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 Notes

2.1 Contenu

Ce guide de câblage décrit la connexion entre les périphériques et la centrale incendie. Les périphériques qui ne sont plus inclus dans la gamme de produits sont traités dans la "Part 2 - Discontinued Products" du guide de câblage.

**Remarque!**

Les connexions présentées dans ce document s'appliquent également à la Centrale incendie FPA-1200, à condition que les différents composants soient des extensions de la Centrale incendie FPA-1200 agréées par Bosch Sicherheitssysteme GmbH.

**Remarque!**

Les connexions LSN 0300 A présentées dans ce document s'appliquent également au module LSN 1500 A.

2.2 Fiche produit

- Le manuel d'installation joint contient les instructions d'installation des composants individuels de la centrale incendie.

2.3 Important

- Utilisez uniquement le matériel d'installation recommandé par Bosch Security System.
- Portez toujours un bracelet antistatique mis à la terre pour effectuer des travaux de conversion ou de soudure.
- Seul le personnel formé est habilité à l'assemblage et à l'installation.
- Observez les critères de connexion des autorités / institutions régionales.

**Danger!**

Tout contact avec des composants sous tension présente un danger de mort. Débranchez l'alimentation avant de procéder à l'installation.

**Remarque!**

Si un fil blindé du câble LSN doit être connecté, procédez conformément aux spécifications LSN.

- Connectez le fil blindé du câble LSN sur le côté de la centrale au connecteur de terre fonctionnelle désigné. Le blindage des deux côtés (début et fin) de la boucle doit être connecté à la centrale
- Mettez en boucle le blindage de câble au niveau de tous les dispositifs LSN à l'aide des bornes fournies
- Aucune connexion supplémentaire du blindage de câble LSN n'est autorisée, ni aux connecteurs de terre où qu'ils se trouvent ni à aucune autre source électrique

2.4 Notes pour l'utilisateur

Le guide de câblage est structuré comme suit :

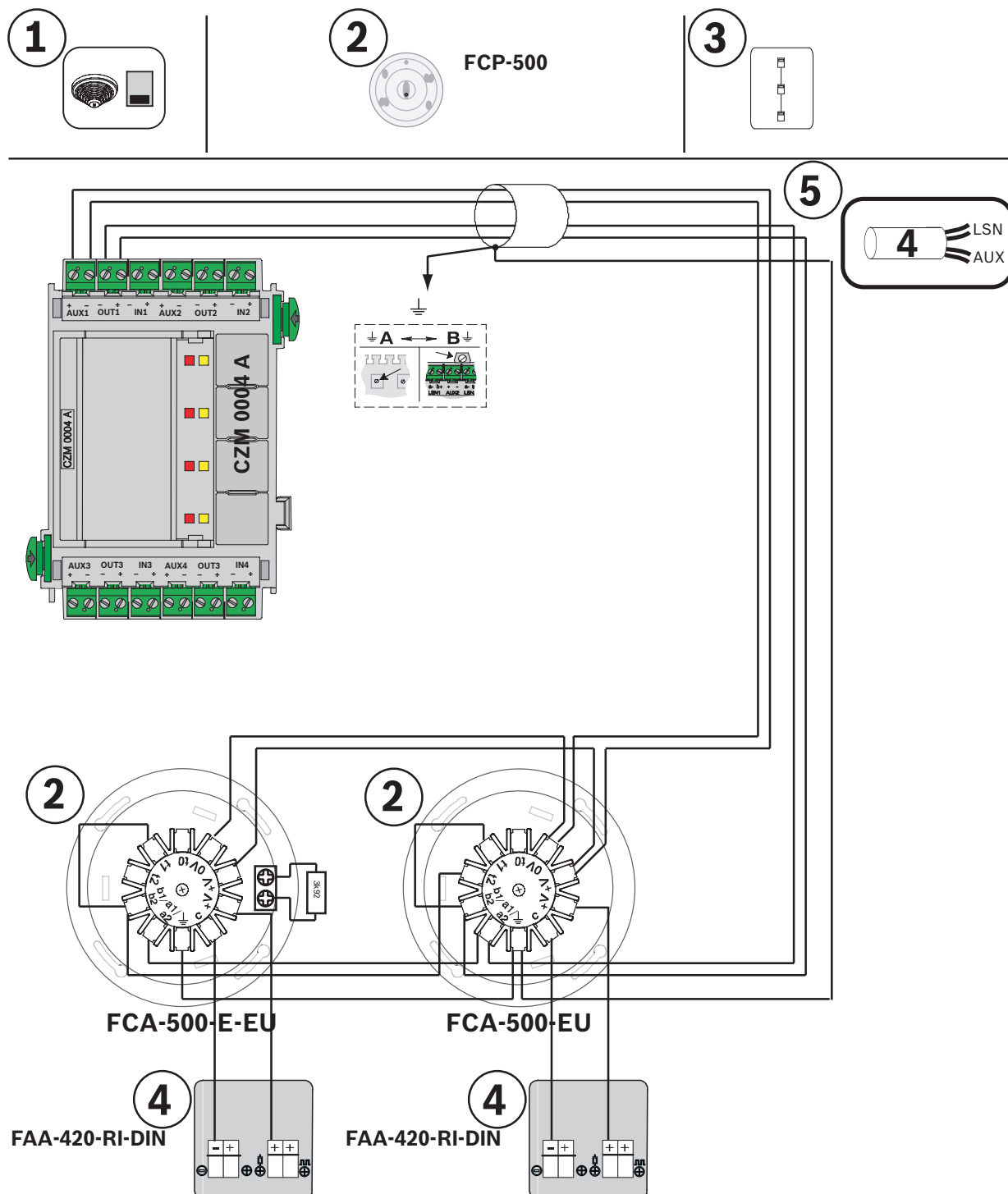
- Le chapitre *Câblage*, Page 18 comporte une partie pour chaque dispositif auquel est connecté un périphérique. Un schéma de câblage illustre la connexion directe entre les périphériques (aucune connexion en cascade). Le blindage n'est généralement pas représenté dans les schémas de câblage. L'exemple de câblage ci-dessous présente le blindage.

- Un récapitulatif de tous les câblages enrichis de modules EOL supplémentaires pour la surveillance ouverte progressive figure dans la section EOL.

Pour trouver le câblage requis, vous pouvez aussi utiliser :

- la table des matières au début du chapitre *Câblage*, Page 18 et au début des sections *Modules fonctionnels*, Page 48, *Modules d'interface*, Page 136 et EOL.
- l'Index (abstraction de la langue),
- et la recherche de texte intégrale.

Consultez le suivant schéma de câblage :



1	Marques de chapitre (<i>Marques de chapitre, Page 14</i>)
2	Périphérique connectable
3	Symboles de connexion (<i>Symboles de connexion, Page 14</i>)
4	Composants optionnels
5	Alimentation et câblage (<i>Alimentation et câblage, Page 15</i>)

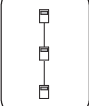
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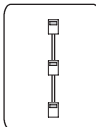
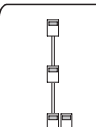
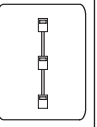
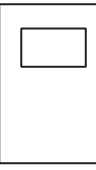
– EOL, Page 180

2.4.1 Marques de chapitre

	Détecteurs auto.		Panneaux de commande et d'affichage		Imprimante
	Alimentation		Modules fonctionnels		Équipement de détection d'incendie
	Coupleurs		Systèmes d'extinction		Déclencheurs manuels d'alarme incendie
	Dispositifs de signalisation		Commandes de portes		Unités de transmission
	Fonctionnement en réseau				

2.4.2 Symboles de connexion

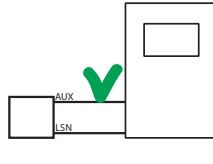
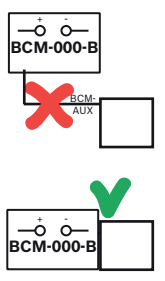
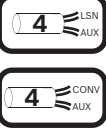
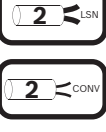
 	Connexion surveillée/non surveillée d'un périphérique conventionnel ou circuits de dispositif de notification conventionnels surveillés/non surveillés. (Résistance de fin de ligne dans CZM 0004 A, FLM-420-NAC-D/S, NZM 0002 A, la connexion RMH 0002 A ou les connexions à contact sec avec module d'interface.)	 	Dans cette connexion de périphérique conventionnel, il est possible de connecter une ligne de feedback. / Le symbole barré signifie qu'une ligne de feedback n'est pas nécessaire ou recommandée. (connexions FLM-420-RHV, FLM-420-RLE-S, RMH 0002 A) Une ligne d'entrée peut aussi être utilisée comme ligne de feedback (FLM-420-I8R1, FLM-420-I2, FLM-420-O8I2, FLM-420-O1I1...).		Redondance
	Câblage en boucle		Câblage en boucle avec élément redondant		Câblage en tronçon

	Câblage en tronçon redondant		Câblage en tronçon avec élément redondant		Câblage en tronçon redondant avec élément redondant
ELS	Ce câblage est conforme à la norme VdS 2543. ELS est l'abréviation de supervision de ligne étendue, qui signifie la surveillance de circuit court progressif et surveillance ouverte progressive. Ce câblage propose ELS. Un récapitulatif de tous les câblages enrichis de modules EOL supplémentaires pour la surveillance ouverte progressive figure dans le chapitre EOL. Un circuit court progressif est détecté par les modules suivants : LSN 0300 A, LSN 1500 A et BCM-0000-B lors de l'utilisation de FPP-5000-TI13.		Ce câblage en boucle est conforme à la norme VdS 2543. Il propose ELS. Aucun module EOL n'est nécessaire.		Synchronisation
	Lieux présentant un risque d'explosion		Centrale		Centrale autonome
	Centrale autonome avec redondance		Non autorisé		Pour les socles de détecteur : Le câblage est valable uniquement pour le socle de détecteur dans lequel ce dernier est installé.
-----	Câblage optionnel	_____	Câblage obligatoire	EN 54-2, DIBT etc.	Si la conformité à cette norme est requise, utilisez le câblage spécifié.

2.4.3 Alimentation et câblage



Alimentation électrique supplémentaire

	Alimentation via la centrale L'alimentation peut être séparée de l'élément.
	Alimentation via la centrale / un bloc d'alimentation externe L'élément est alimenté par un module BCM-000-B. L'élément doit être encastré avec le boîtier du produit contenant le module BCM-000-B.
	Le câblage est une connexion à 4 fils. Sinon, il s'agit d'une connexion à 2 fils.
	Le câblage est une connexion à 2 fils.
	Consultez le câblage dans le présent manuel.
	Consultez la documentation technique relative au périphérique connecté.

2.5

Valeurs de résistance

Le tableau suivant présente un aperçu des codes de couleur des résistances. Les résistances avec film métallique livrées avec le produit possèdent 5 bandes colorées indiquant la valeur de la résistance.

Couleur	1. bande	2. bande	3. bande	4. bande (multiplicateur)	5. bande (tolérance)
Argenté				10^{-2}	$\pm 10\%$
Doré				10^{-1}	$\pm 5\%$
Noir		0	0	10^0	
Marron	1	1	1	10^1	$\pm 1\%$
Rouge	2	2	2	10^2	$\pm 2\%$
Orange	3	3	3	10^3	$\pm 0.05\%$
Jaune	4	4	4	10^4	$\pm 0.02\%$
Vert	5	5	5	10^5	$\pm 0.5\%$
Bleu	6	6	6	10^6	$\pm 0.25\%$

Couleur	1. bande	2. bande	3. bande	4. bande (multiplicateur)	5. bande (tolérance)
Violet	7	7	7	10^7	$\pm 0.1\%$
Gris	8	8	8	10^8	$\pm 0.01\%$
Blanc	9	9	9	10^9	

Conformément à la norme DIN EN 60062:2017

Orange — blanc — noir — marron — marron : résistance de 3,9 kohms avec tolérance de 1 %,

Rouge — rouge — noir — marron — marron : résistance de 2,2 kohms avec tolérance de 1 %.

3 Câblage



FPP-5000 alimentation, Page 19

DIBT, Page 21

Modules fonctionnels, Page 48

BCM-0000-B, Page 49

CZM 0004 A, Page 51

ENO 0000 A/B, Page 55

LSN 0300 A, Page 62

NZM 0002 A, Page 97

RMH 0002 A, Page 113

IOS 0020 A, Page 116

FPE-5000-UGM, Page 131

Modules d'interface, Page 136

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

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

FLM-420-RLE-S, Page 175

FLM-420-RLV1-E, Page 176

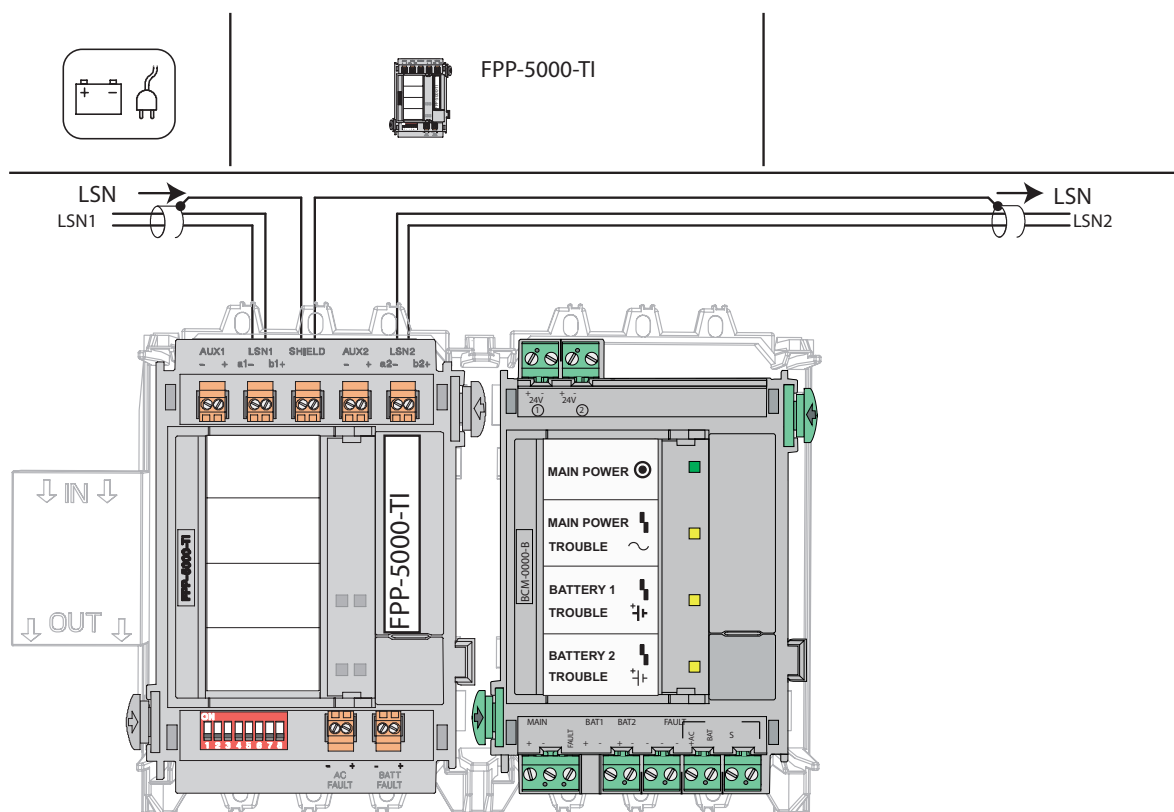
FLM-420-RLV8-S, Page 177

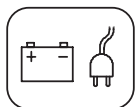
EOL, Page 180

LSN 0300 A, Page 181

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

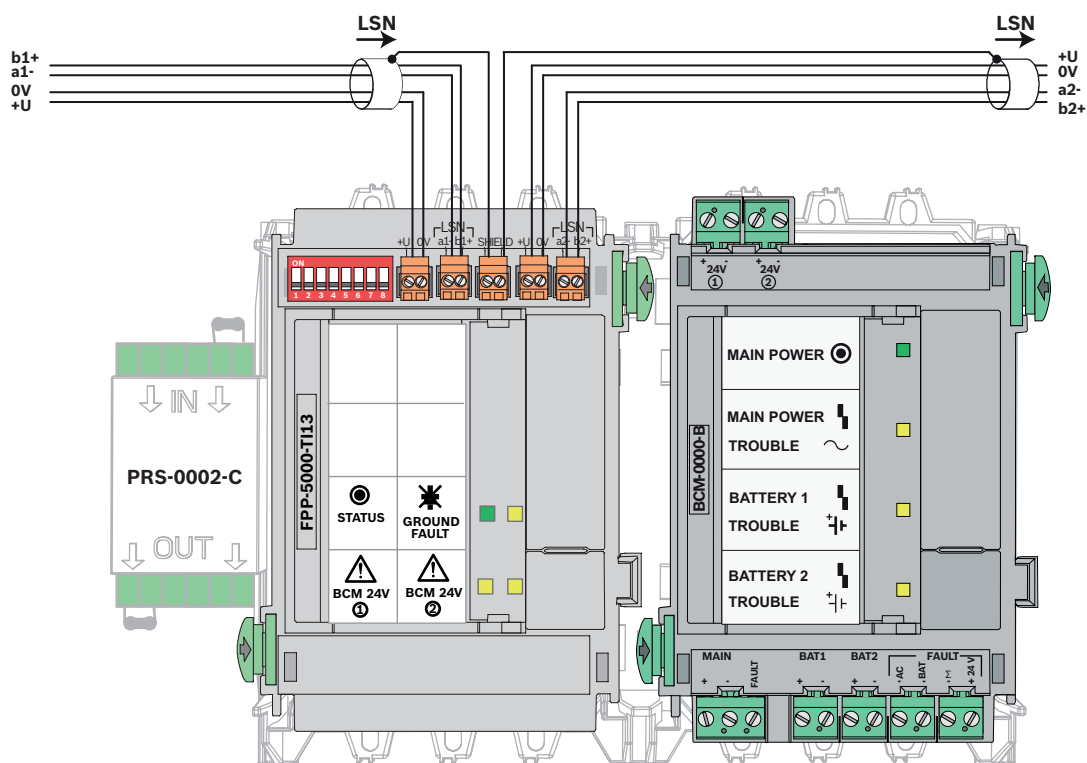
3.1 FPP-5000 alimentation





FPP-5000-Ti13

ELS VdS 2489



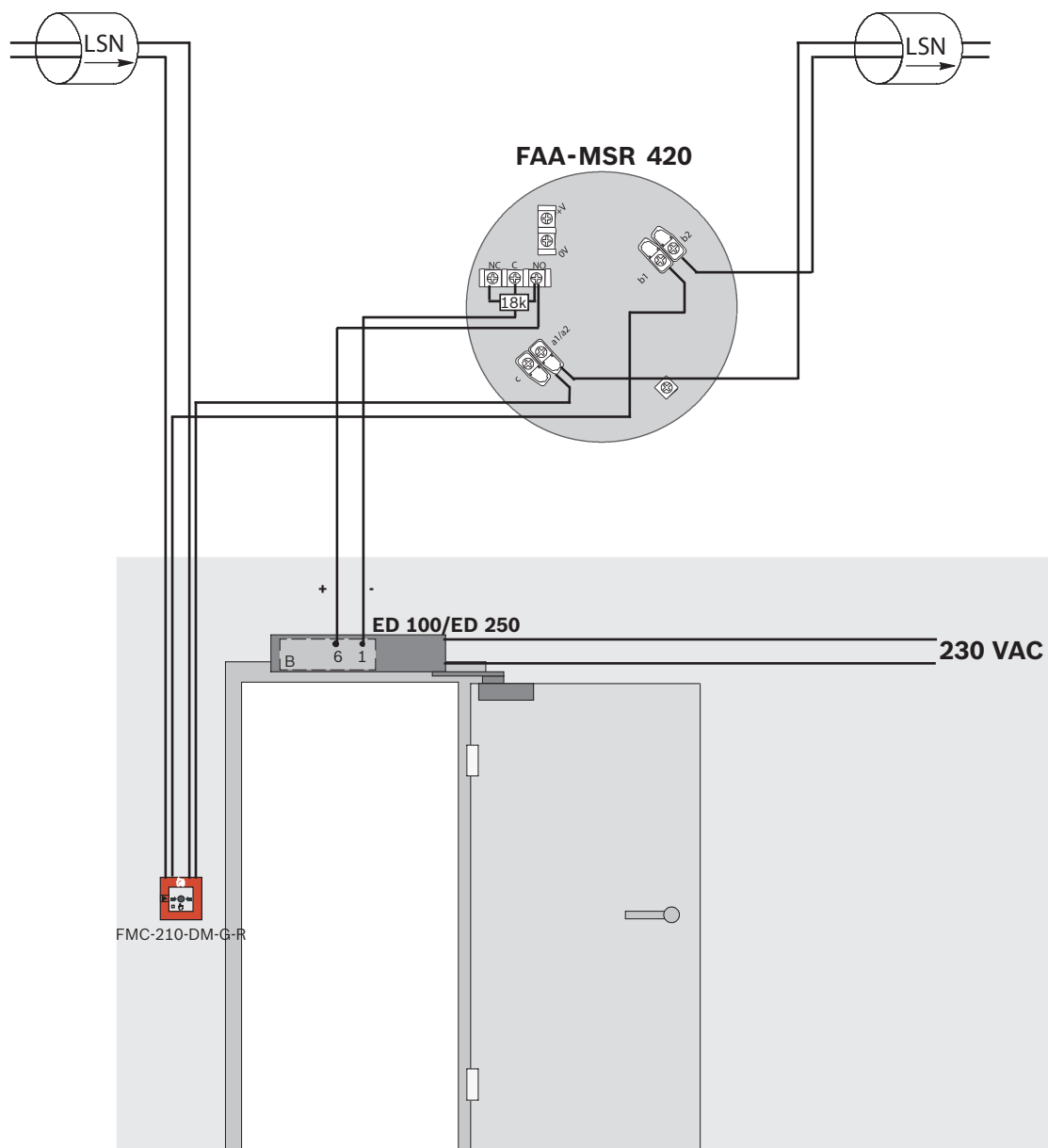
3.2

DIBT



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

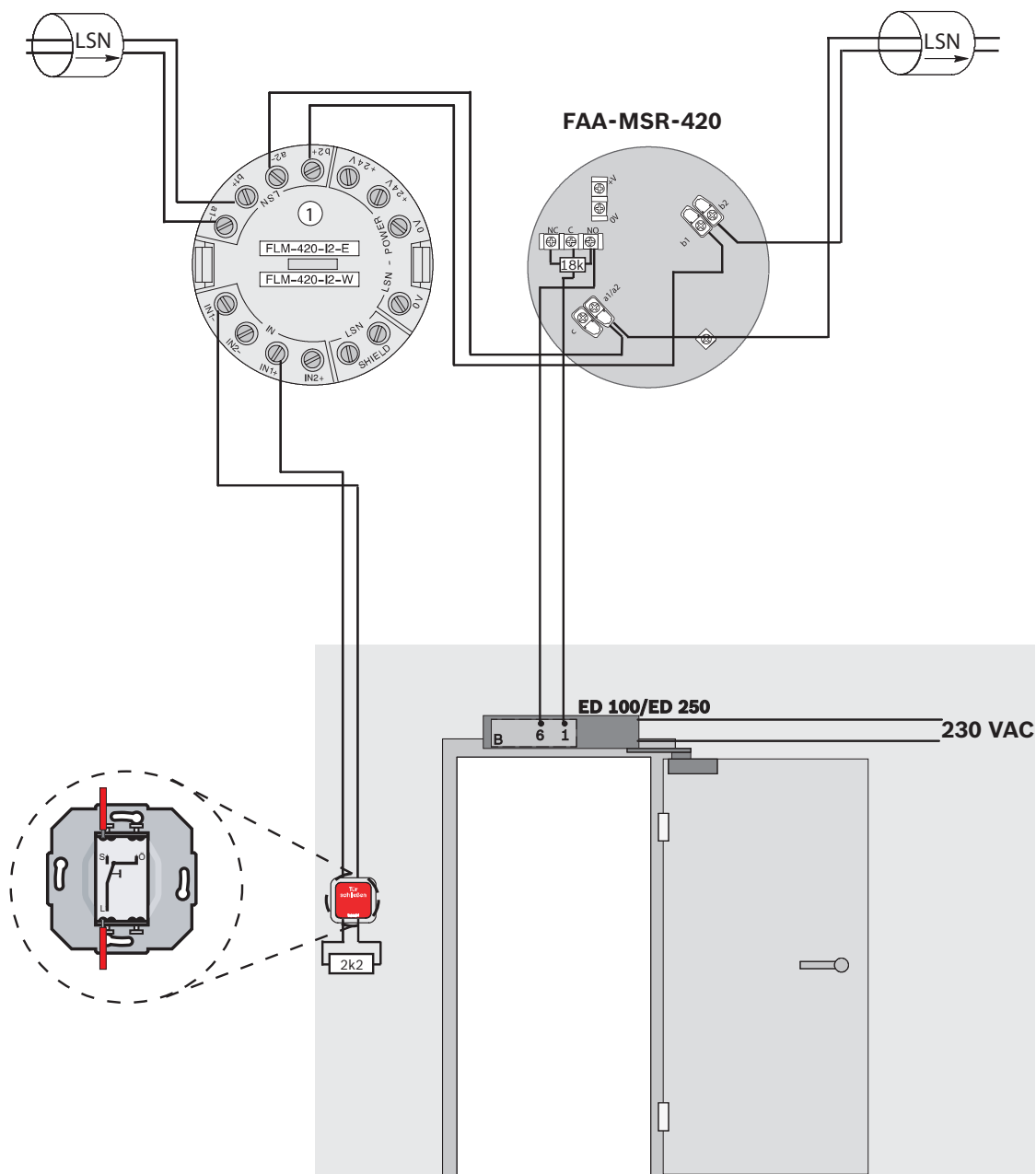
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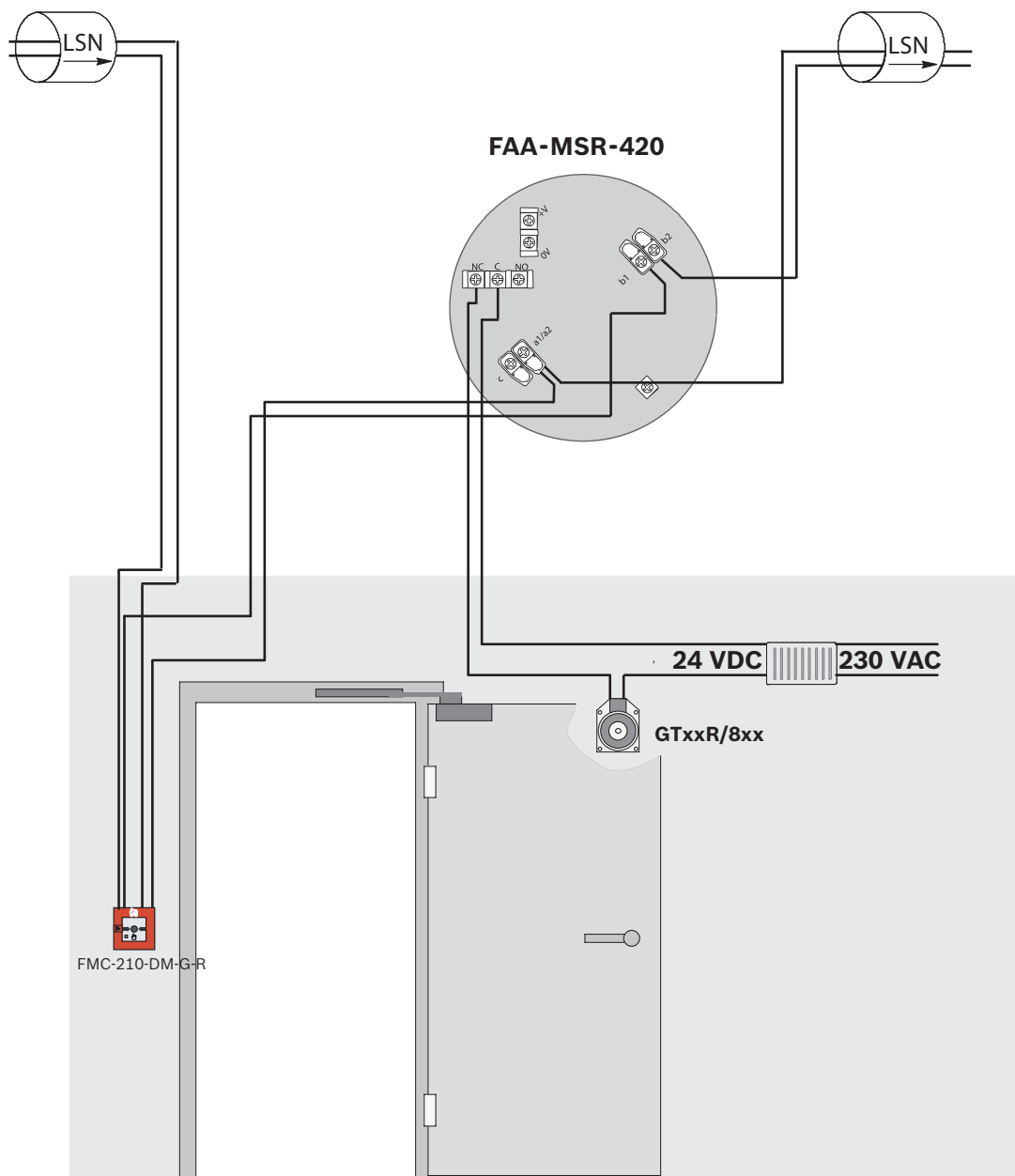
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ED 250
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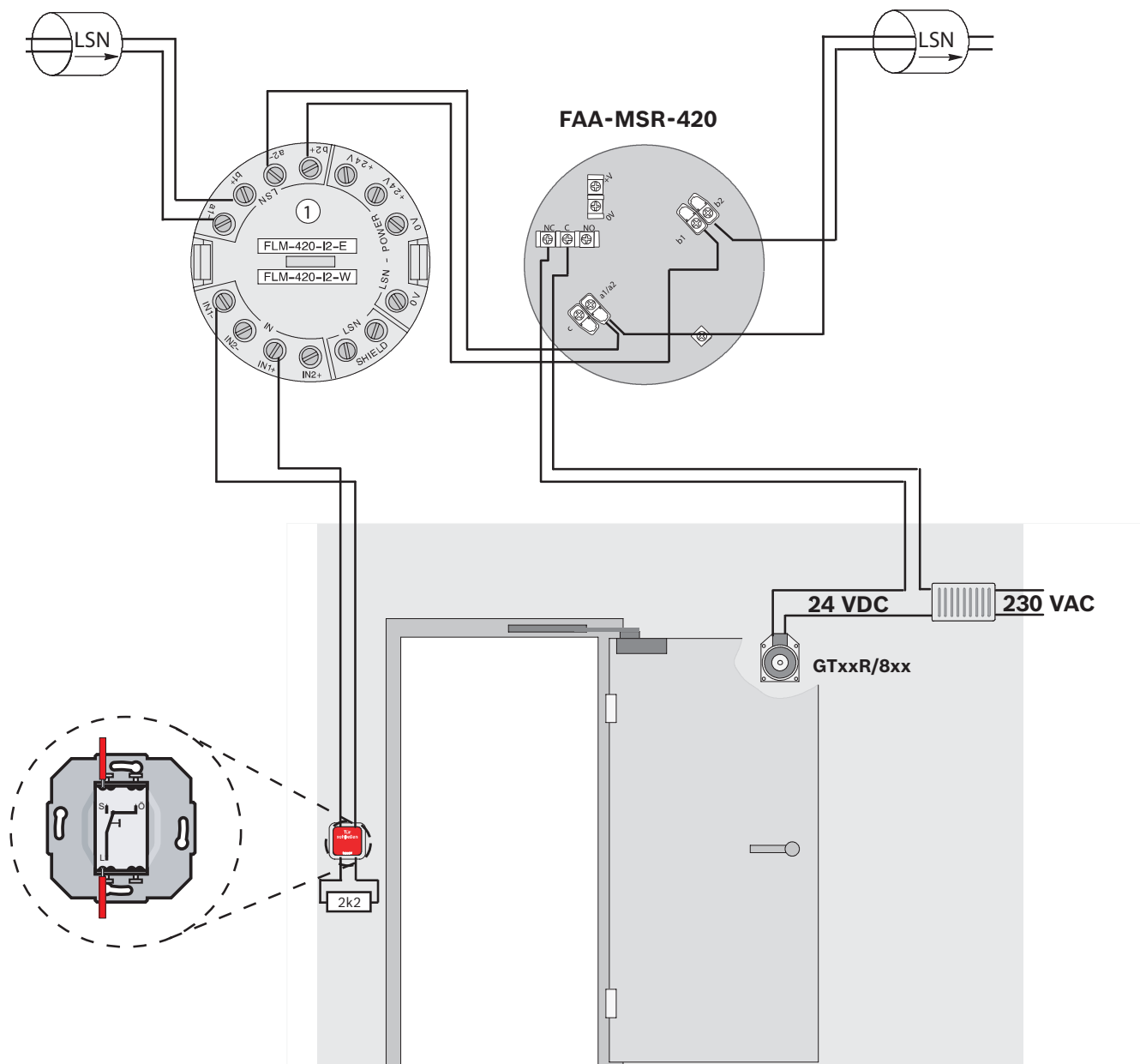
DIBT





DIBT

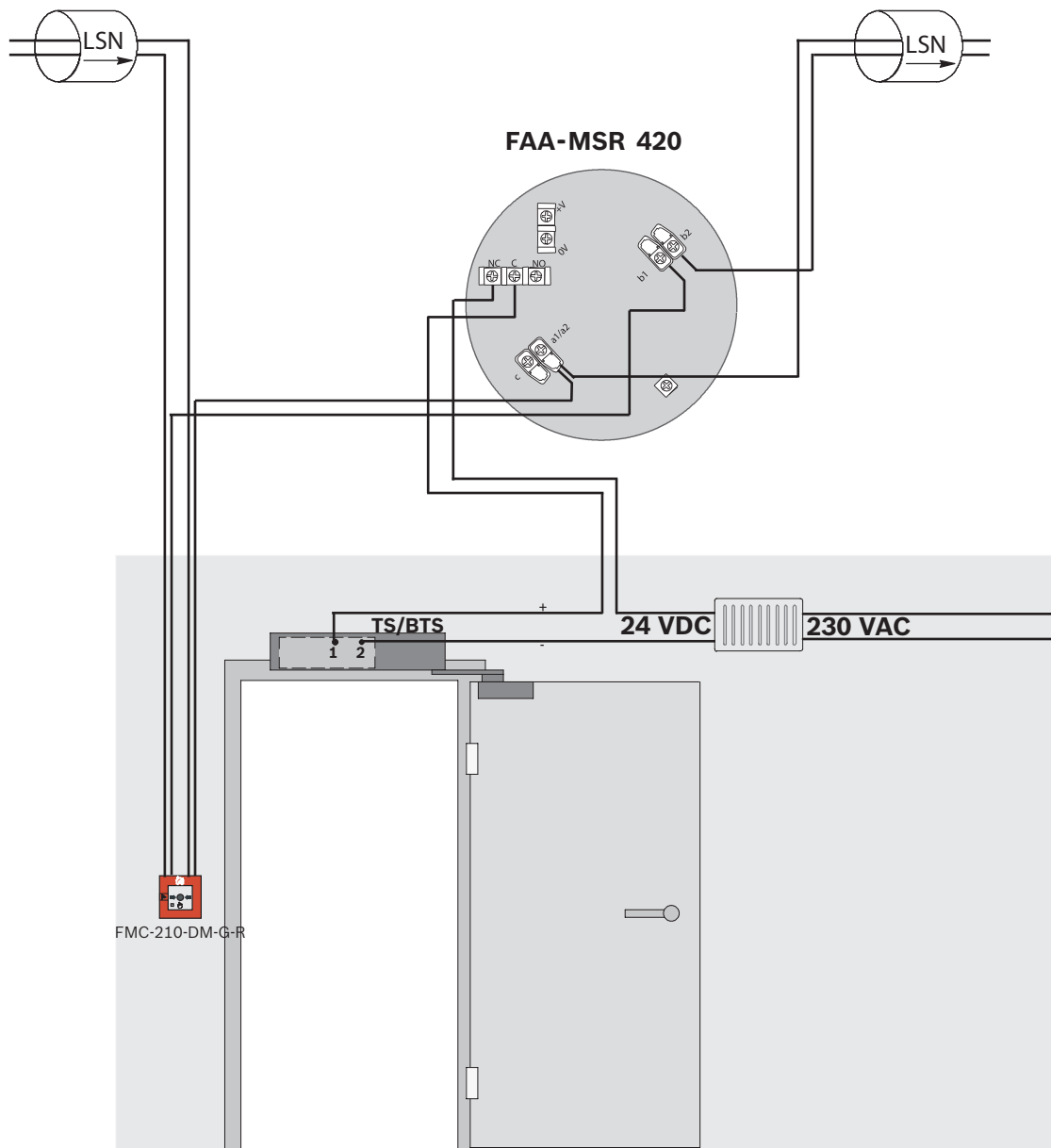


**DIBT**



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

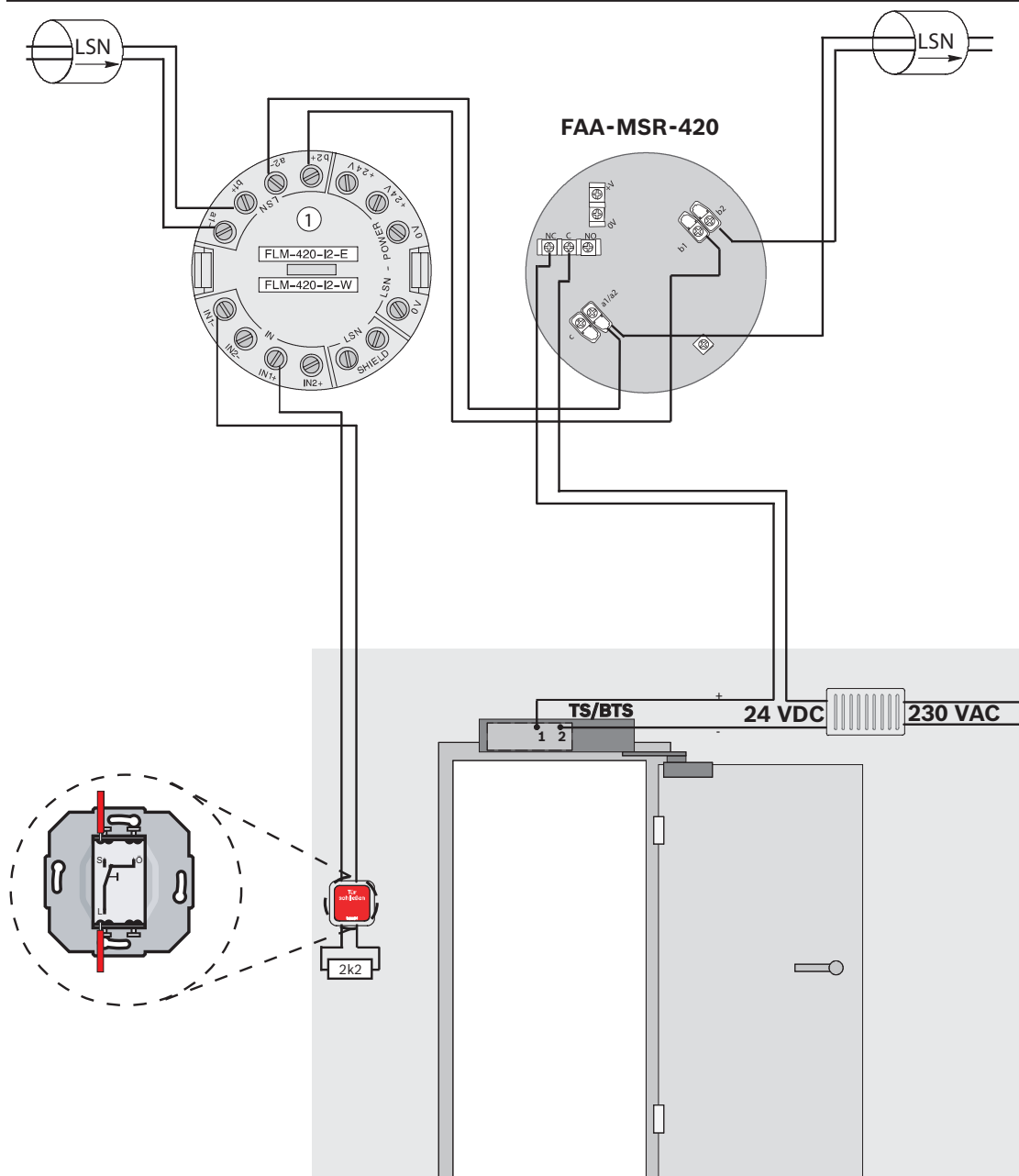
DIBT





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

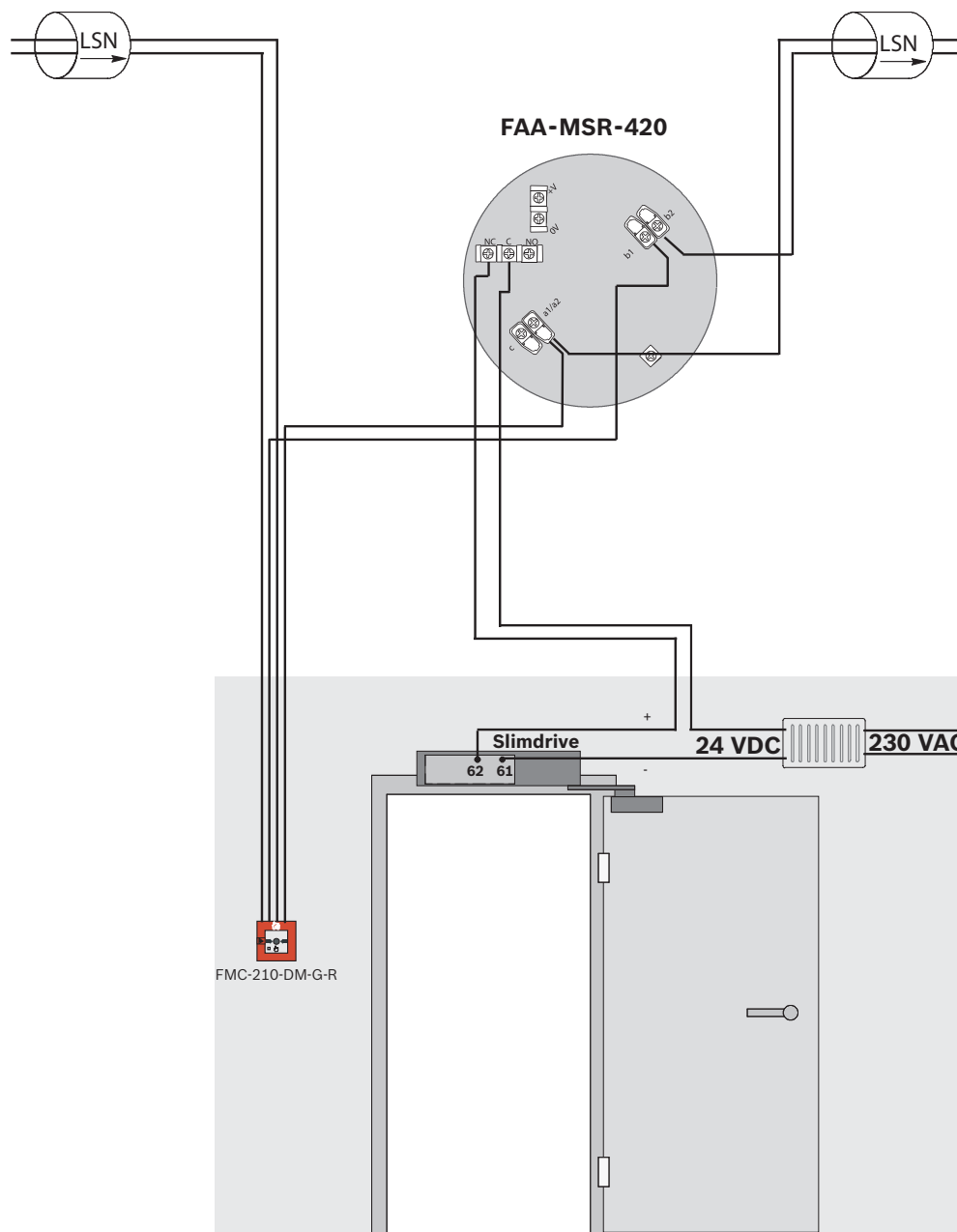
DIBT





Slimdrive EMD-F/EMD F-IS

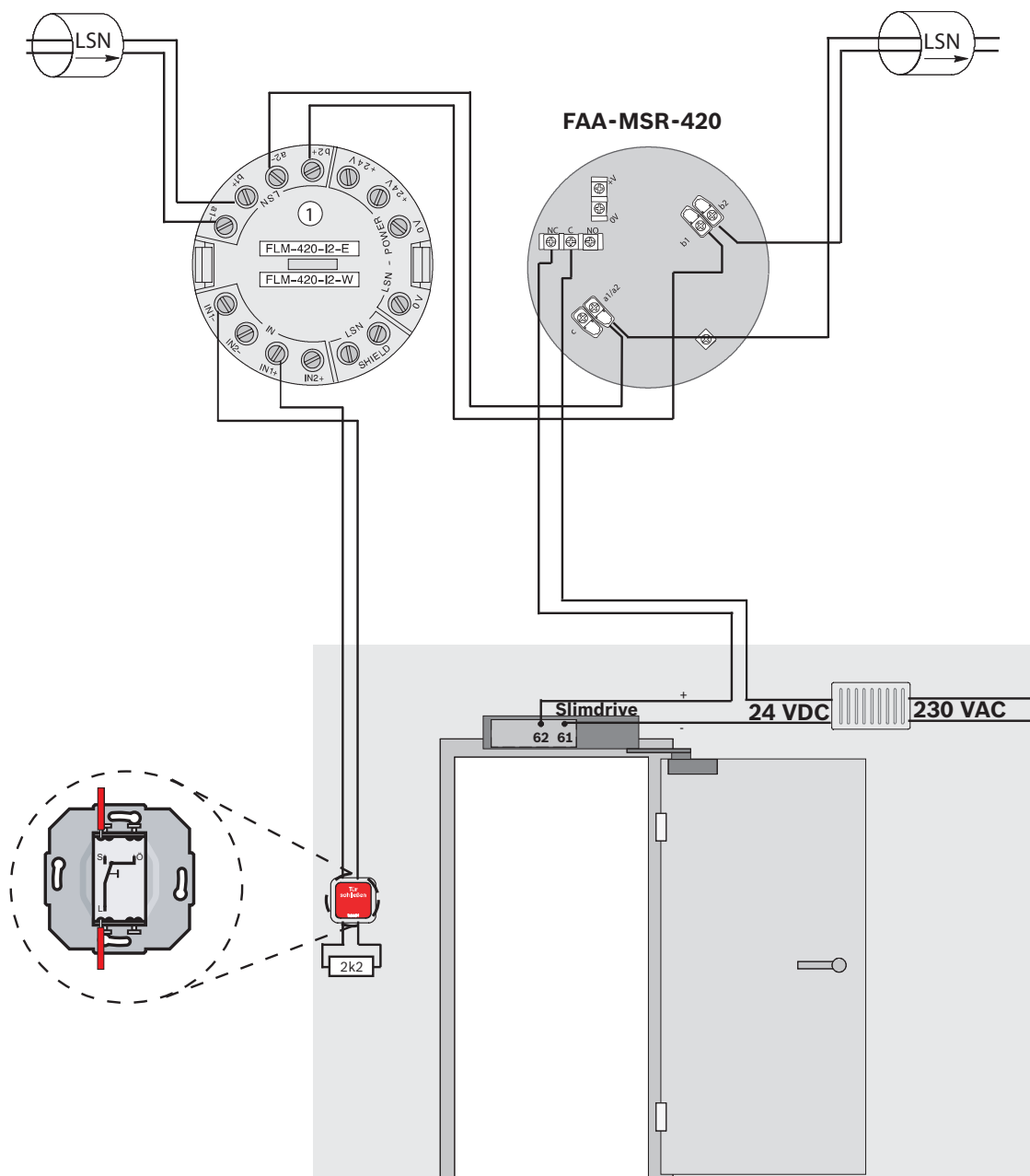
DIBT





Slimdrive EMD-F/EMD F-IS

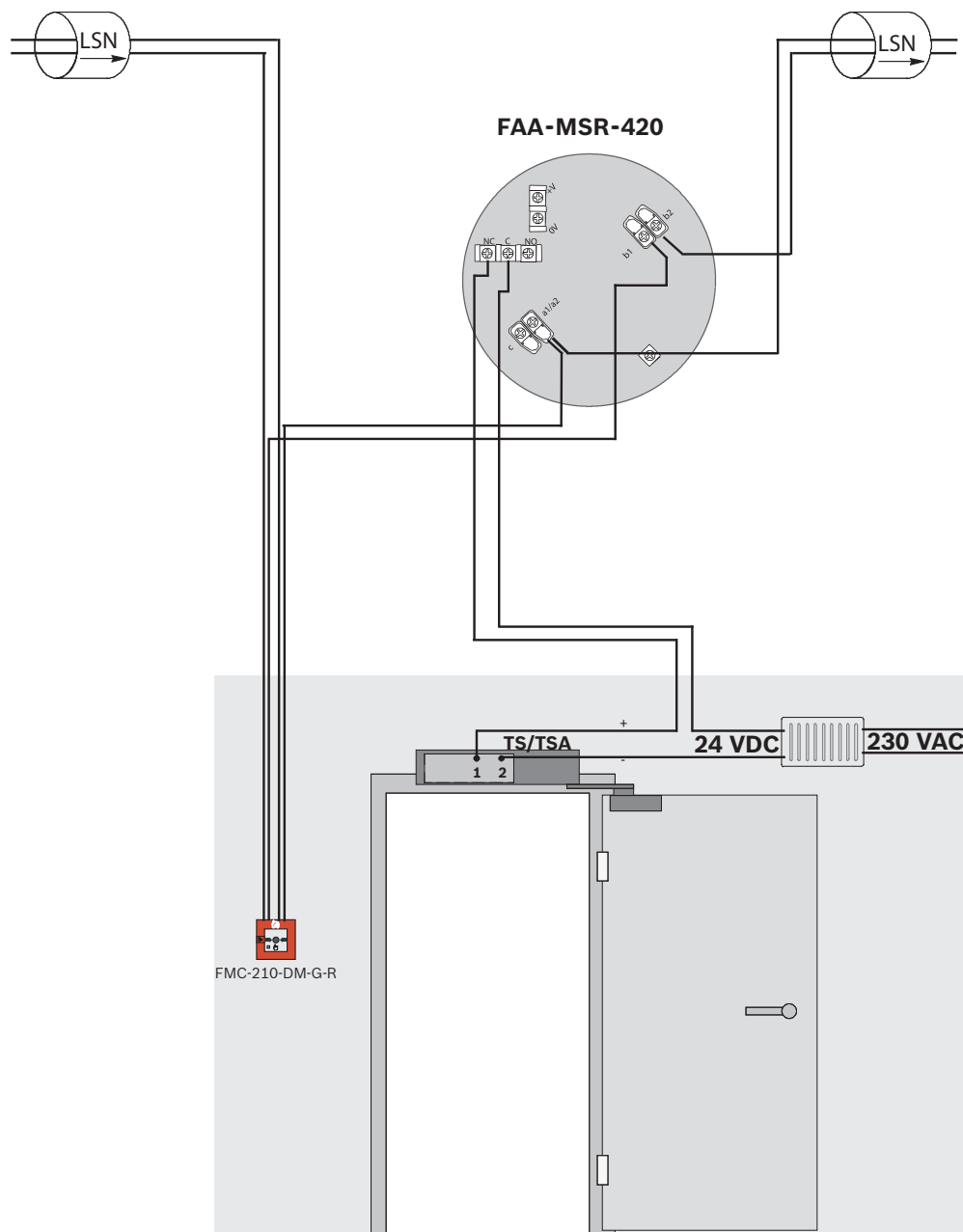
DIBT





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

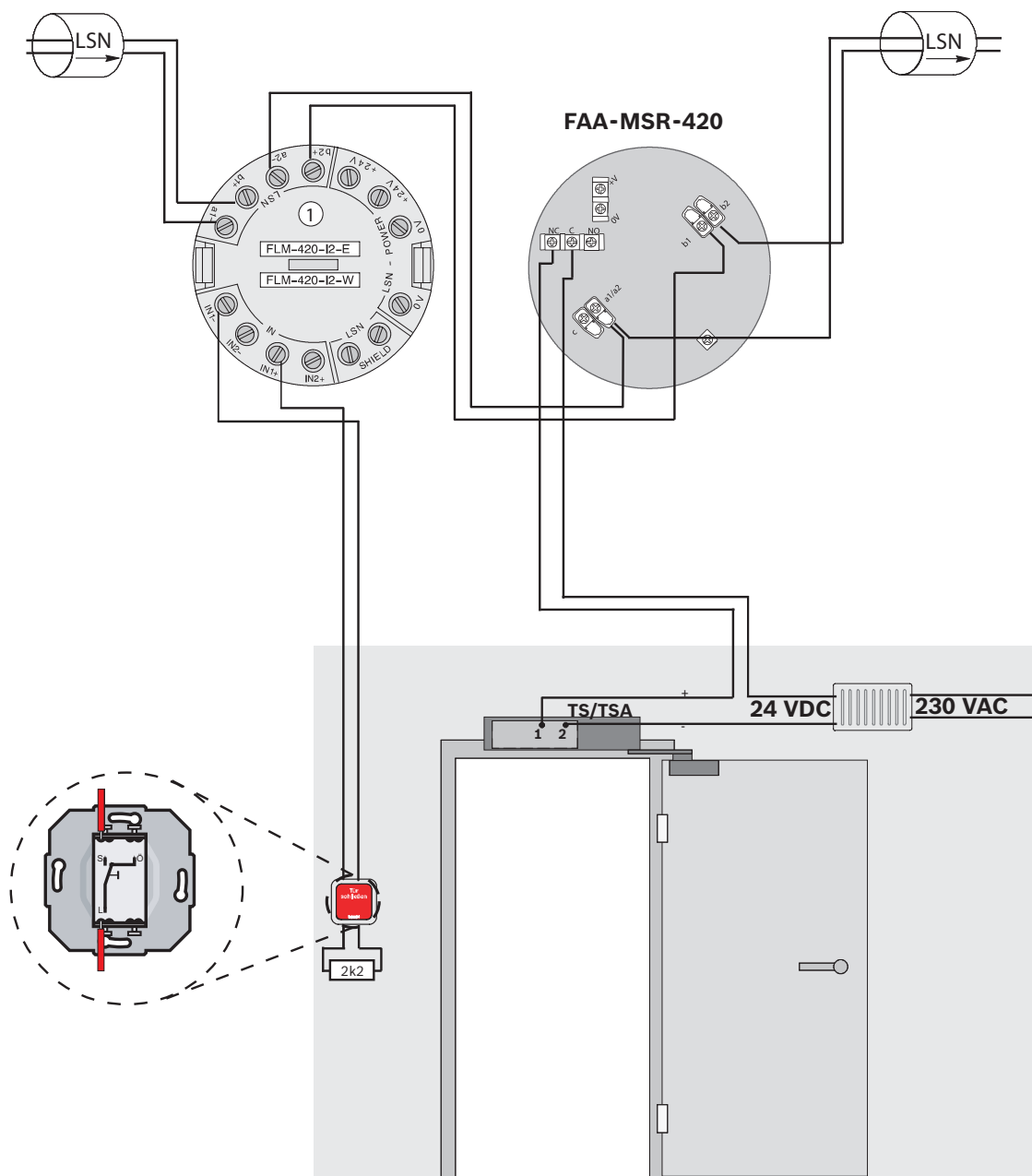
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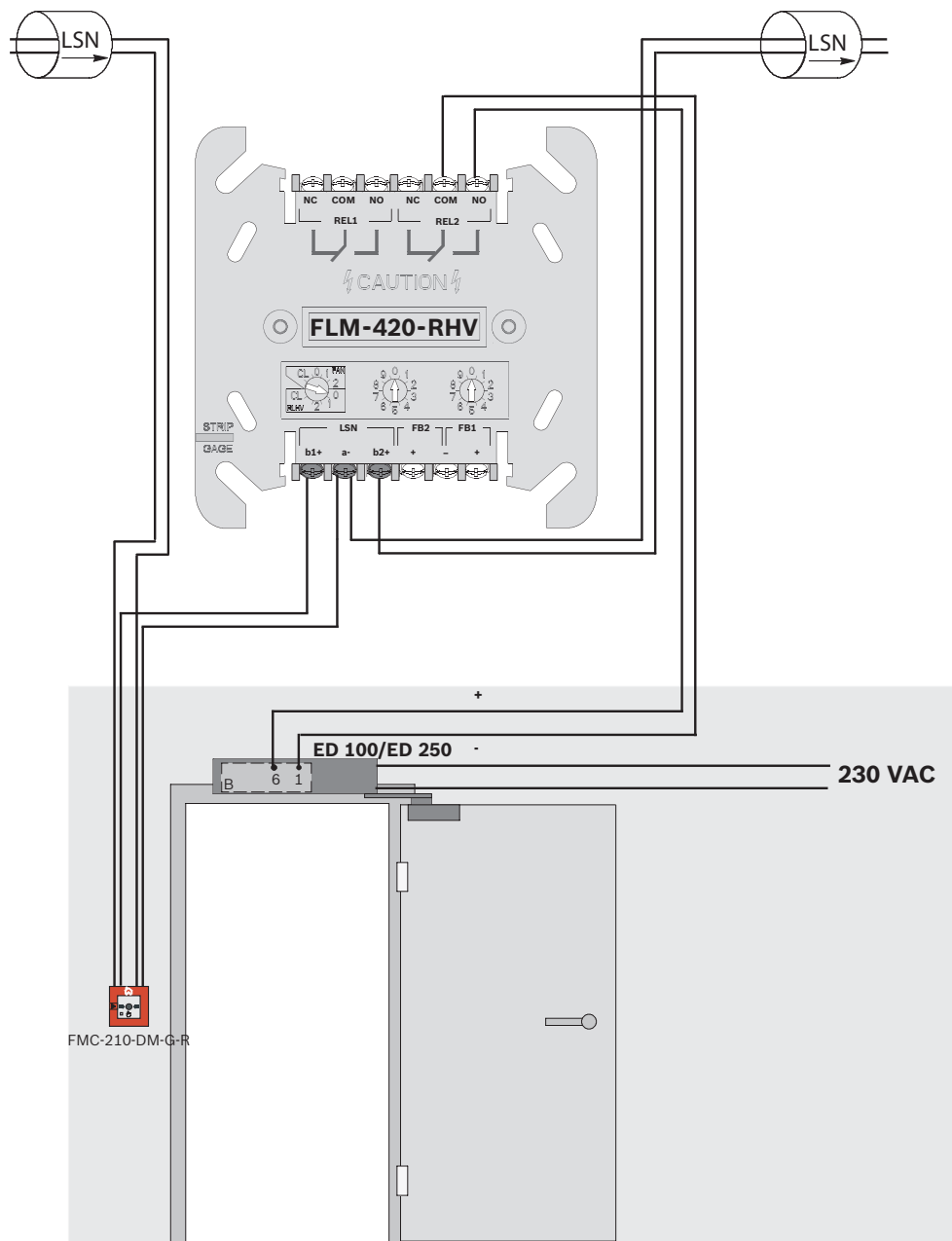
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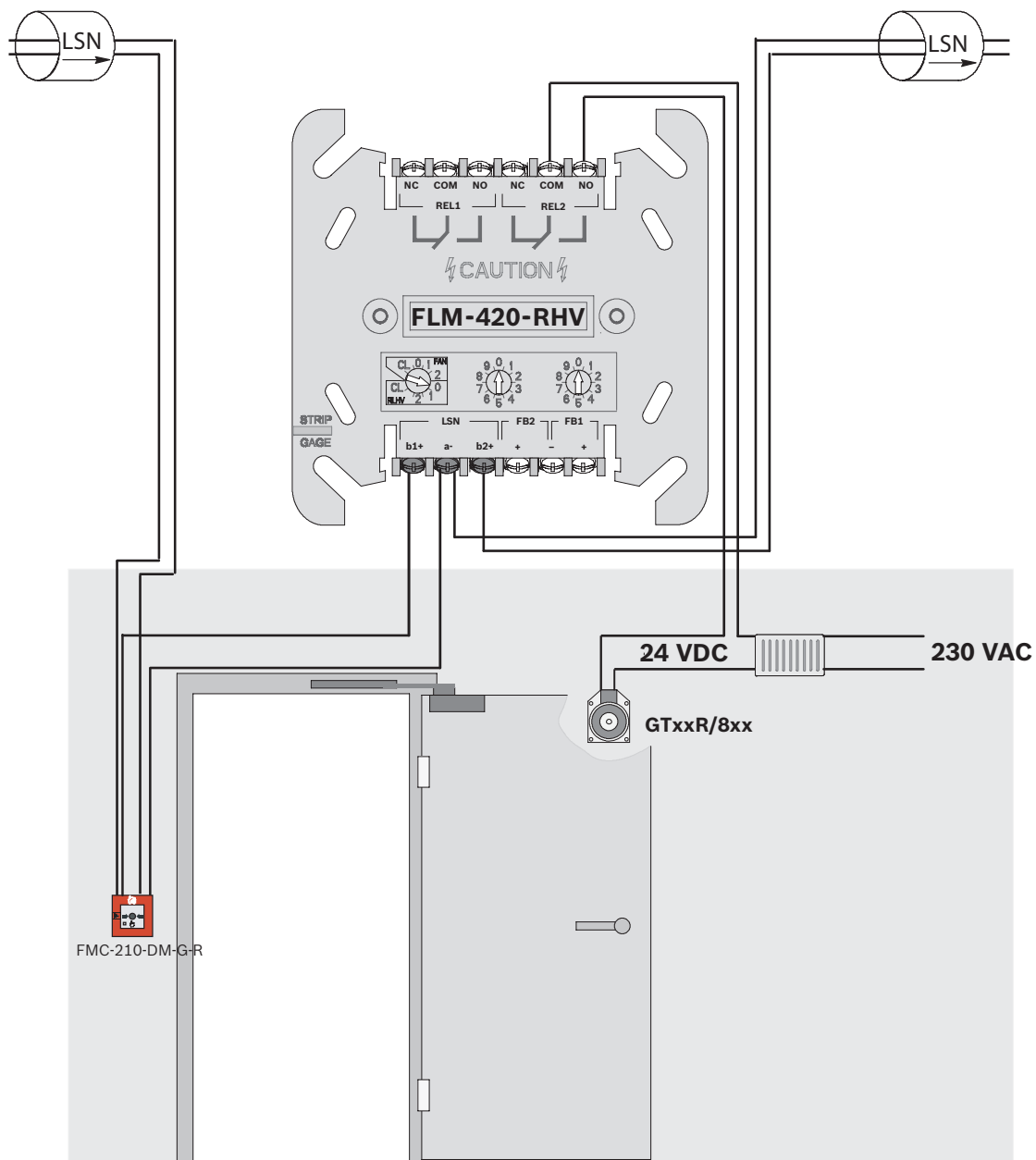
**ED 100
ED 250
(+Upgrade Card B**

DIBT





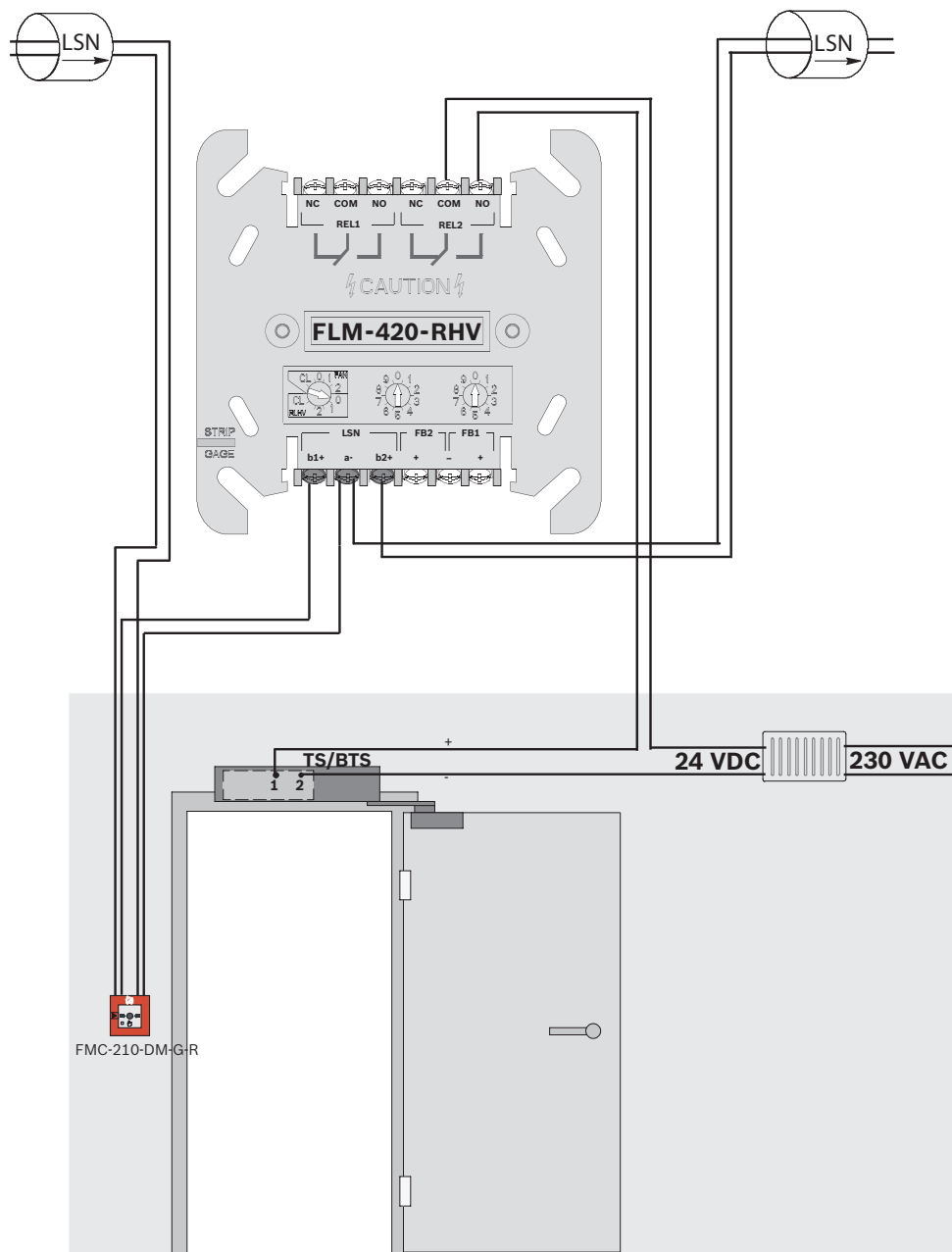
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BTS 80 FLB

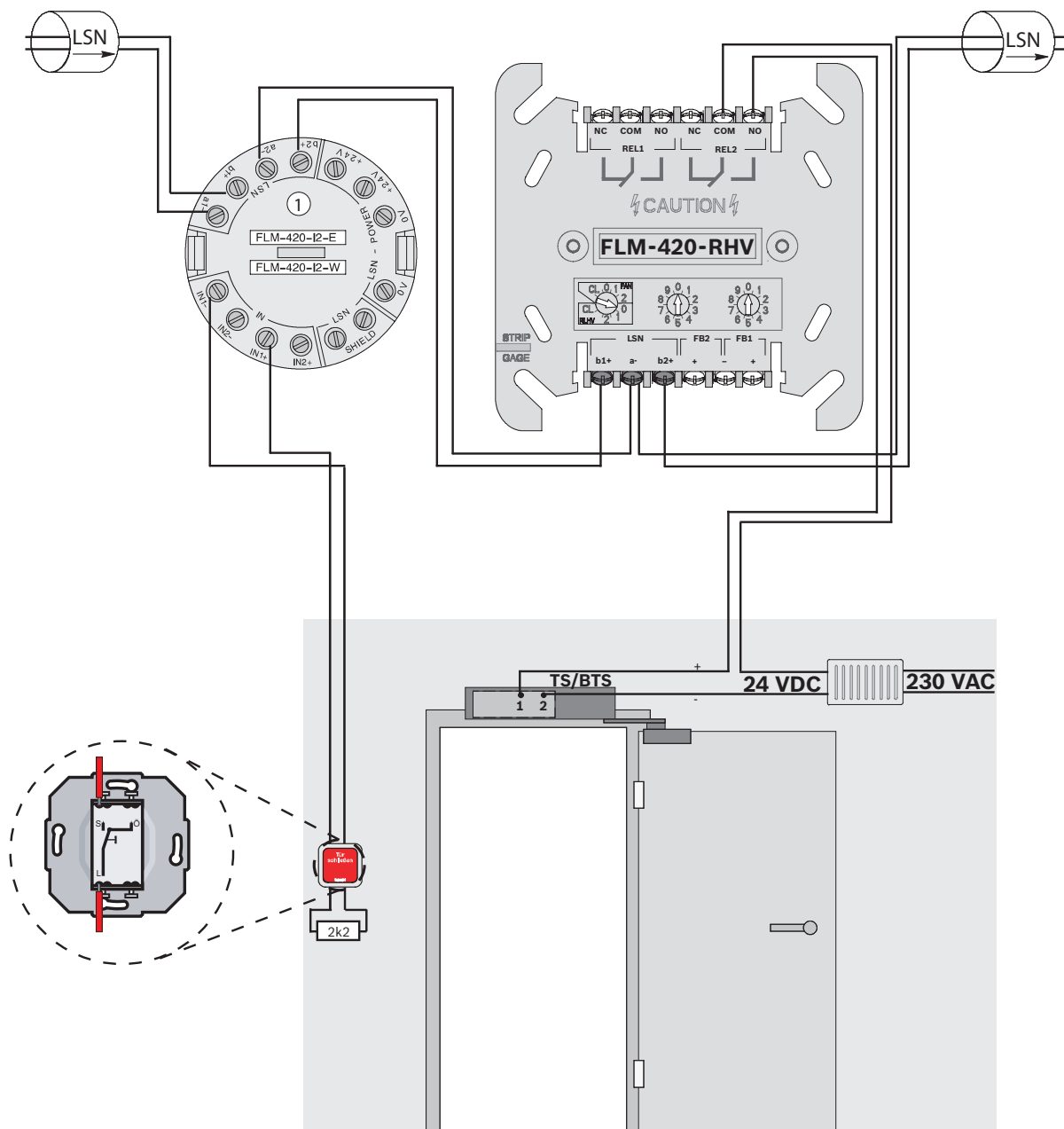
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TS 93 EMF
TS 93 GSR
BTS 80 EMB
BTS 80 FLB

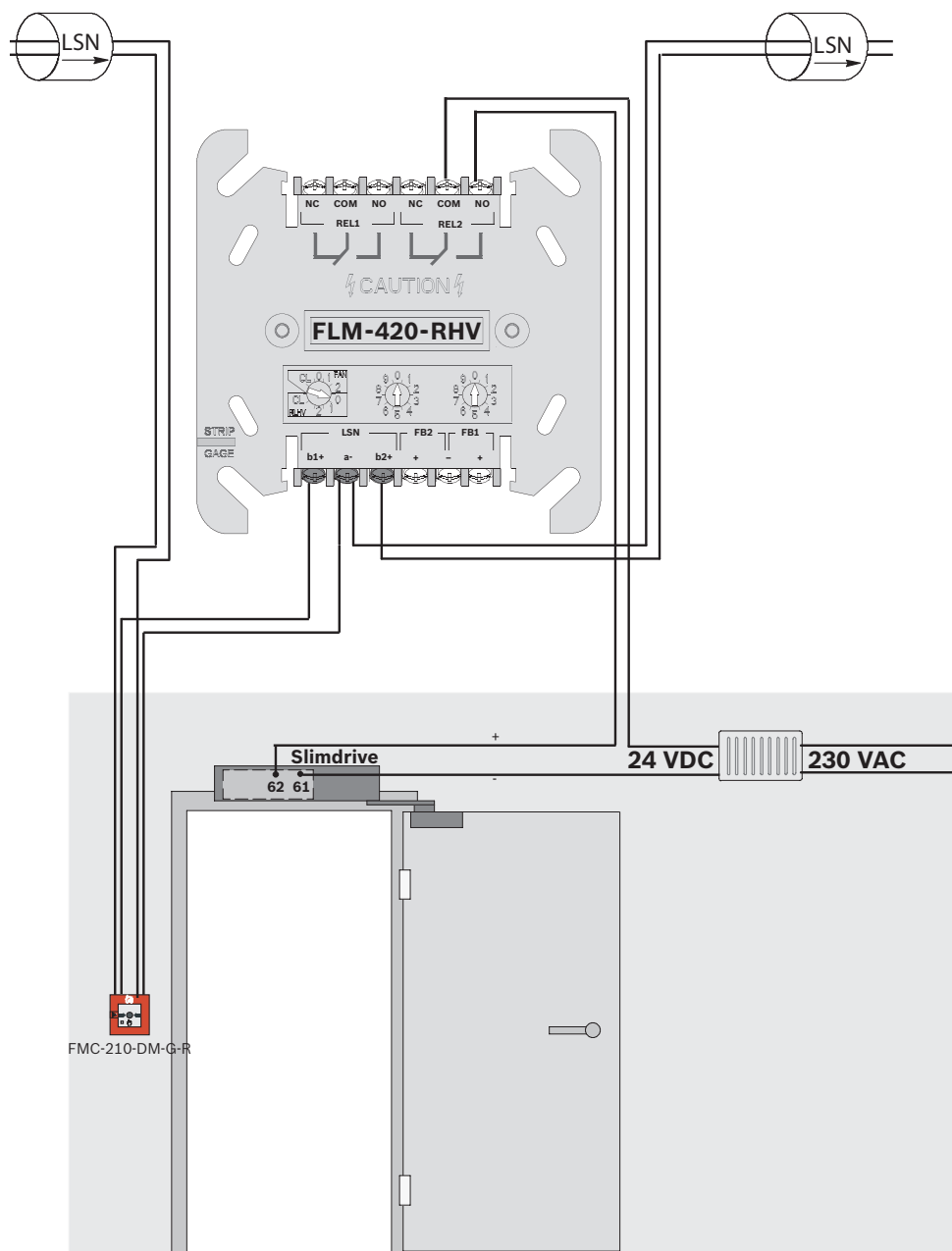
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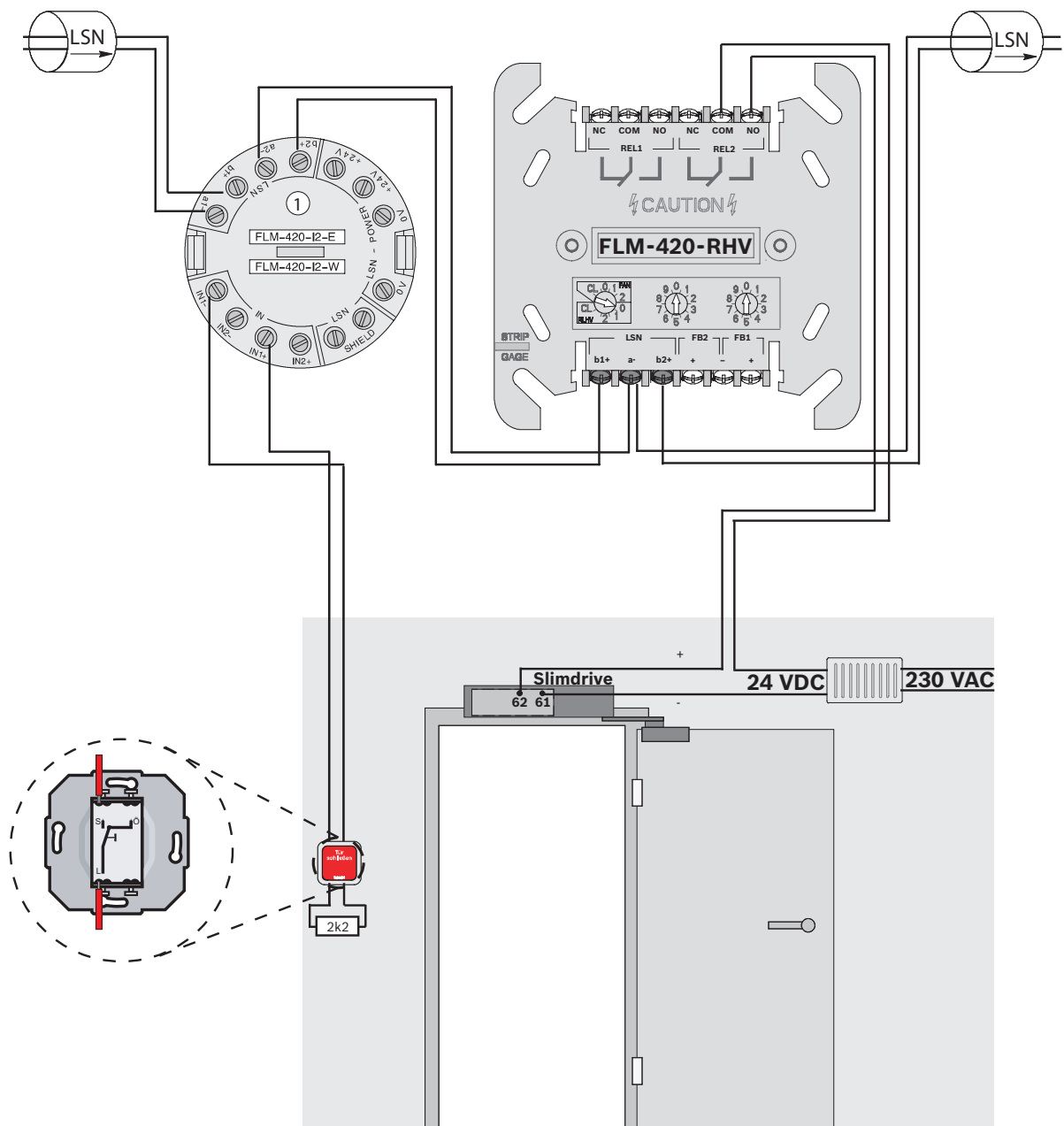
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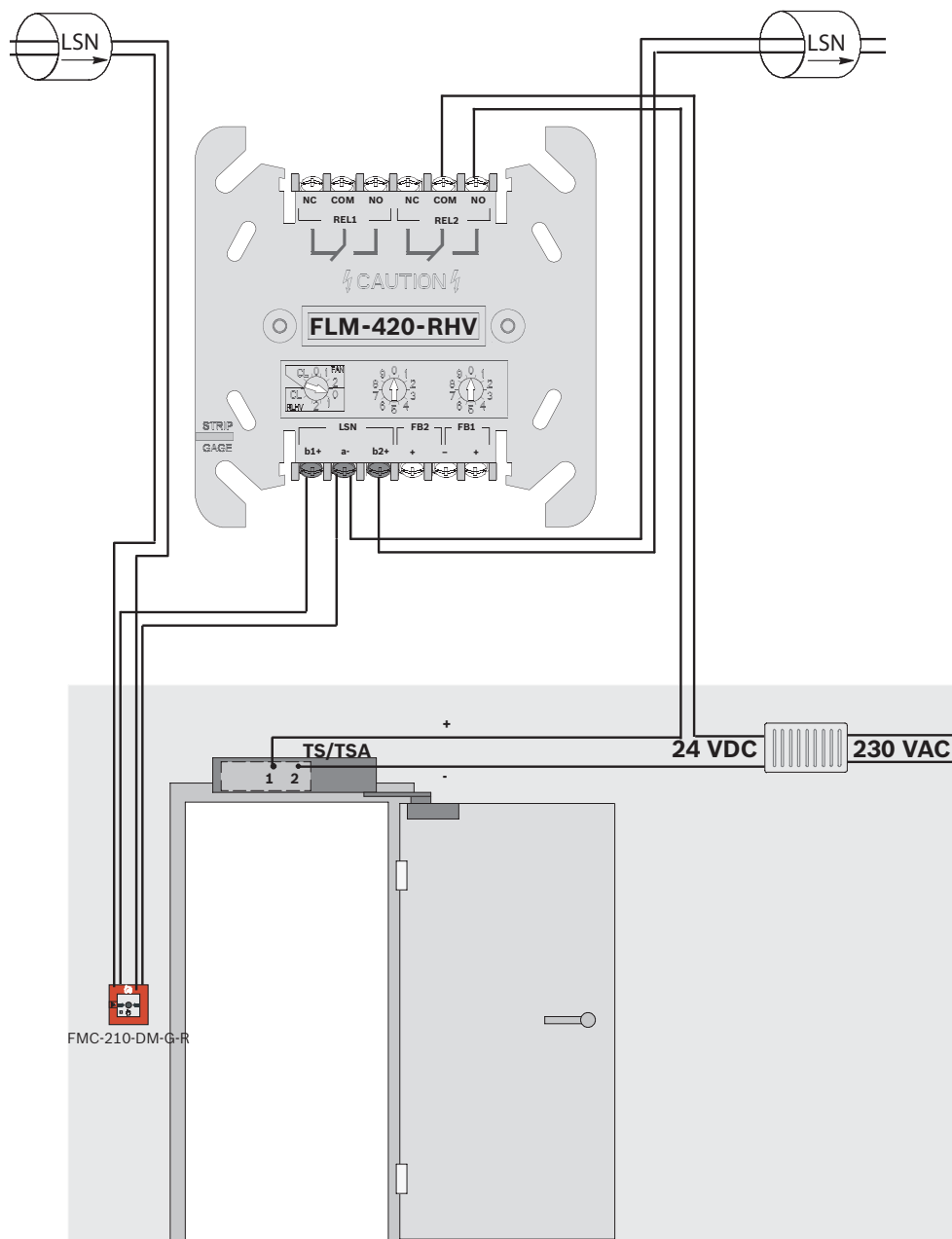
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TS 550 E
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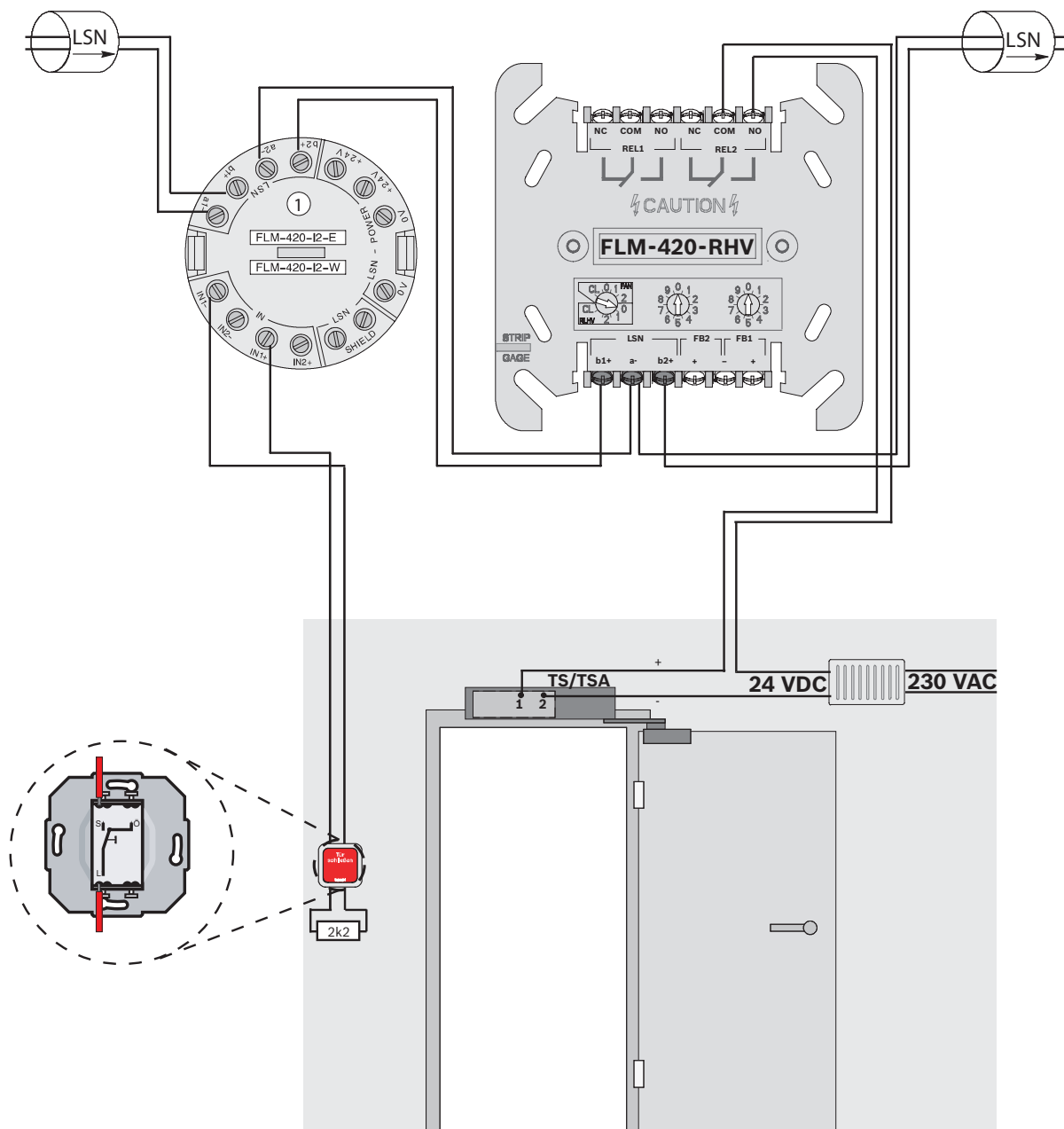
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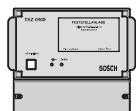




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TS 5000 E/E-IS/E-ISM
TS 550 E
TSA 160 NT F/F-IS/F-IS/TS

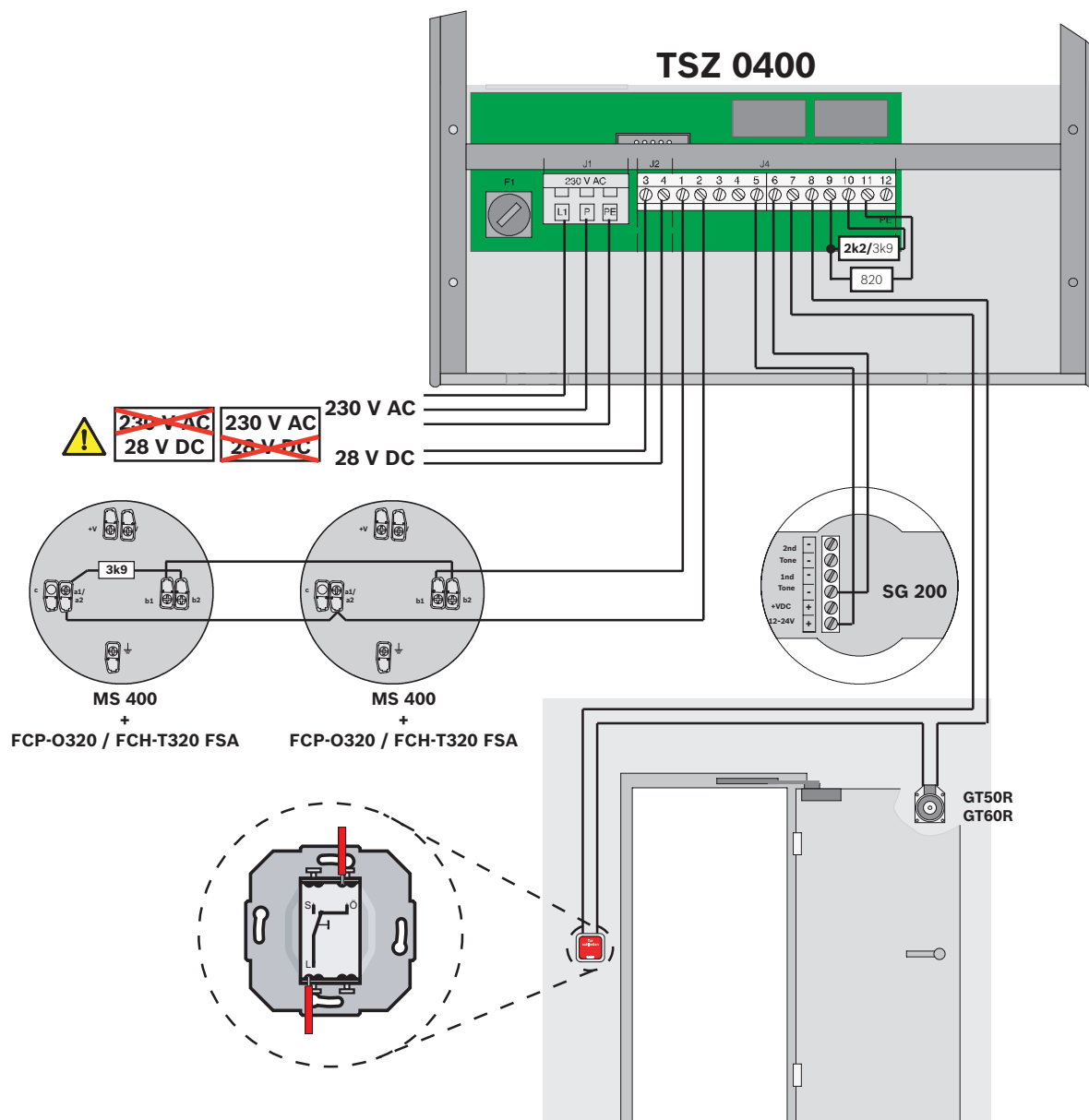
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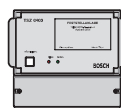
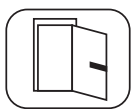




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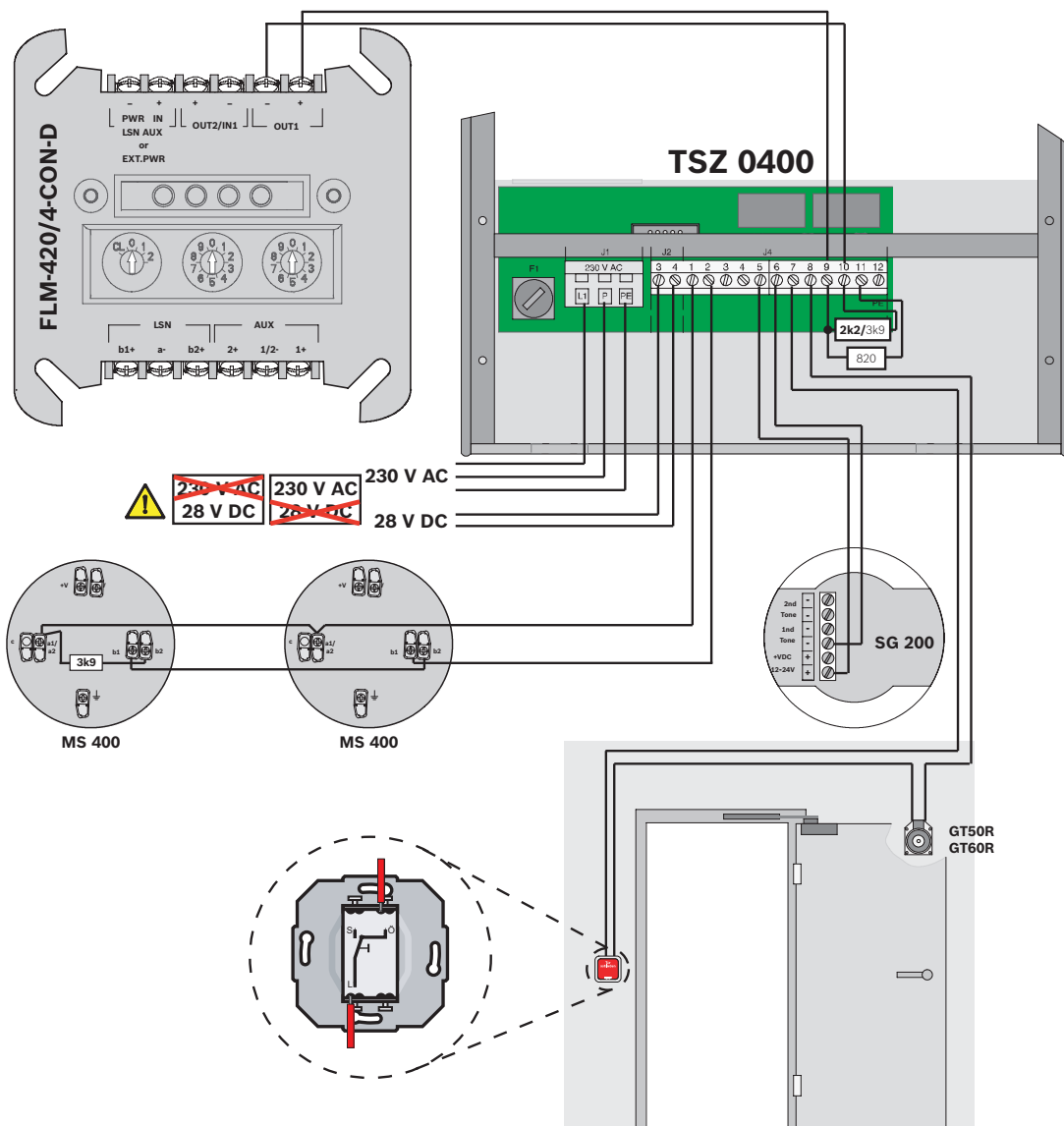
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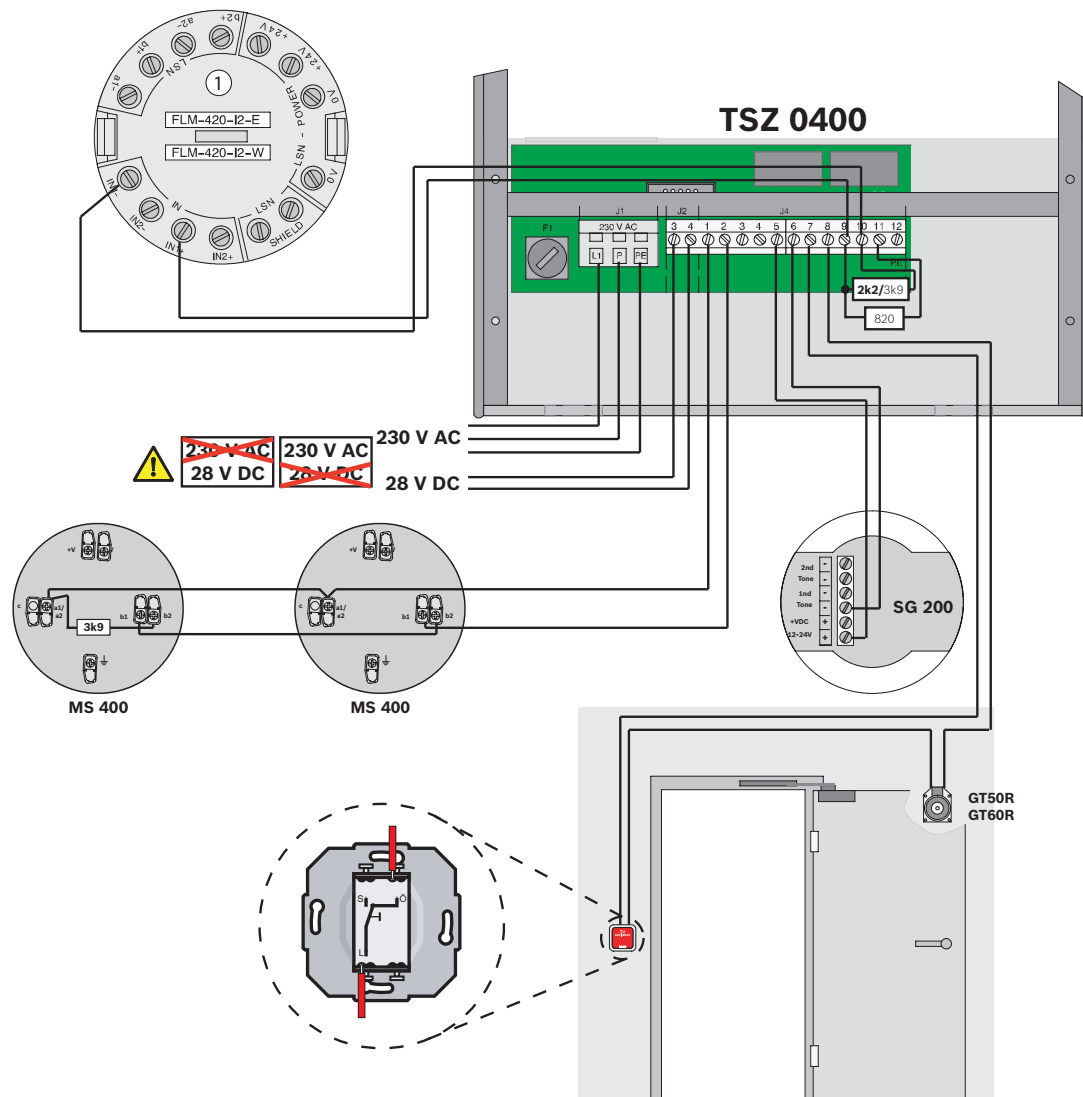
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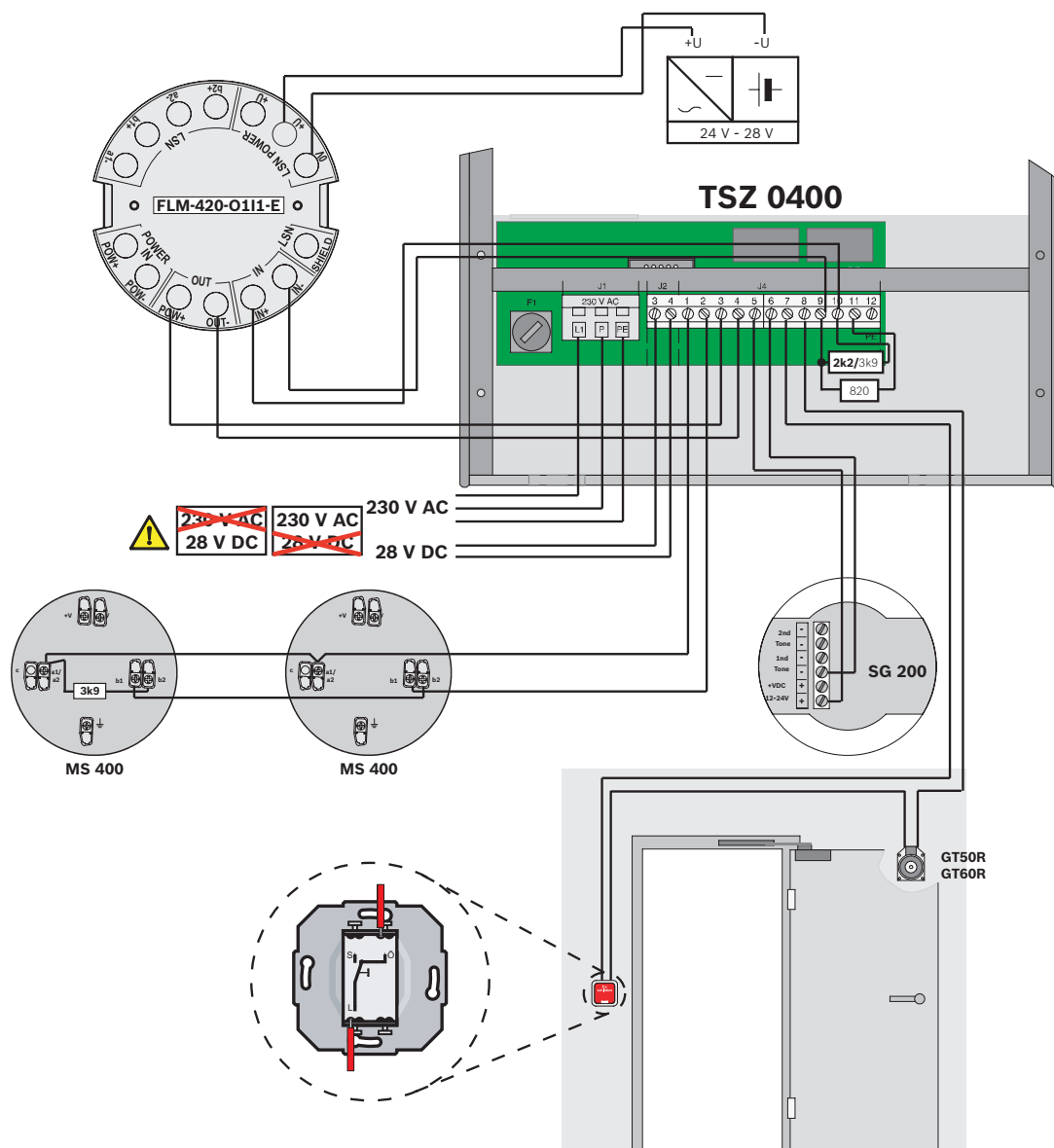
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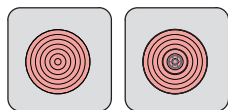




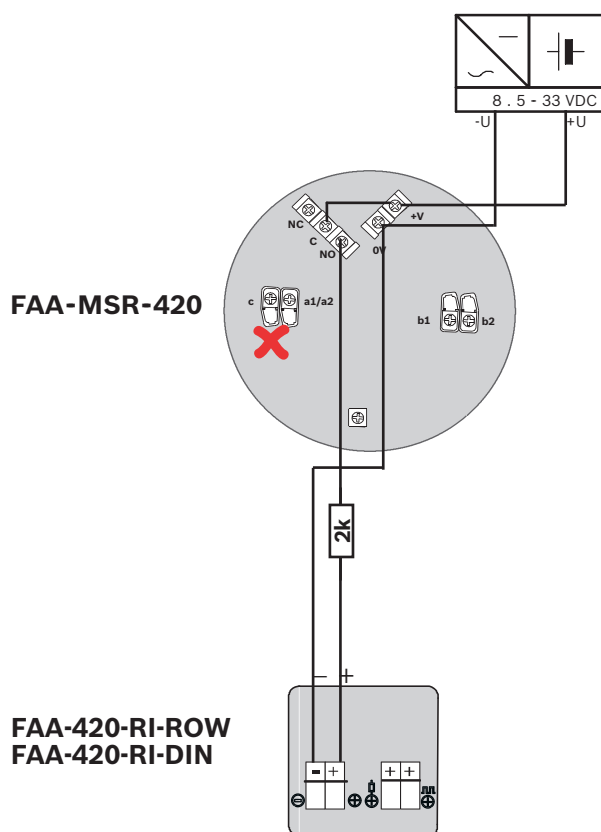
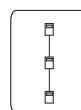
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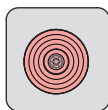
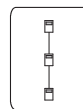
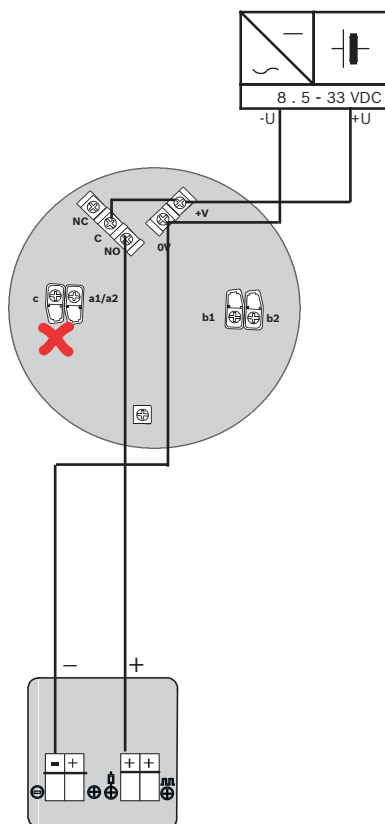
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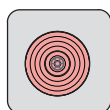
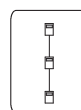
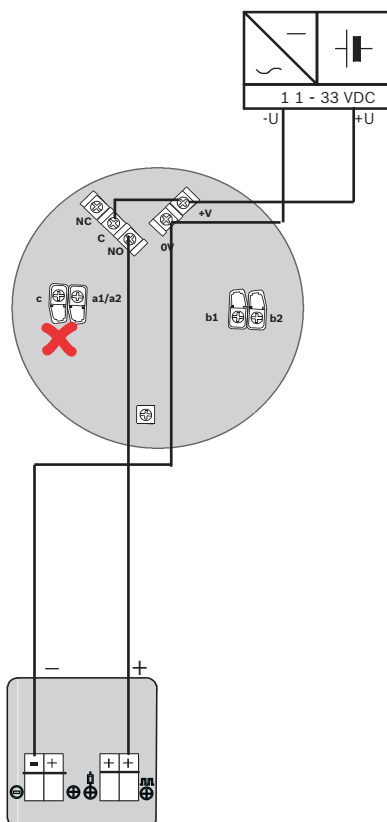




FAA-420-RI-ROW
FAA-420-RI-DIN




FAA-420-RI-DIN

FAA-MSR-420

FAA-420-RI-DIN

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

3.3 Modules fonctionnels



BCM-0000-B, Page 49

CZM 0004 A, Page 51

ENO 0000 A/B, Page 55

LSN 0300 A, Page 62

NZM 0002 A, Page 97

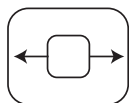
RMH 0002 A, Page 113

IOS 0020 A, Page 116

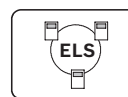
FPE-5000-UGM, Page 131

3.3.1

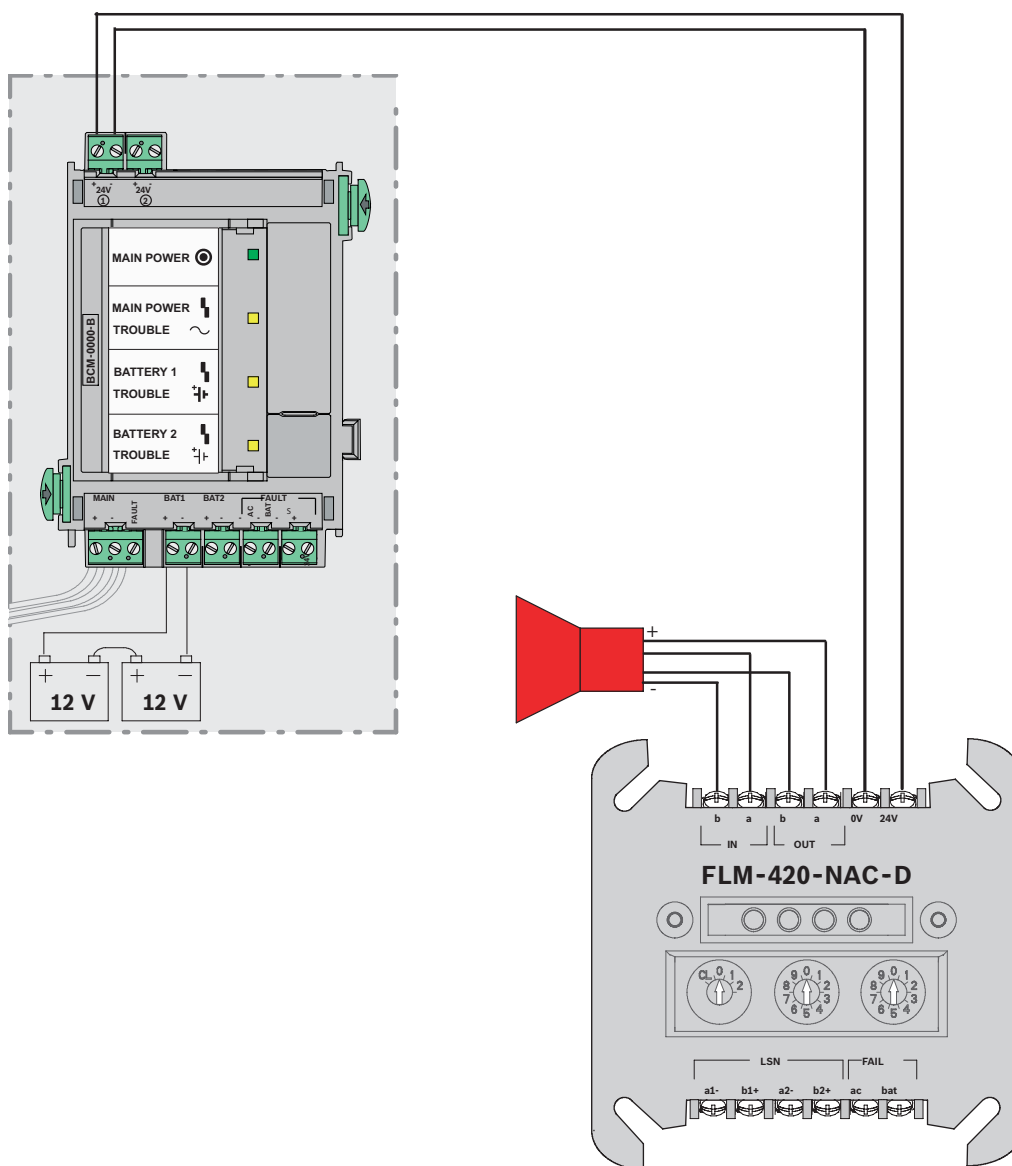
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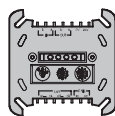
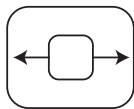


FLM-420-NAC-D

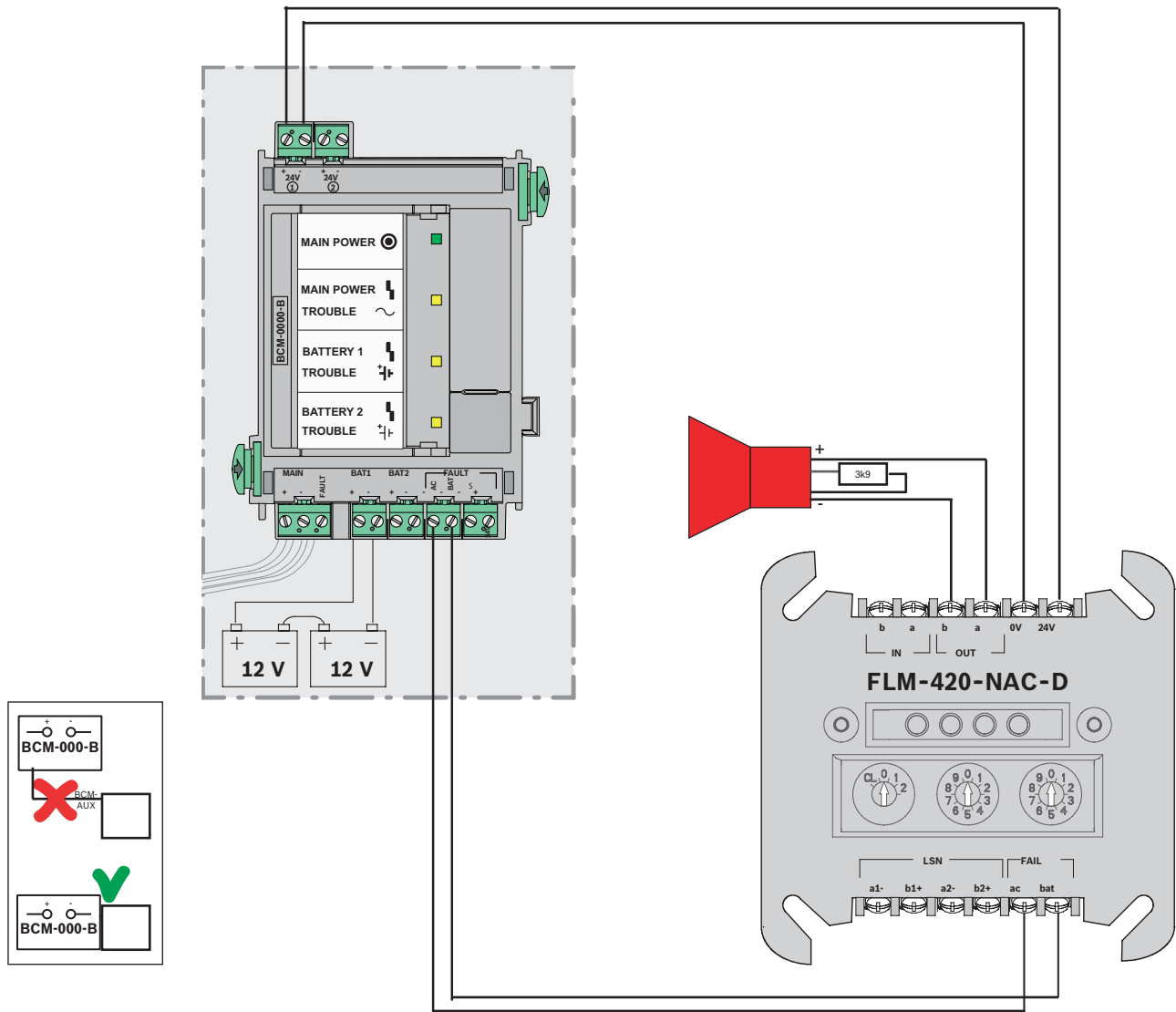
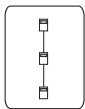


VdS 2489





FLM-420-NAC-D

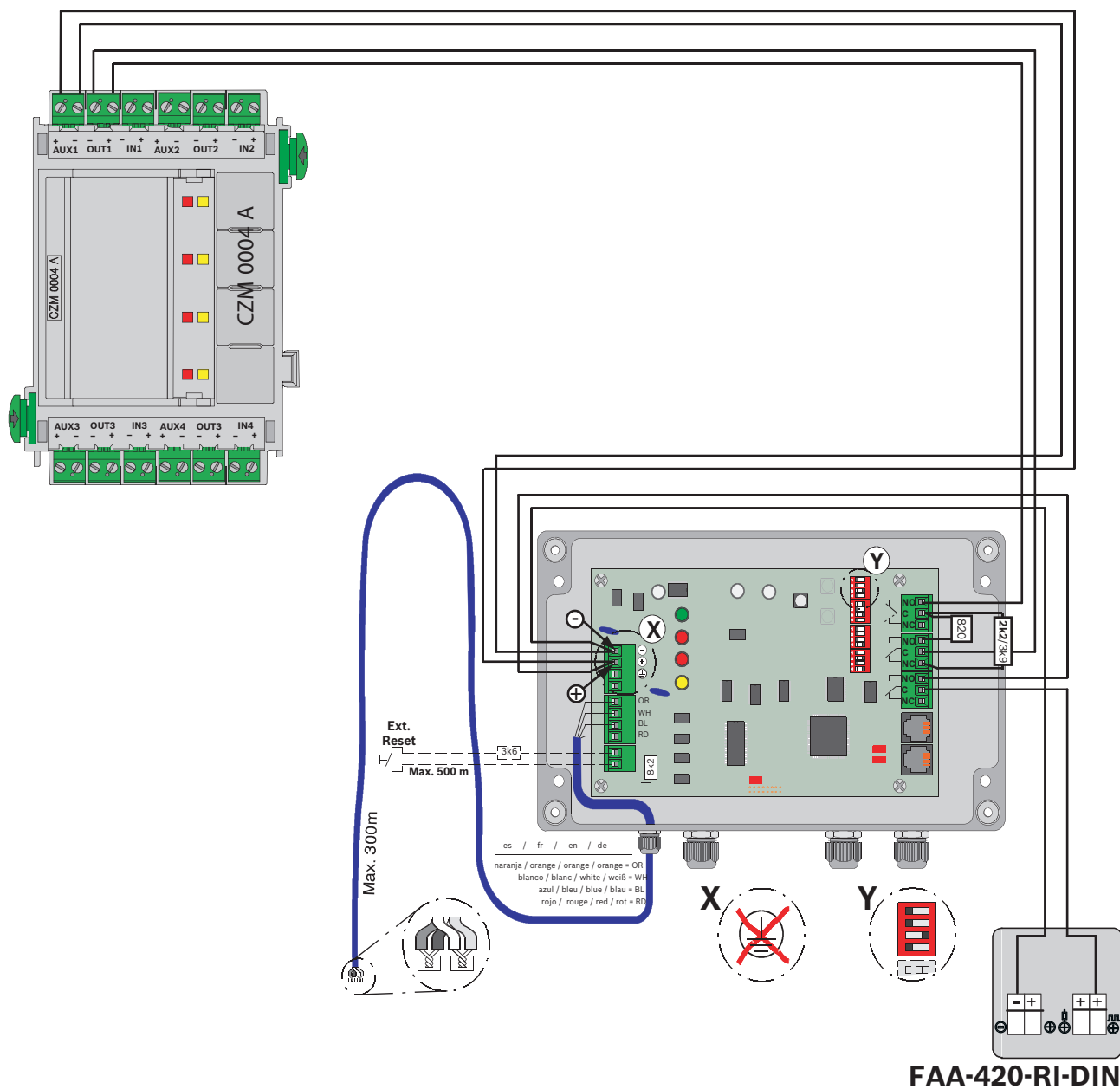


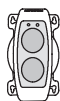
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CZM 0004 A

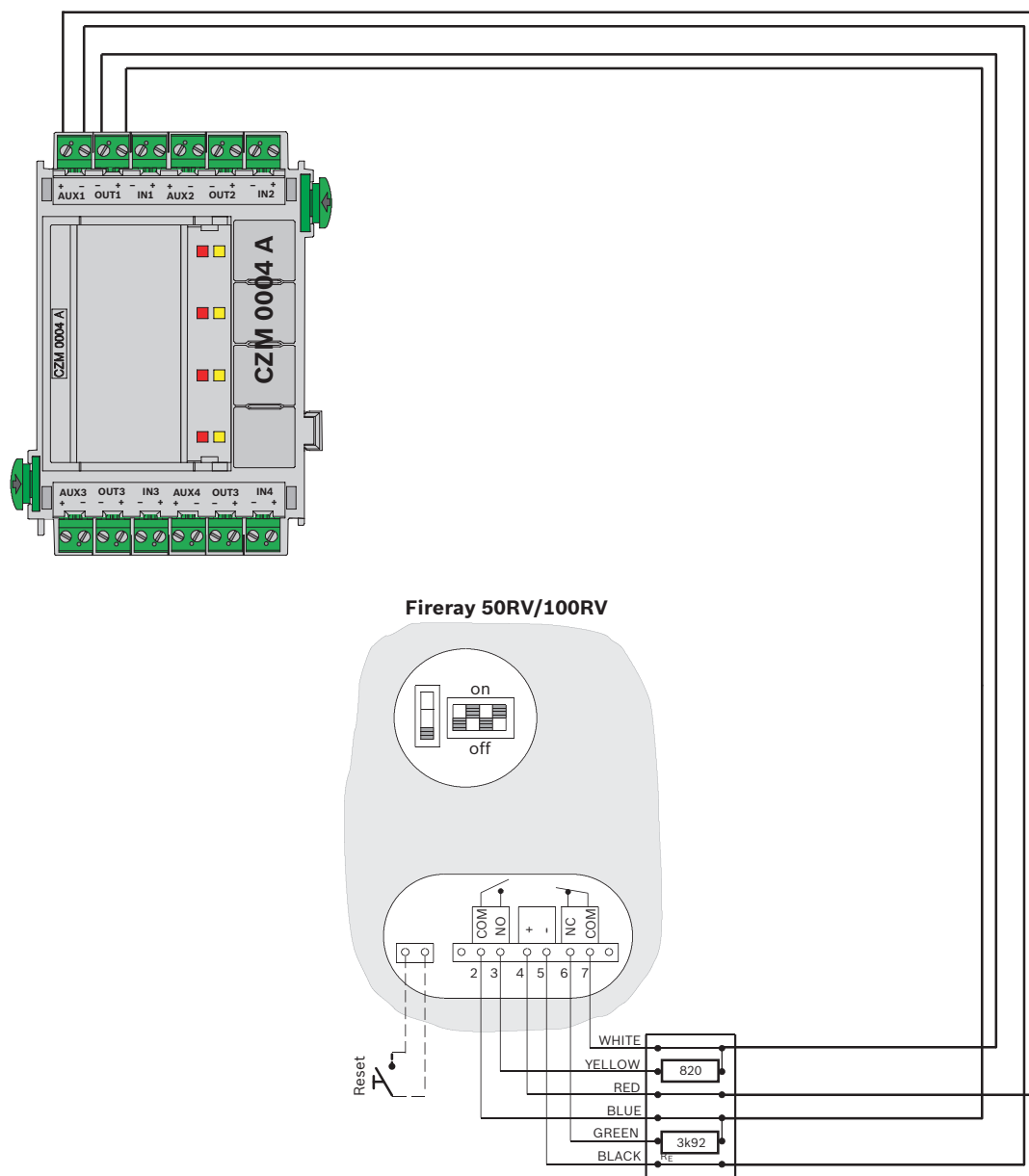


FCS-LWM-1



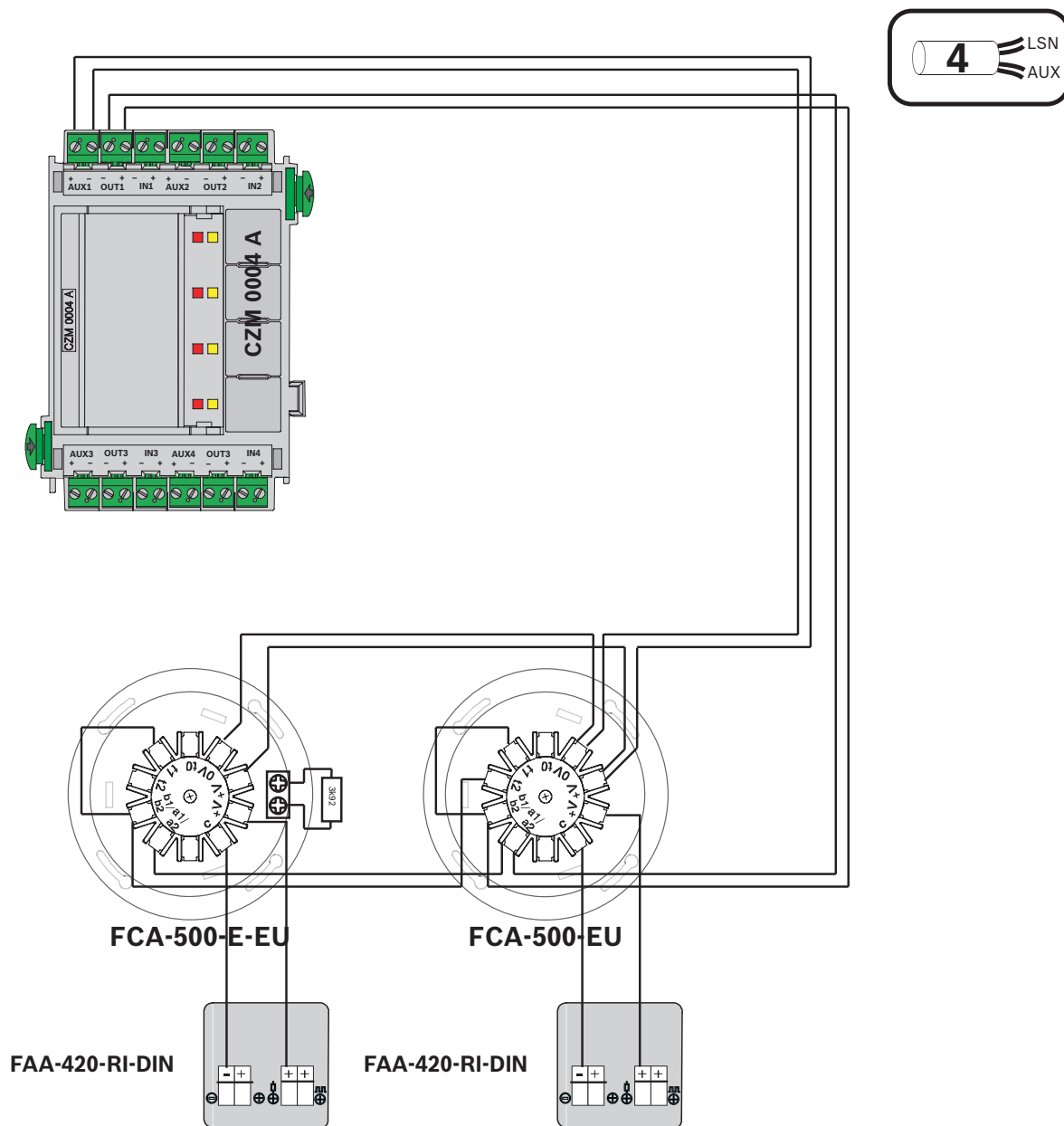
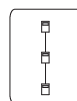


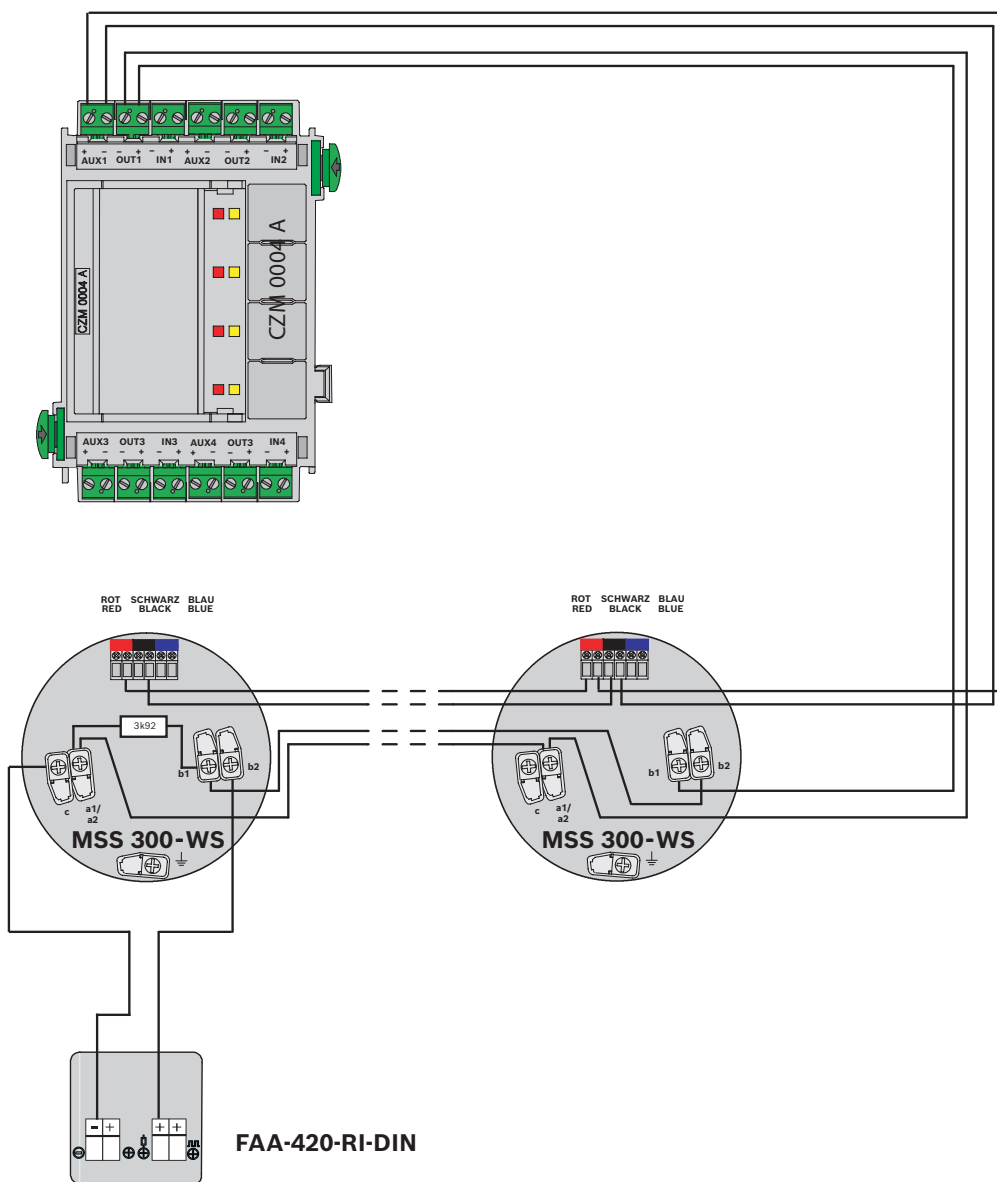
Fireray 50RV
Fireray 100RV





FCP-500



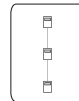
**MSS 300-WS**

3.3.3

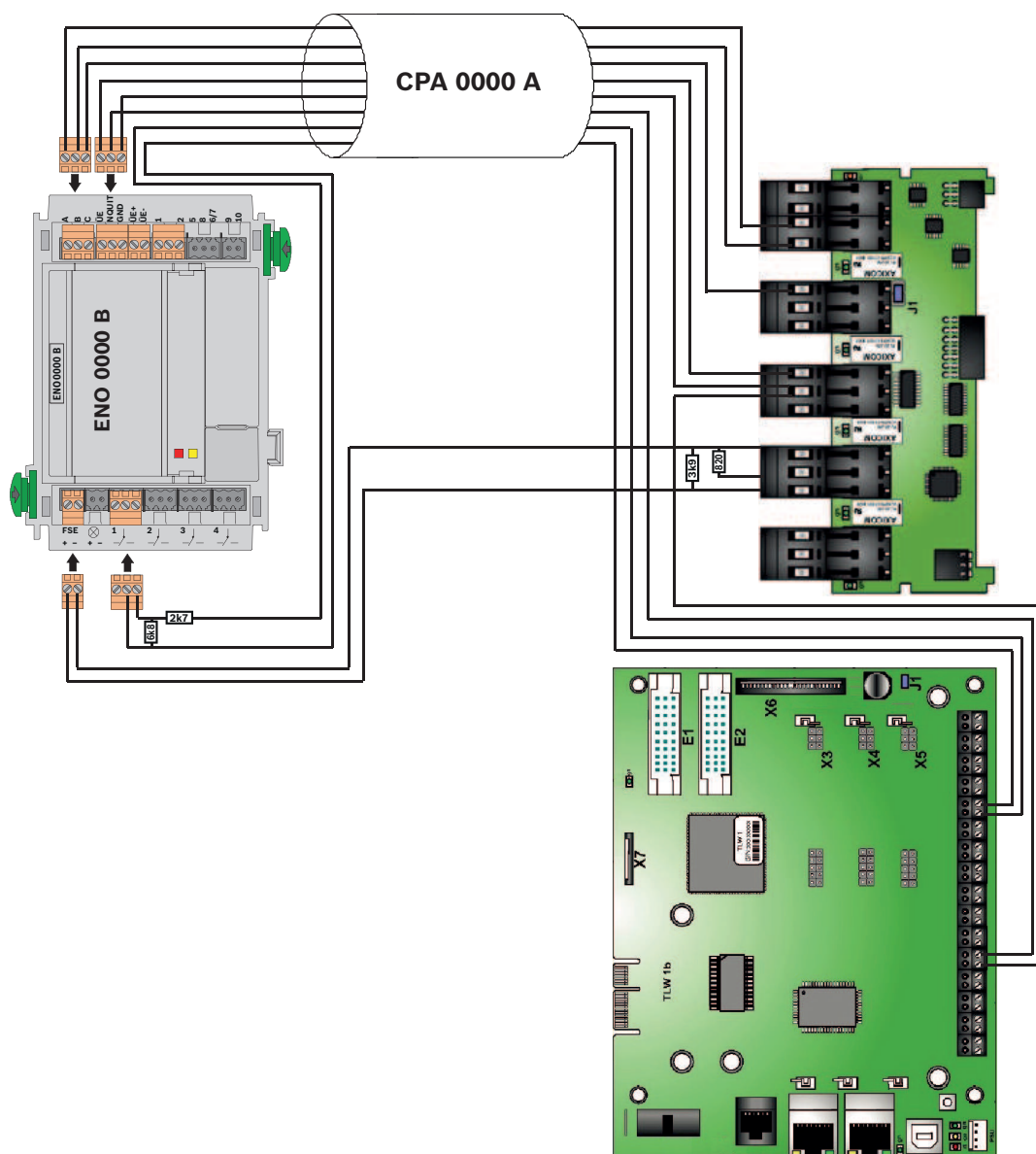
ENO 0000 A/B

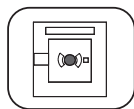


AT5000 IP/GPRS

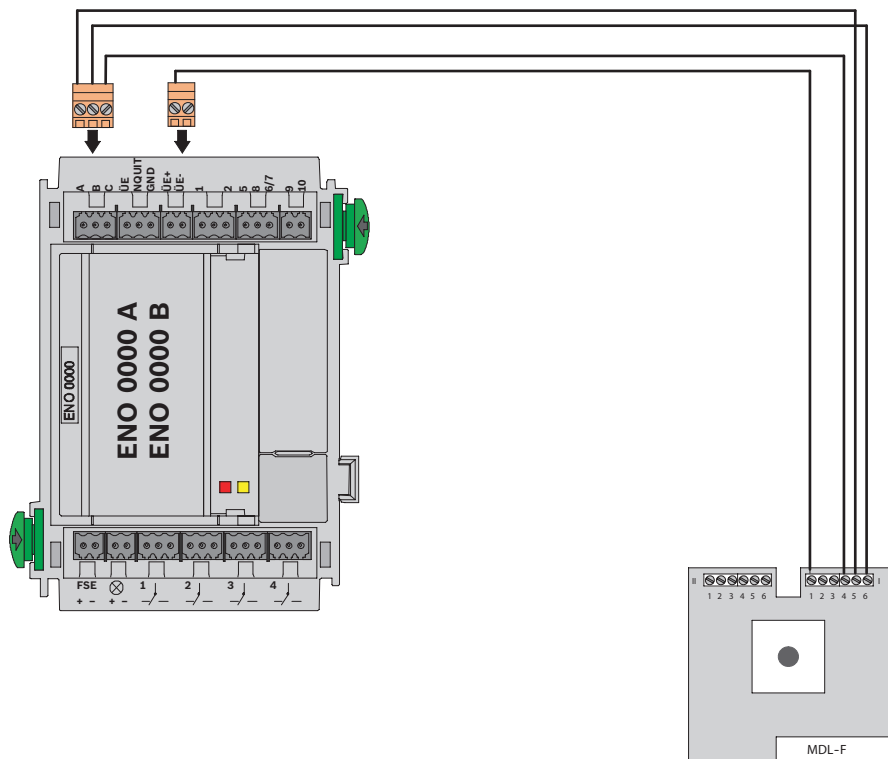


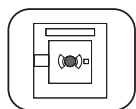
EN 54-2



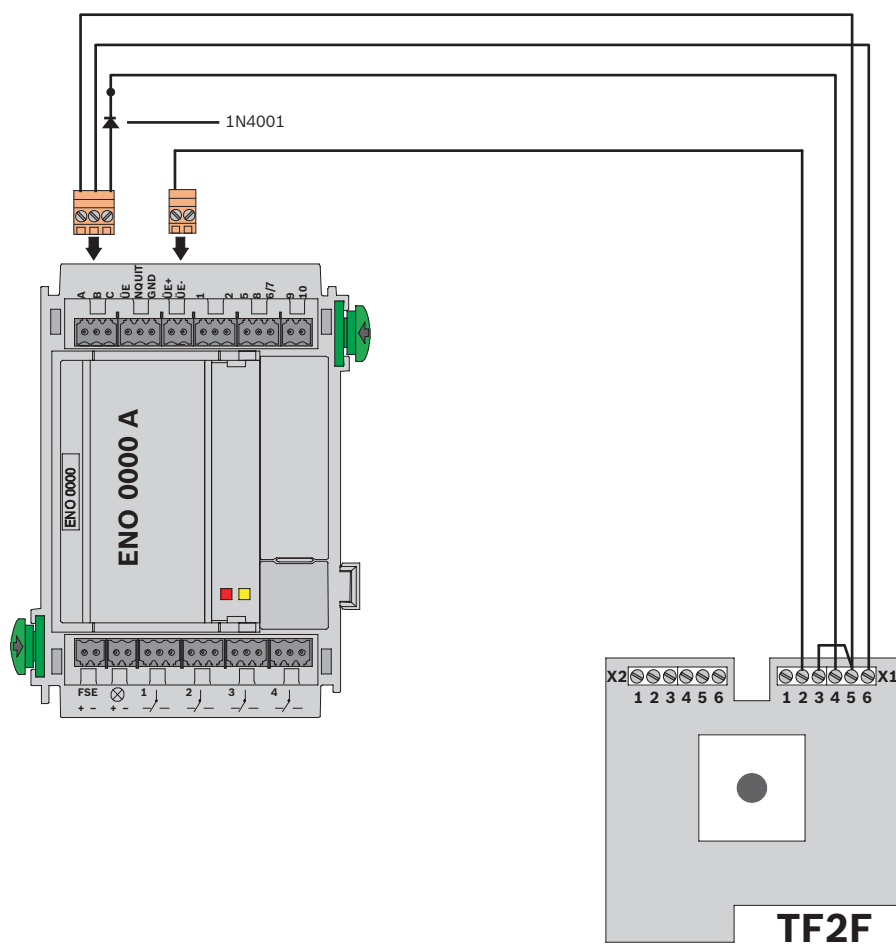
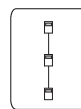


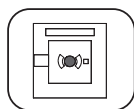
MDL-F



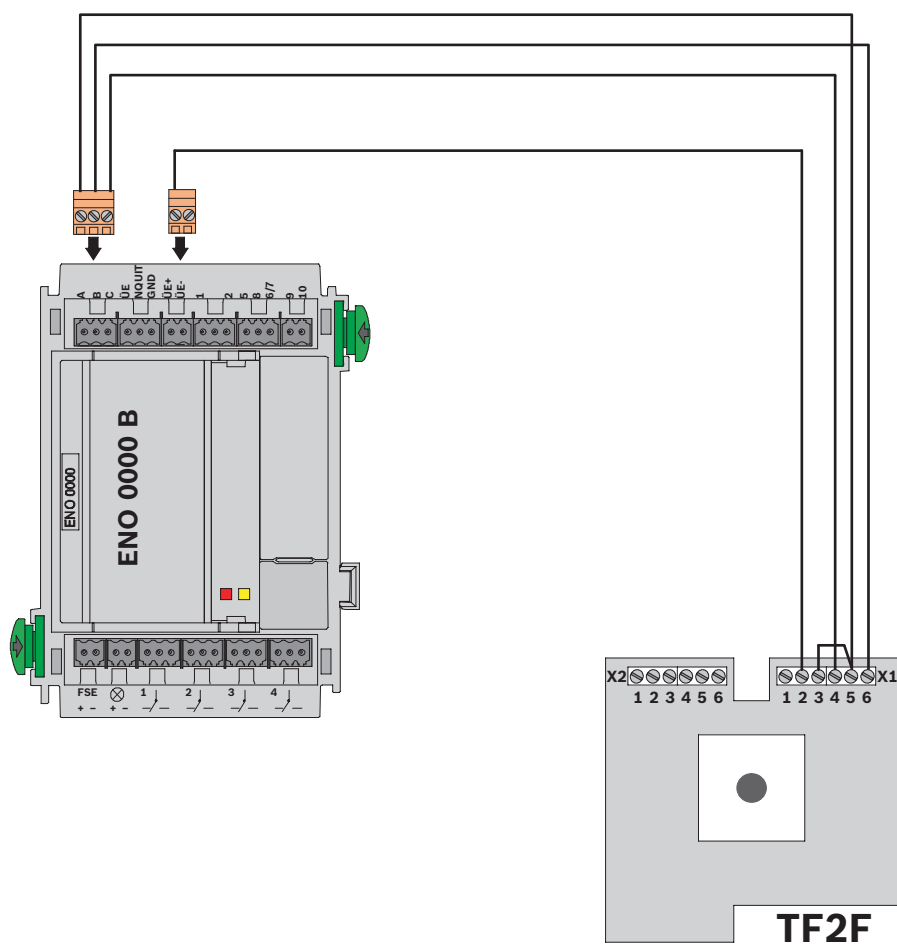
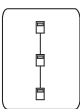


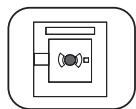
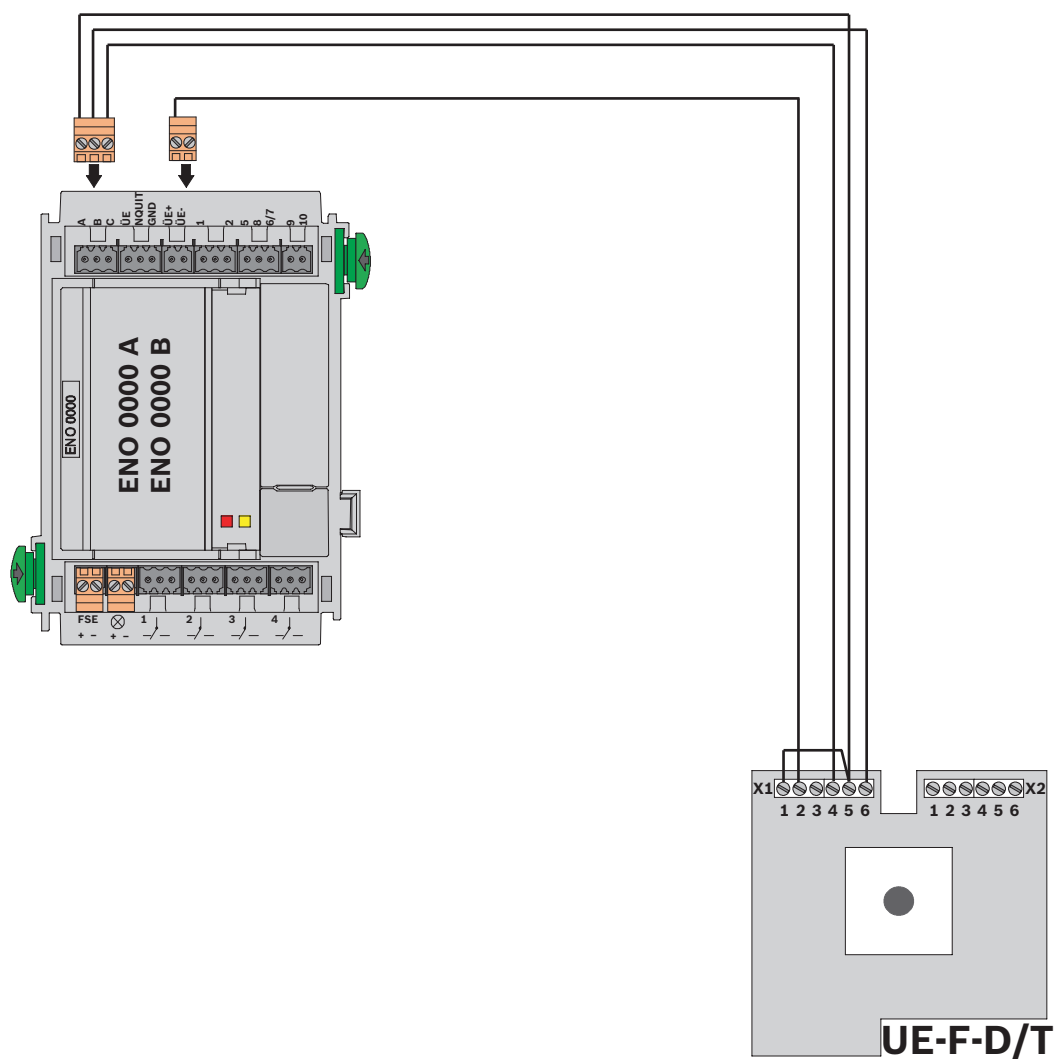
TF2F

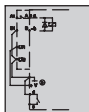




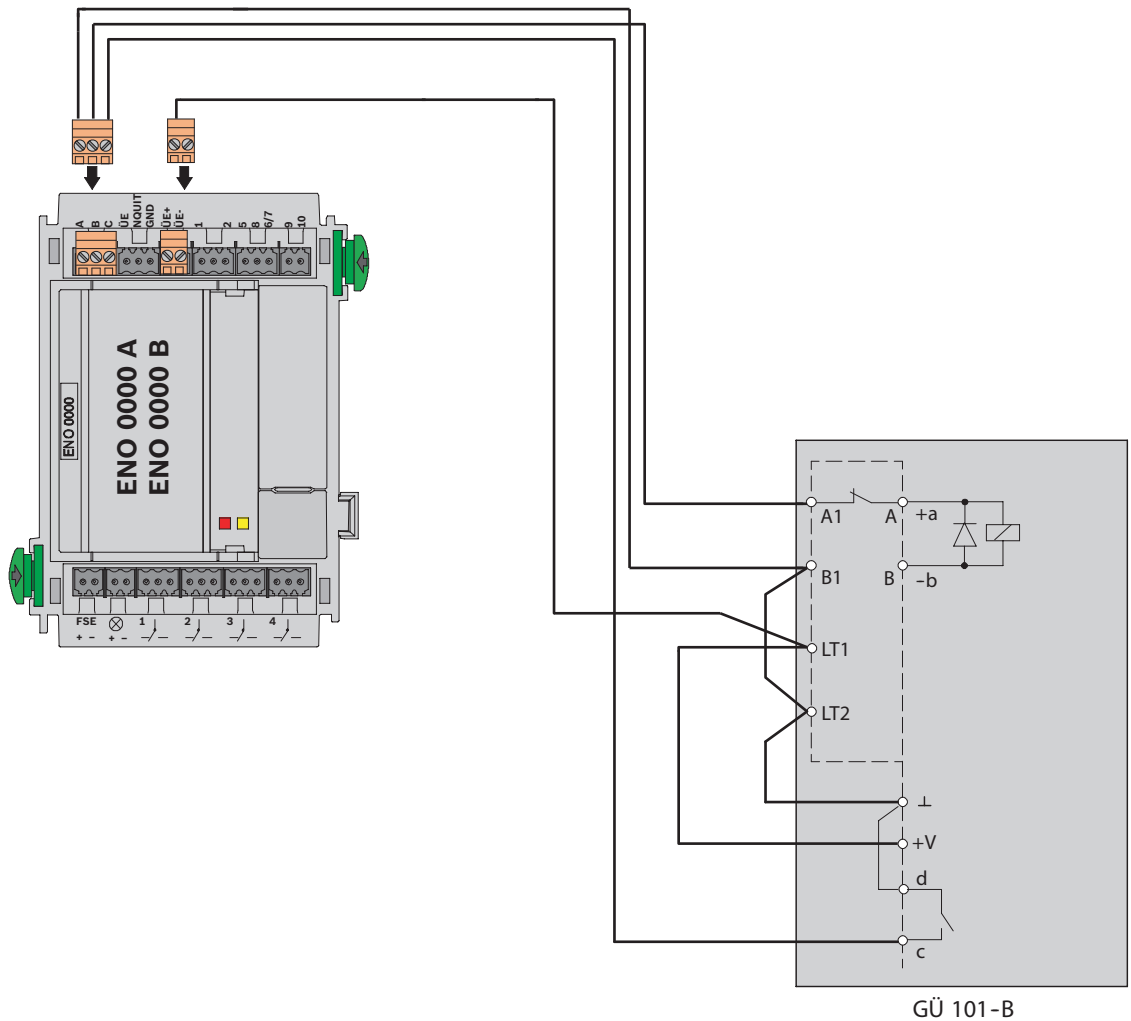
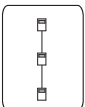
TF2F



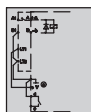
**UE-F-D/T**



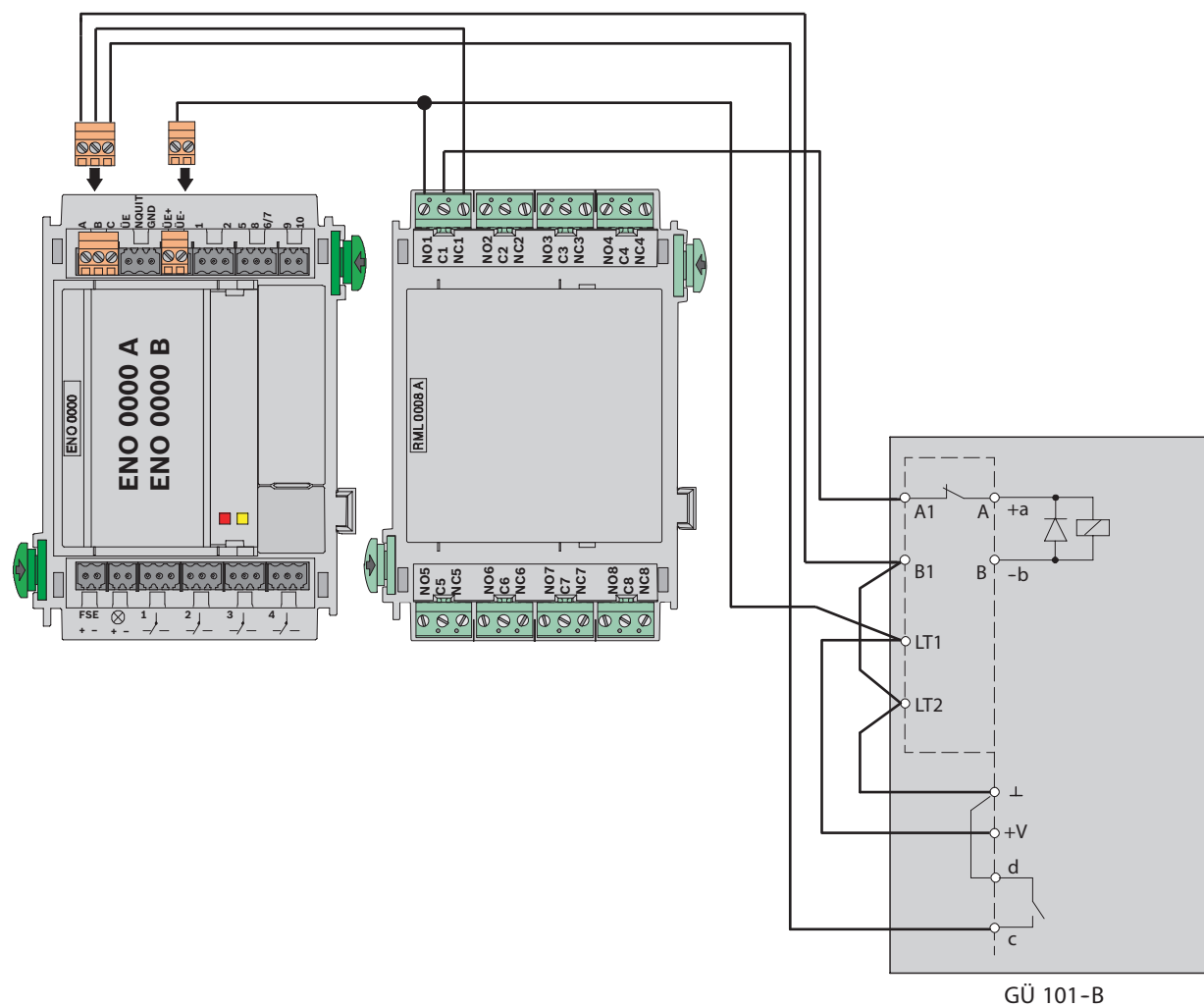
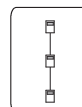
GÜ 101-B



GÜ 101-B

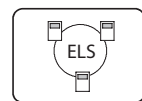
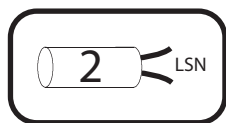


GÜ 101-B

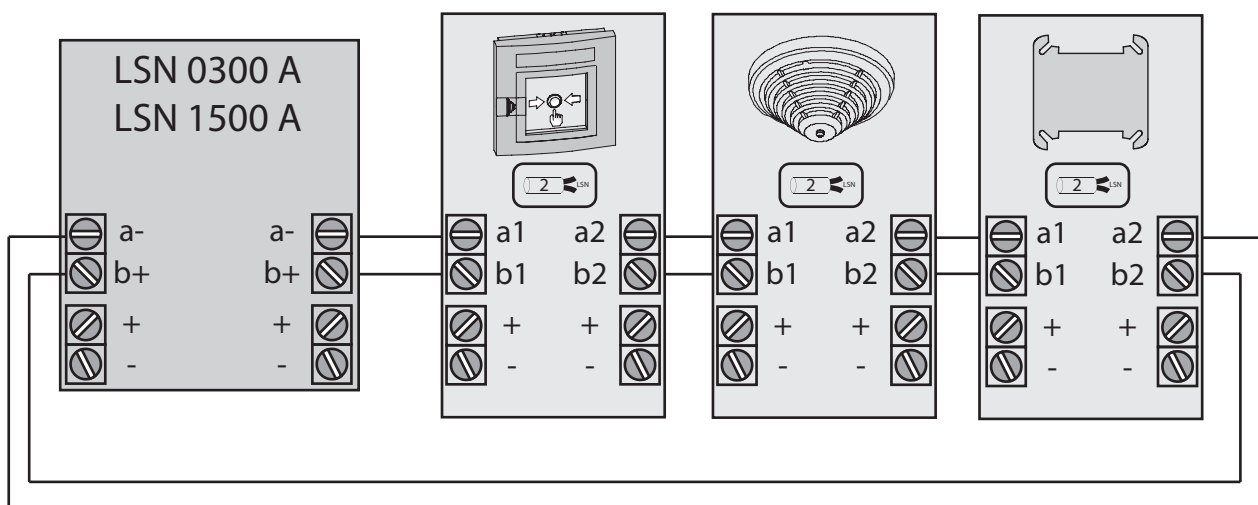


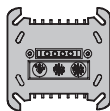
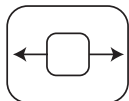
3.3.4

LSN 0300 A

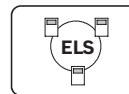


VdS 2489

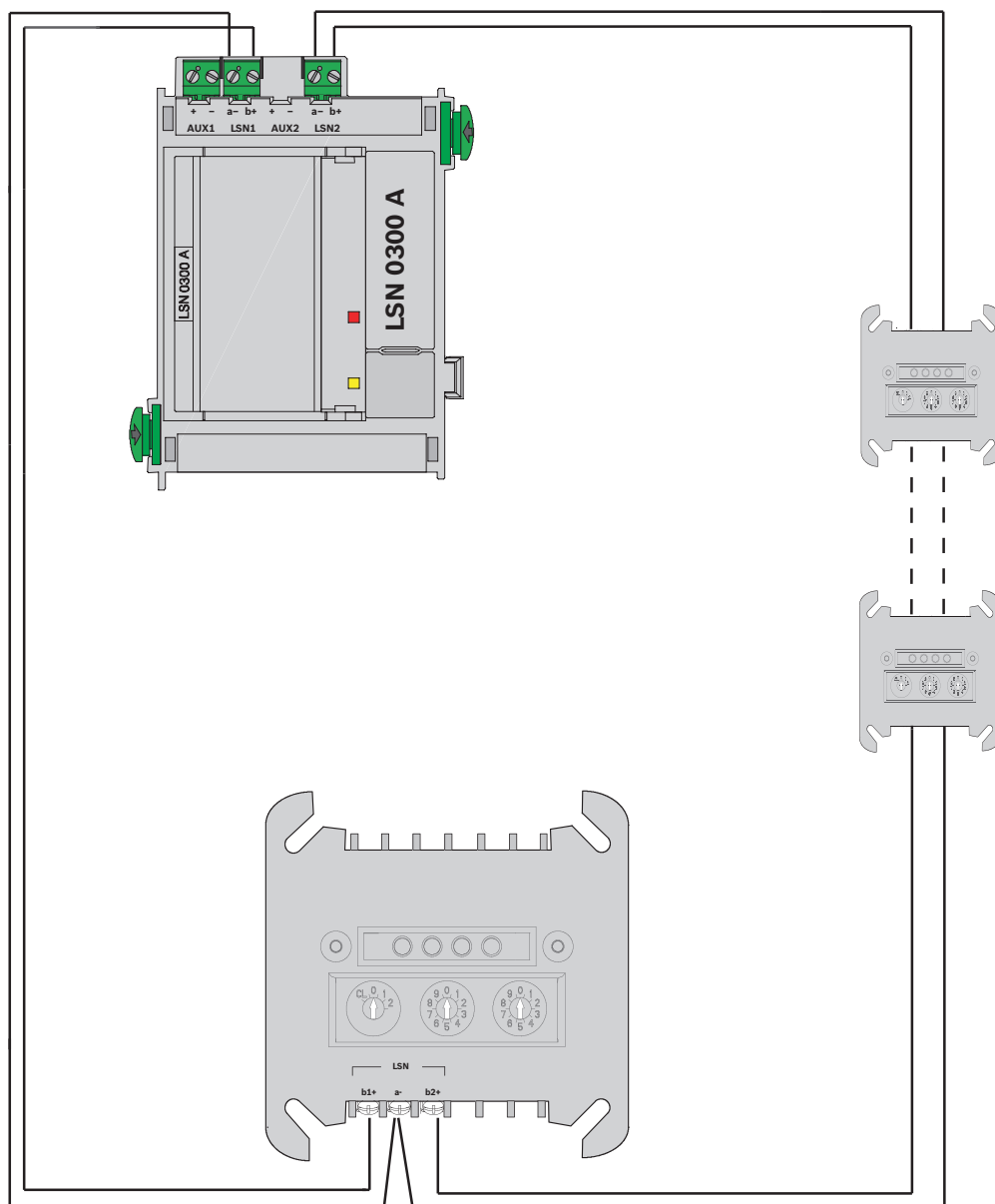


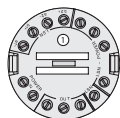
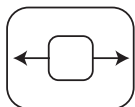


FLM-I 420-S
FLM-420-I2-D
FLM-420-O1I1-D
FLM-420-RHV-D/S
FLM-420-RLV1-D

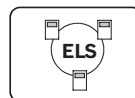


VdS 2489

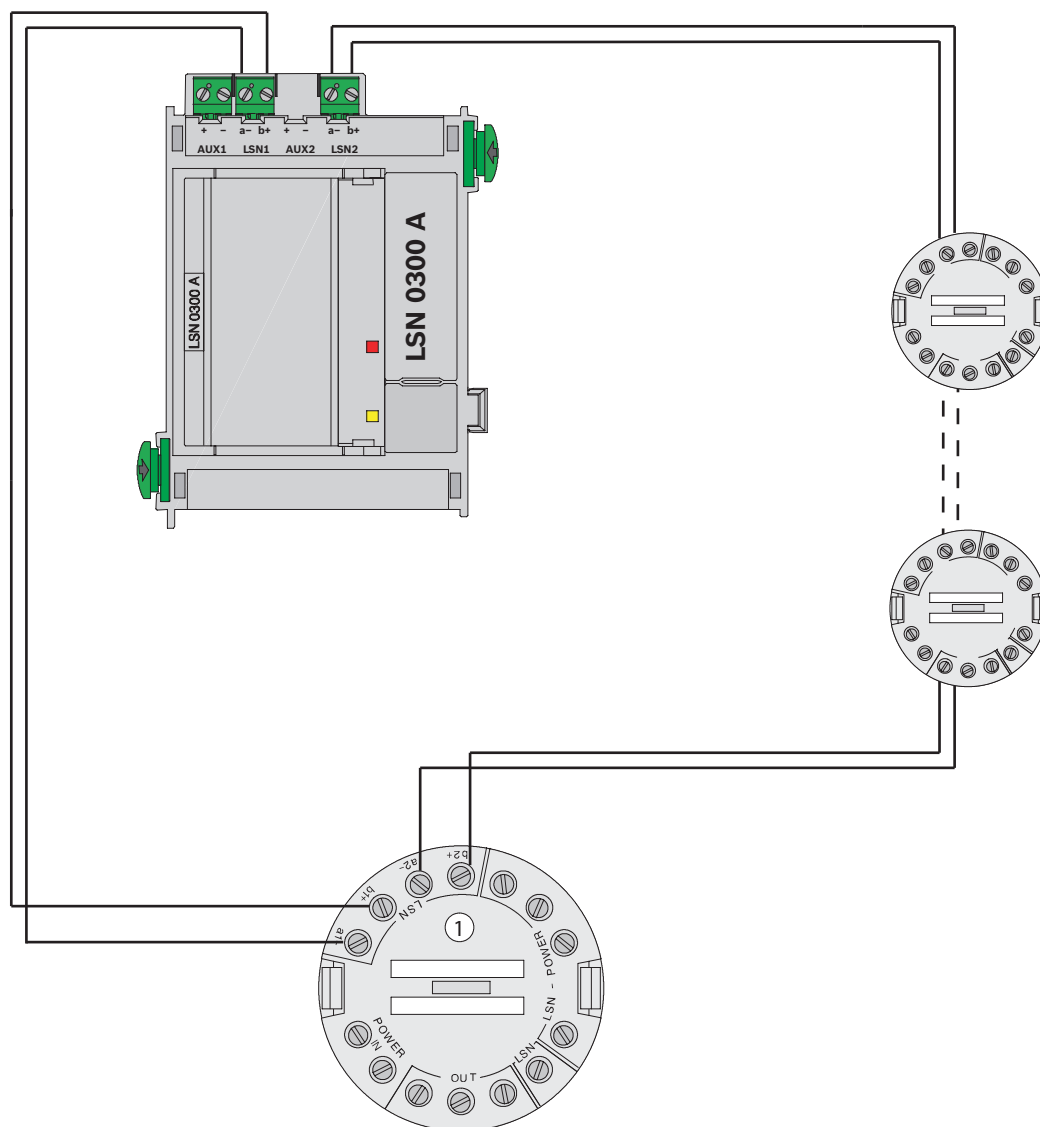


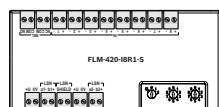
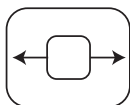
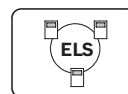
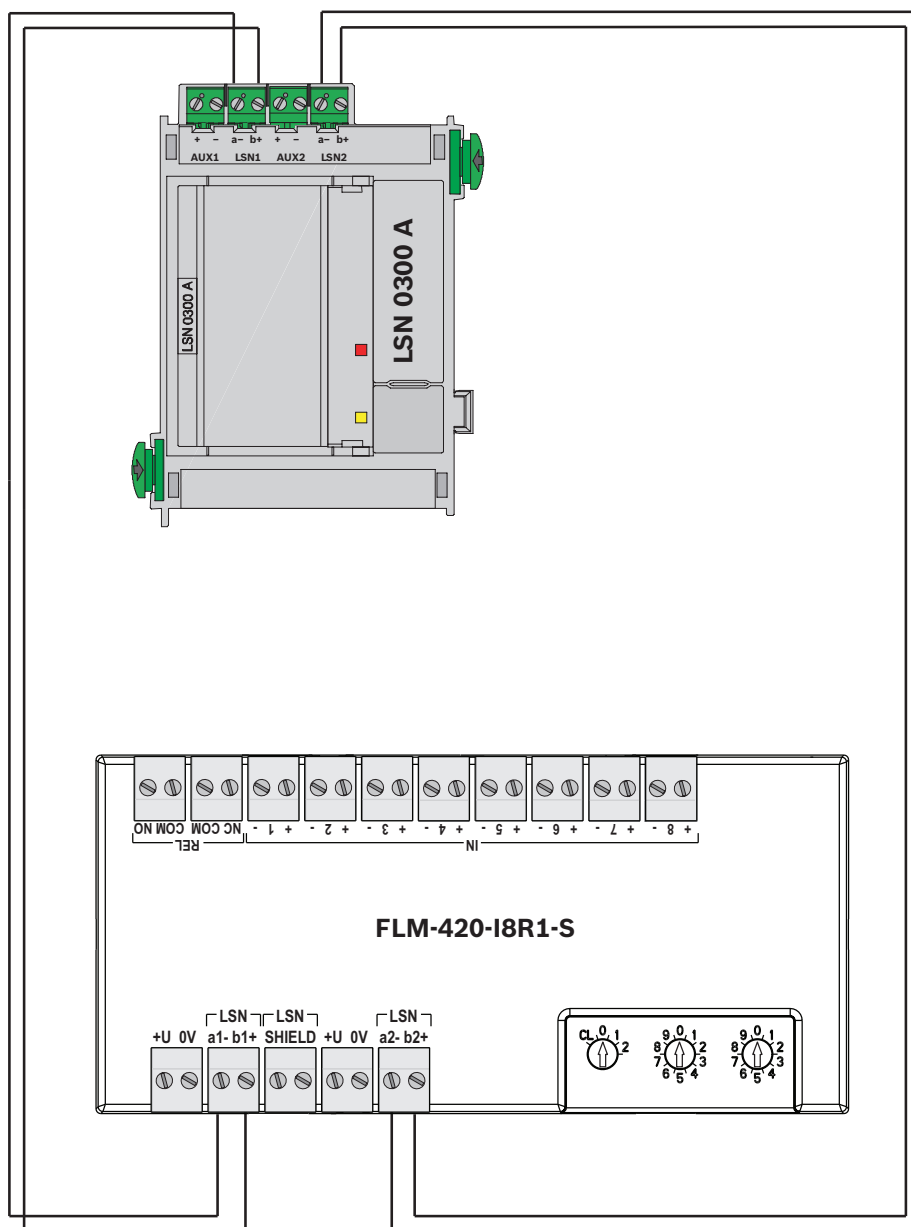


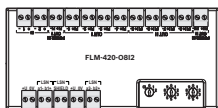
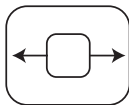
FLM-420-I2-E/W
FLM-420-RLV1-E



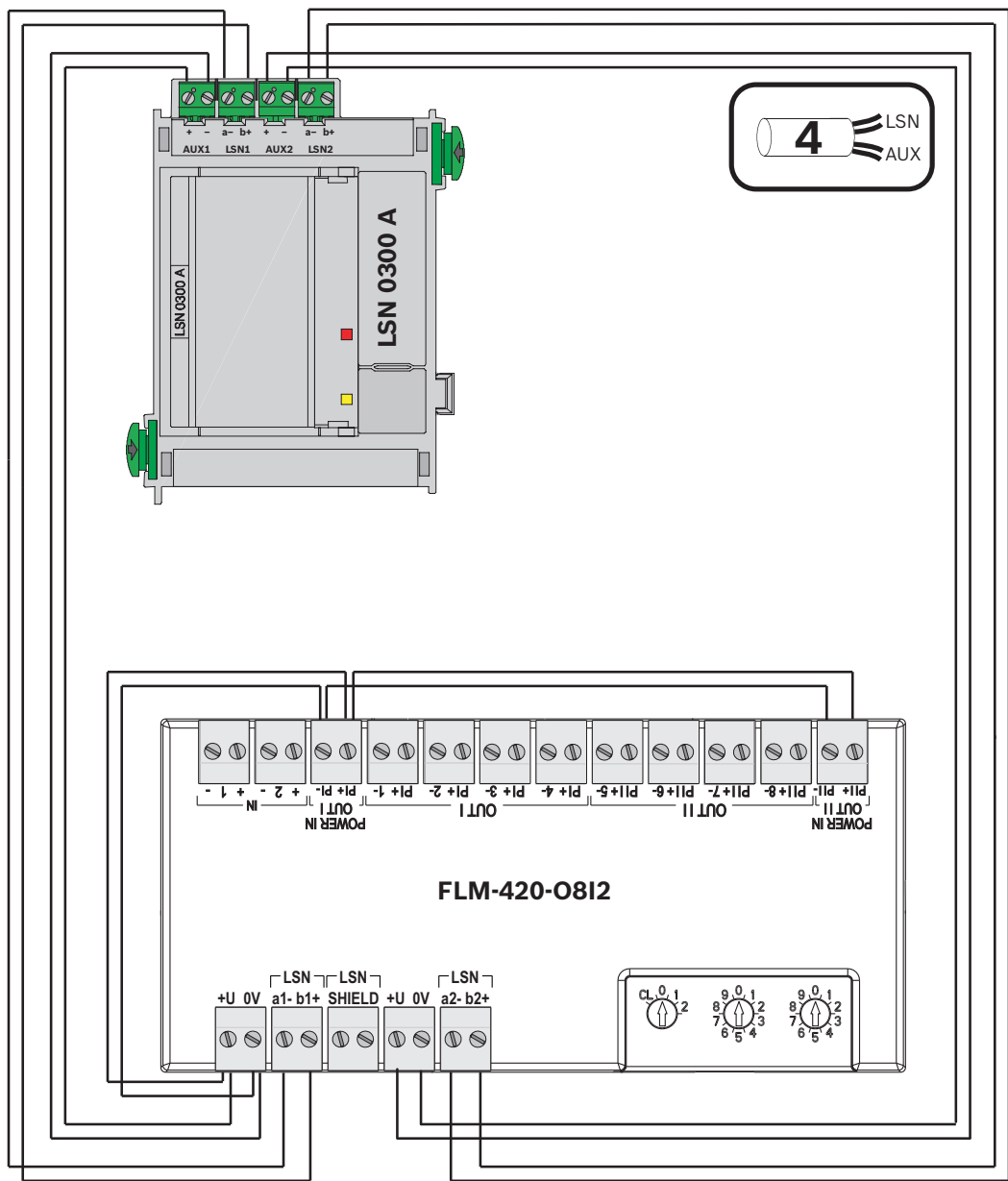
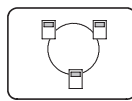
VdS 2489

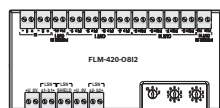
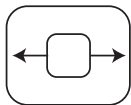


**FLM-420-I8R1-S****VdS 2489**

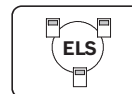


FLM-420-08I2-S

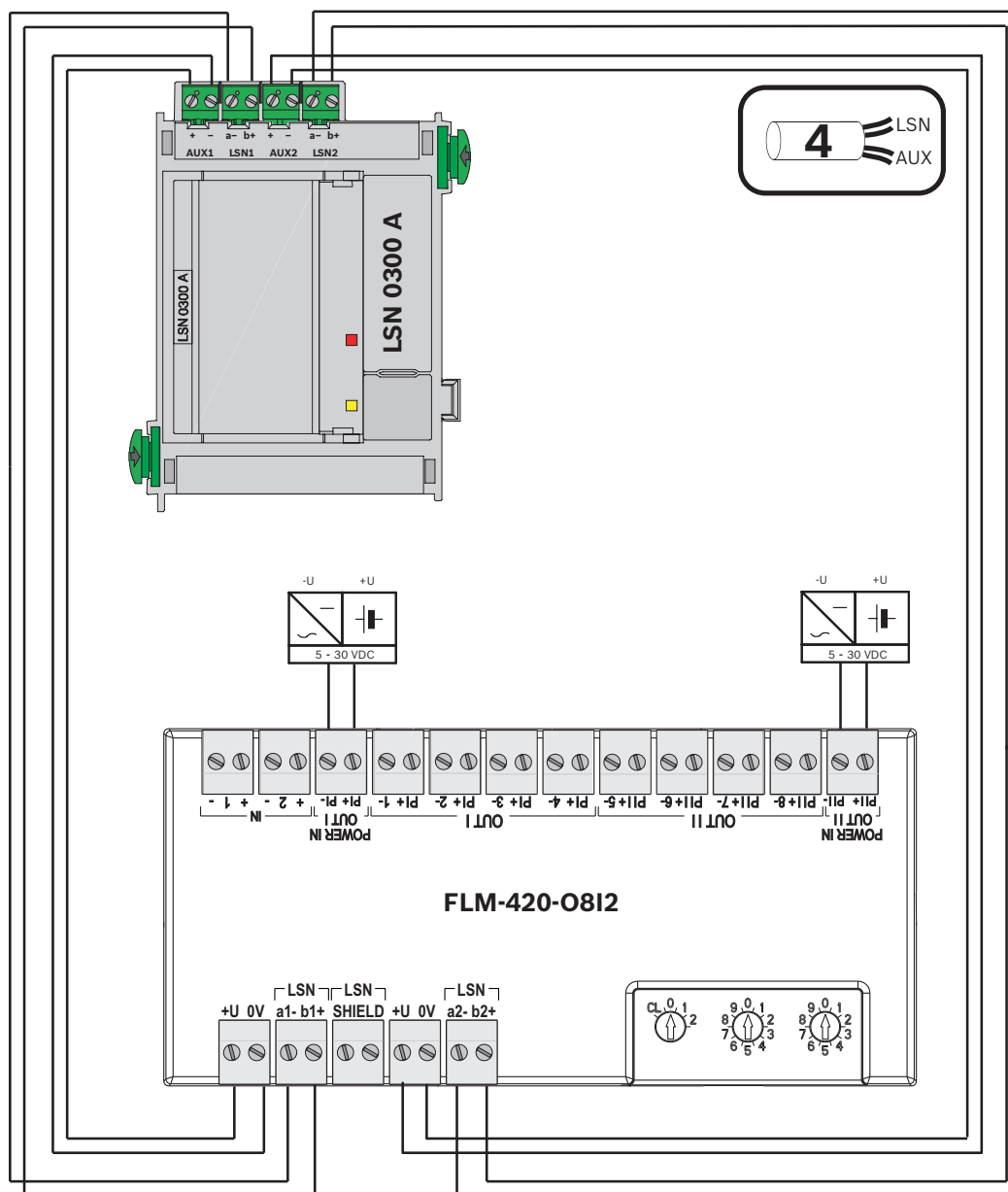


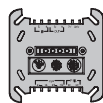
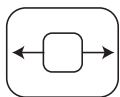


FLM-420-O8I2-S

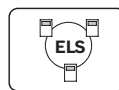


VdS 2489

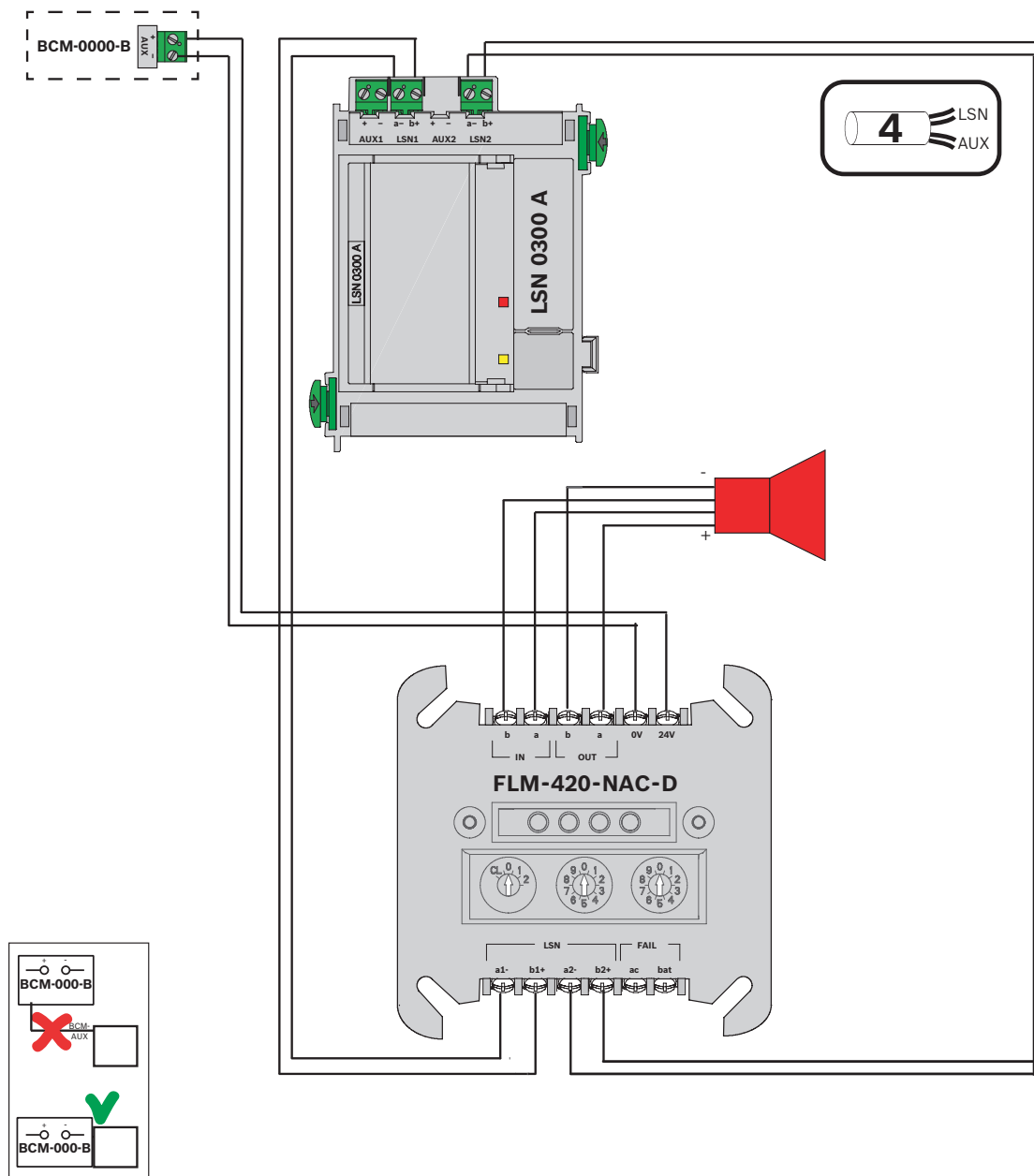


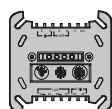
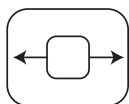
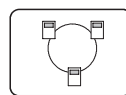
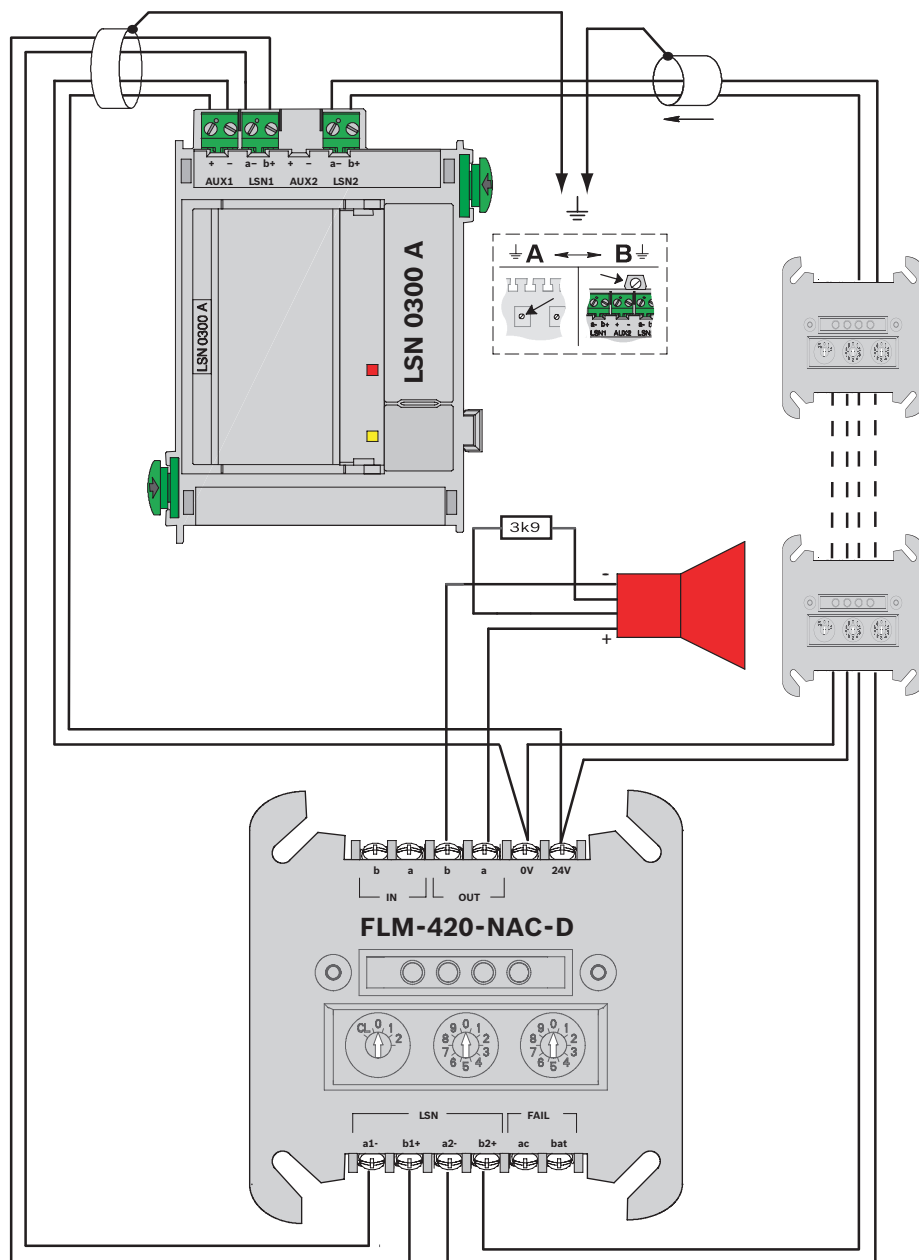


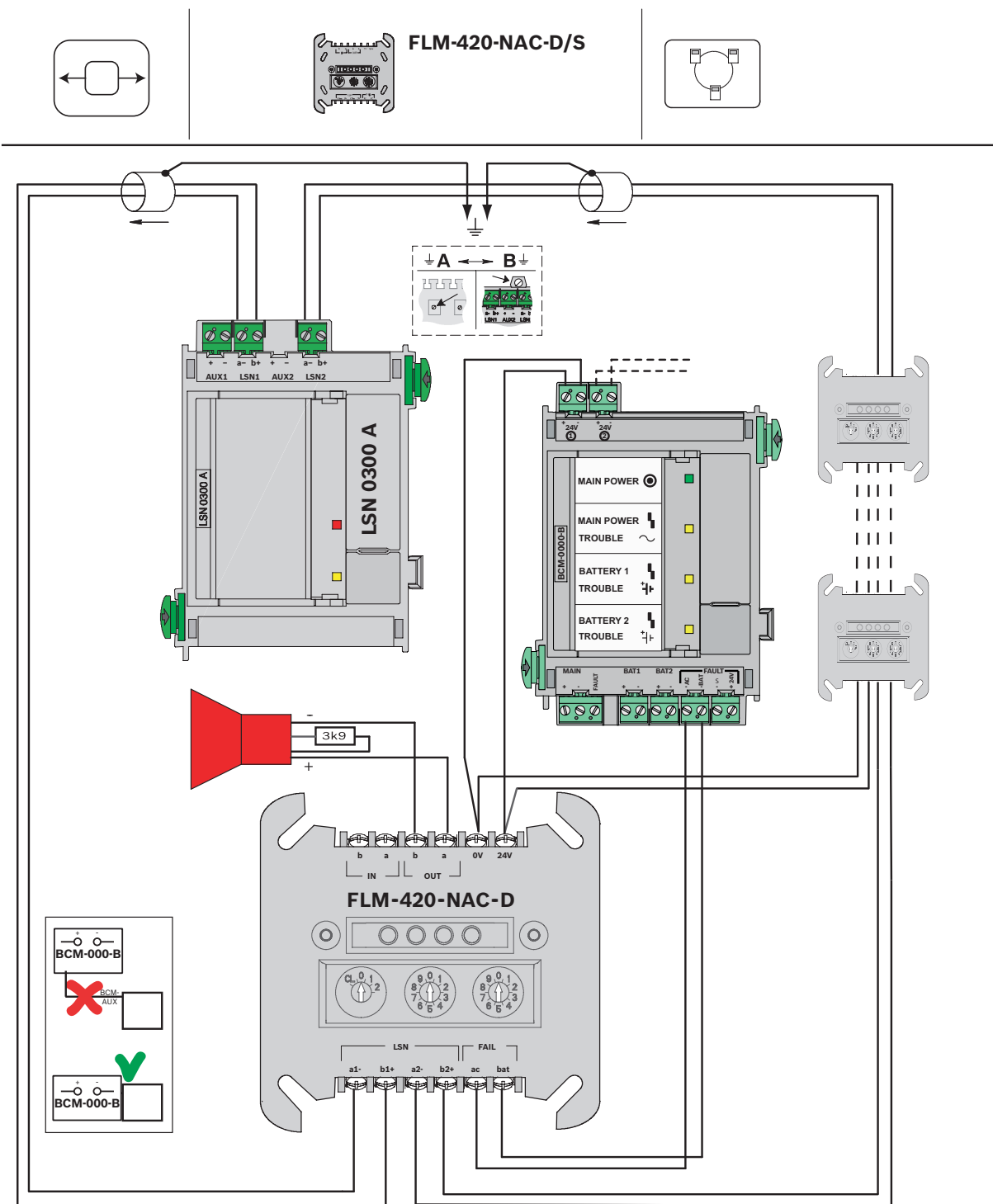
FLM-420-NAC-D/S

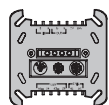
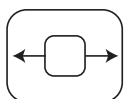


VdS 2489

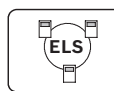


**FLM-420-NAC-D/S****EN 54-2**

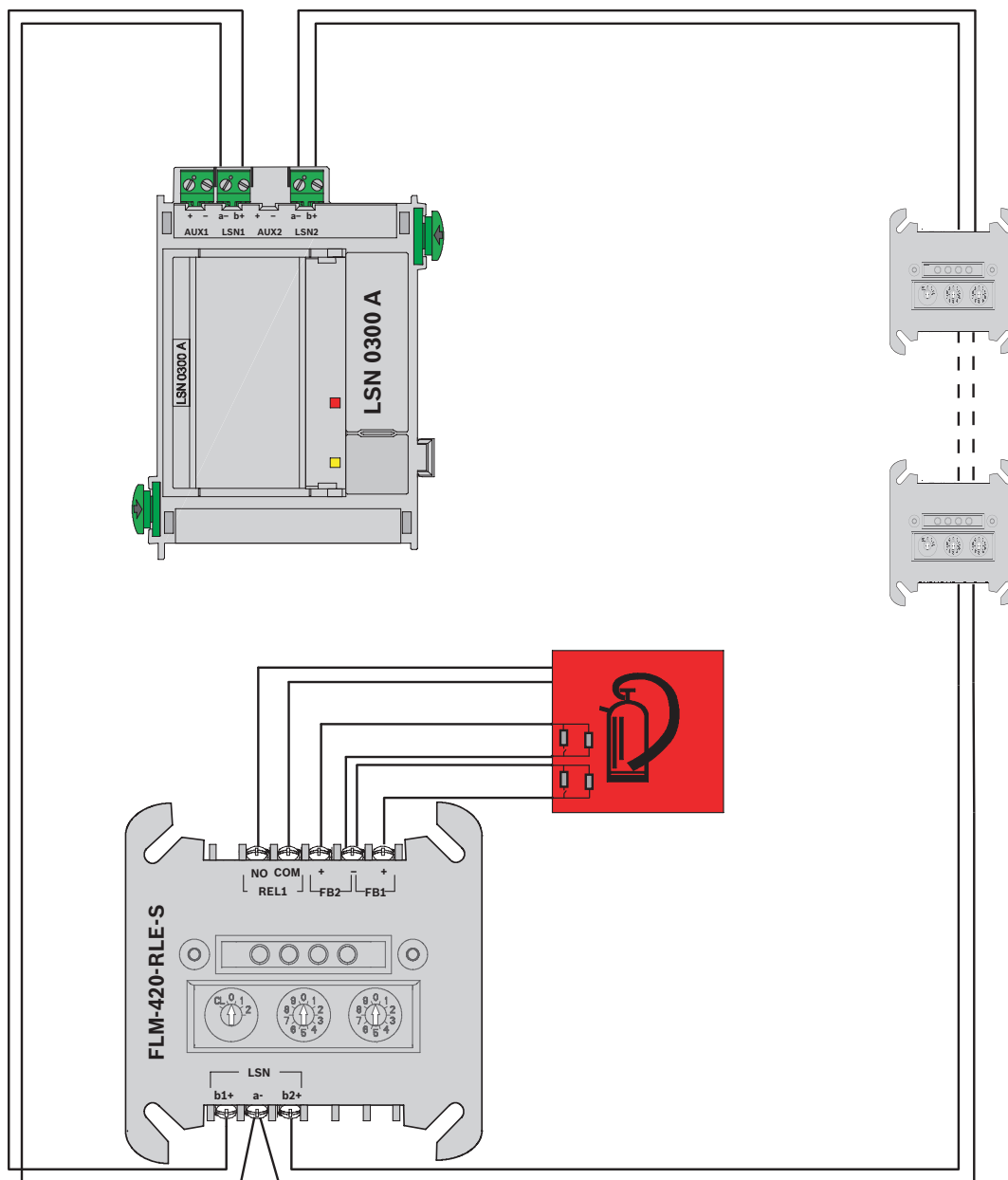


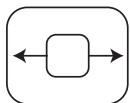


FLM-420-RLE-S

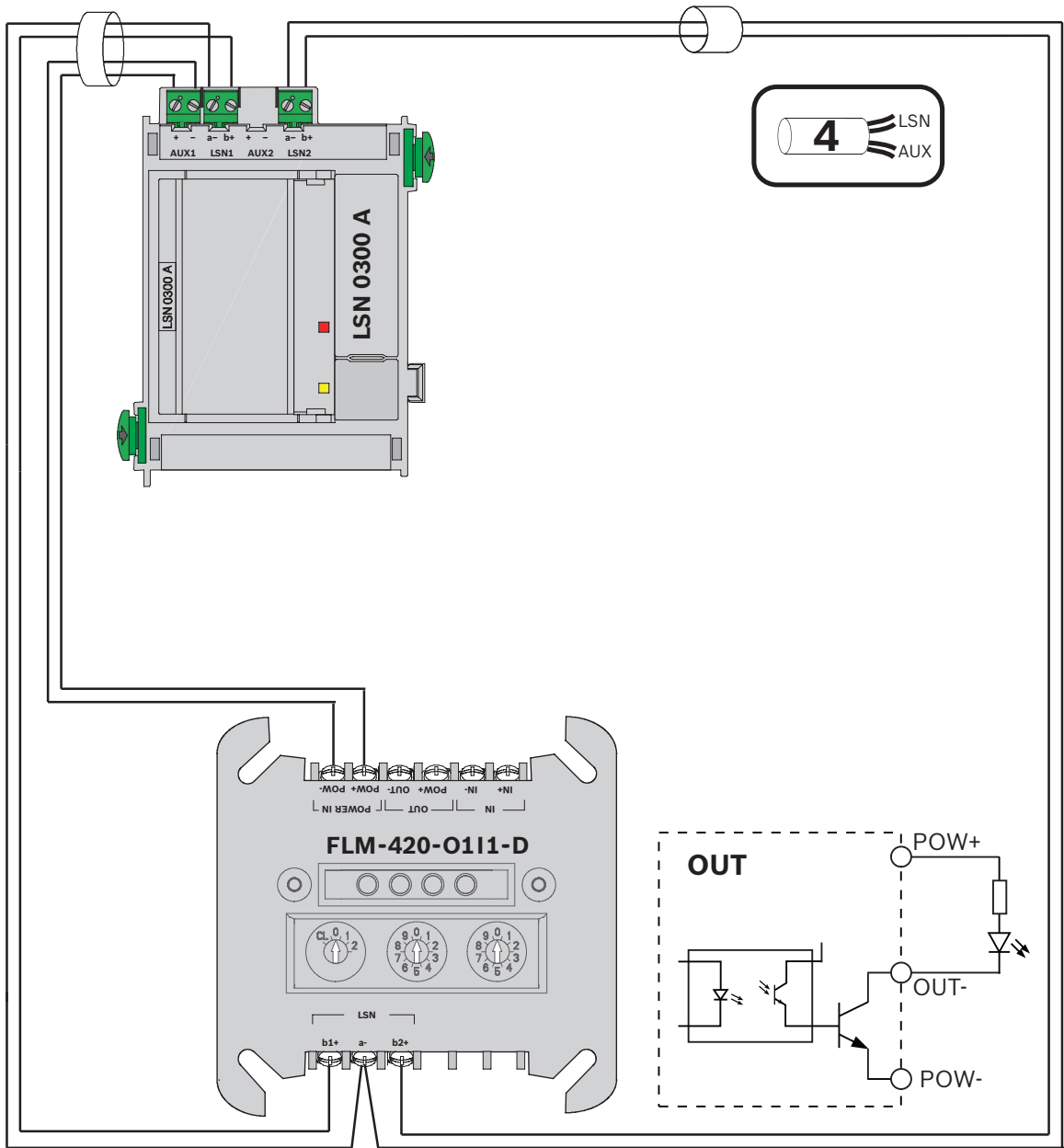
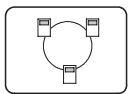


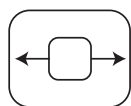
VdS 2489



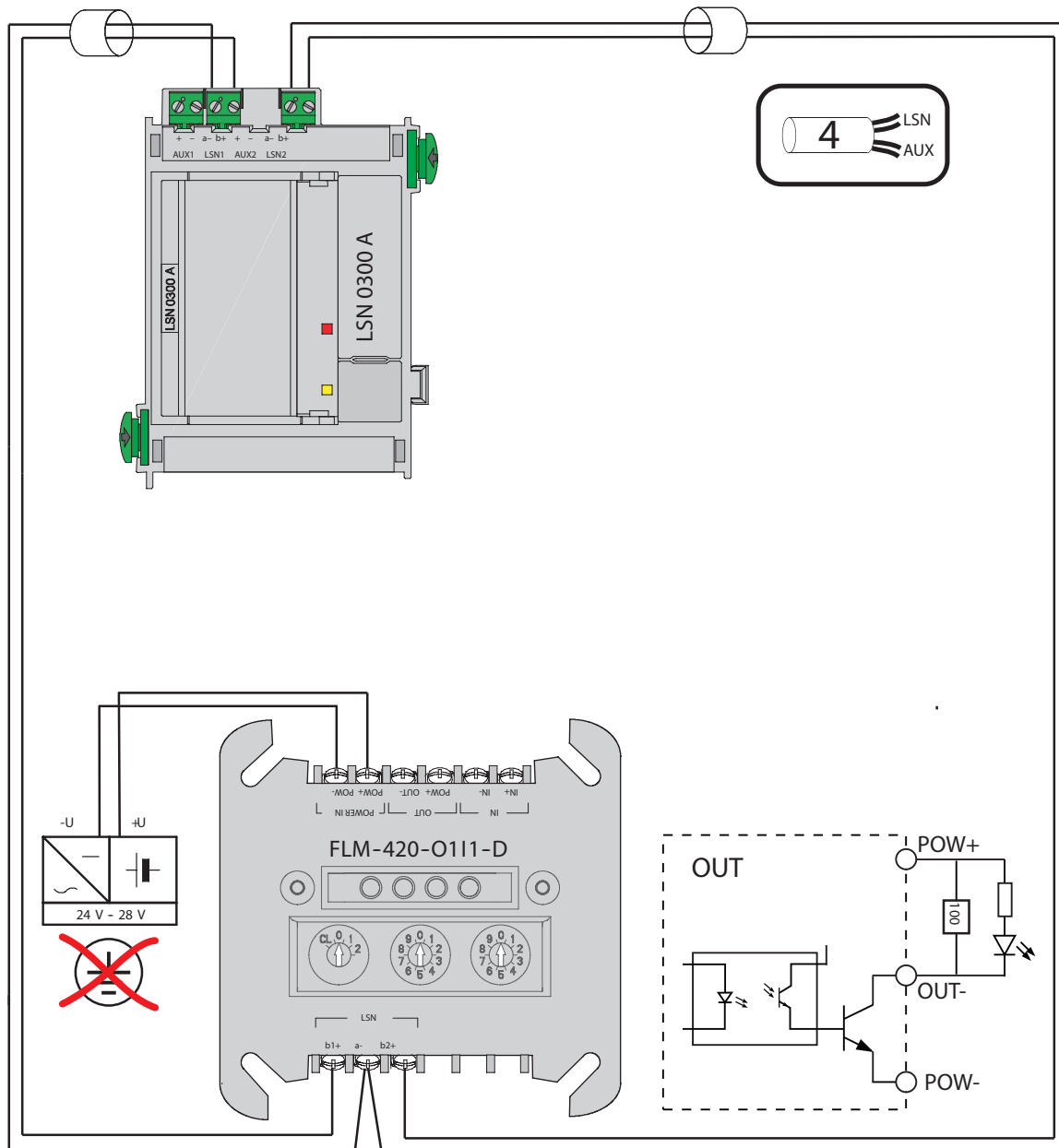
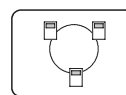


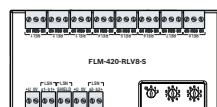
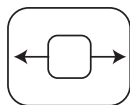
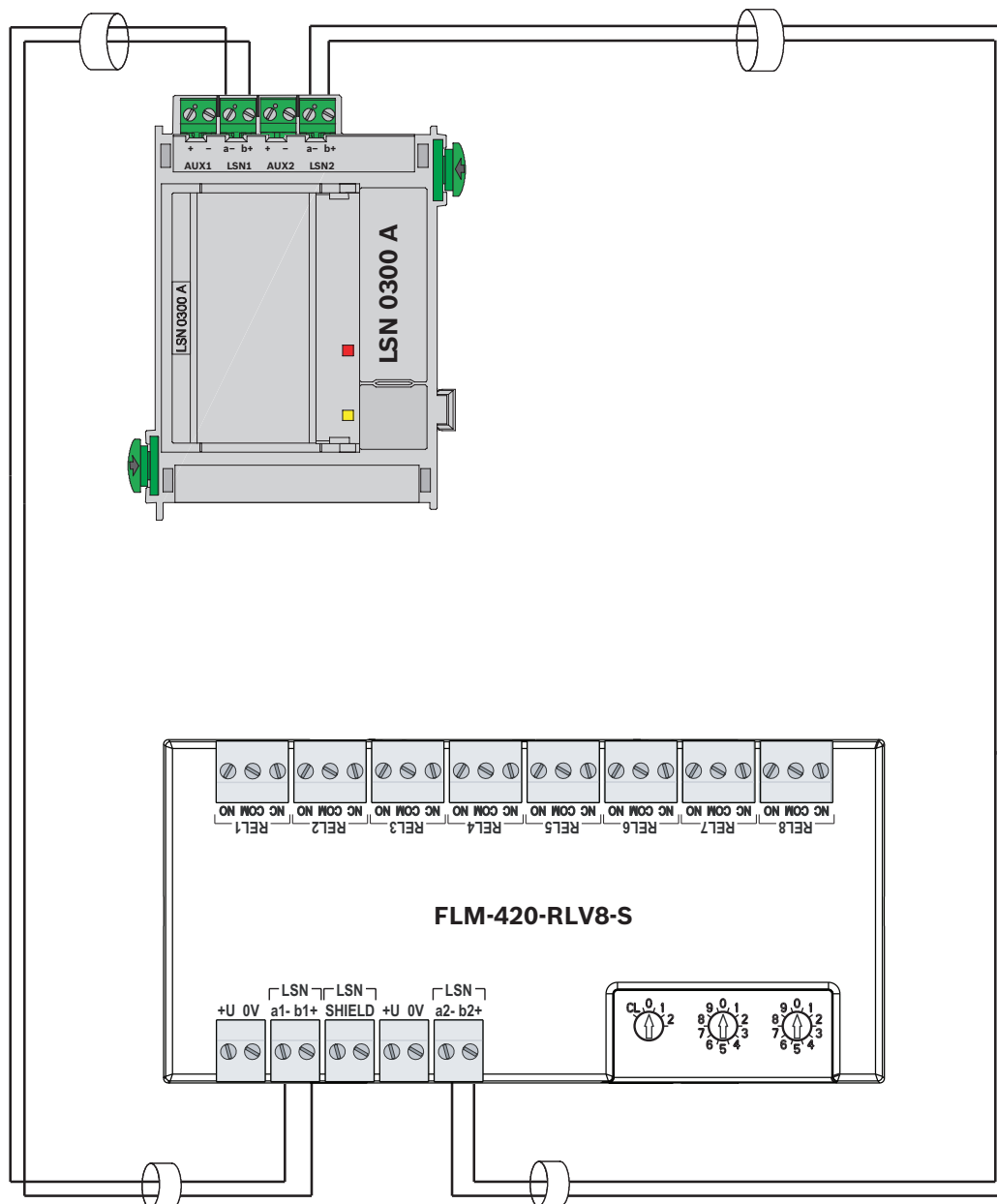
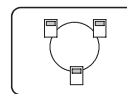
FLM-420-O111-D

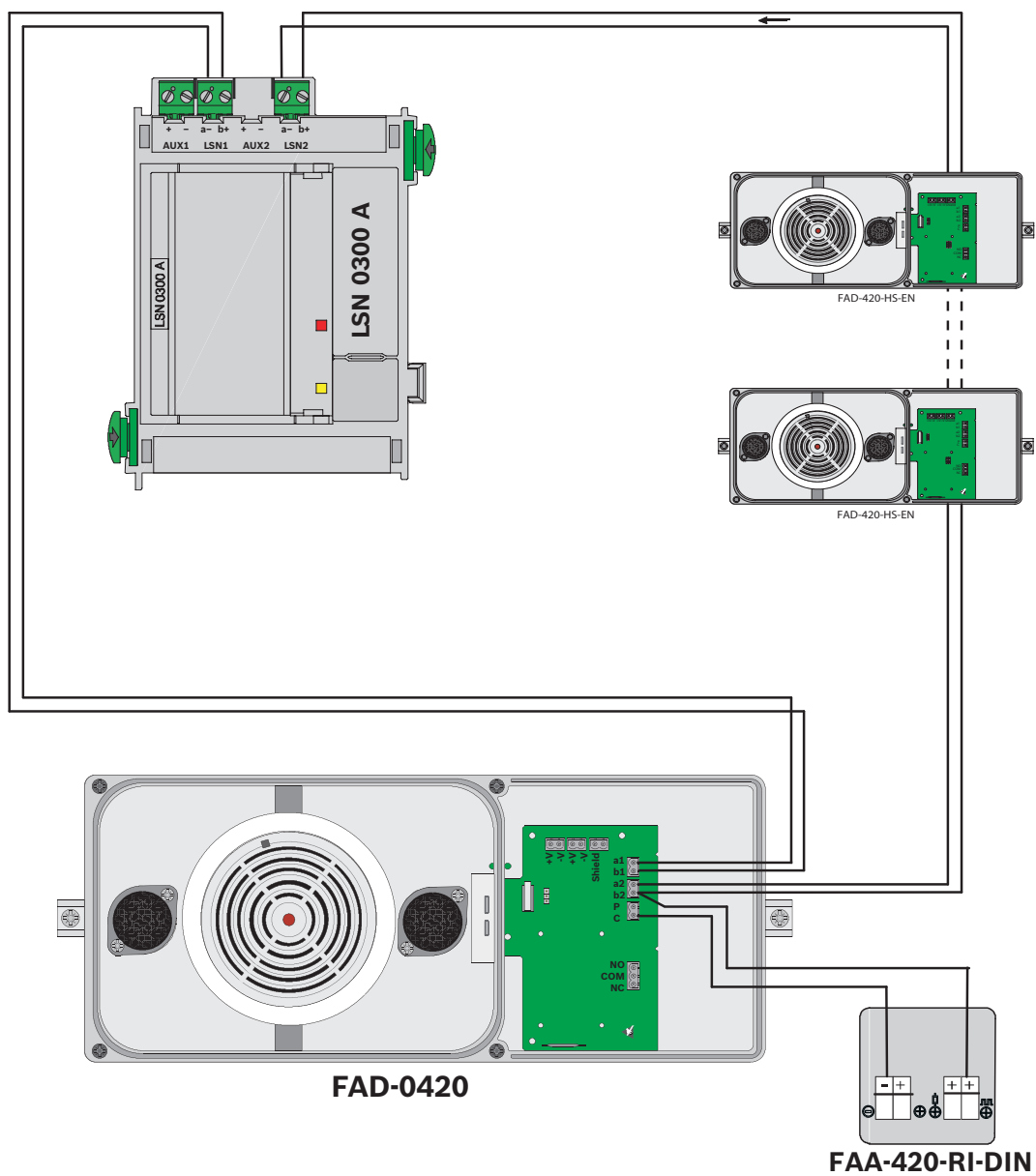


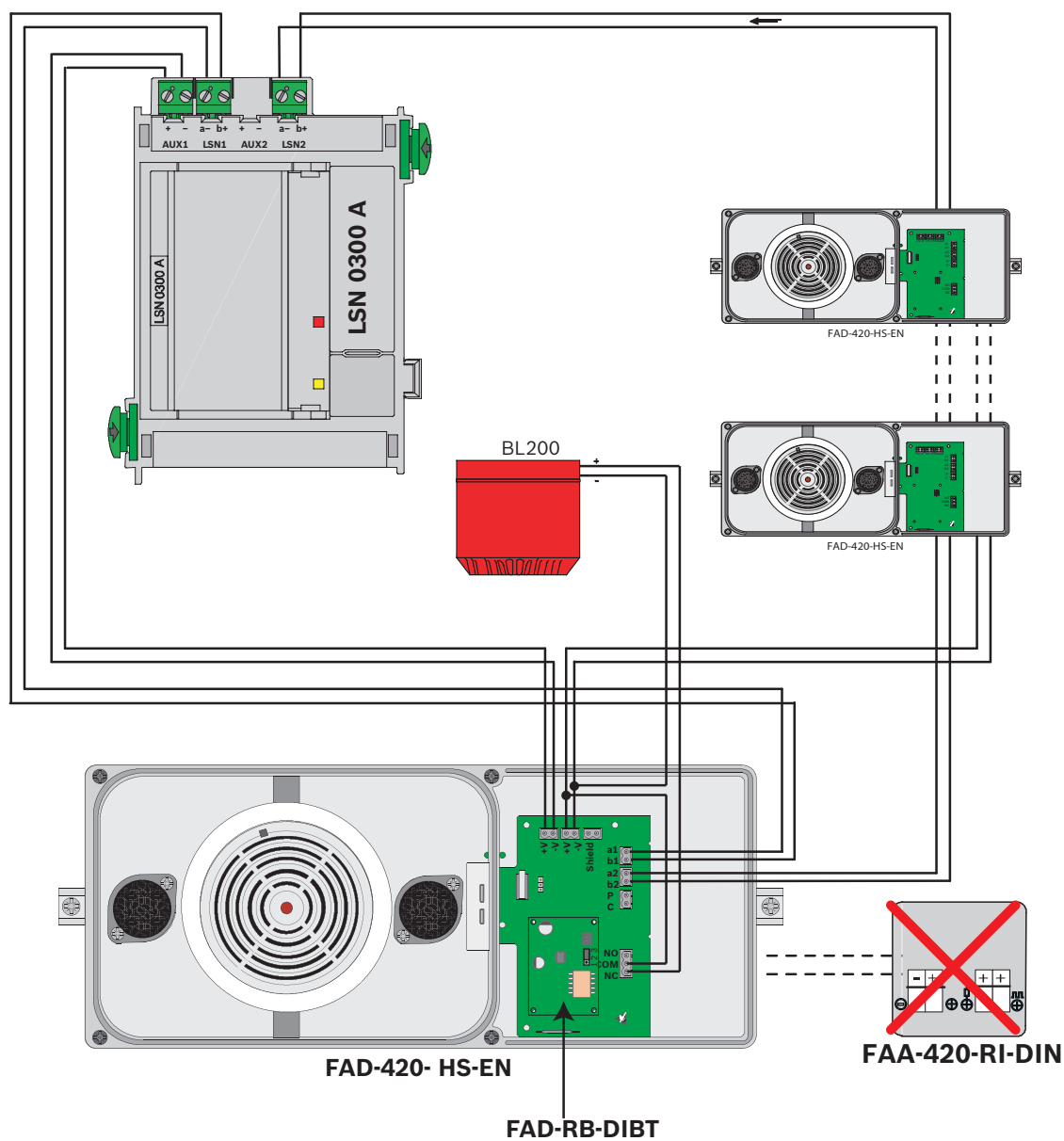


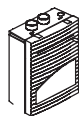
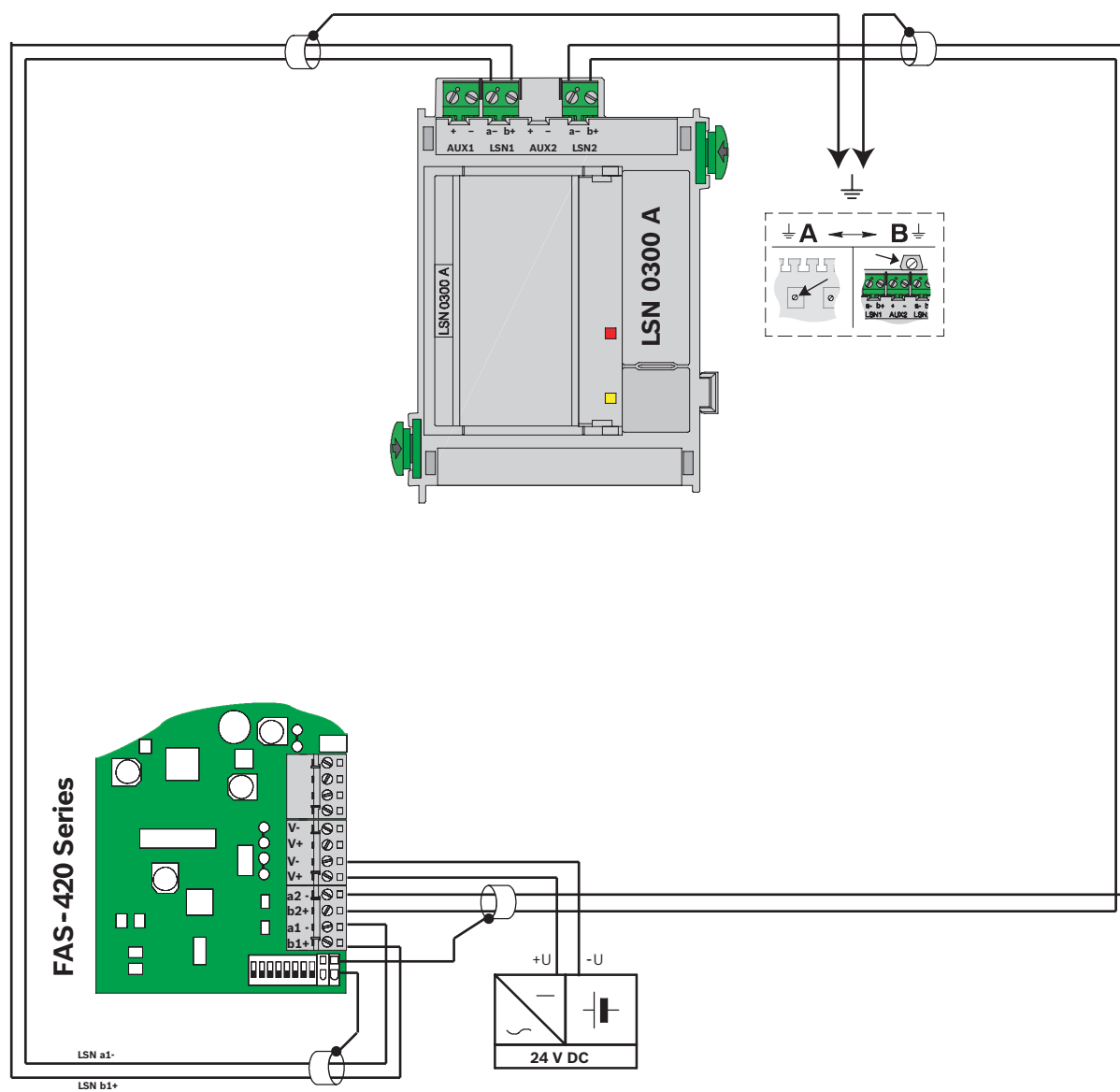
FLM-420-O1I1-D

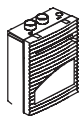


**FLM-420-RLV8-S**

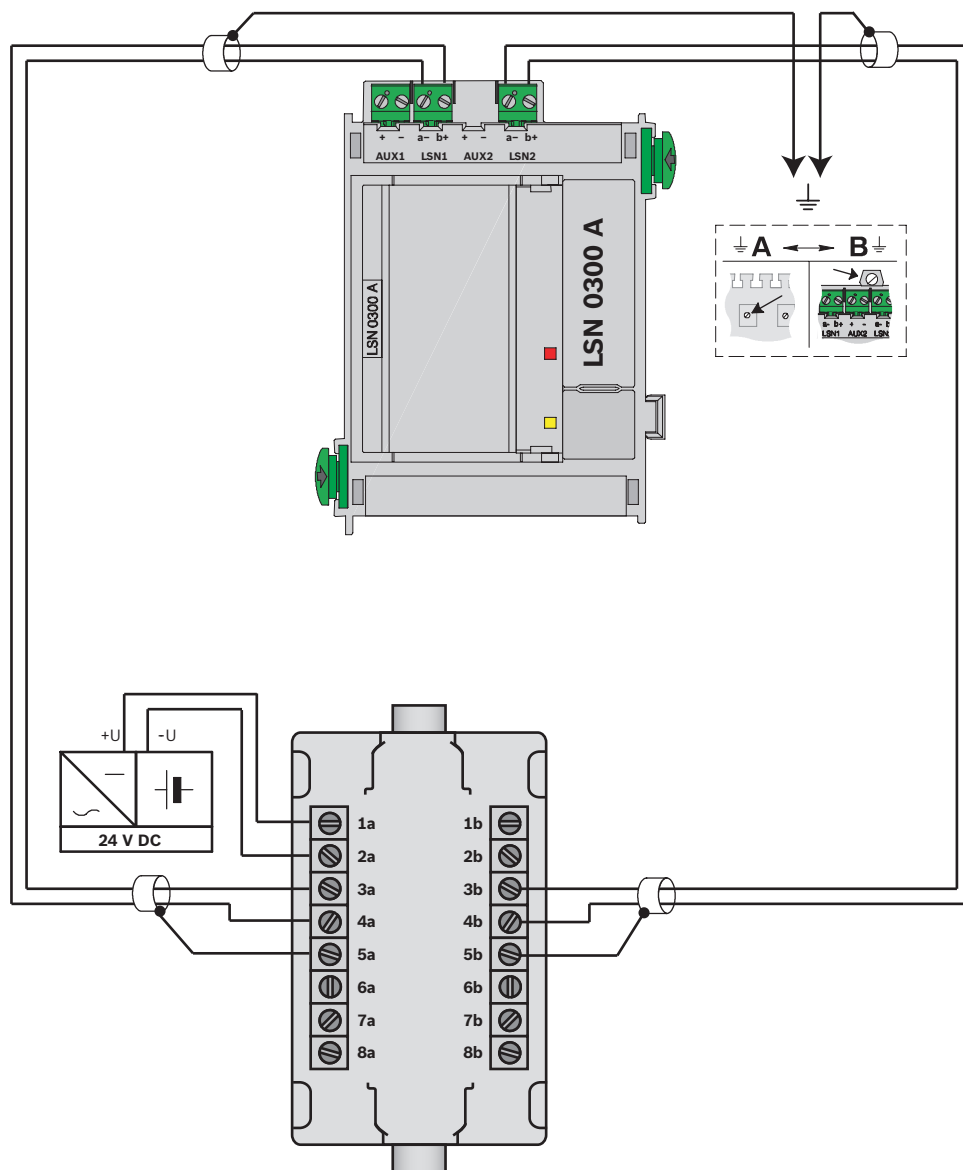
**FAD-0420**

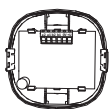
**FAD-420-HS-EN**

**FAS-420 Series**

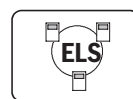


FAS-420-TM Series

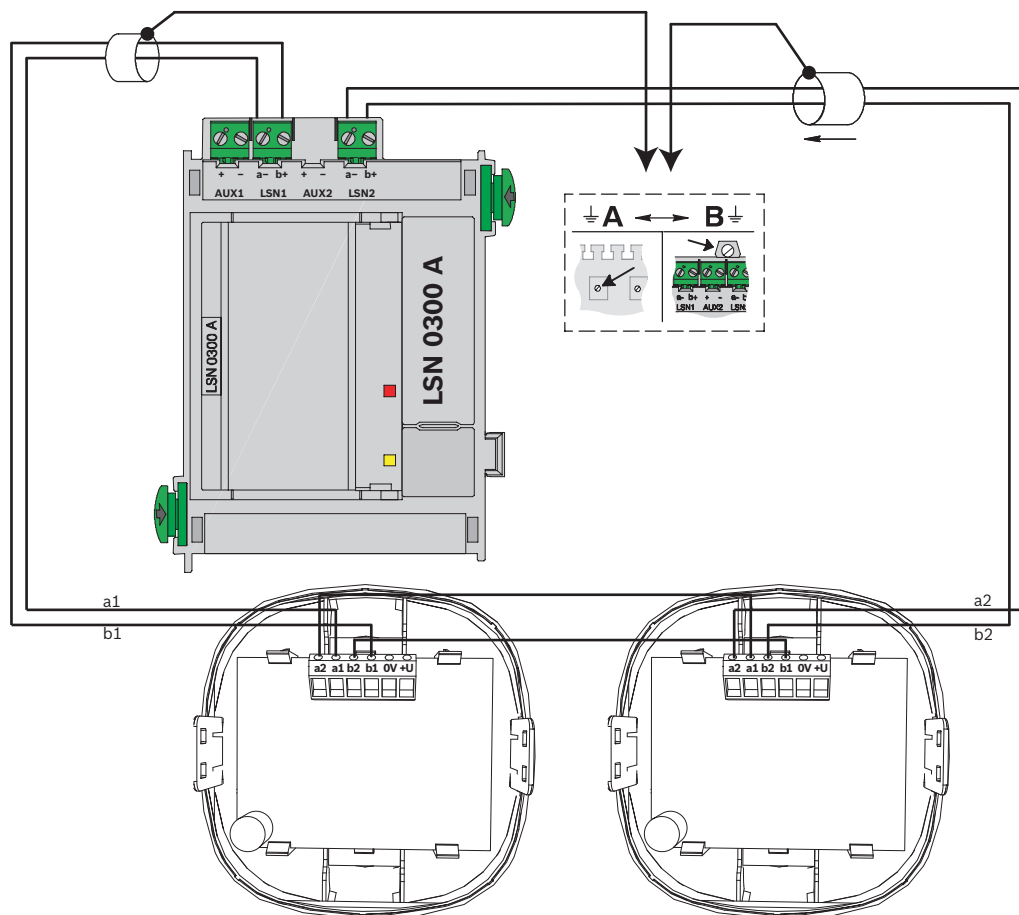




FNM-420-A / -B
FNM-420U-A / -B
FNM-420V-A



VdS 2489

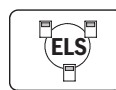


FNM-420-A/-B
FNM-420U-A/-B
FNM-420V-A

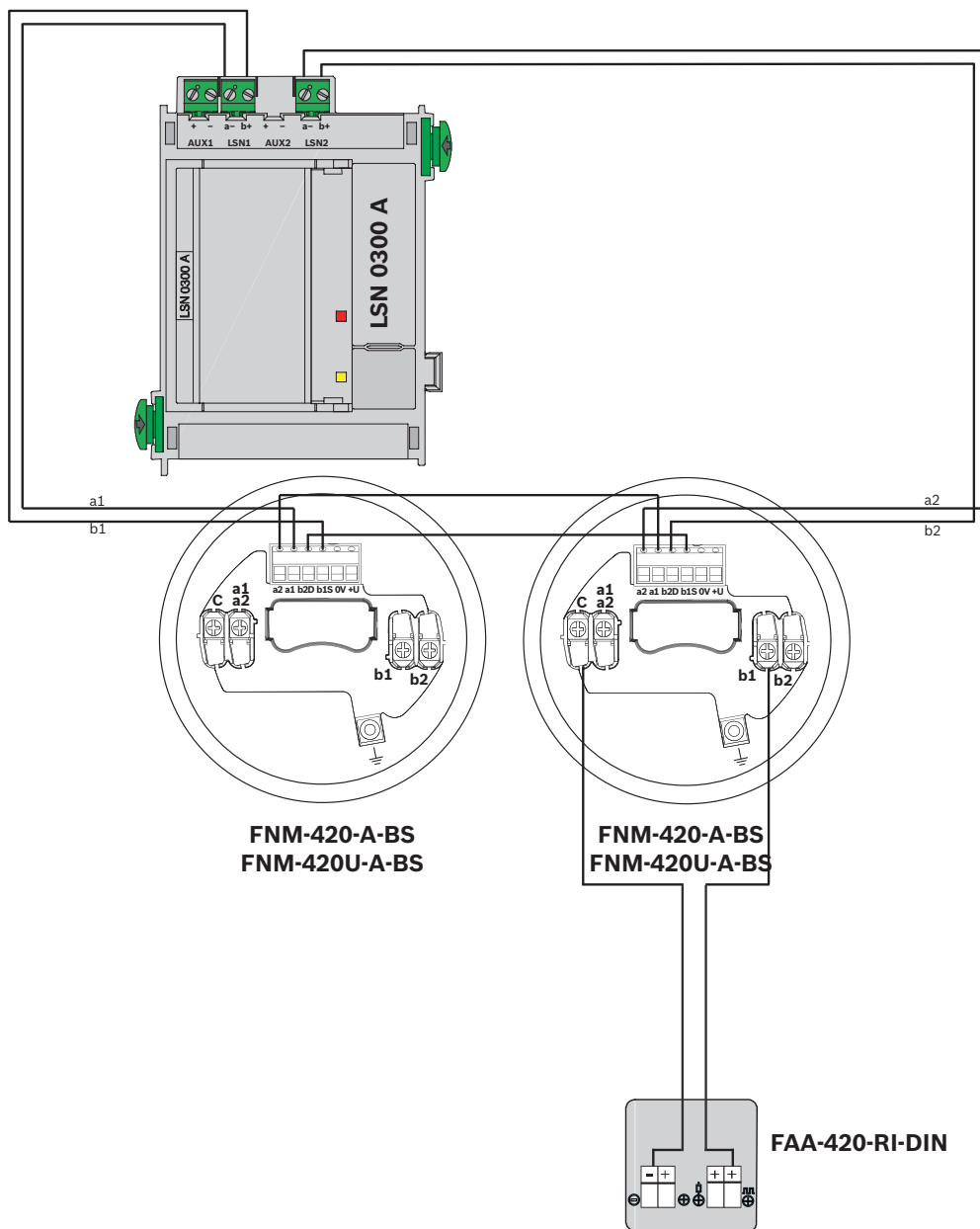
FNM-420-A/-B
FNM-420U-A/B
FNM-420V-A



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



VdS 2489

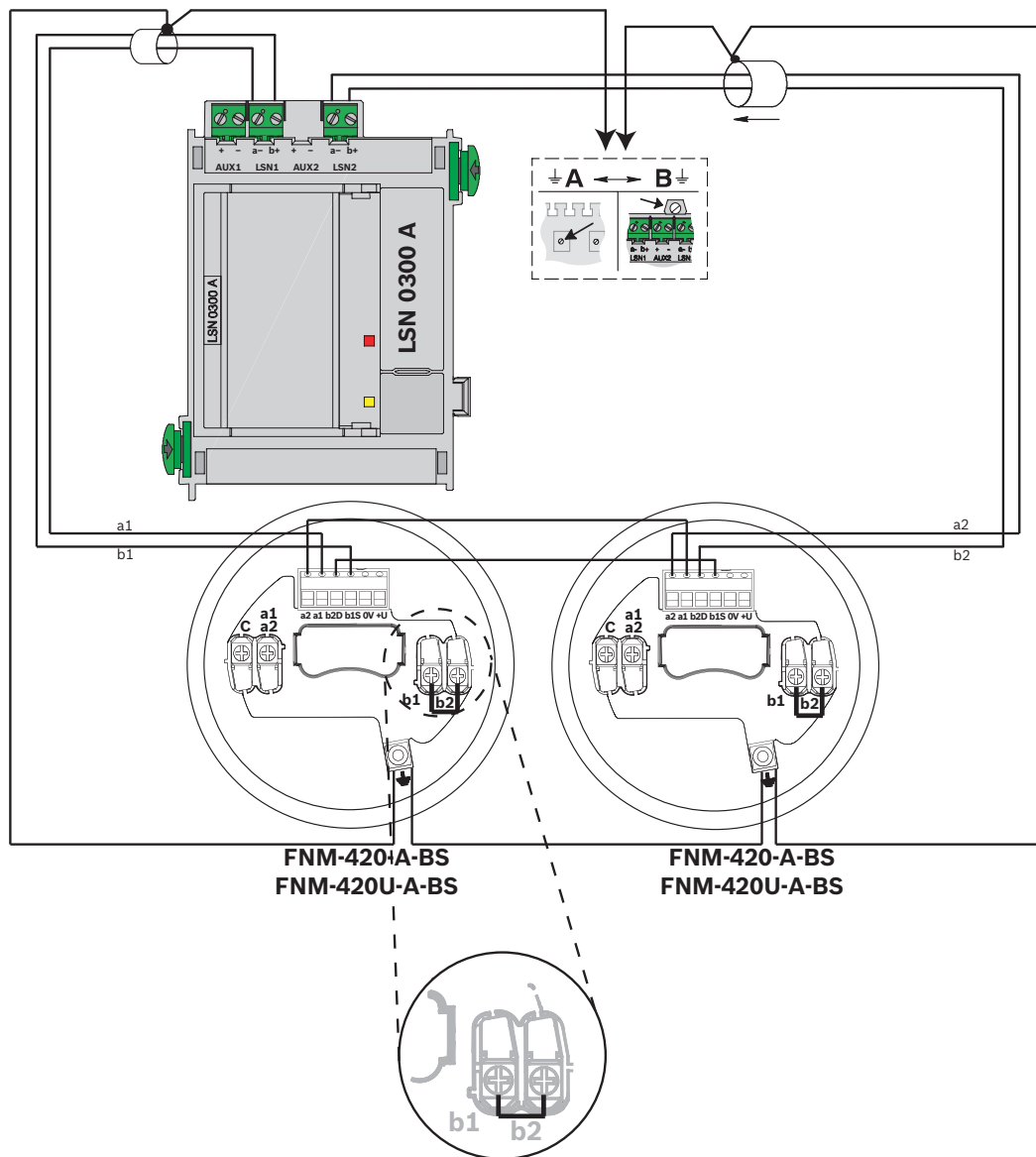




FNM-420-A-BS
FNM-420U-A-BS

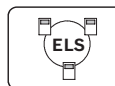


VdS 2489

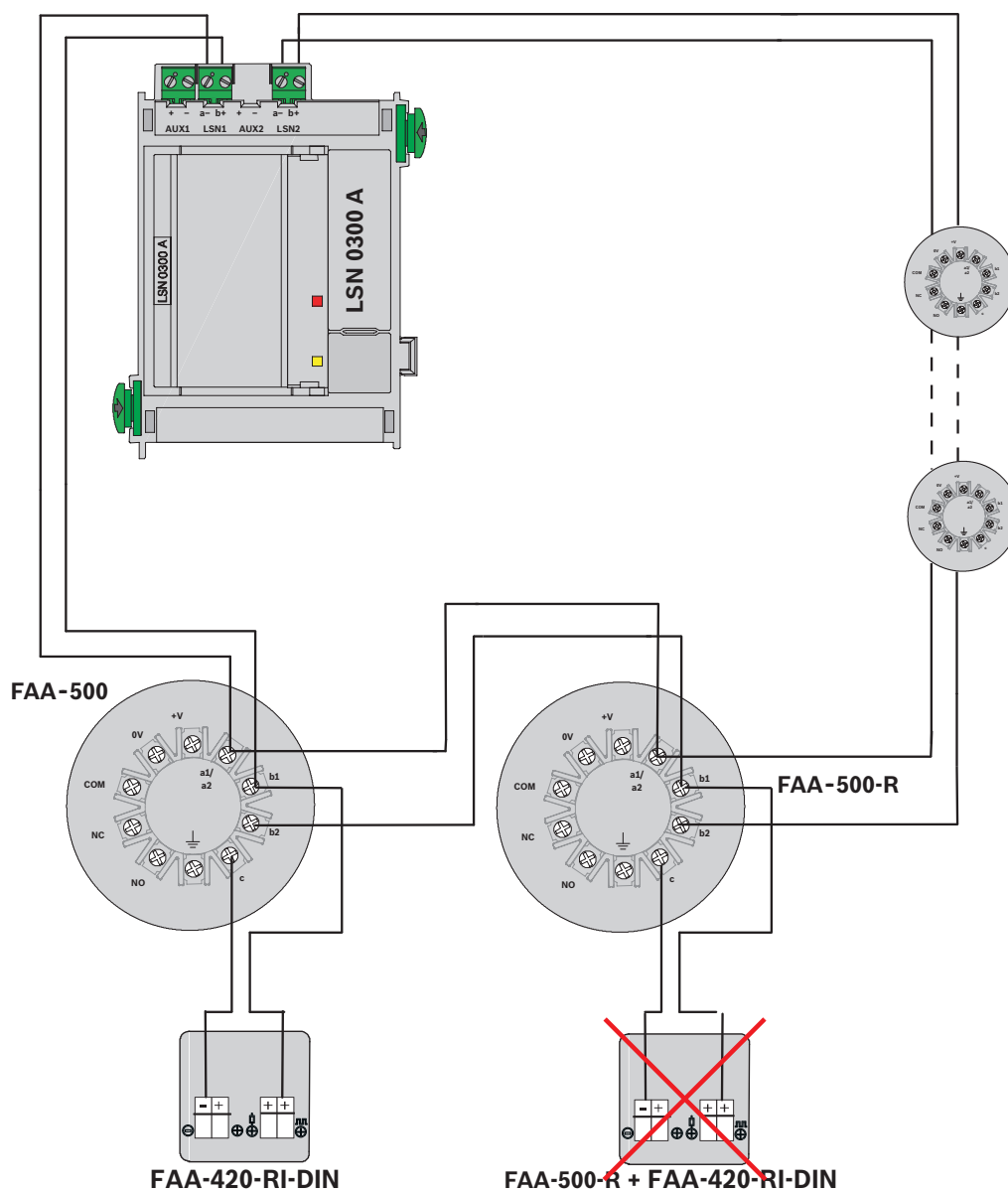




FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P

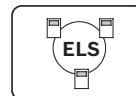


VdS 2489

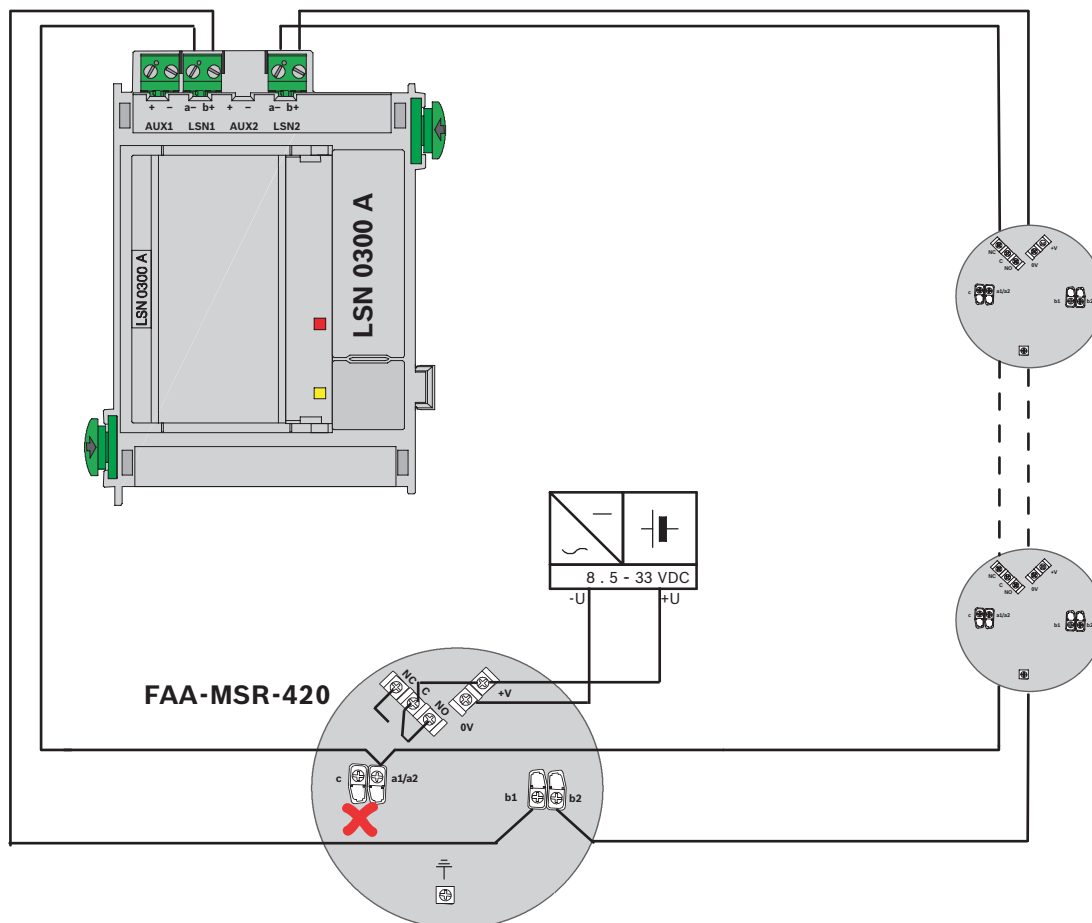




FAP-425-O/-O-R
FAP-425-OT/-OT-R
FAP-425-T-R
FAP-425-DO-R/-DOT-R/-DOTC-R

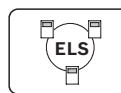


VdS 2489

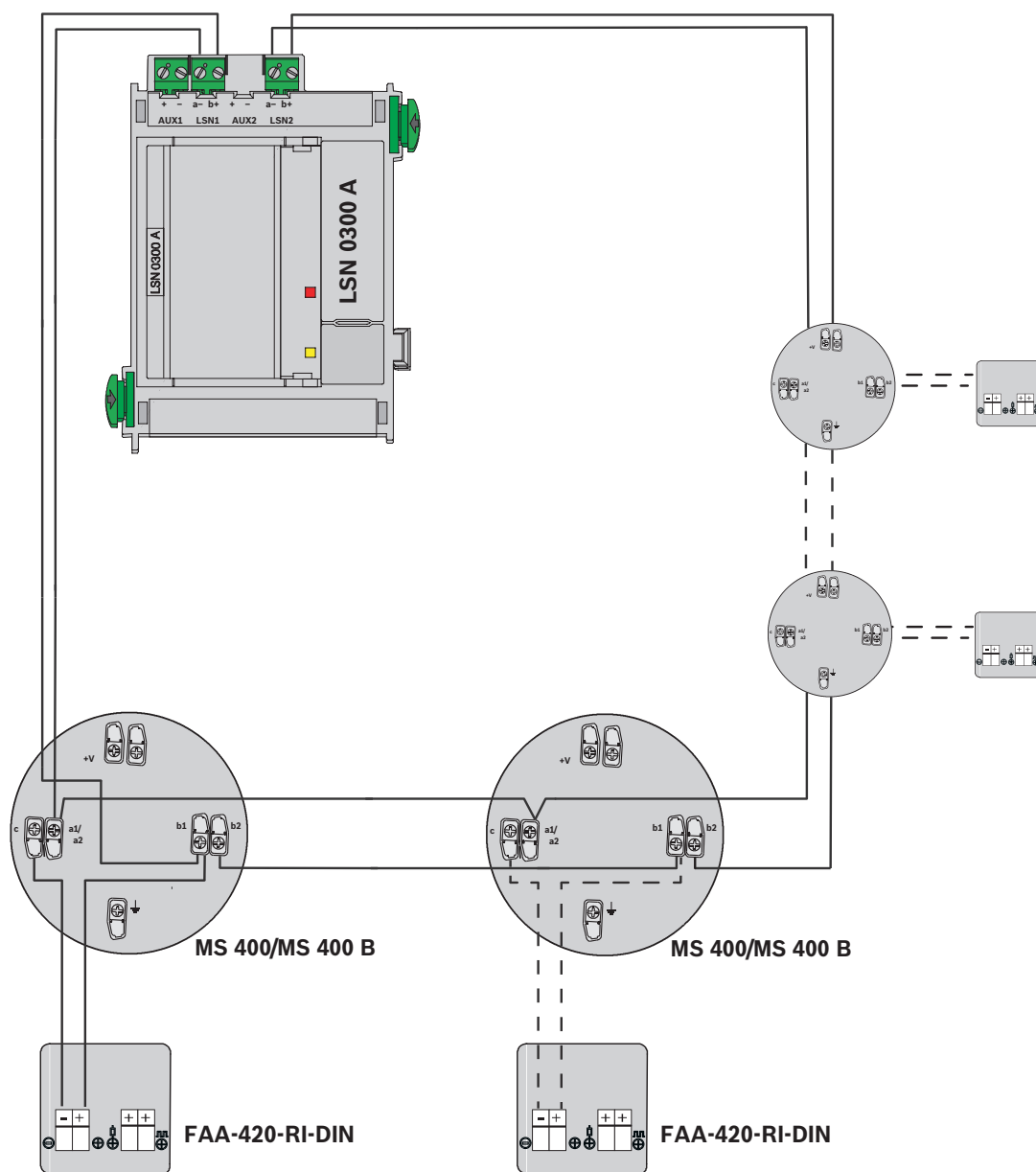


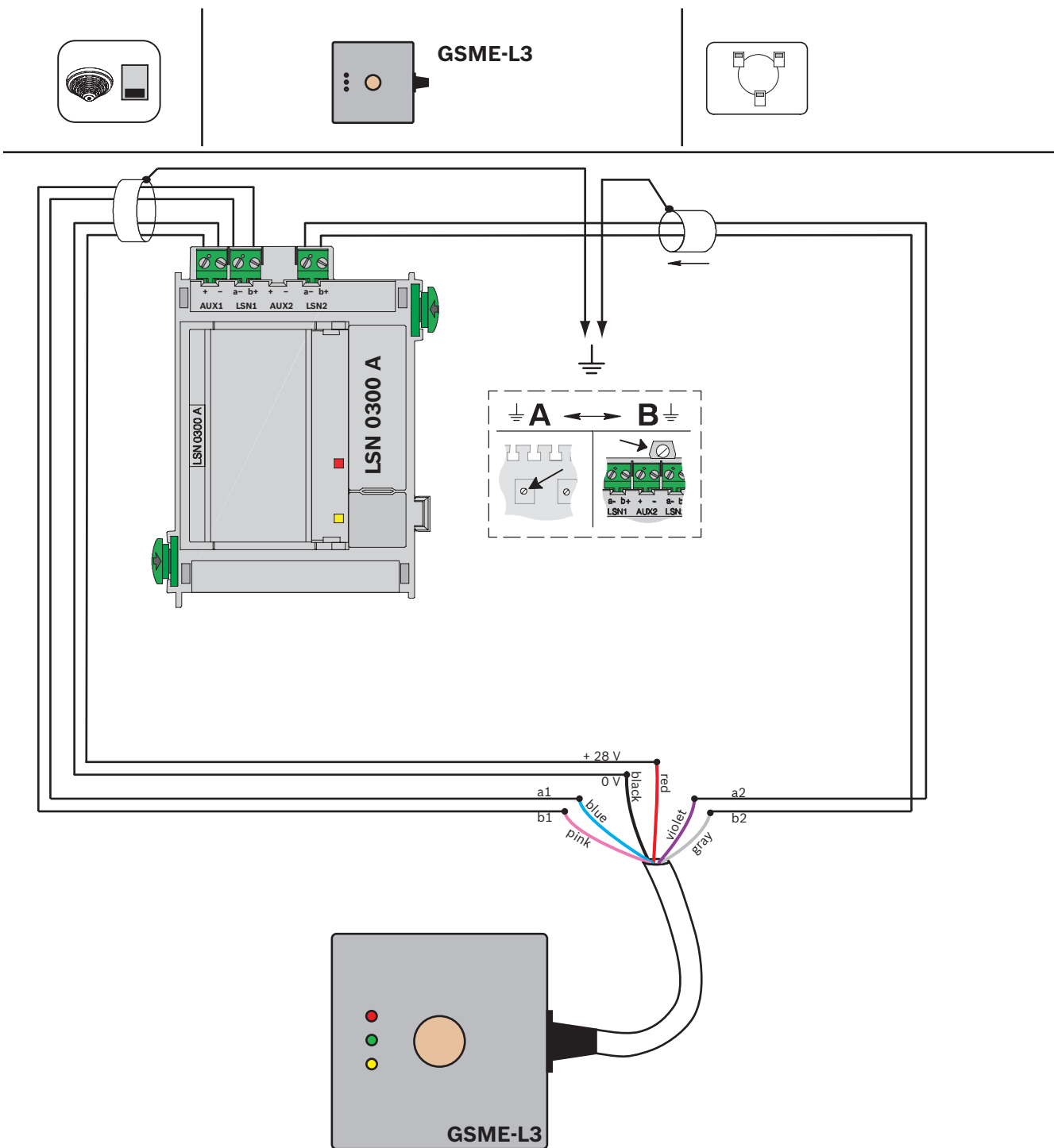


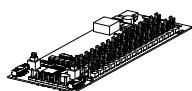
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 FAP-425-DO-R/DOT-R/-DOTC-R
 FCH-320-T320/-T320-R470/-T320-FSA
 FCP-O320/-O320-R470
 FCP-OC320/-OC320-R470
 FCP-OT320/-OT320-R470



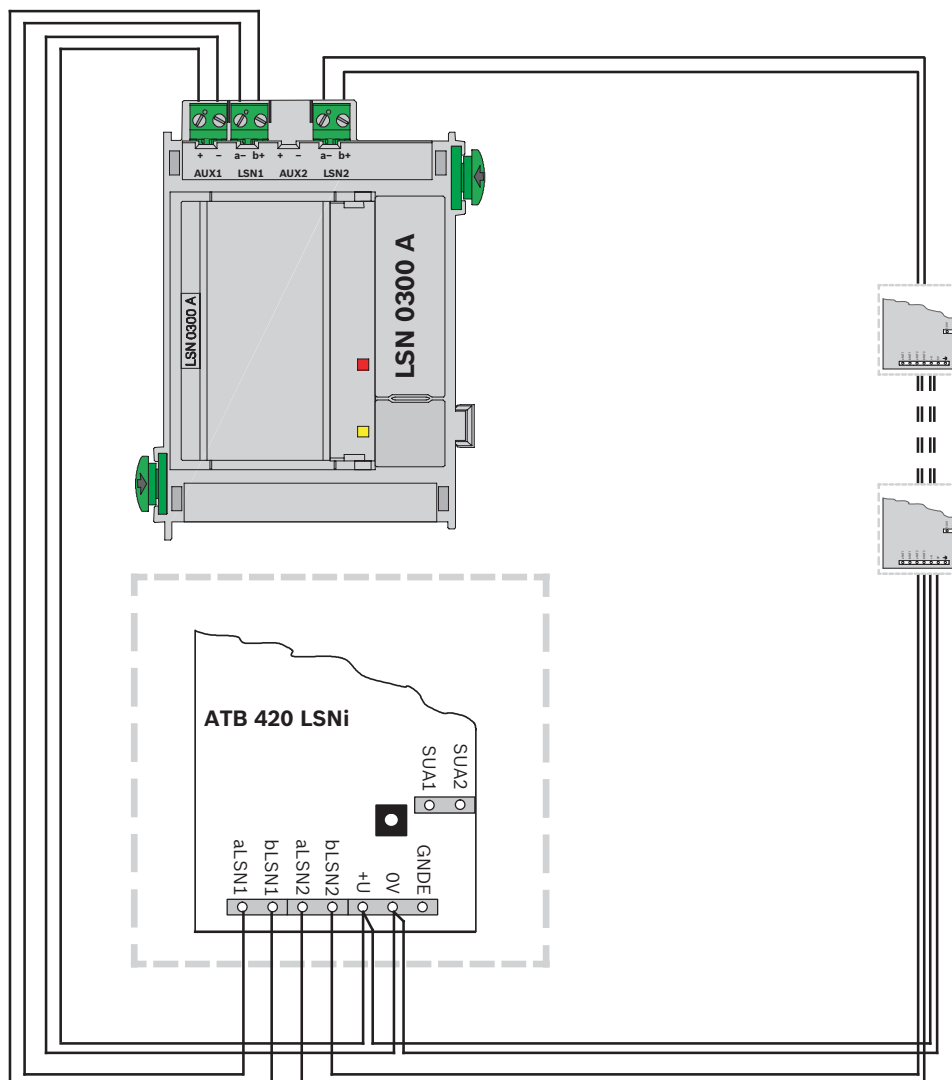
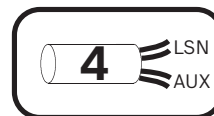
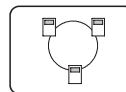
VdS 2489





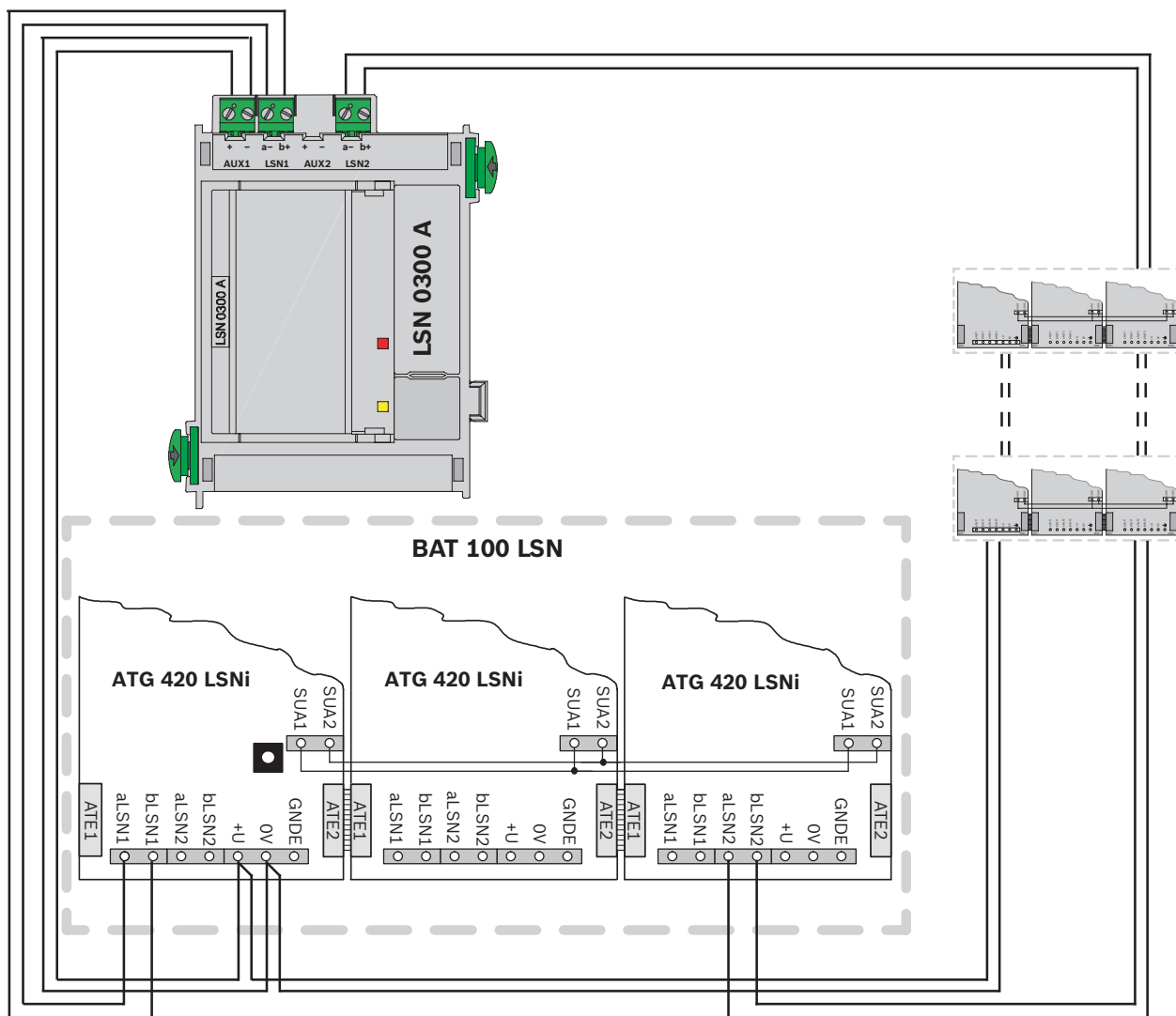
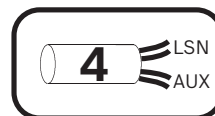
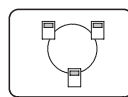


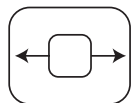
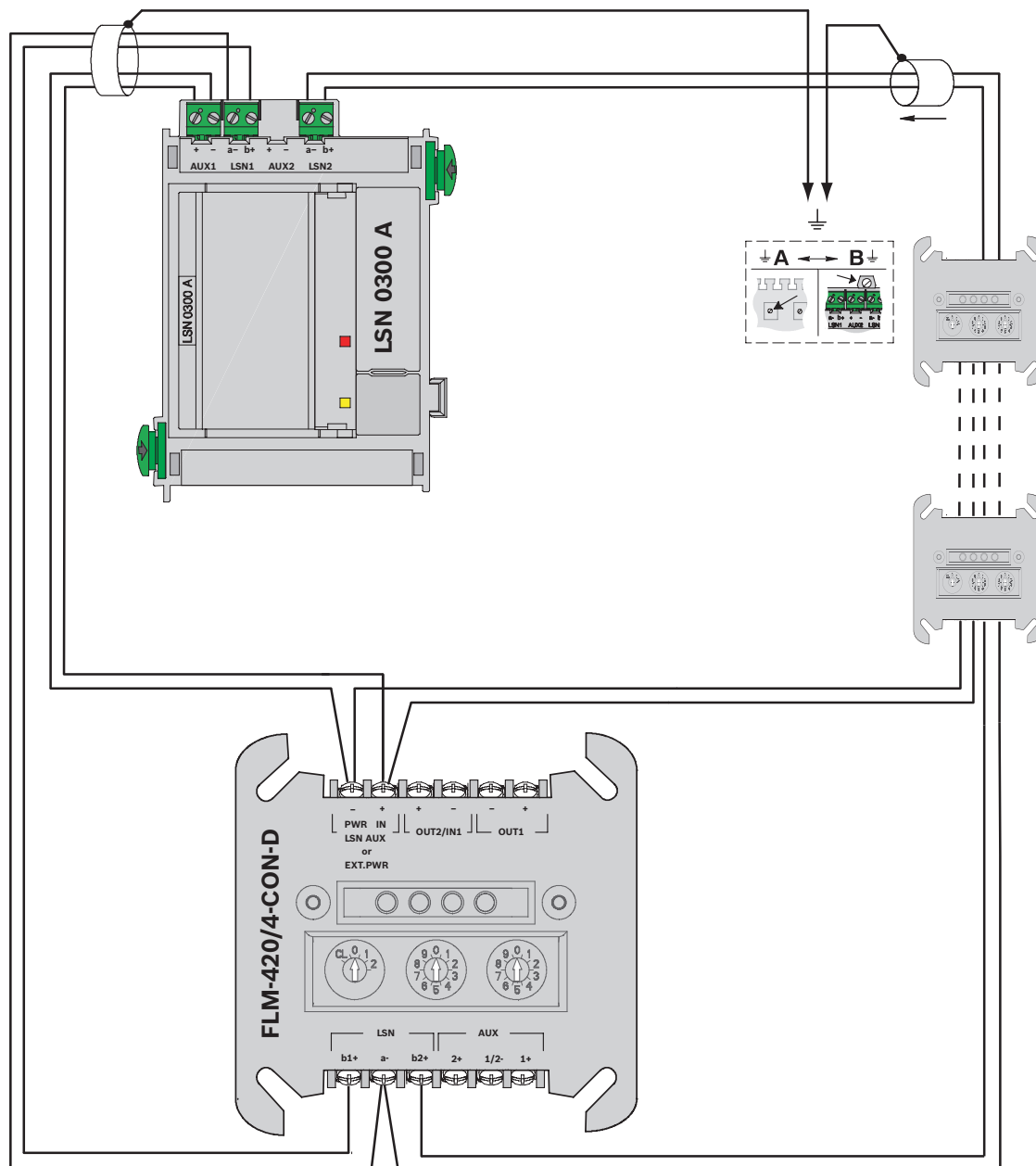
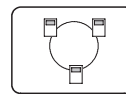
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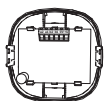




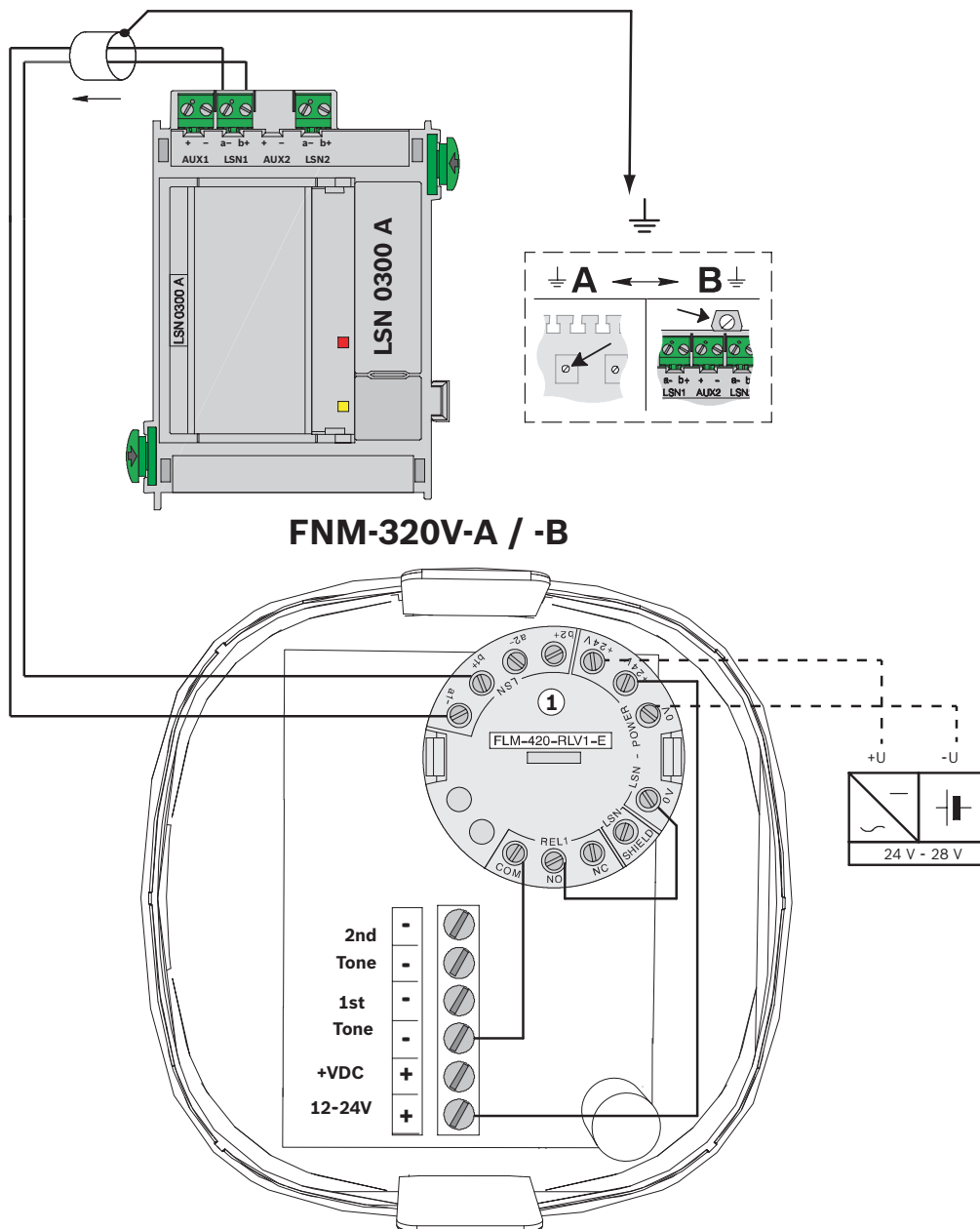
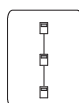
BAT 100 LSN
ATG 420 LSNi

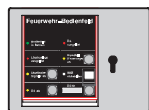


FLM-420/
4-CON-D

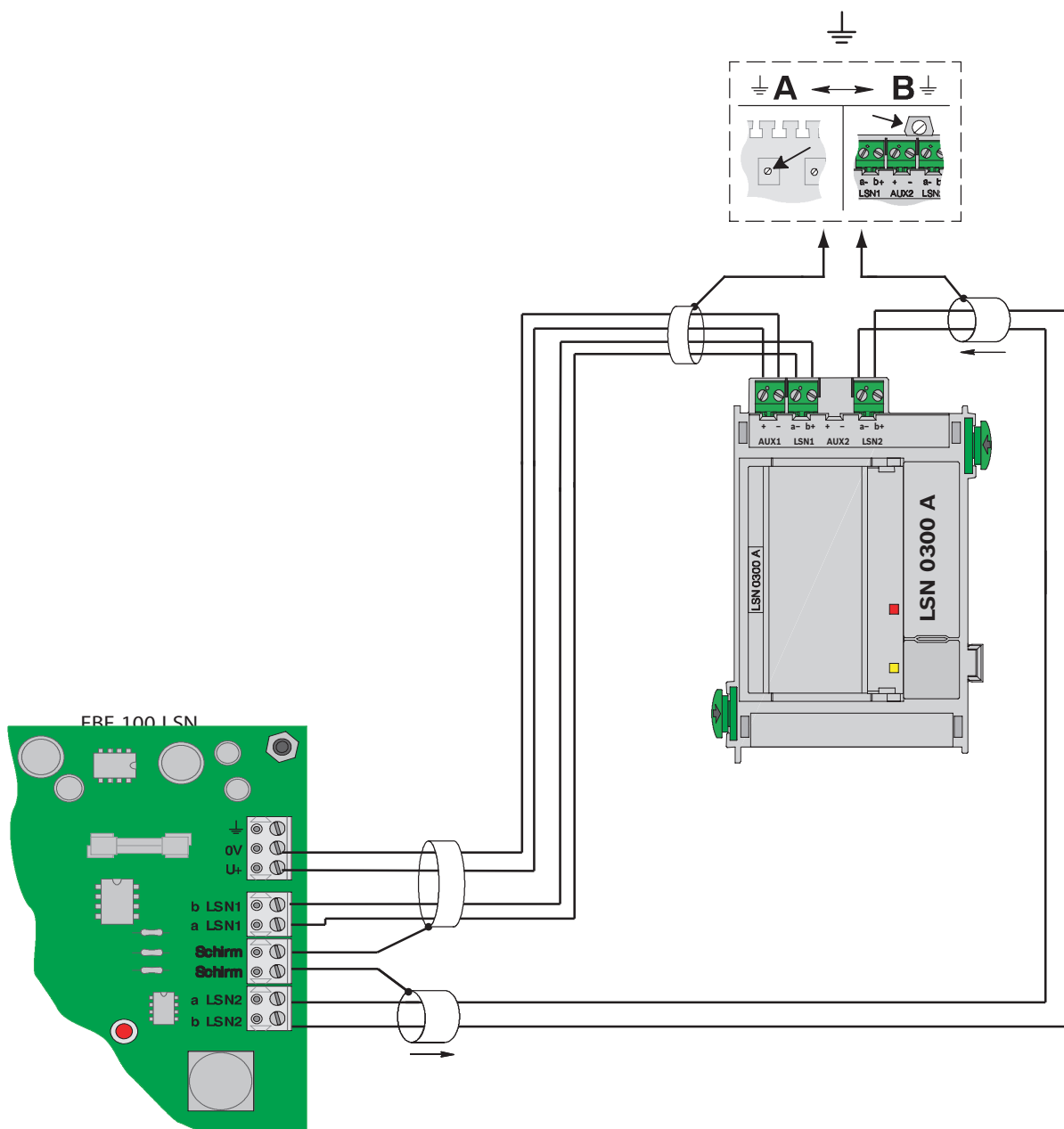
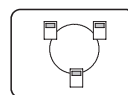


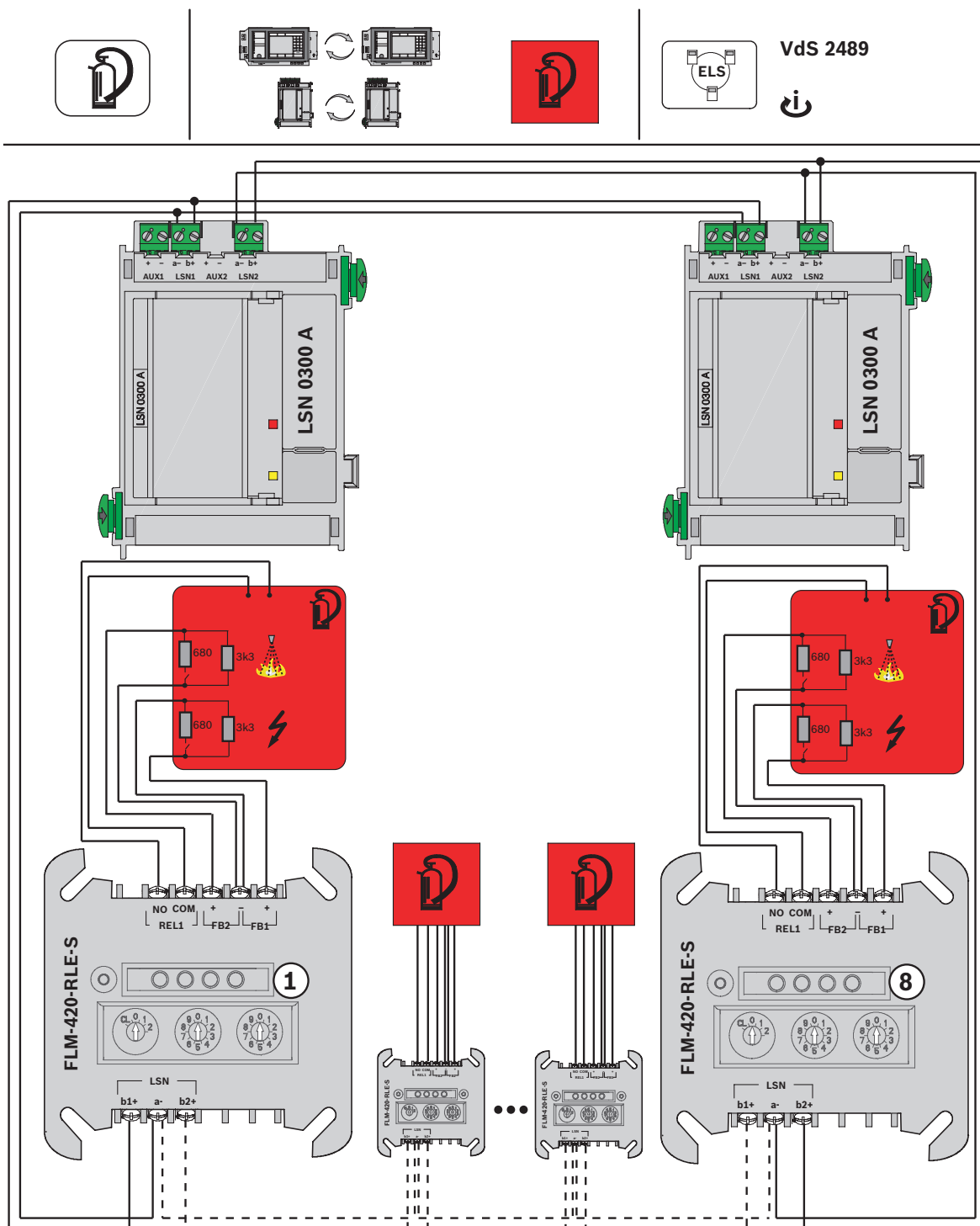
FNM-320V-A / -B

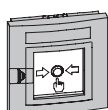
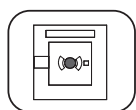




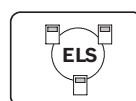
FBF 100 LSN



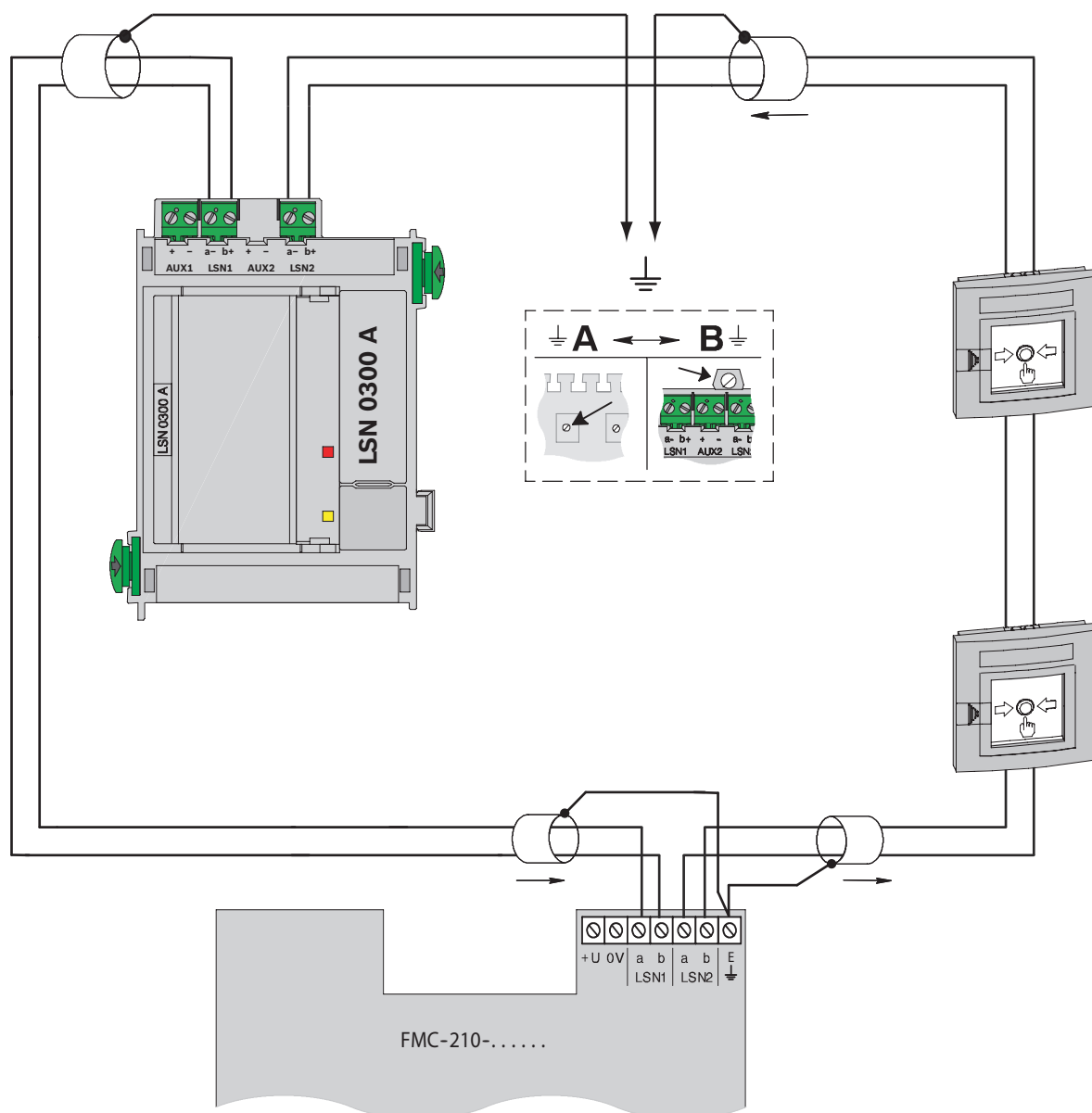


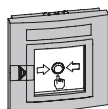
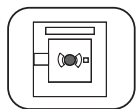


FMC-210-...

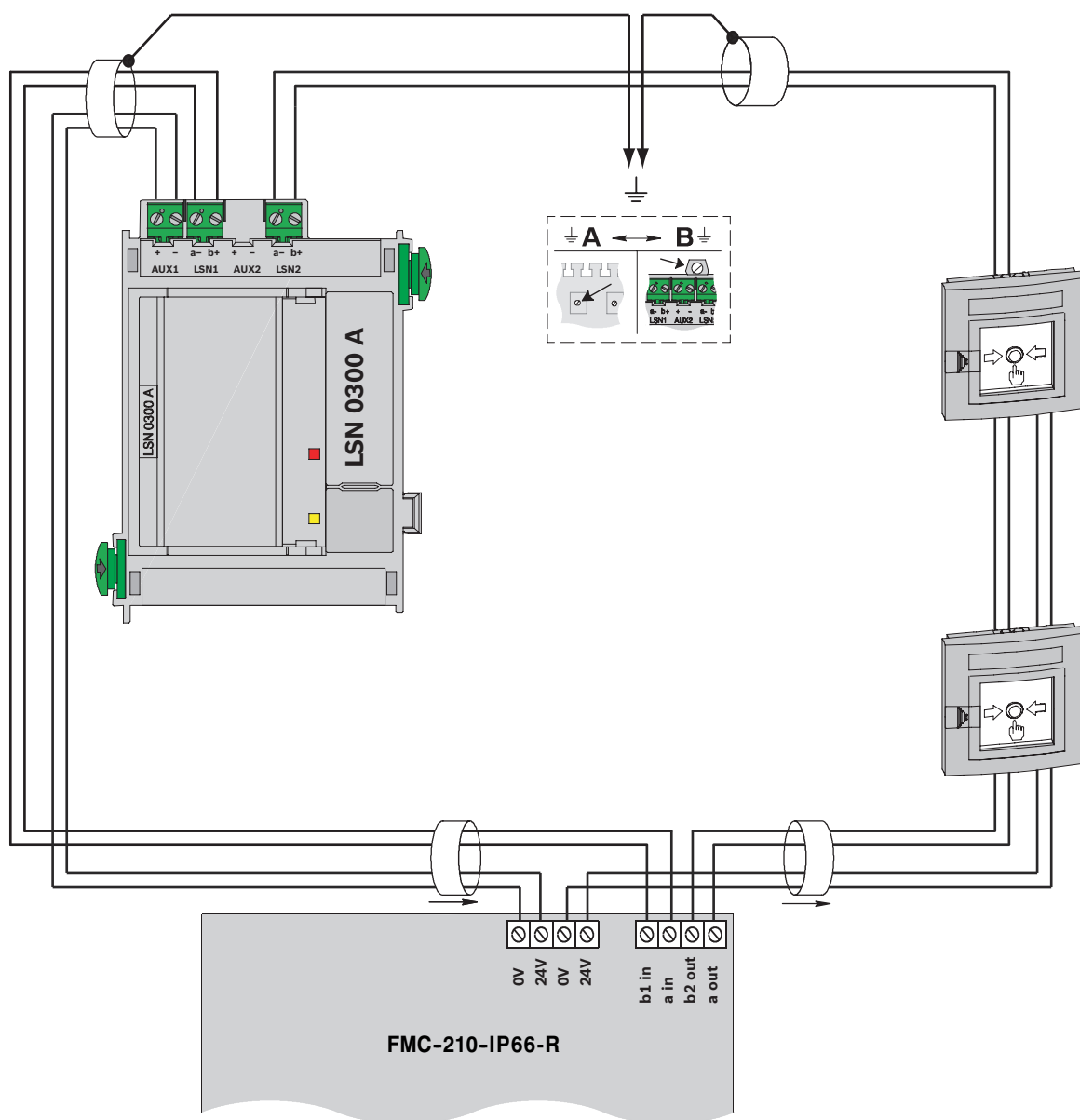
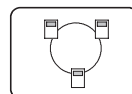


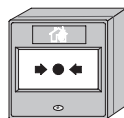
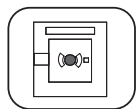
VdS 2489



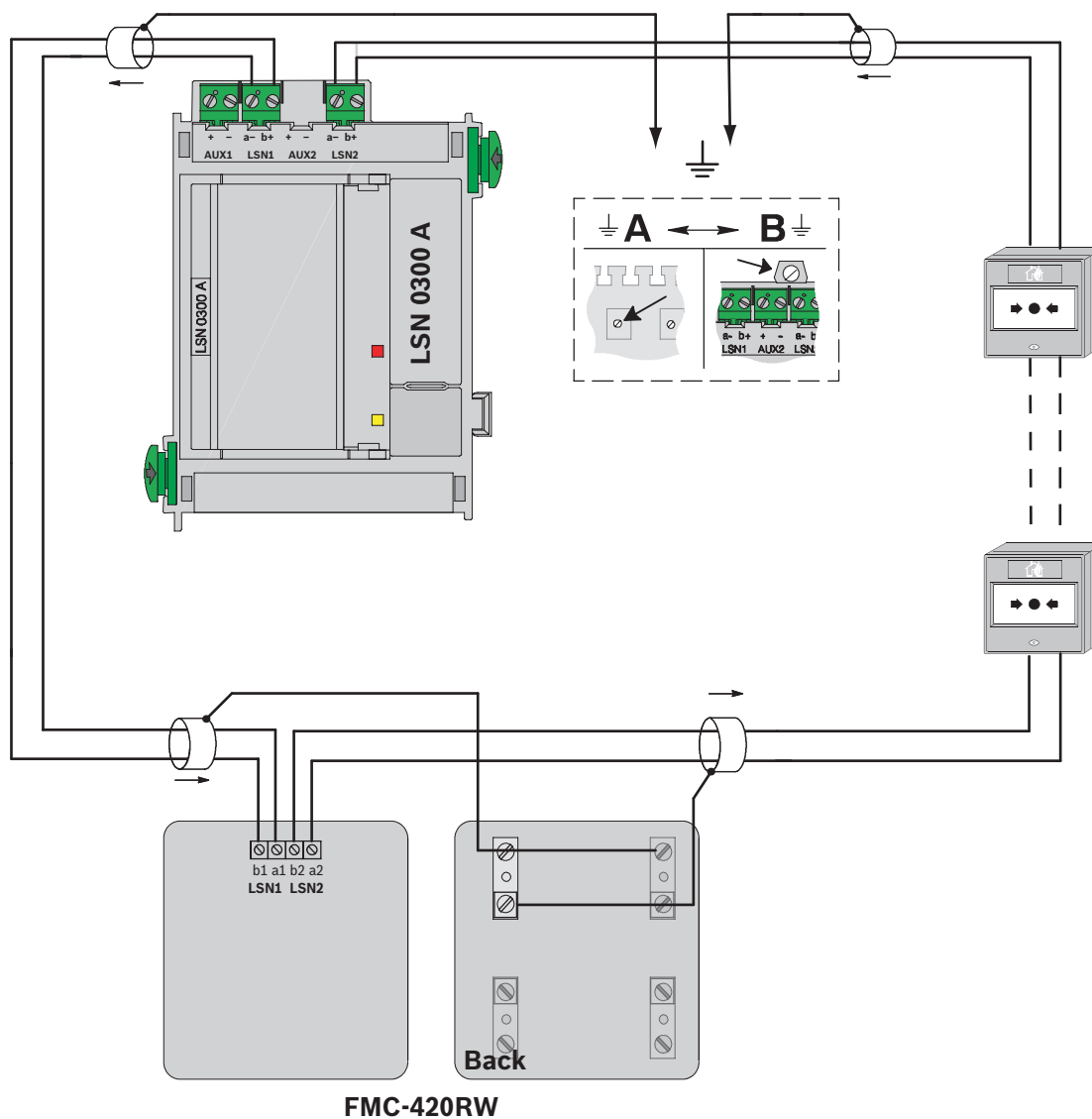
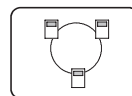


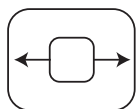
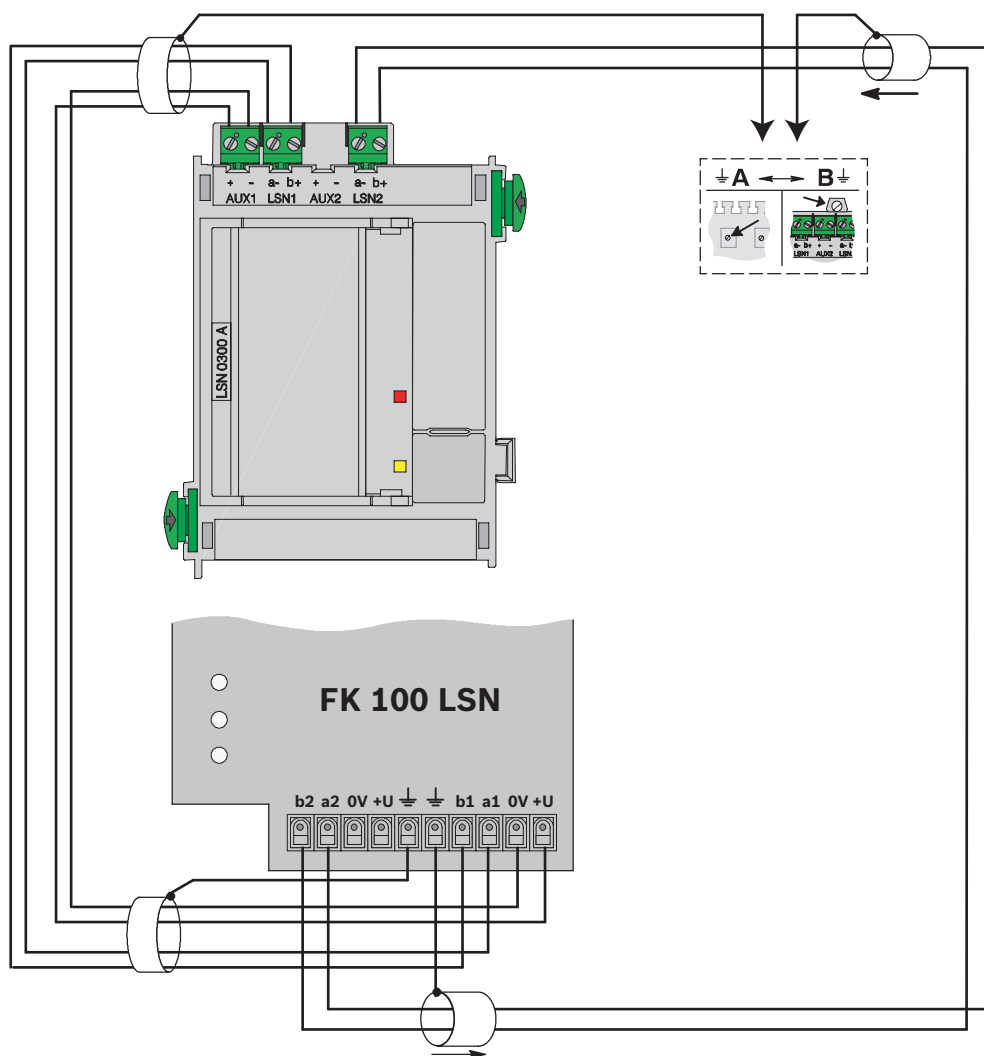
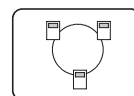
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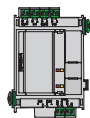
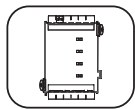
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FMC-420RW-HSRRD
FMC-420RW-GFGRD
FMC-420RW-GFRRD
FMC-420RW-GSGRD
FMC-420RW-GSRRD



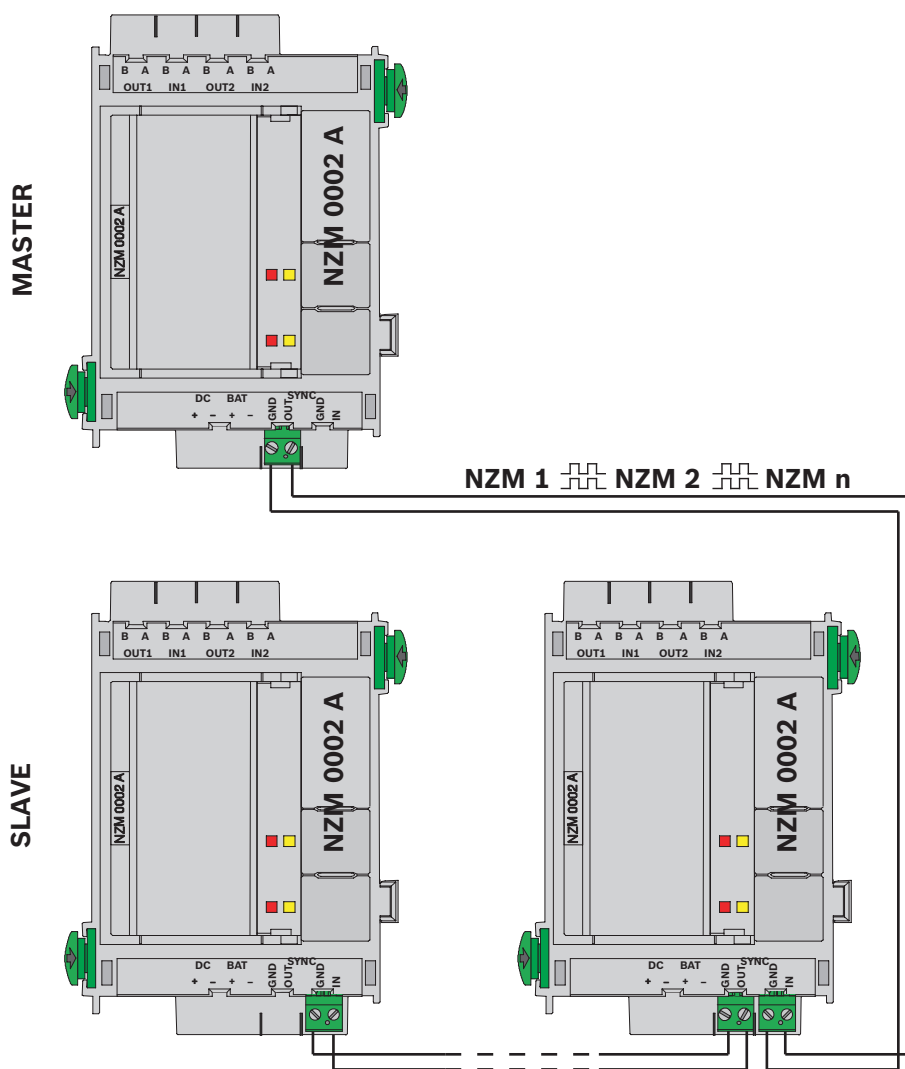
**FK 100 LSN**

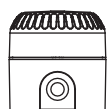
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NZM 0002 A

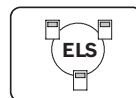


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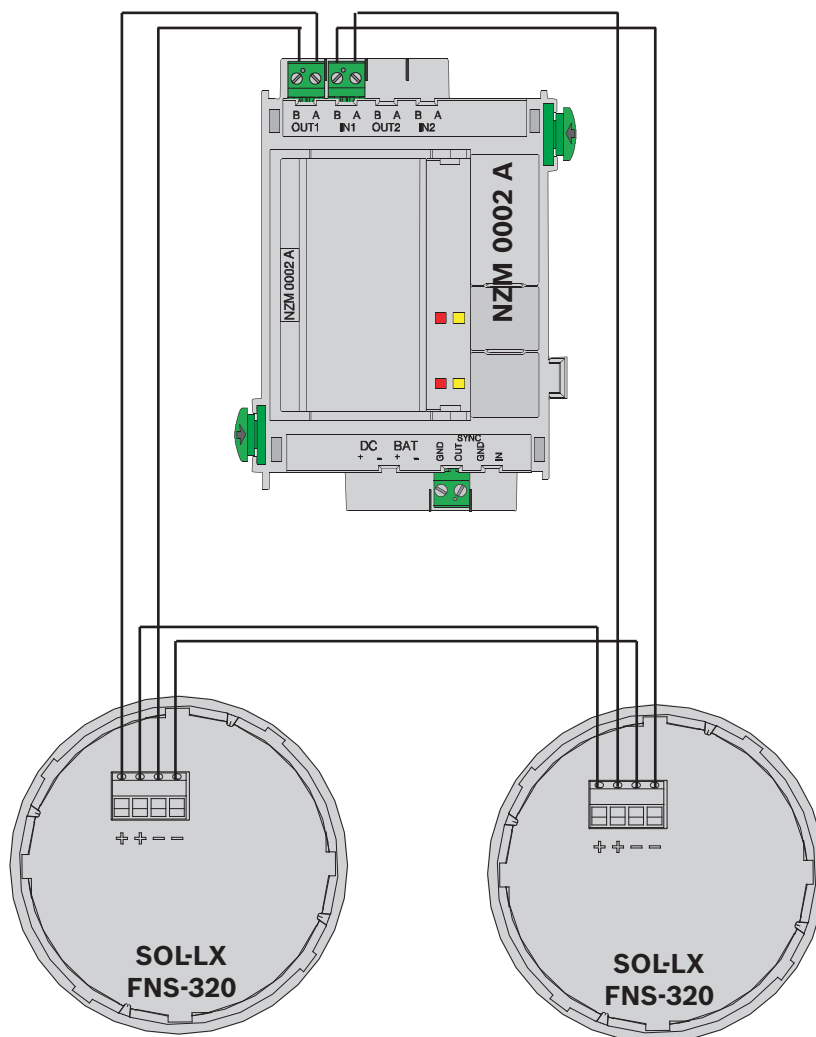


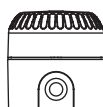


**SOL-LX
FNS-320**

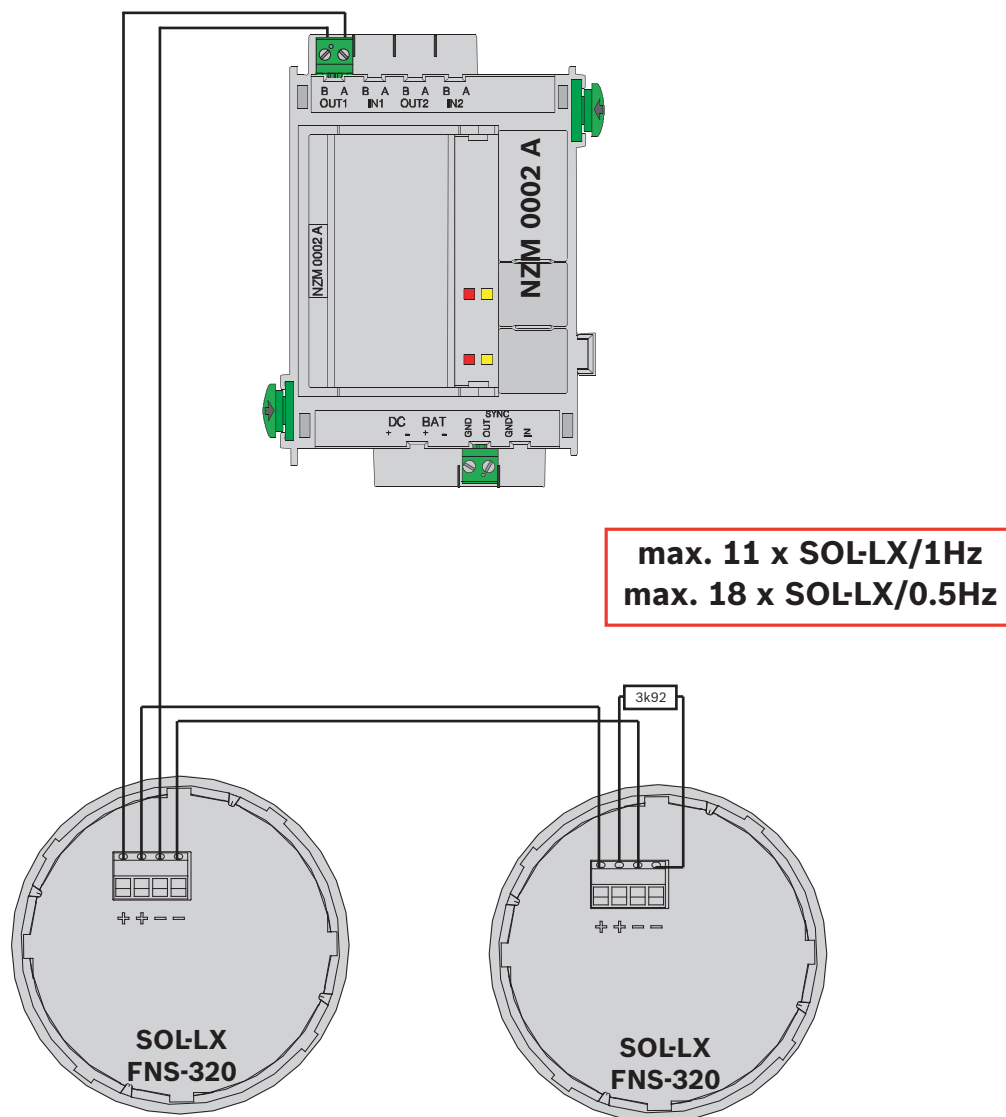
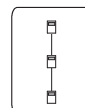


VdS 2489



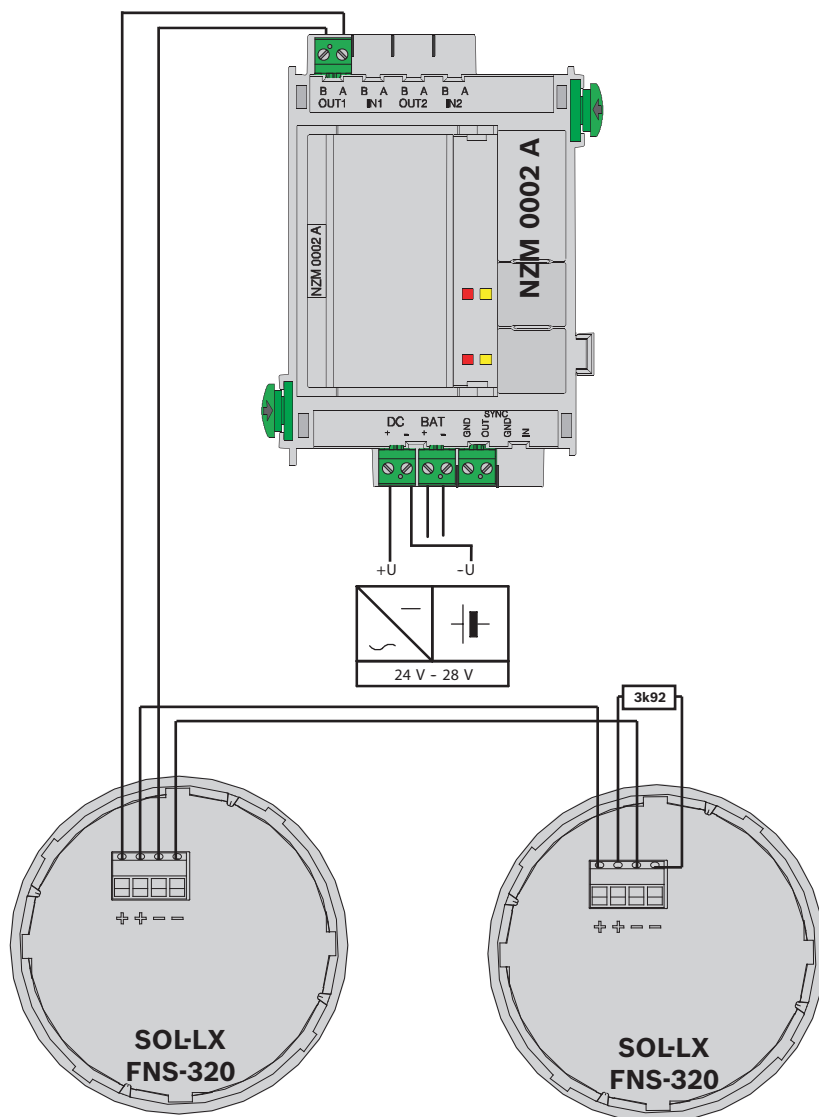
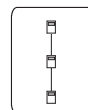


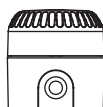
**SOL-LX
FNS-320**



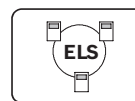


**SOL-LX
FNS-320**

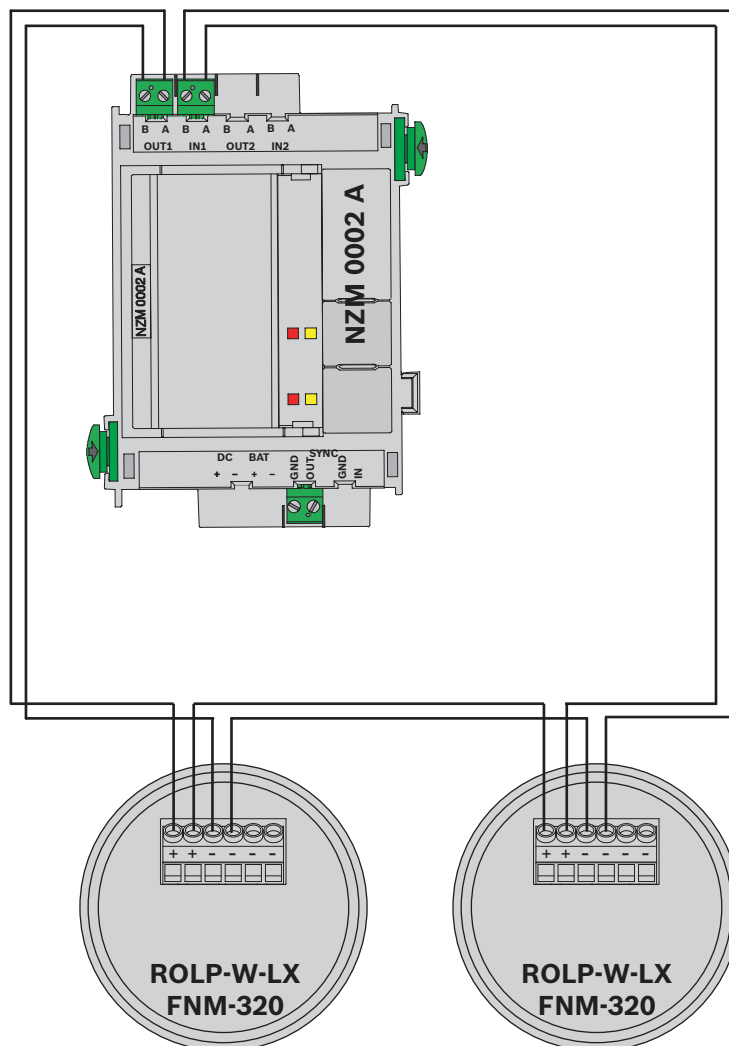




**ROLP-W-LX
FNM-320**

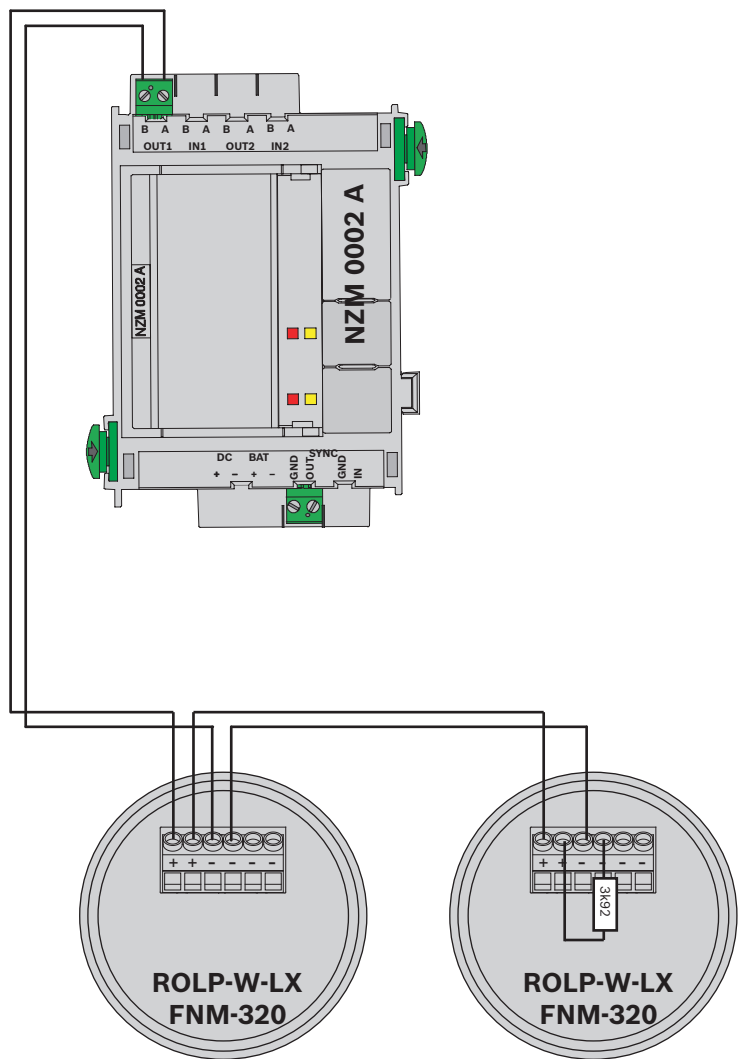
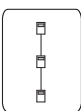


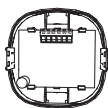
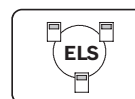
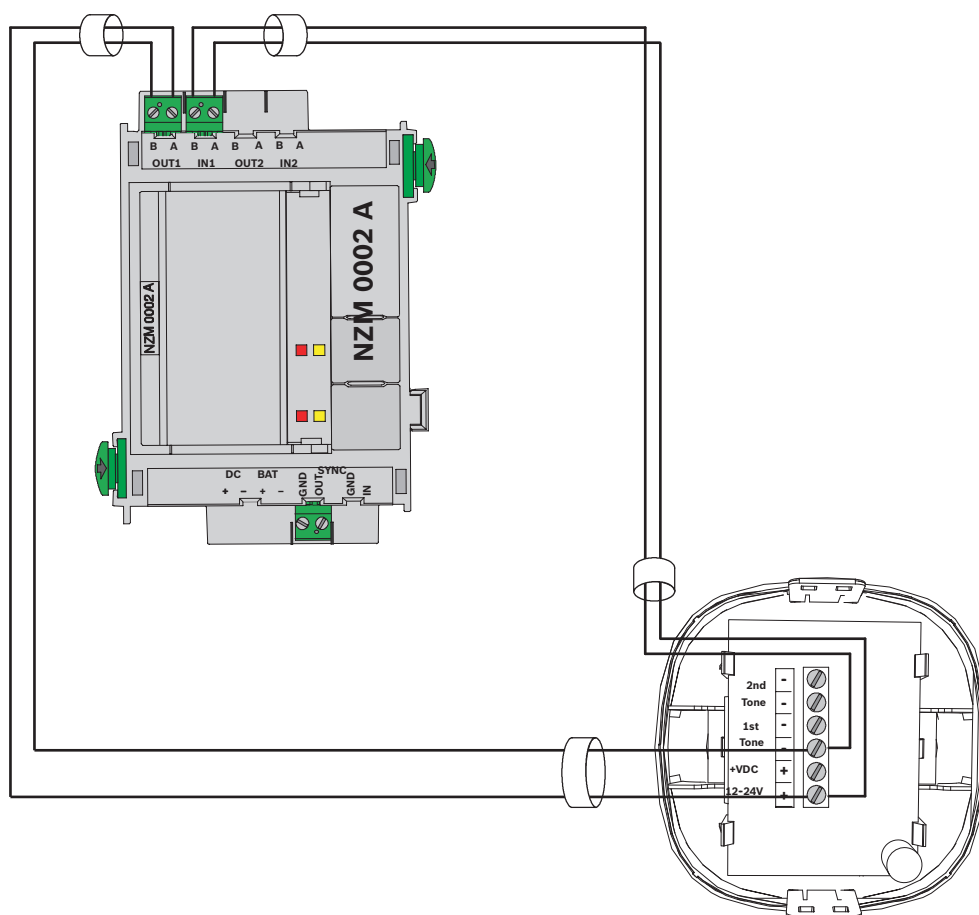
VdS 2489

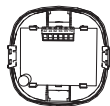




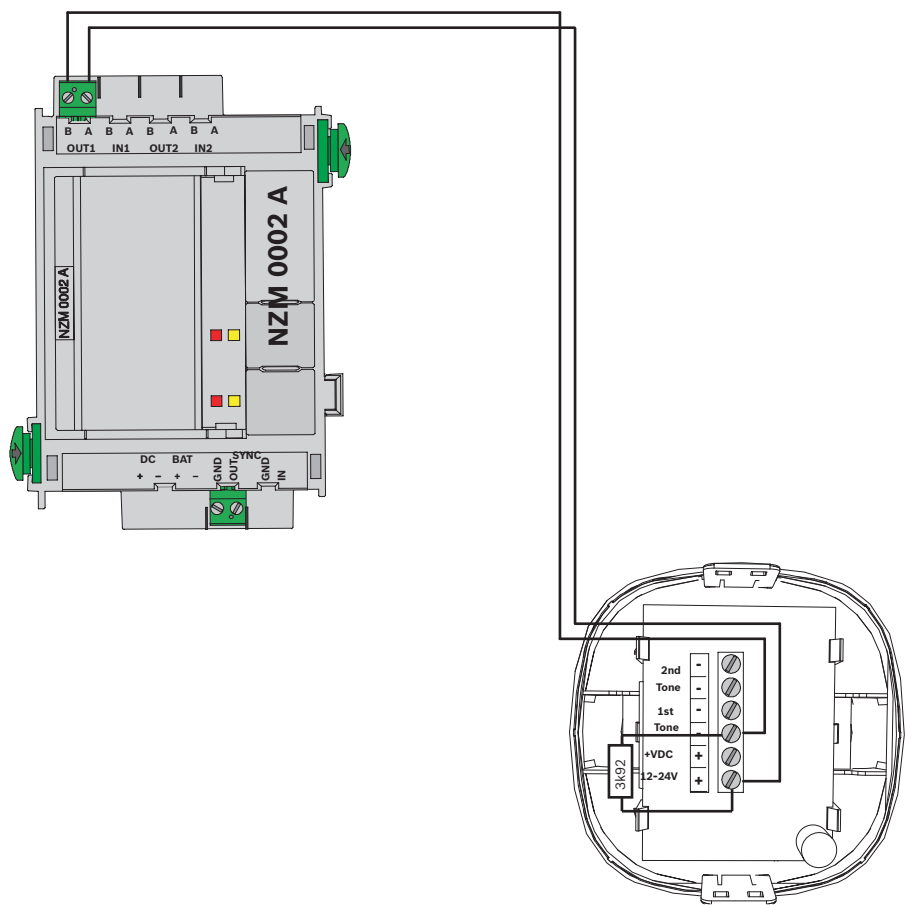
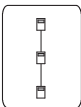
**ROLP-W-LX
FNM-320**

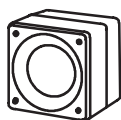
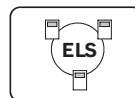
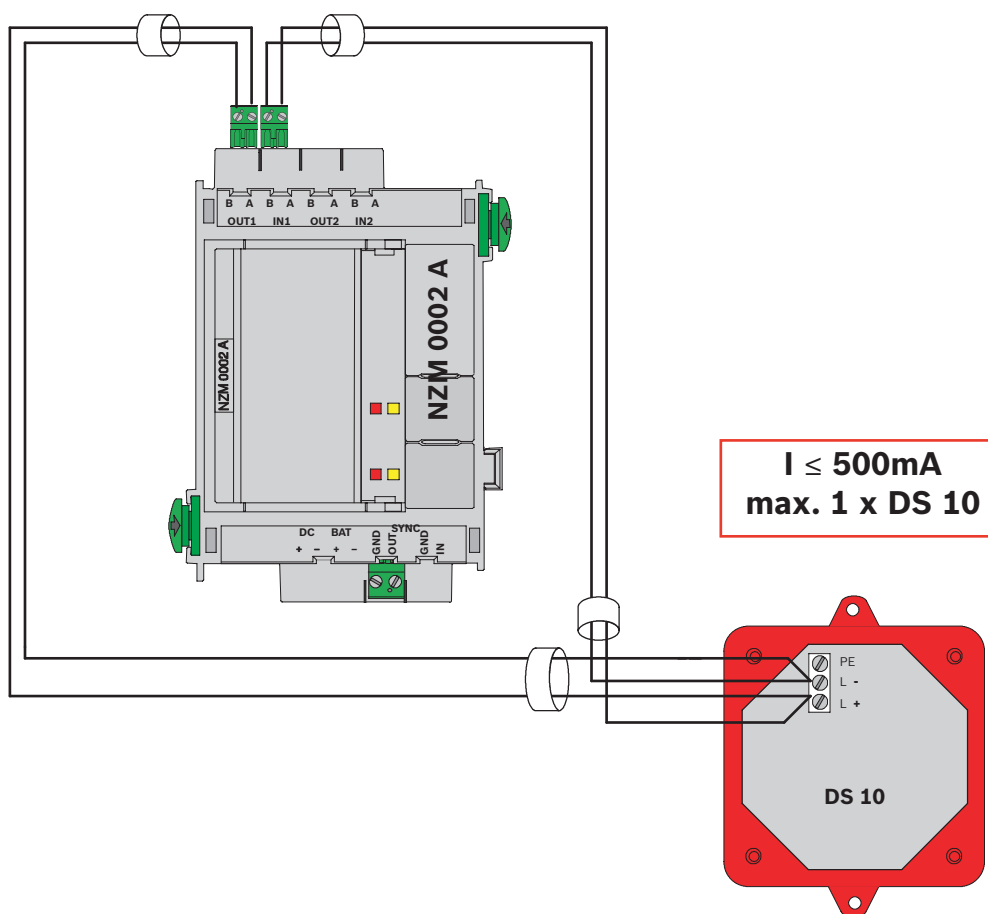


**FNM-320V-A / -B****VdS 2489**



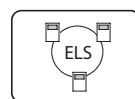
FNM-320V-A / -B



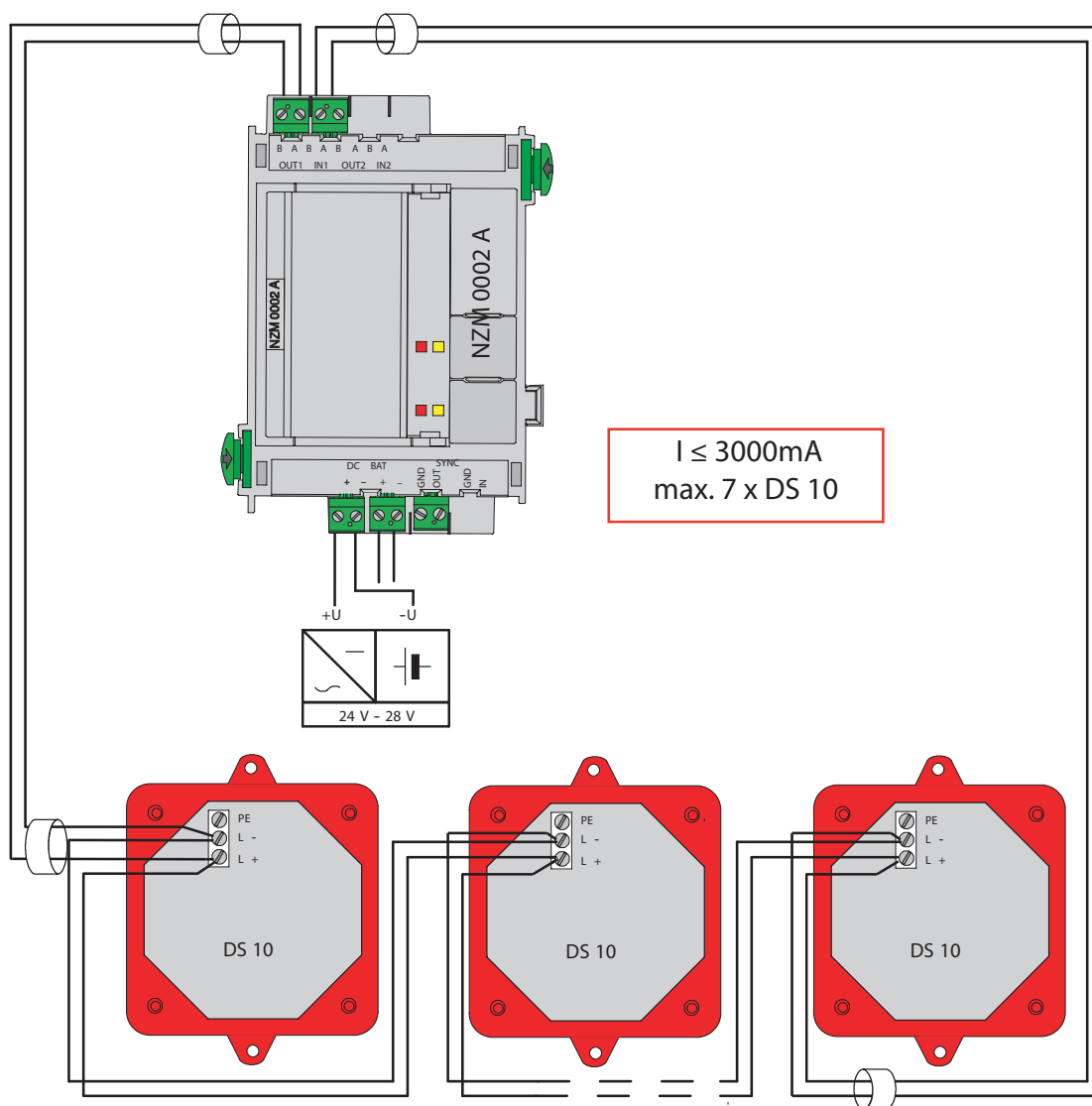
**DS 10****VdS 2489**

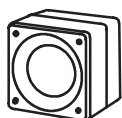
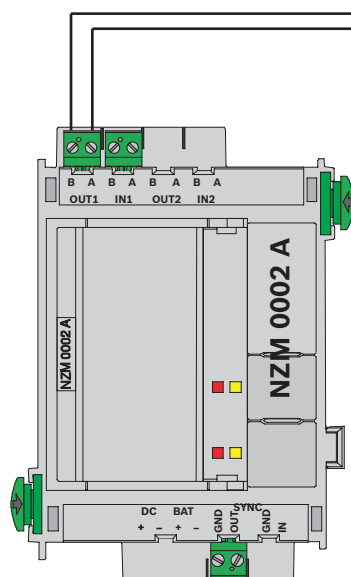
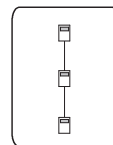


DS 10

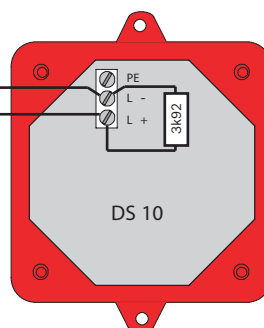


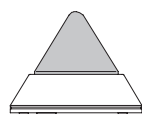
VdS 2489



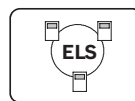
**DS 10**

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

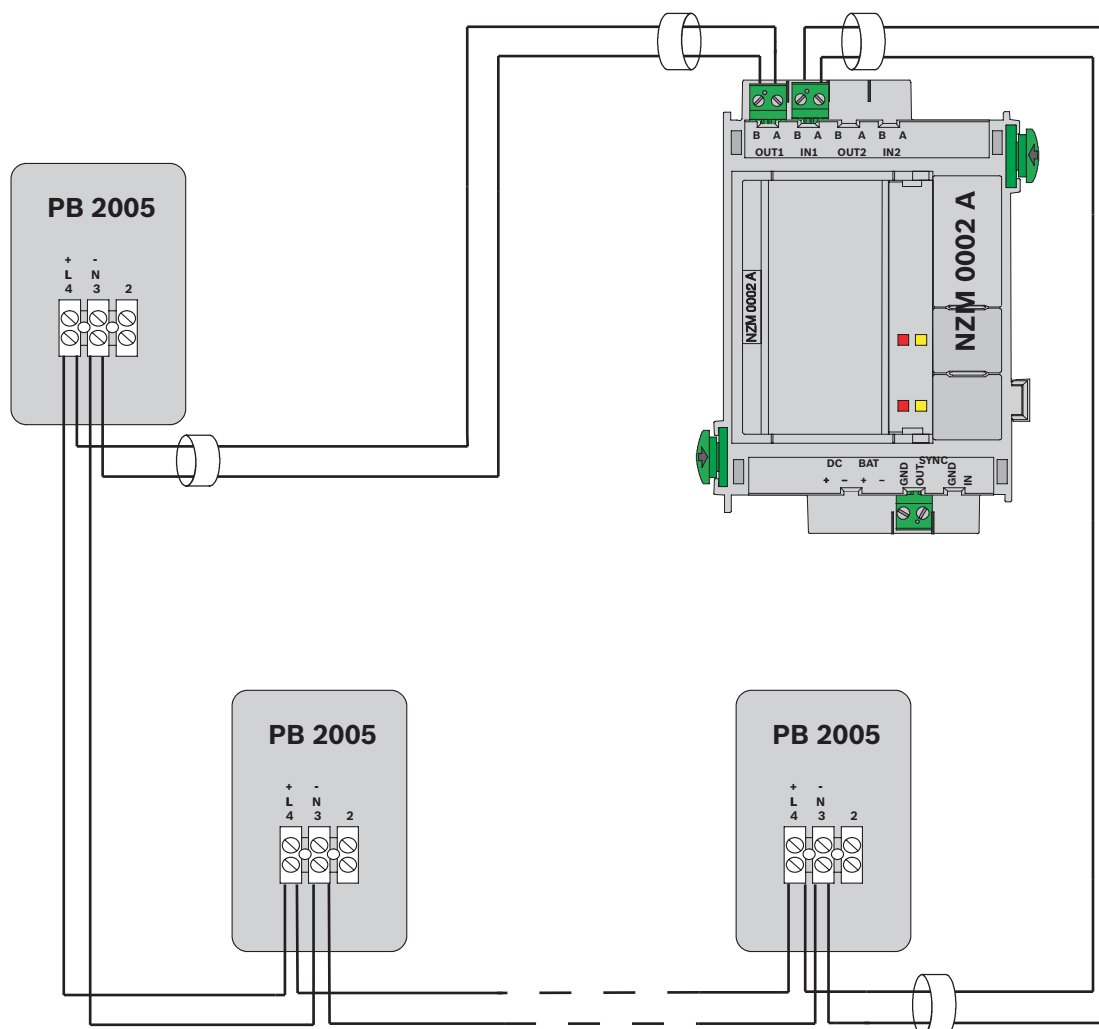


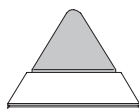
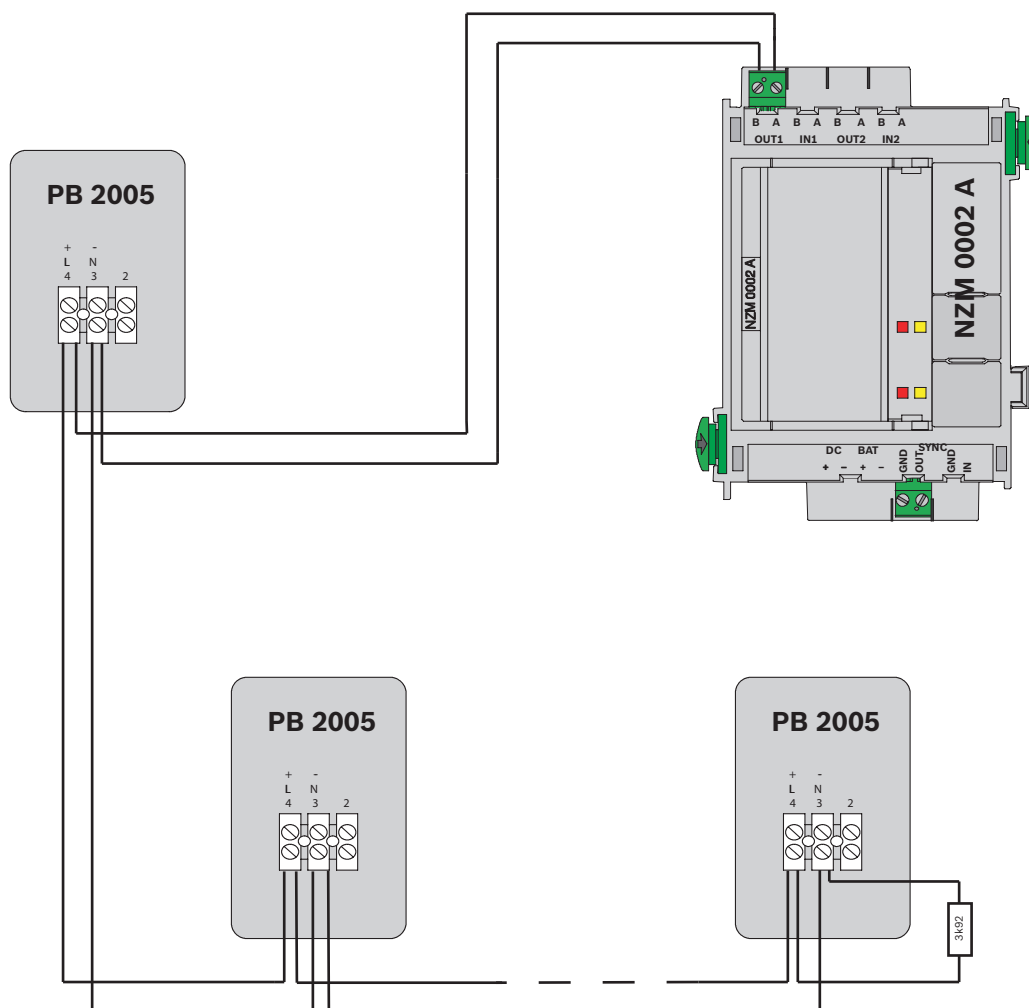
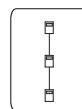


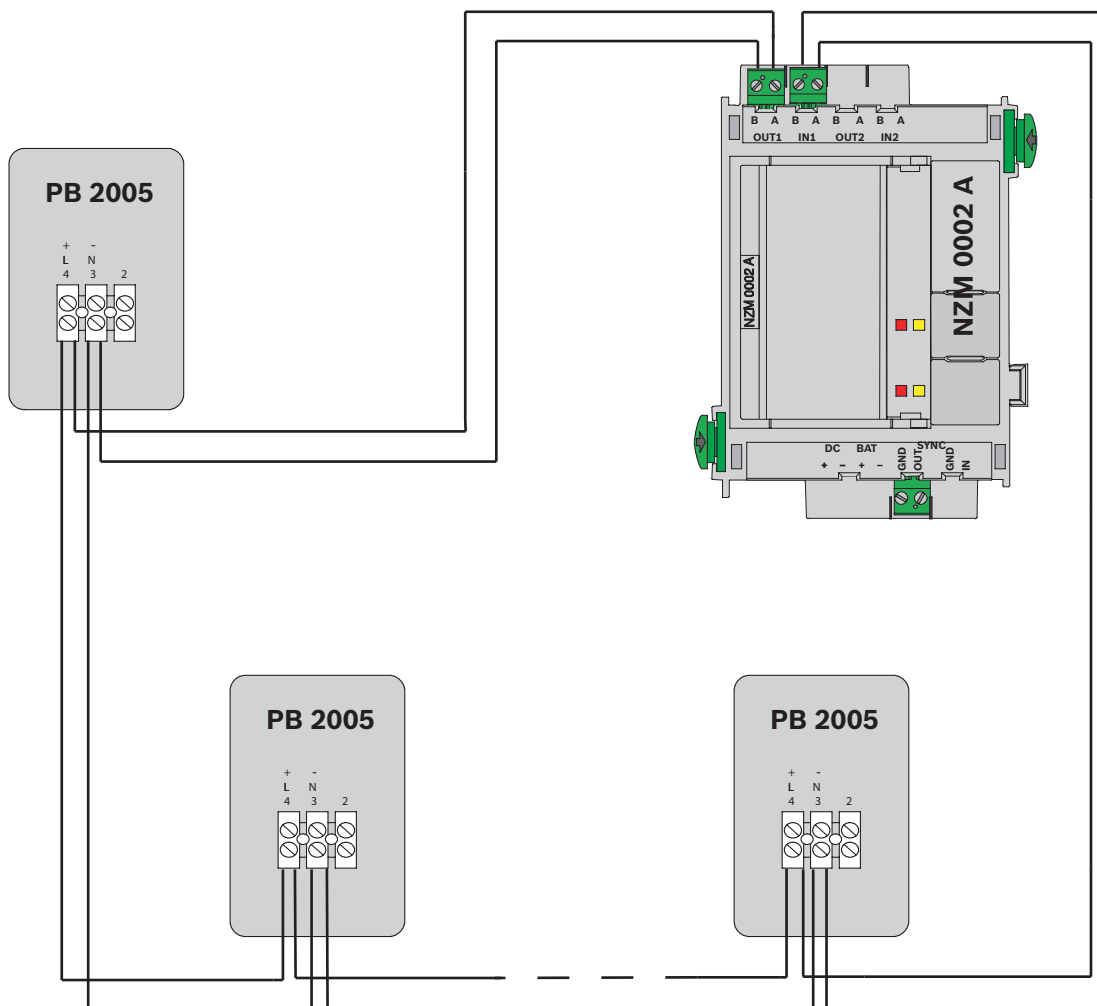
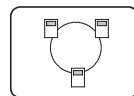
PB 2005



VdS 2489

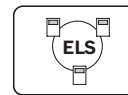


**PB 2005**

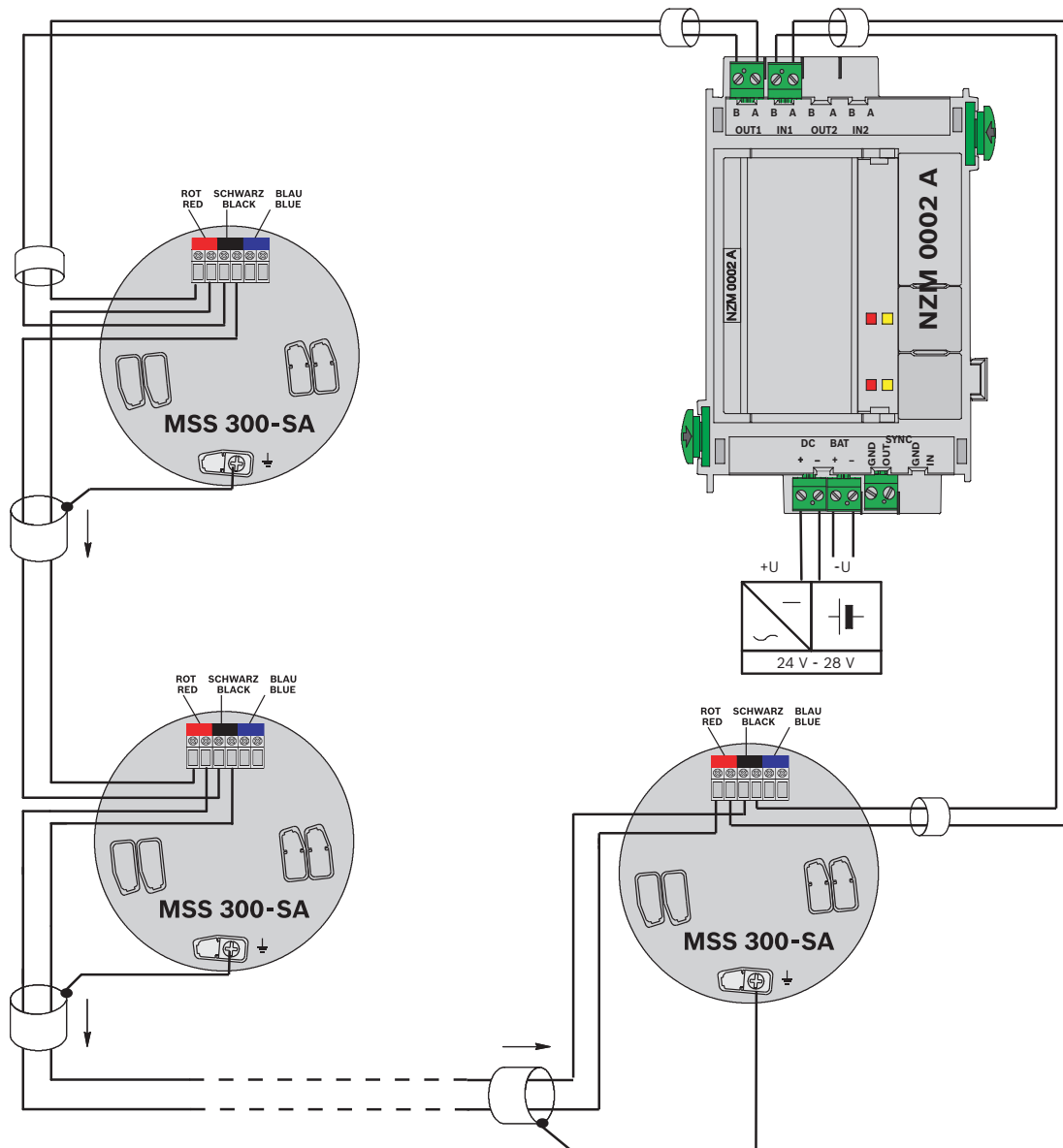
**PB 2005**



MSS 300-SA

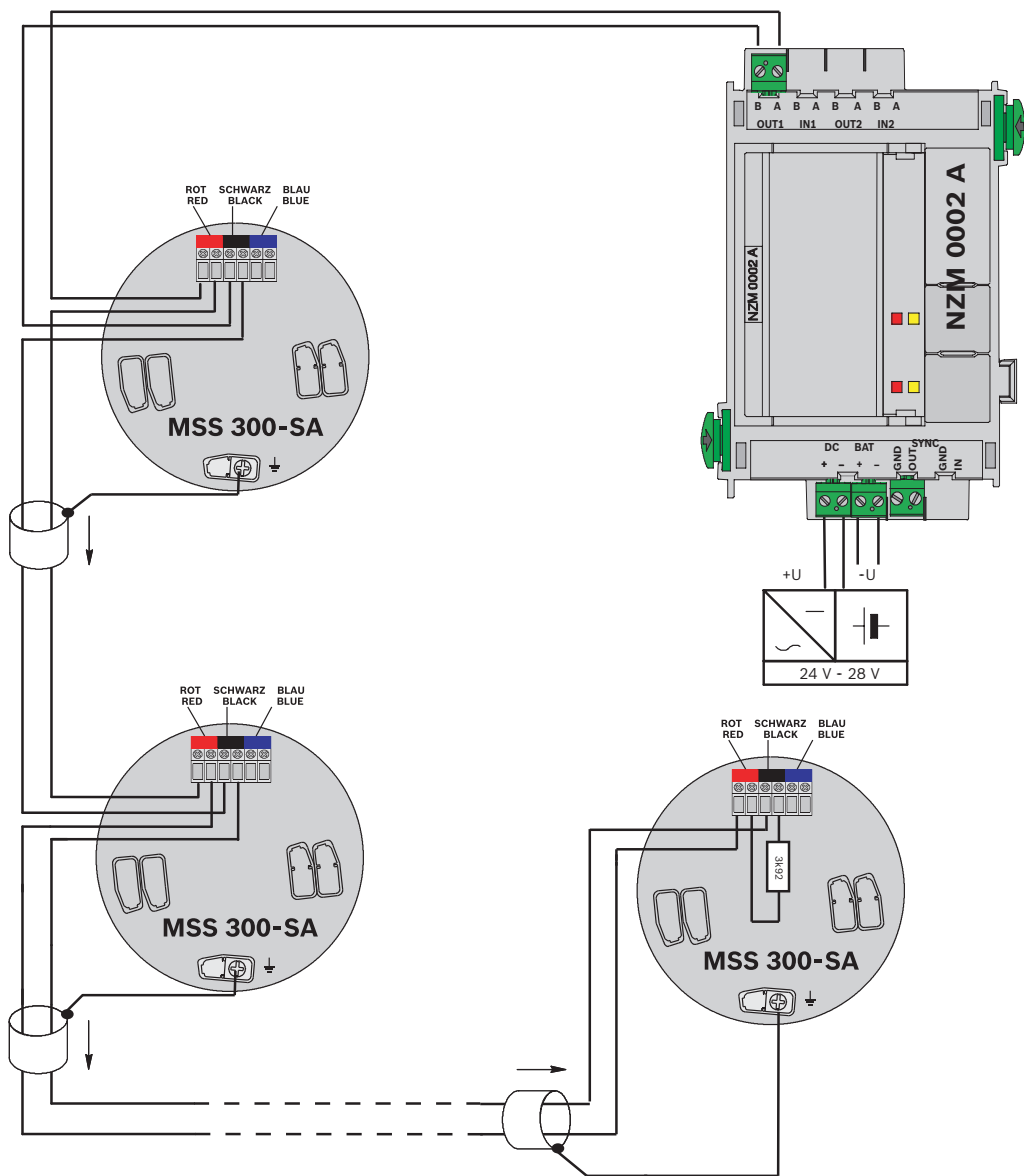
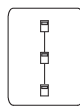


VdS 2489





MSS 300-SA



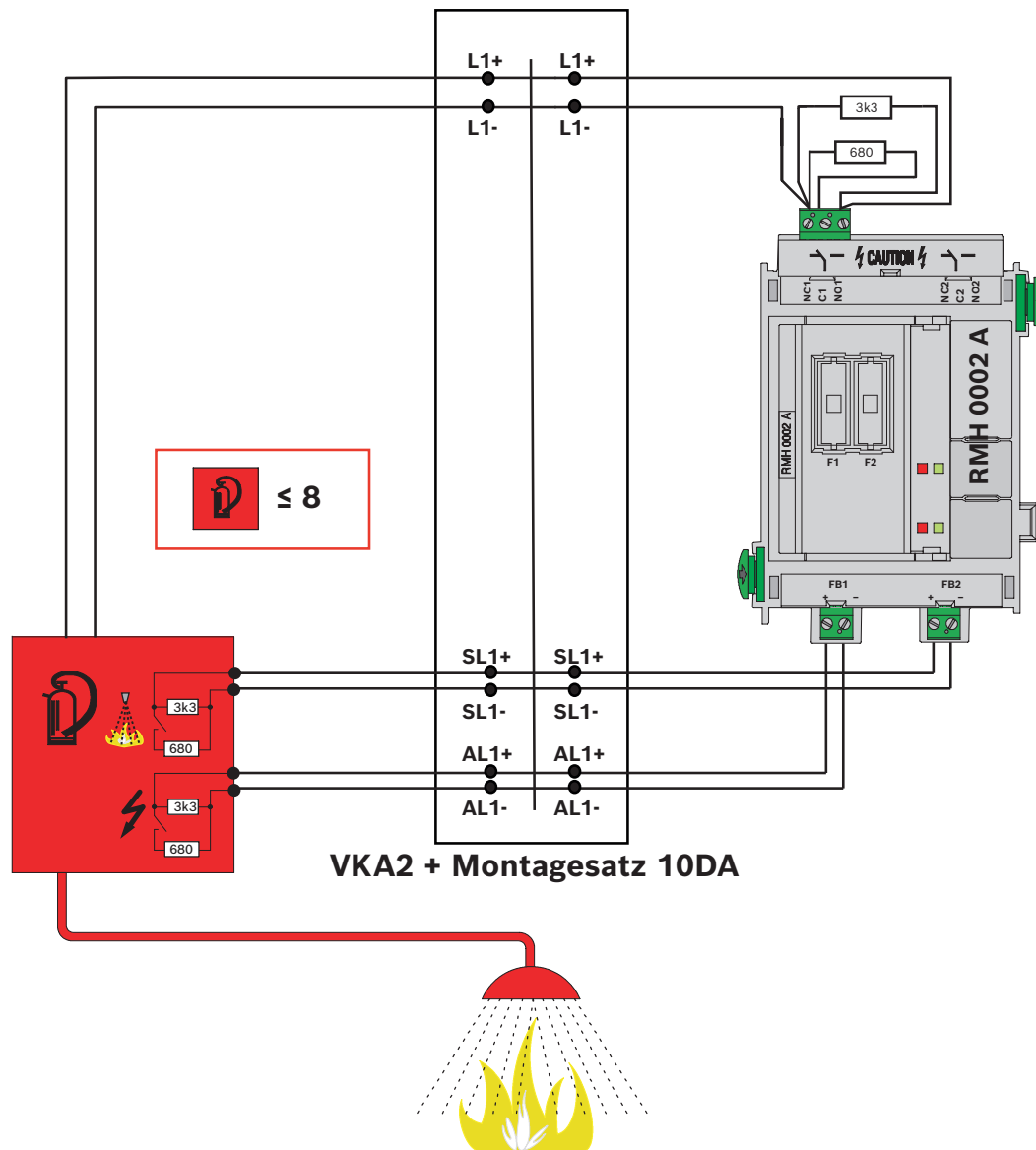
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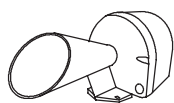
RMH 0002 A



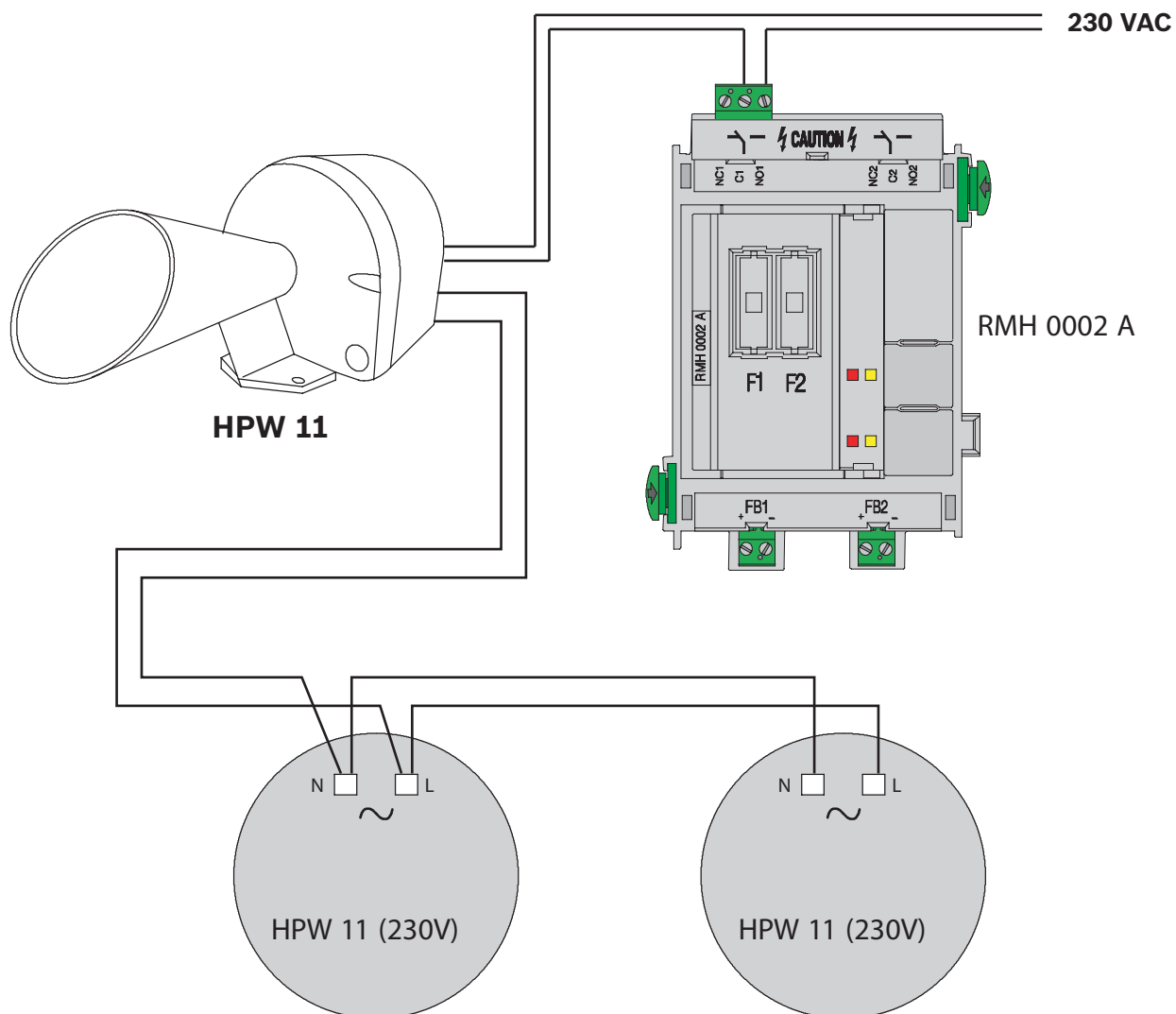
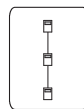
Löschanlage

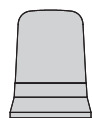
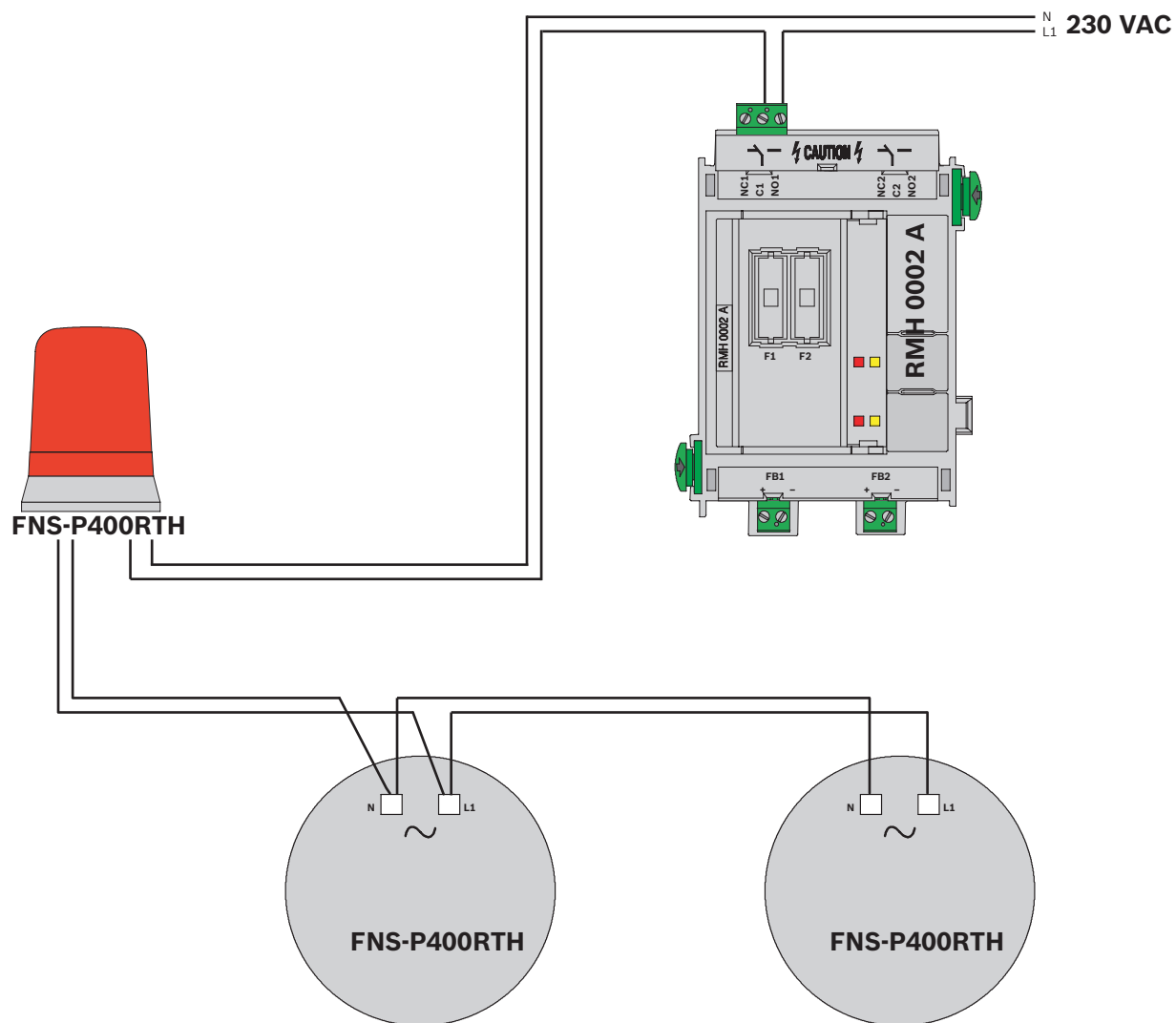
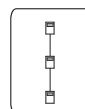
VdS 2496:2005-09





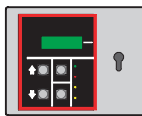
HPW 11



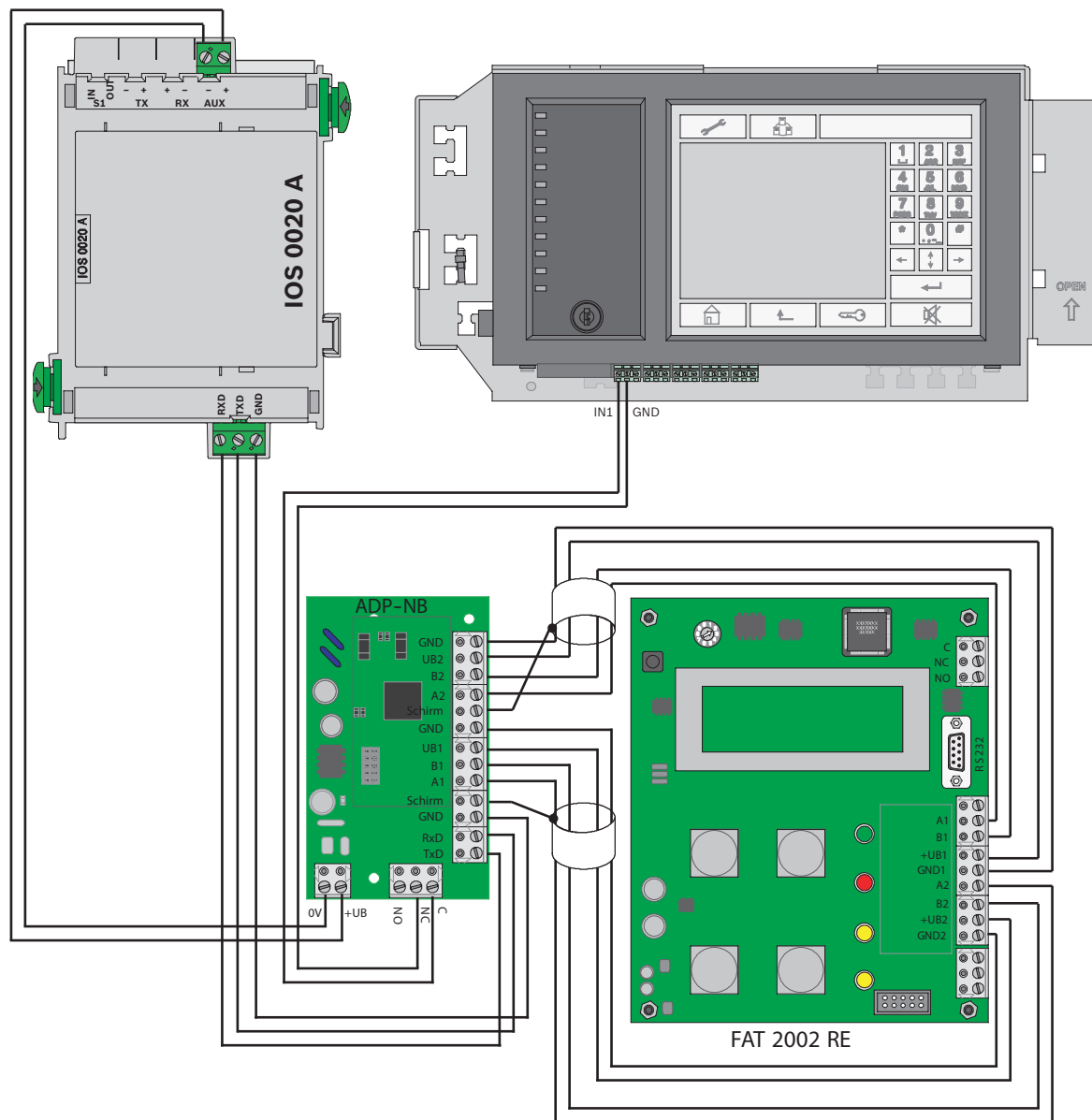
**FNS-P400RTH**

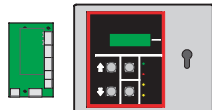
3.3.7

IOS 0020 A

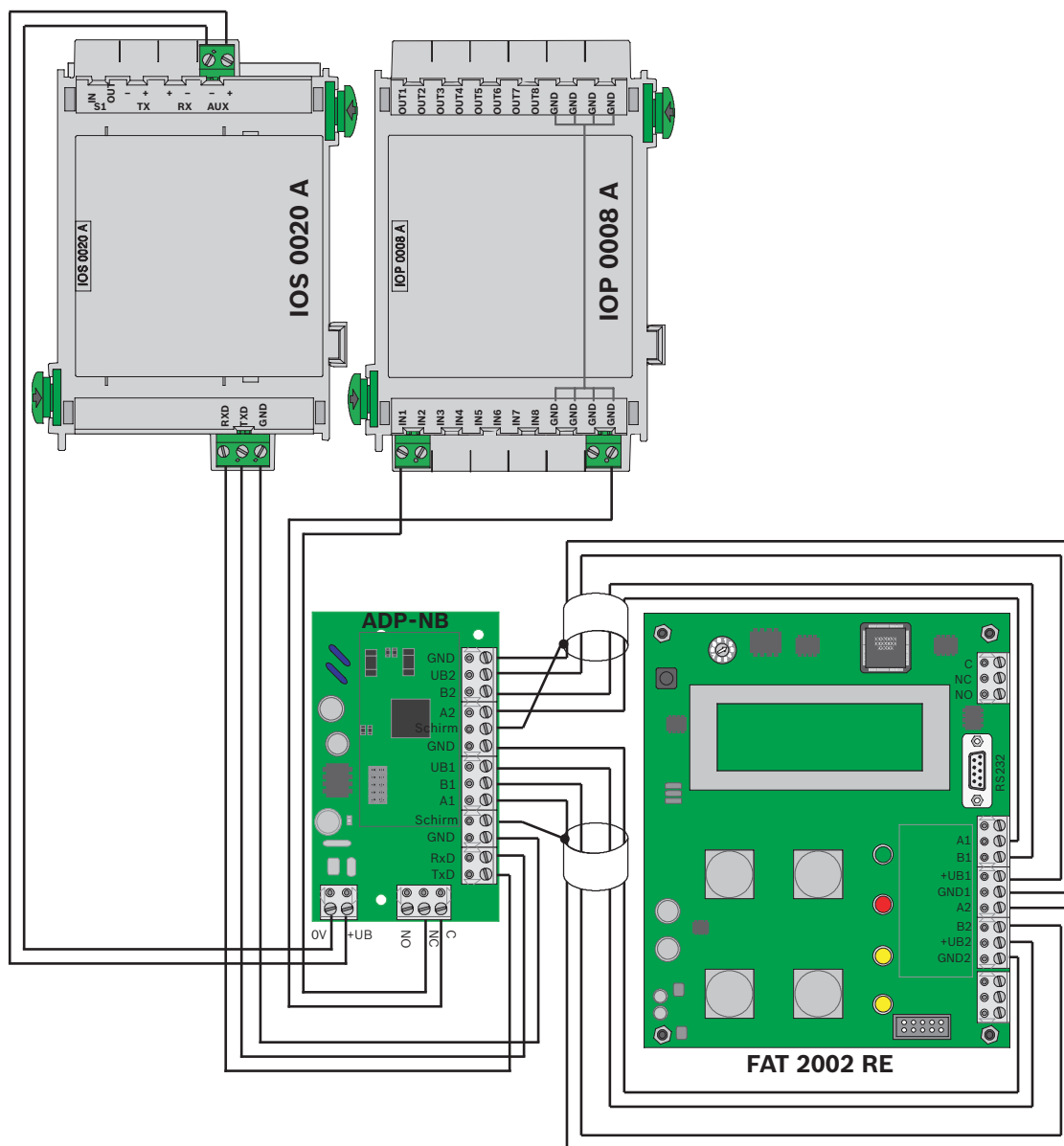


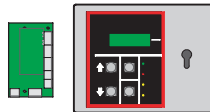
**FAT 2002 RE
ADP-NB**



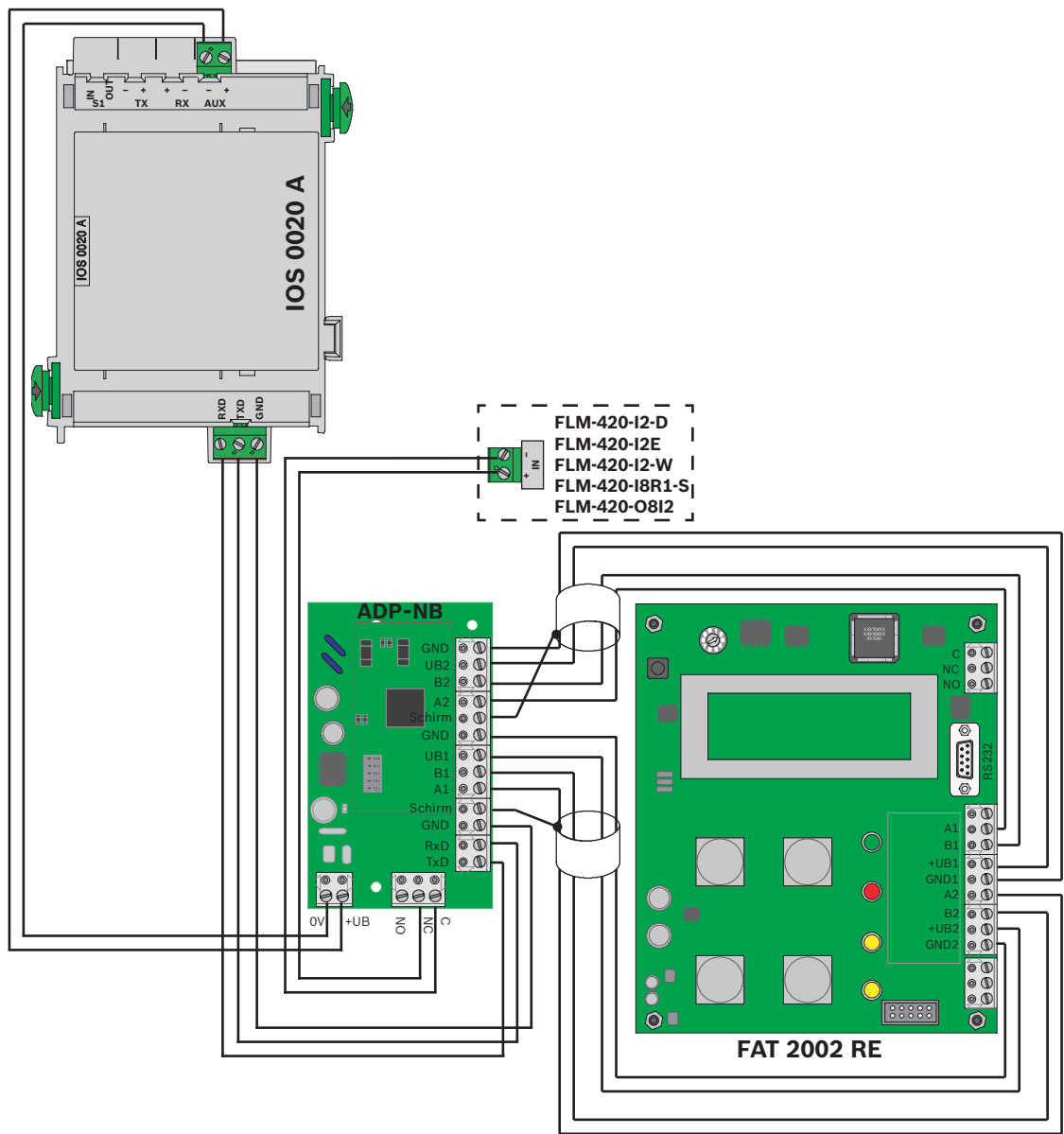


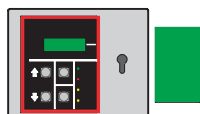
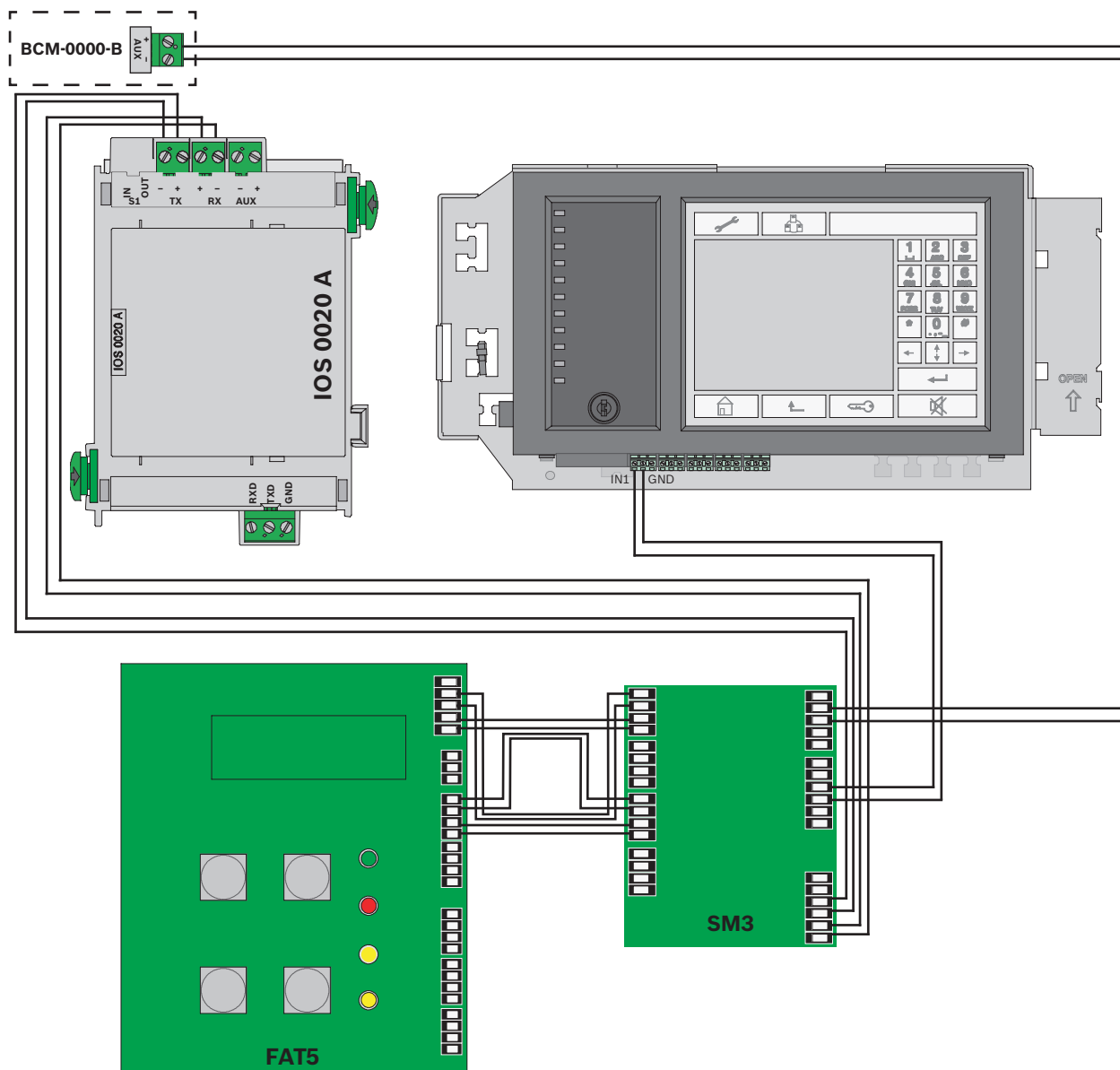
**FAT 2002 RE
ADP-NB**

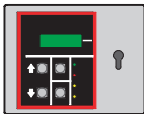




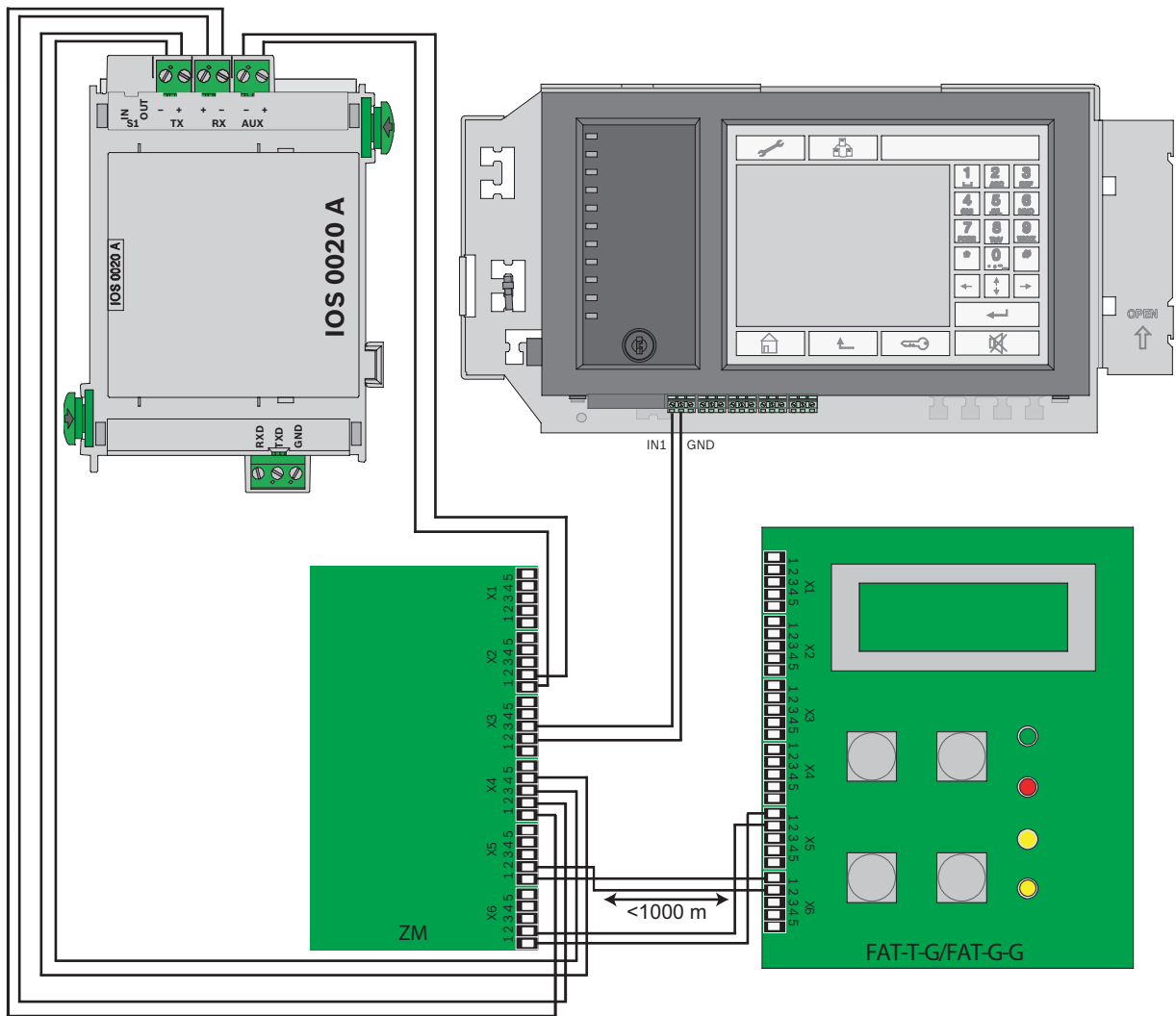
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ADP-NB**

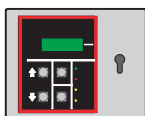


**FAT5
SM3**

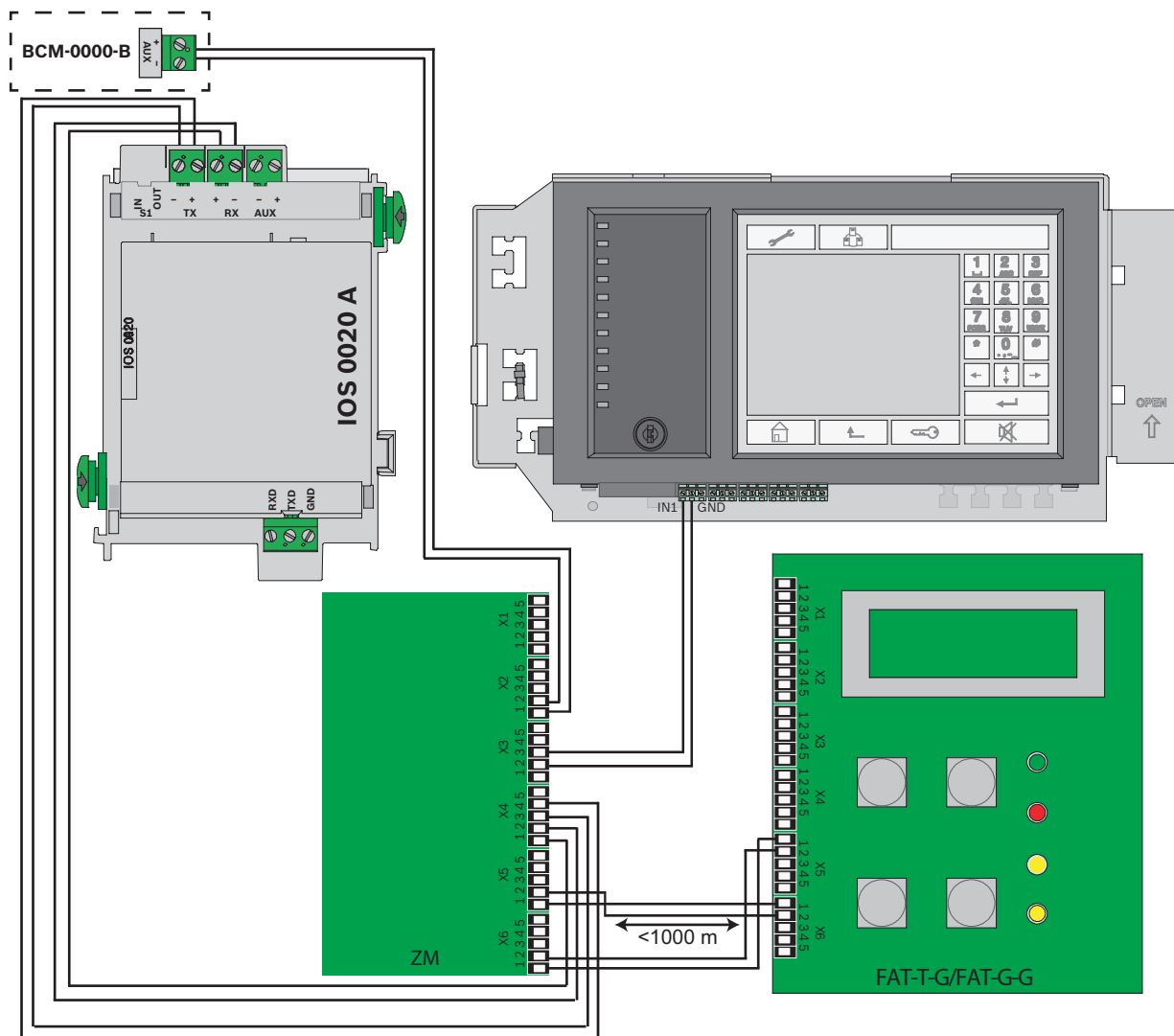


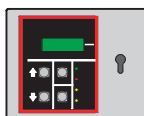
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ZM



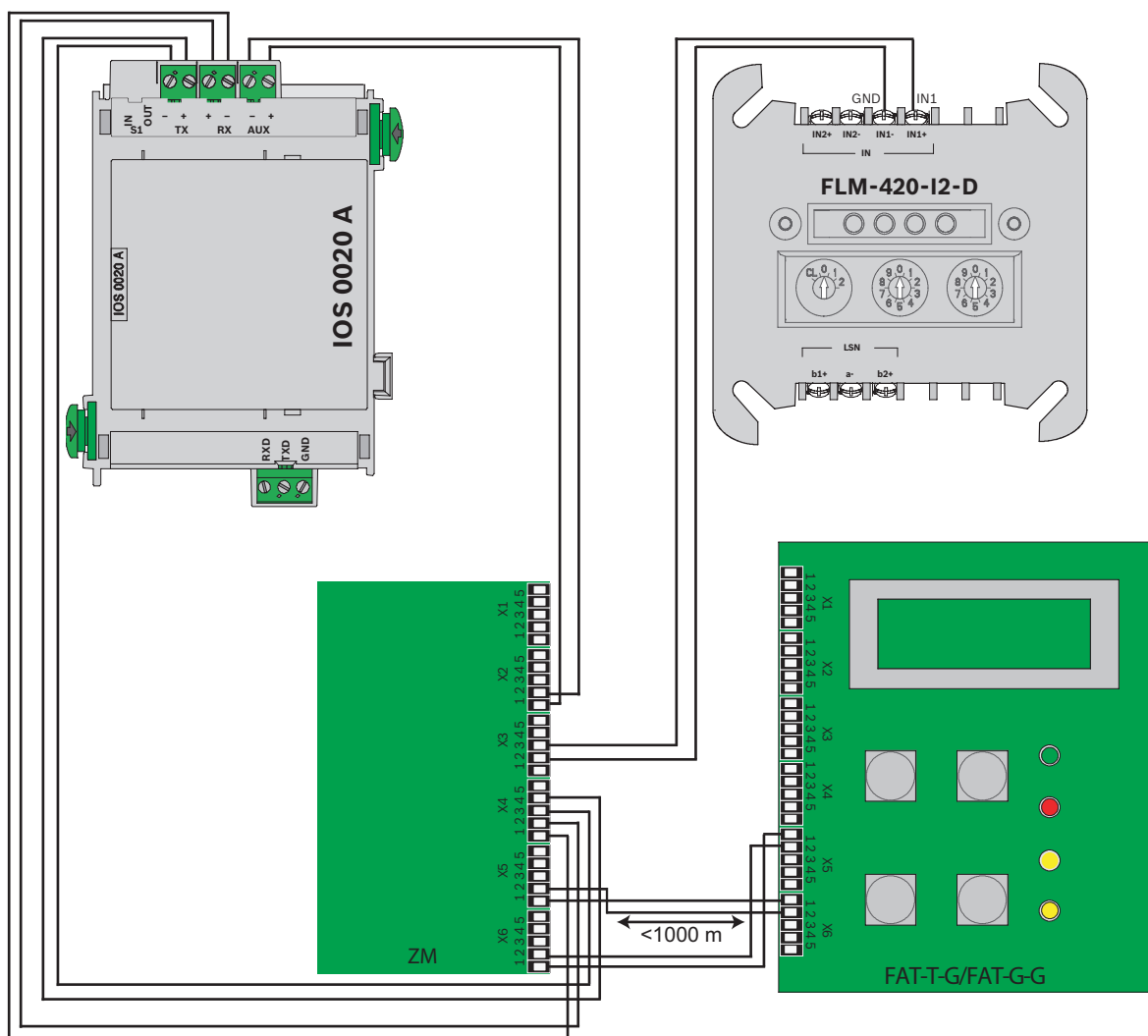


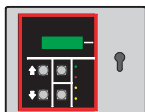
FAT-T-G/FAT-G-G
ZM



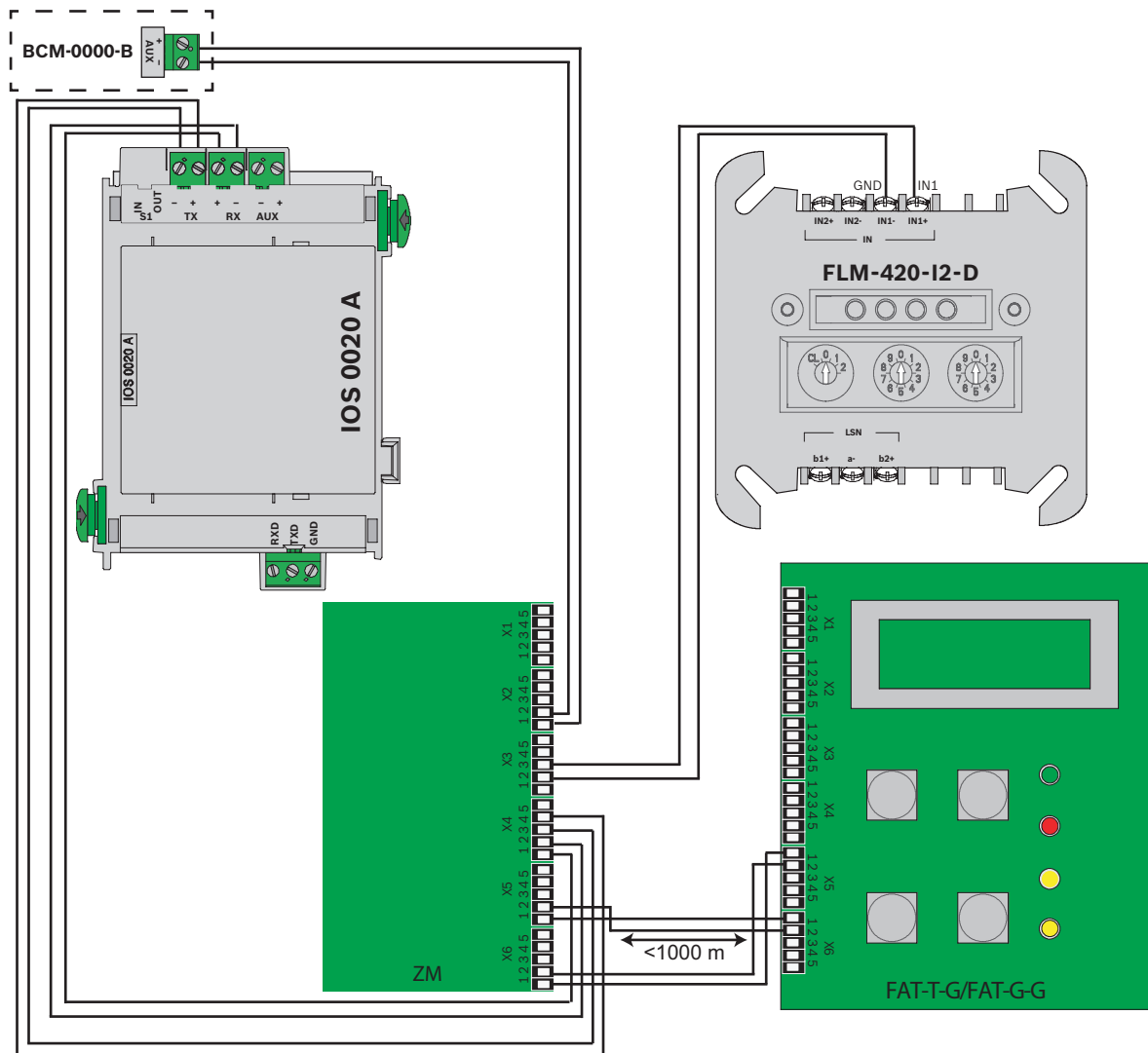


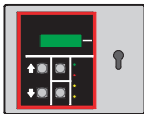
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ZM



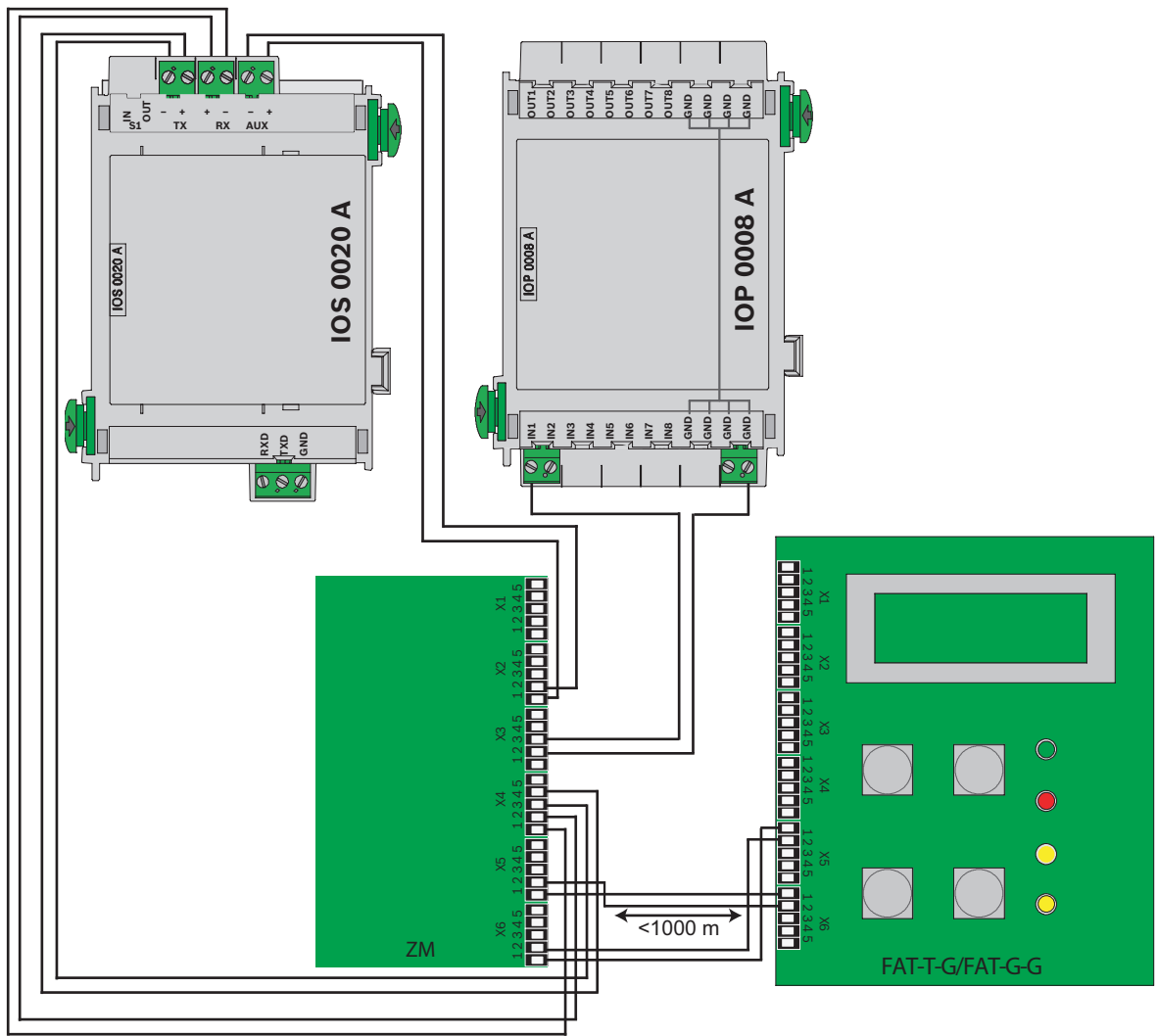


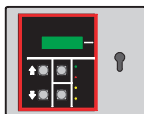
FAT-T-G/FAT-G-G
ZM



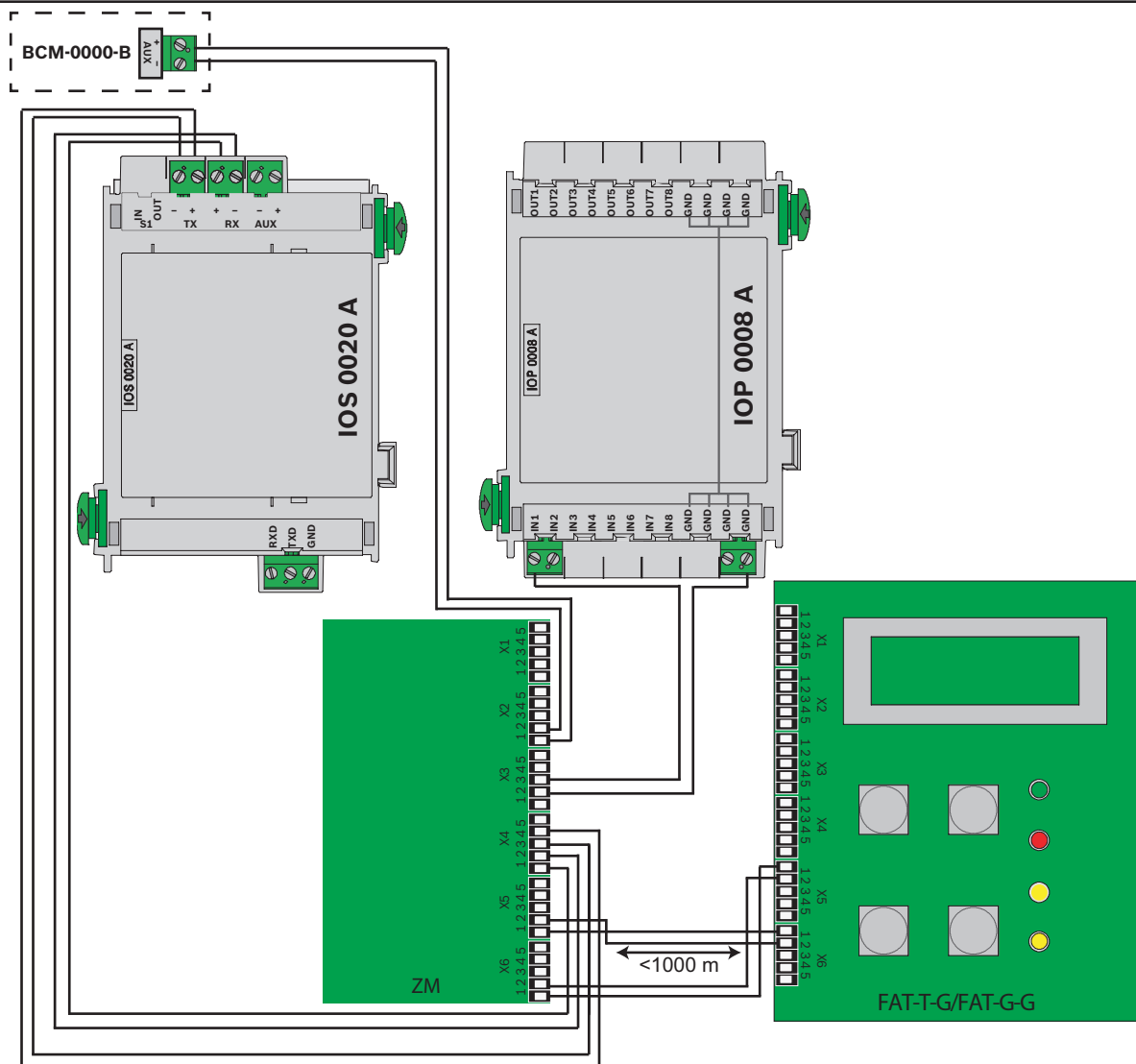


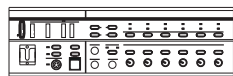
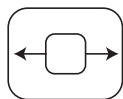
FAT-T-G/FAT-G-G
ZM



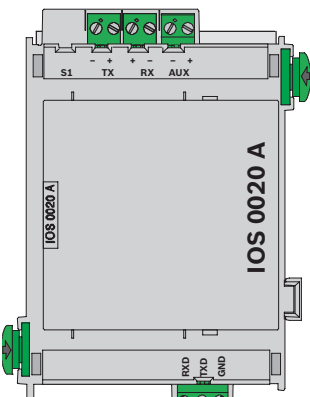
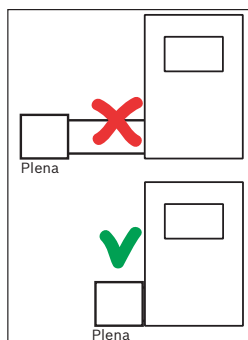


**FAT-T-G/FAT-G-G
ZM**

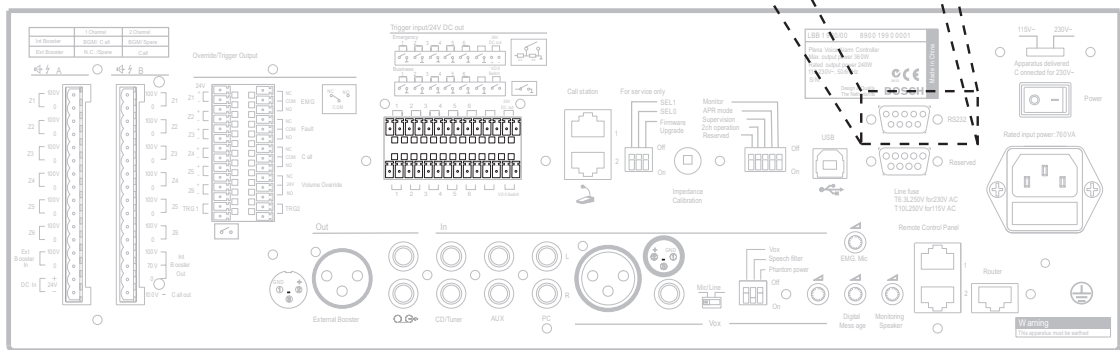
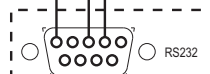


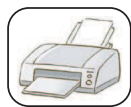


Plena

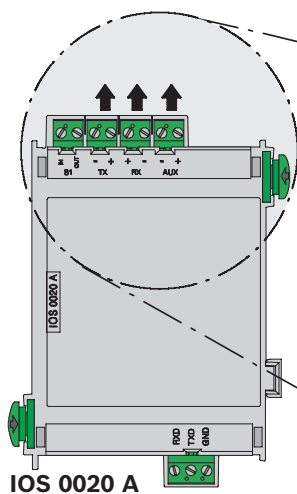
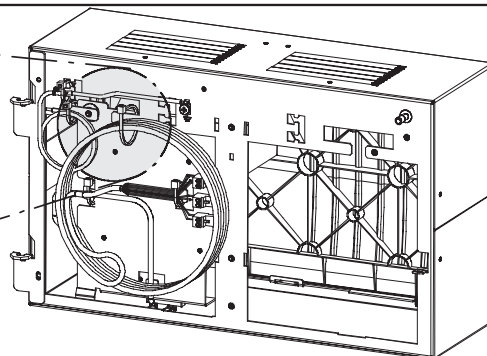
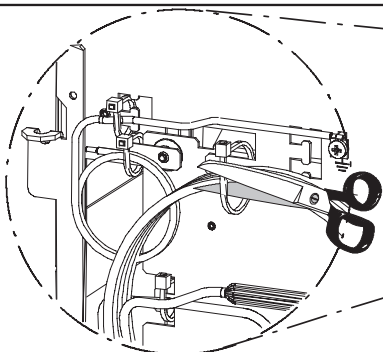


max. 3m

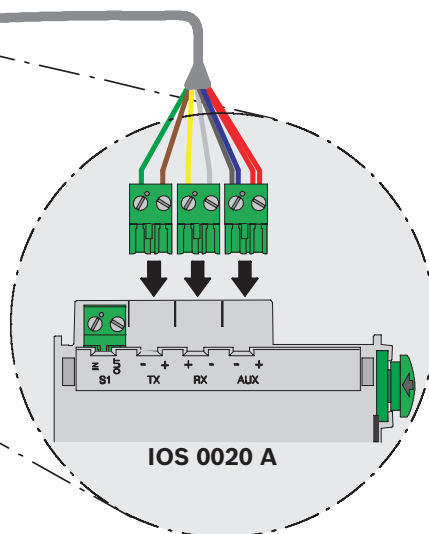




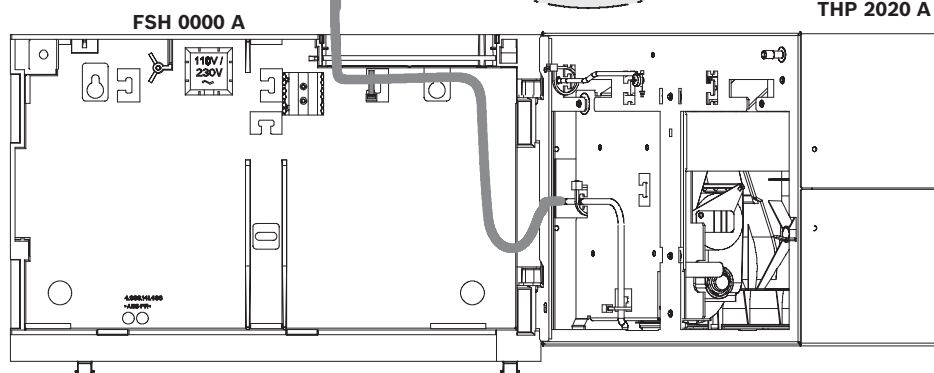
THP 2020 A



IOS 0020 A

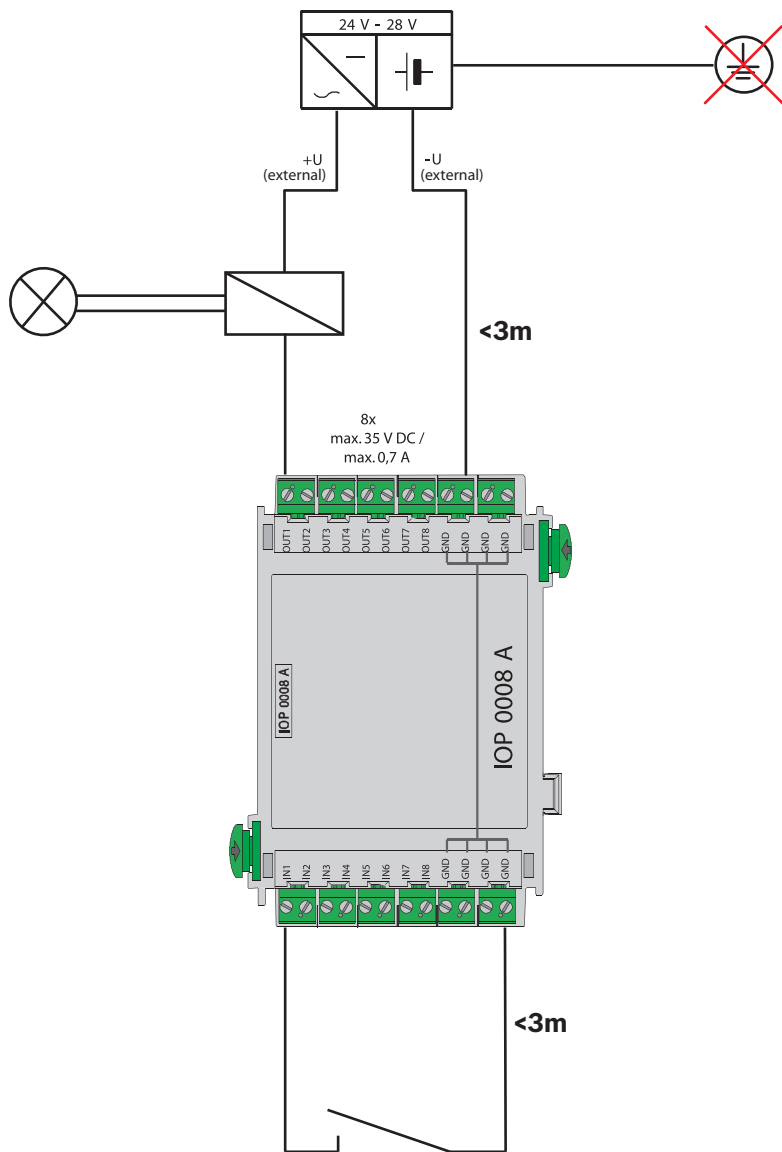
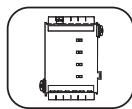


IOS 0020 A



FSH 0000 A

THP 2020 A

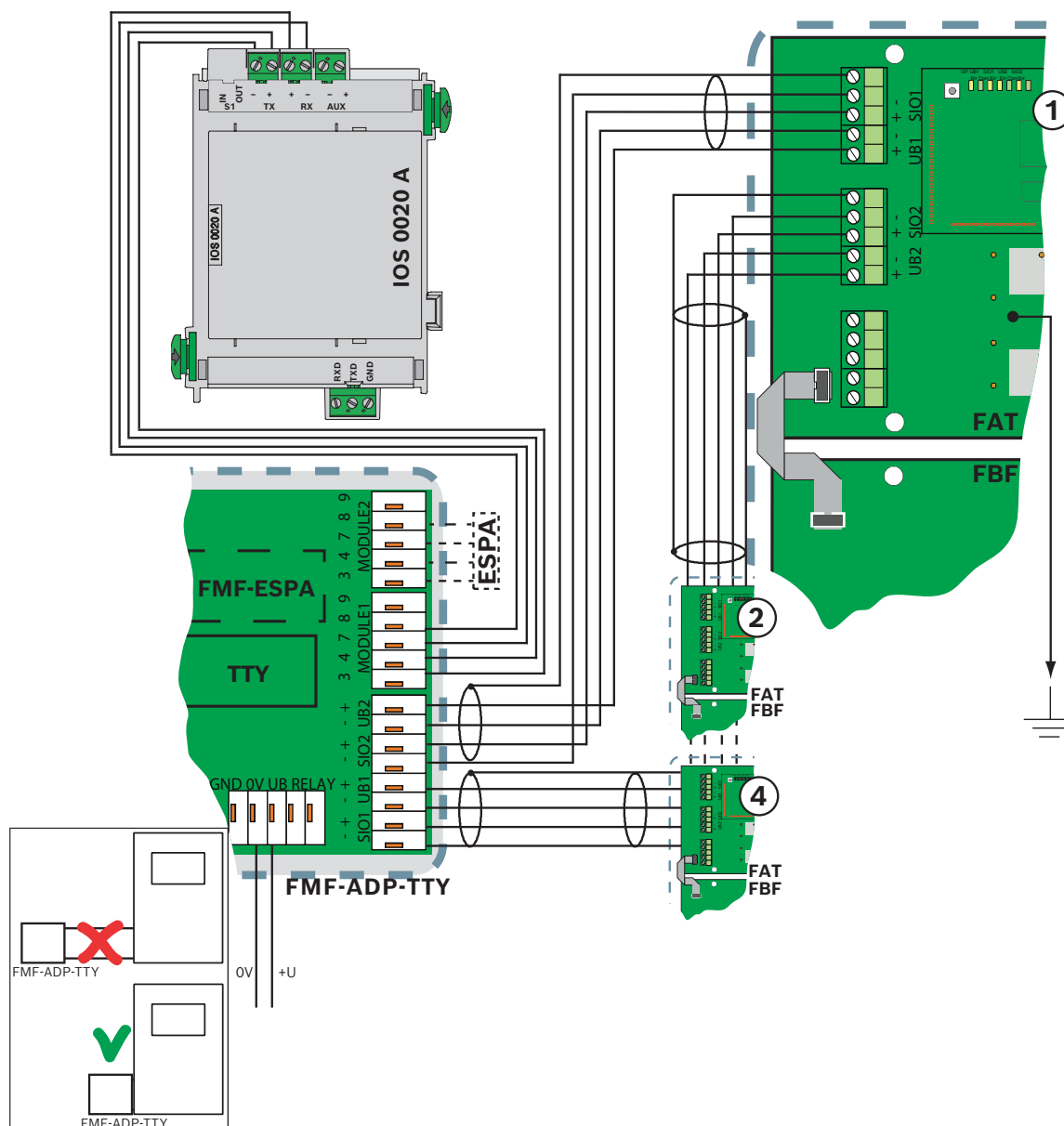




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FMF-FAT FMF-FBF-FAT
FMF-FIBS-A4/-A3
FMF-ADP

ELS VdS 2489

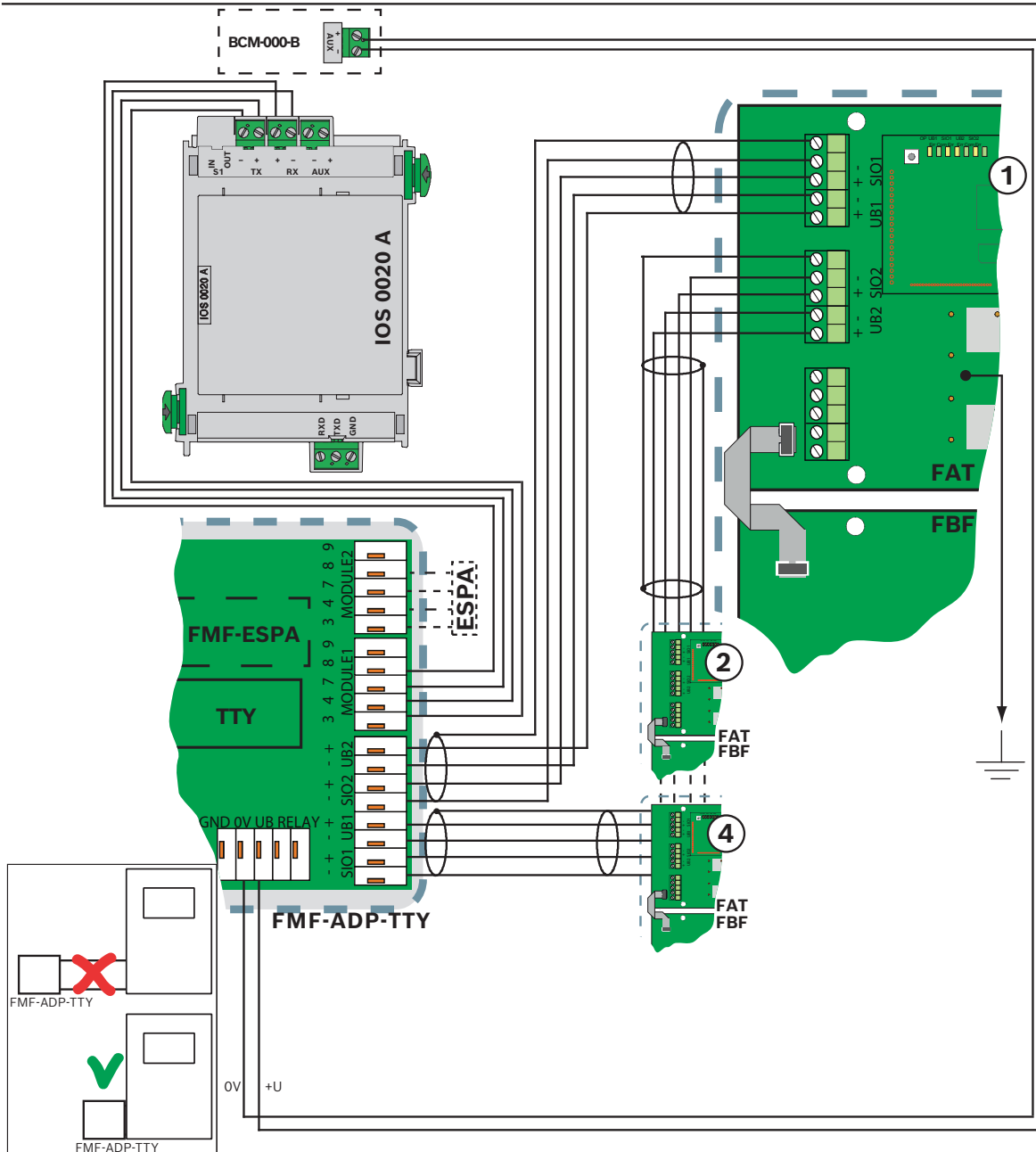




FAT4000 FBF4000 ADP4000

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

ELS VdS 2489



3.3.8

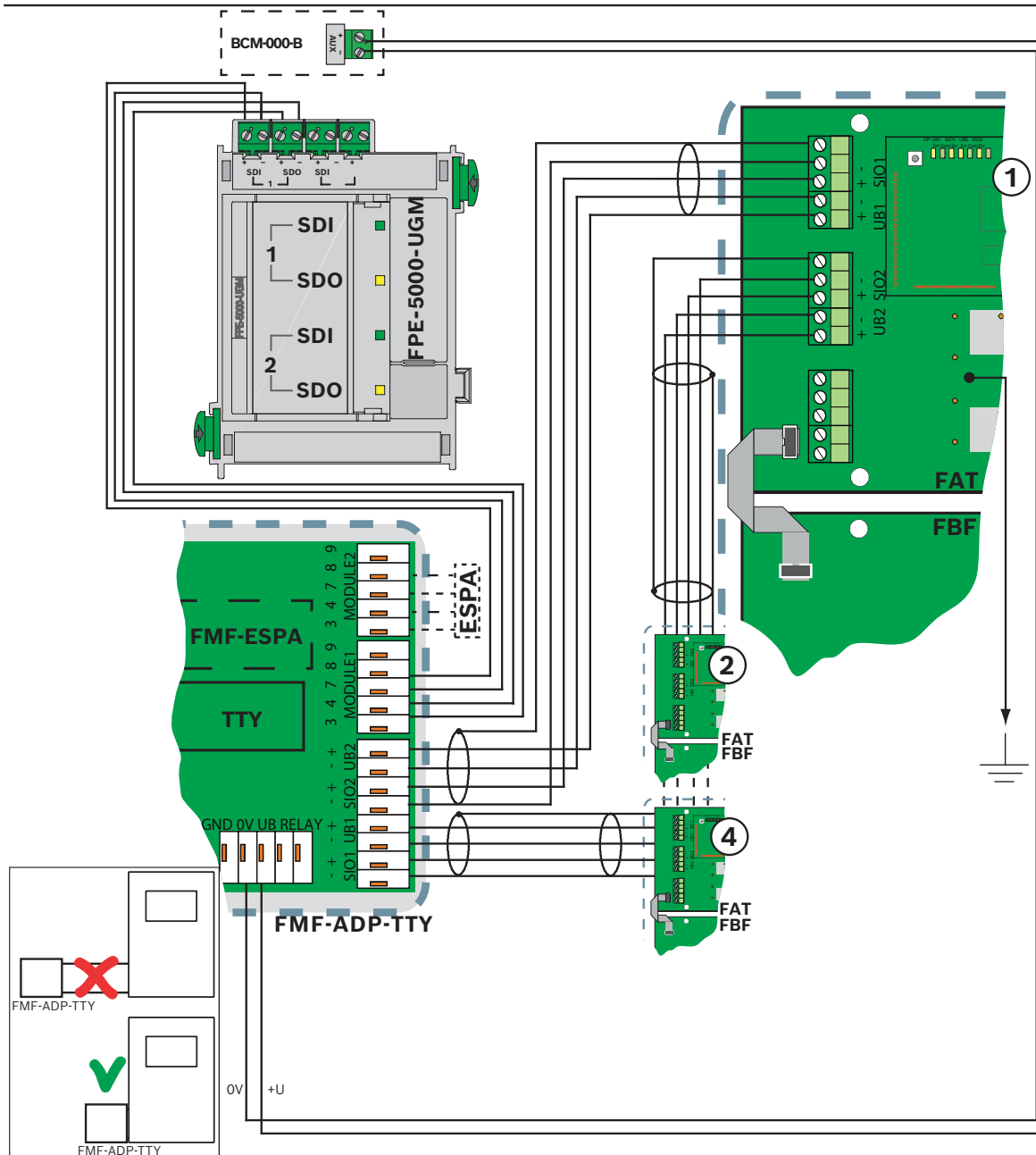
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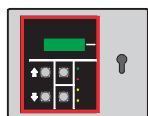


FAT4000 FBF4000 ADP4000

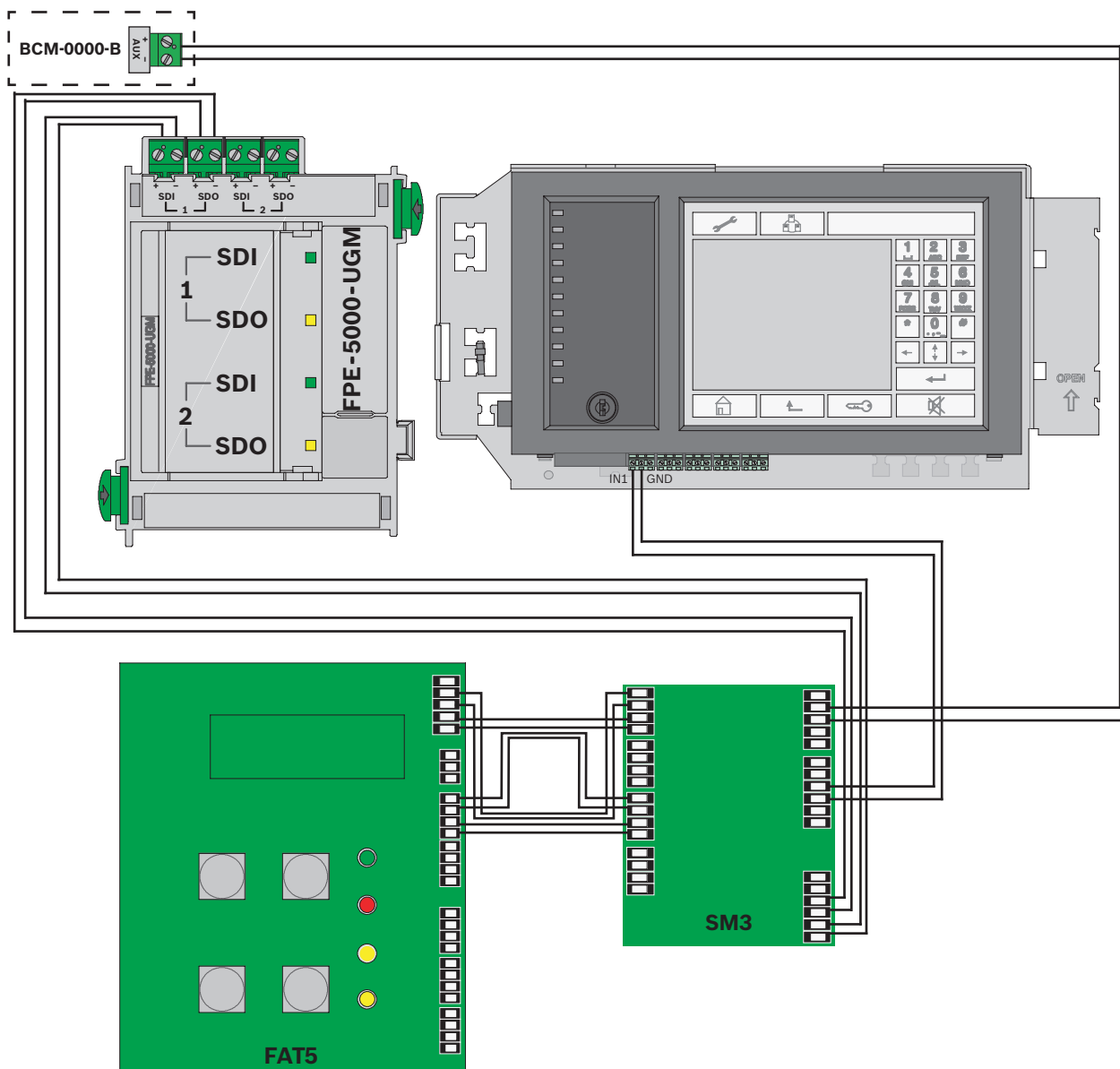
FMF-FAT FMF-FBF-FAT
FMF-FIBS-A4/-A3
FMF-ADP

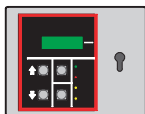
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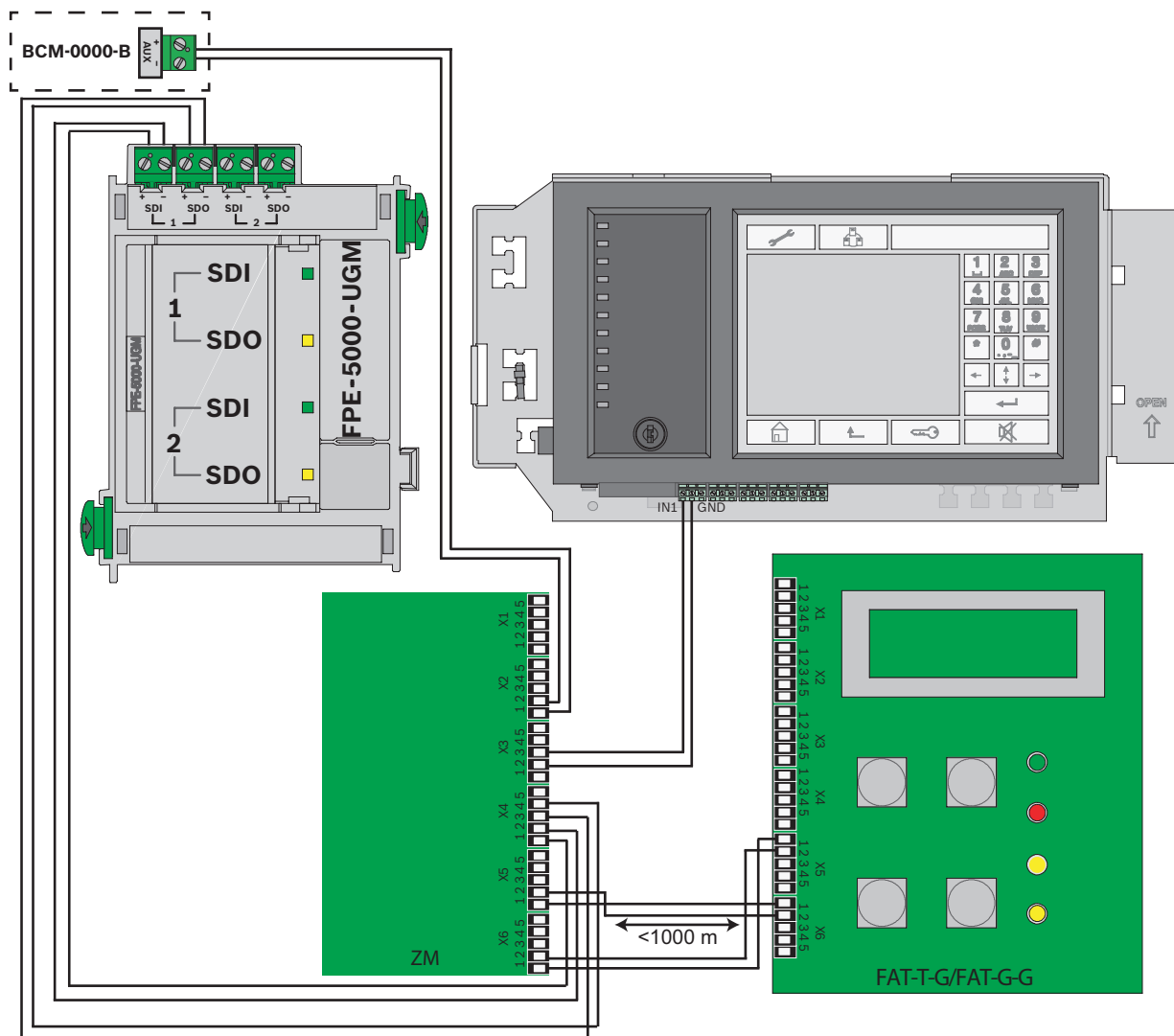


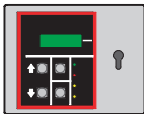
FAT5
SM3



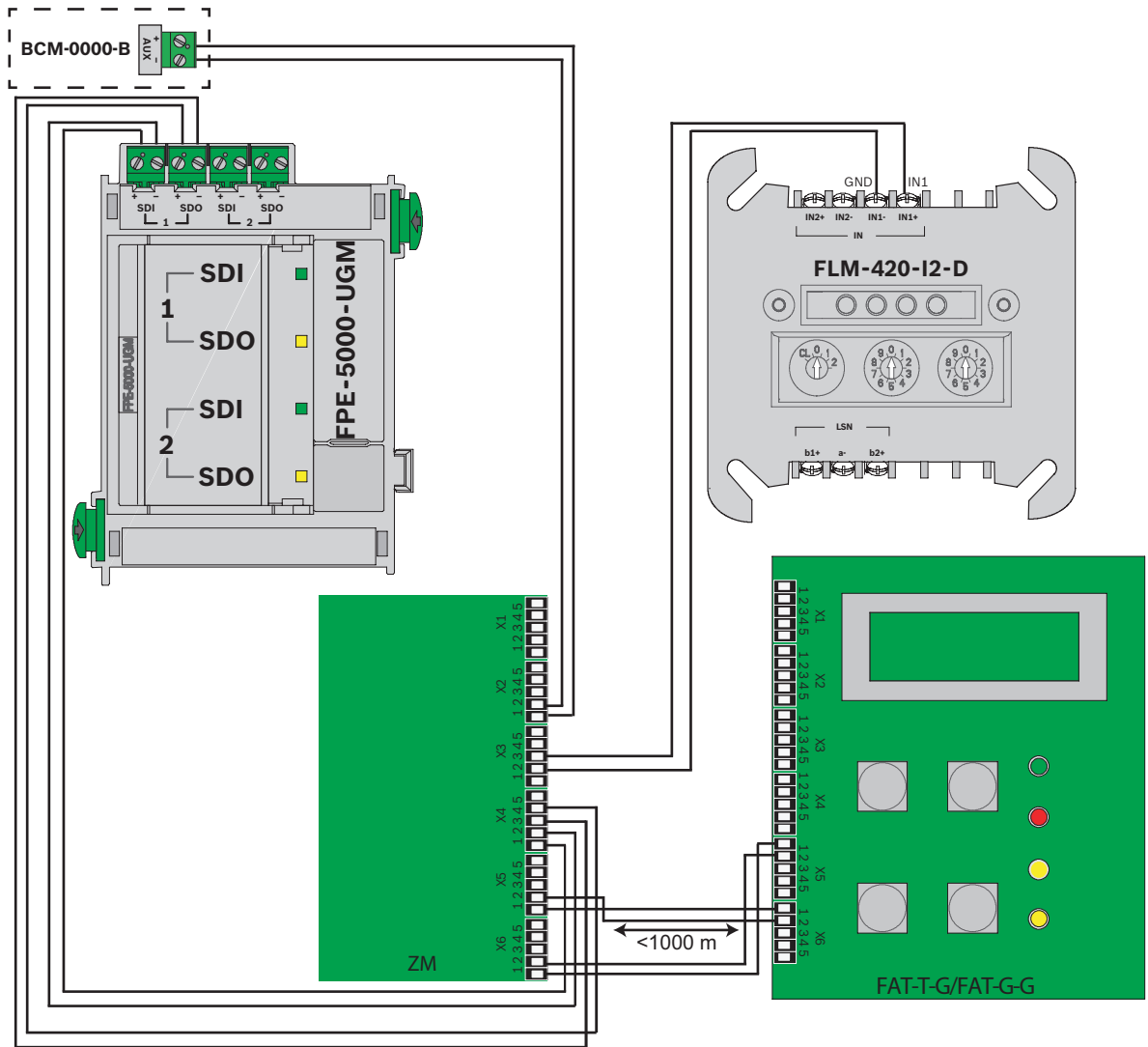


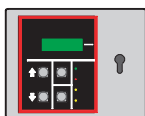
FAT-T-G/FAT-G-G
ZM



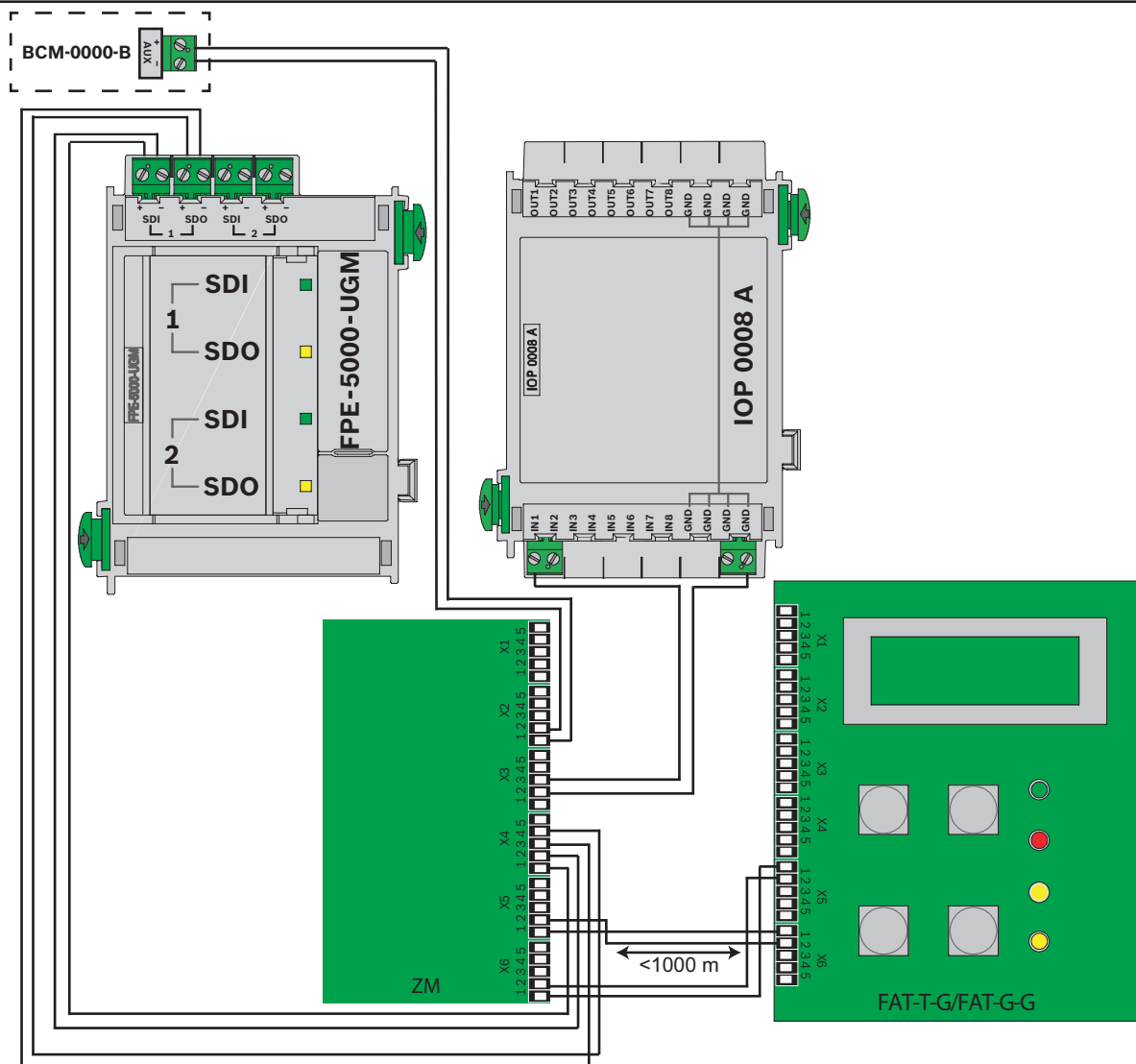


FAT-T-G/FAT-G-G
ZM





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



3.4 Modules d'interface



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

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

FLM-420-RLE-S, Page 175

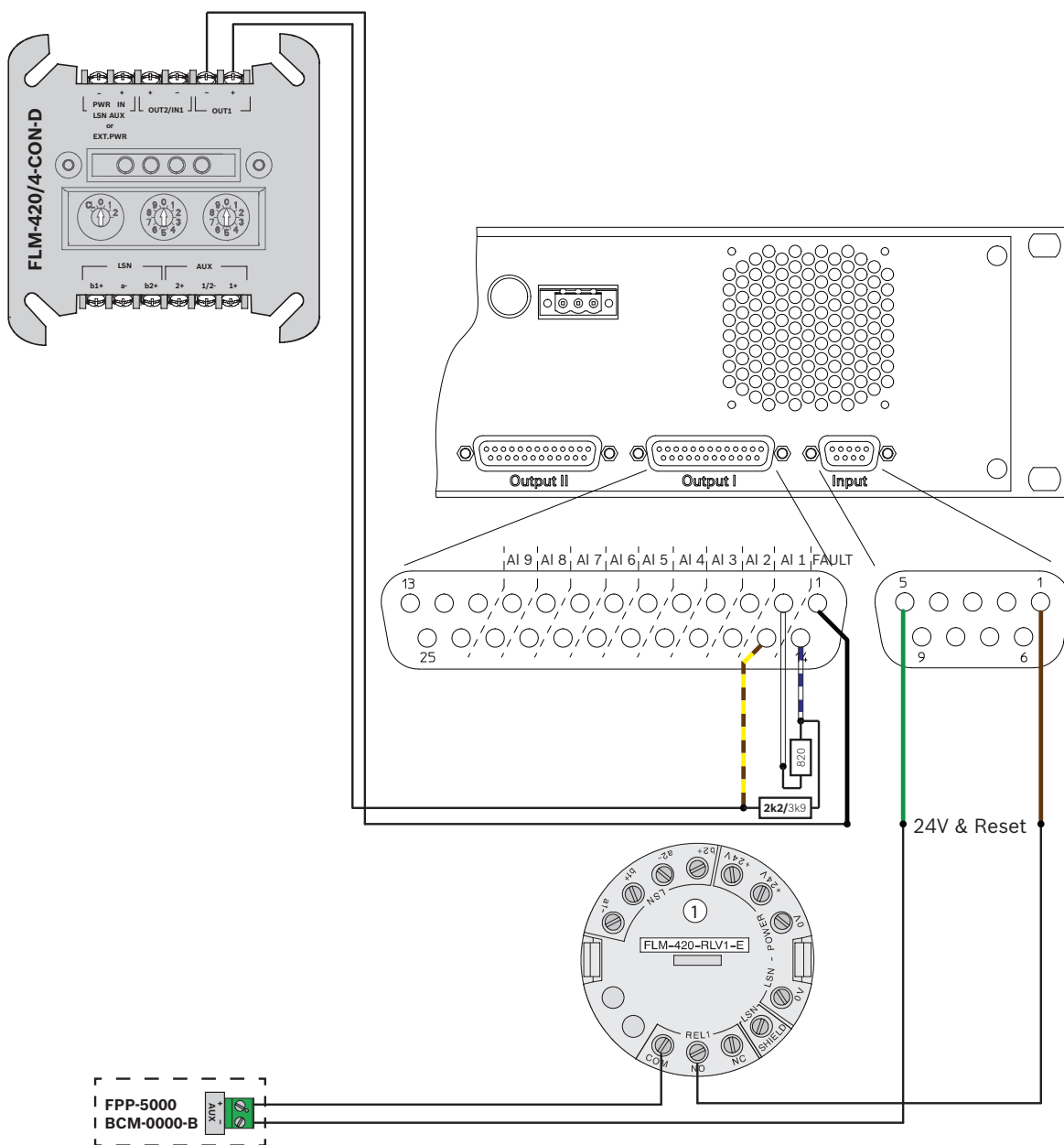
FLM-420-RLV1-E, Page 176

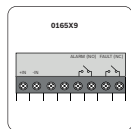
FLM-420-RLV8-S, Page 177

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

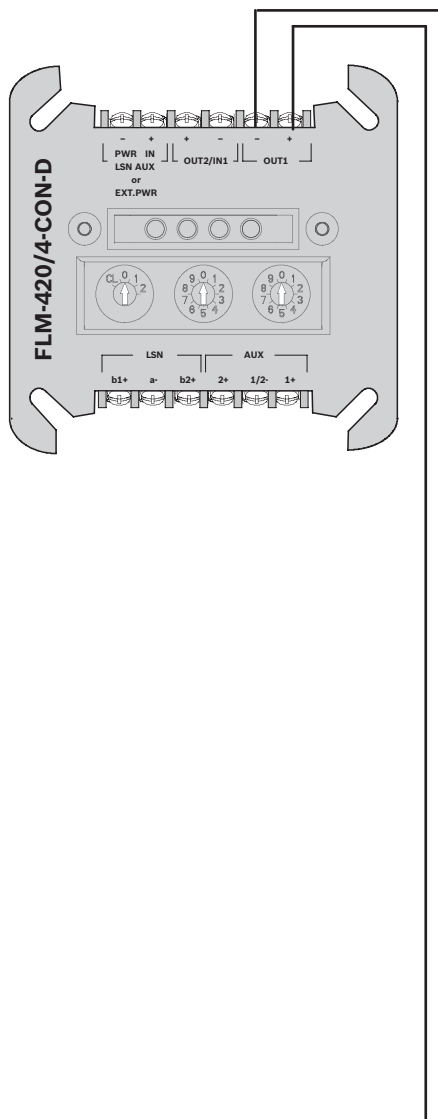
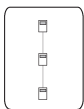


N4387A

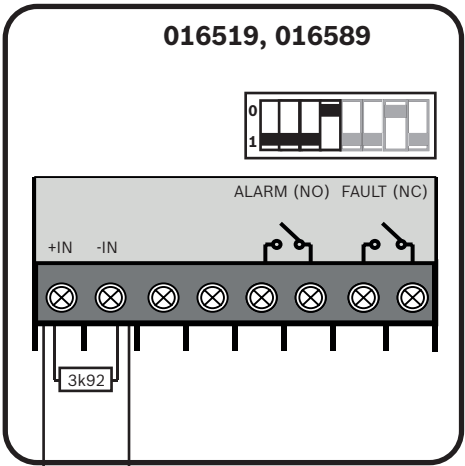


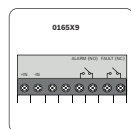


016519, 016589
IR3 Flame Detector

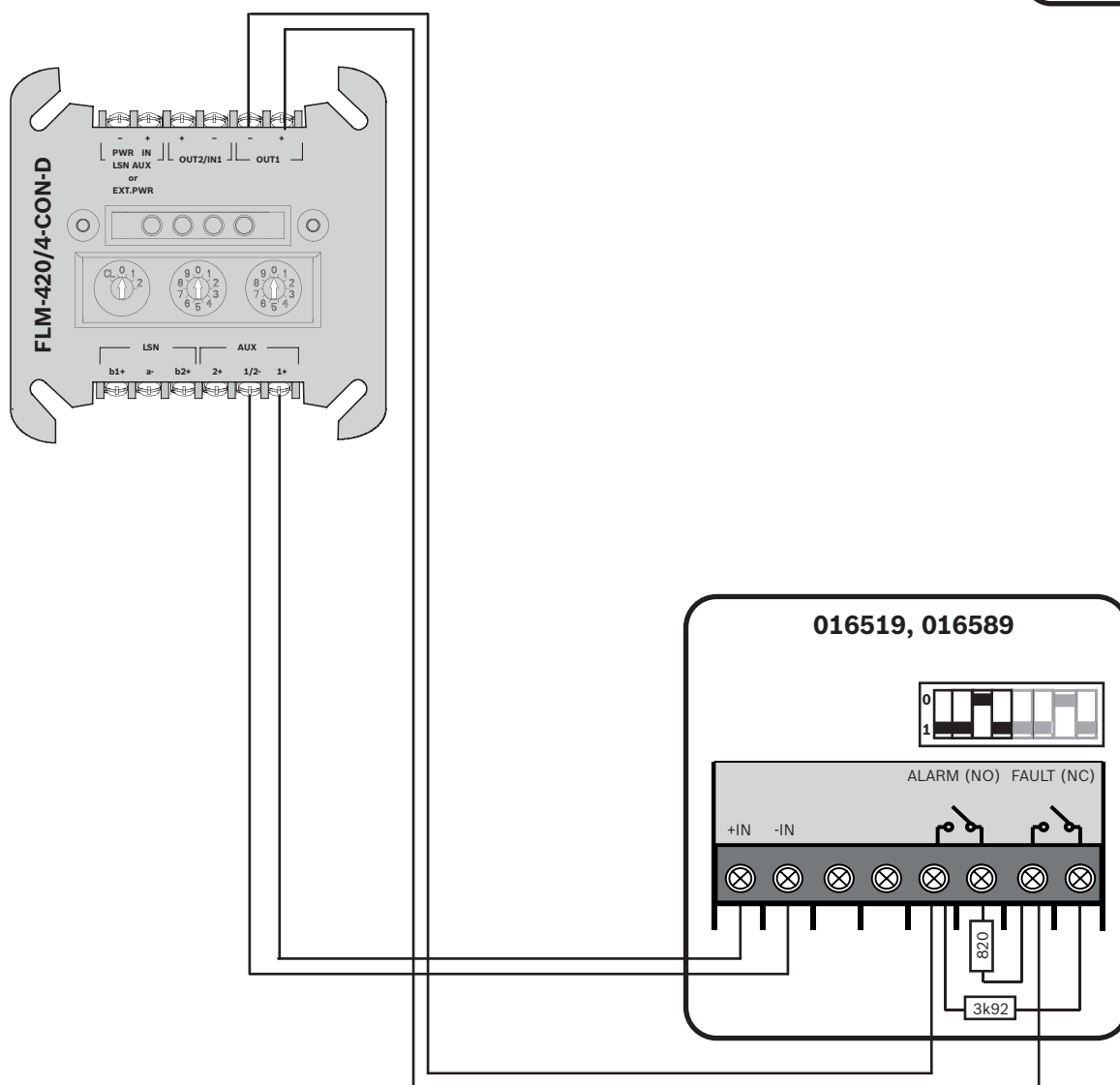
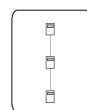


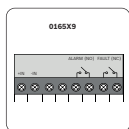
max. 1 x 0165X9



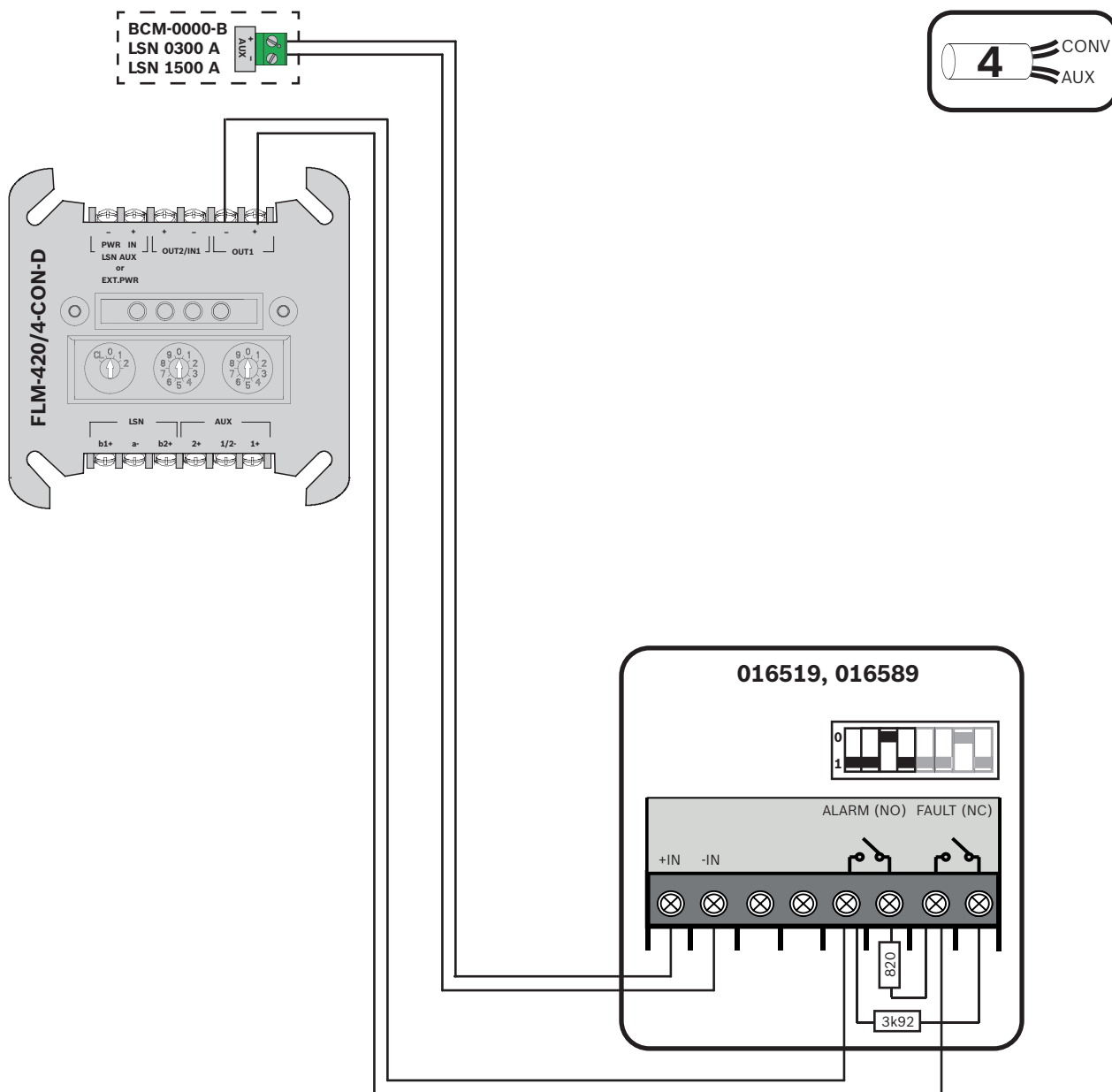
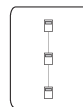


016519, 016589 IR3 Flame Detector



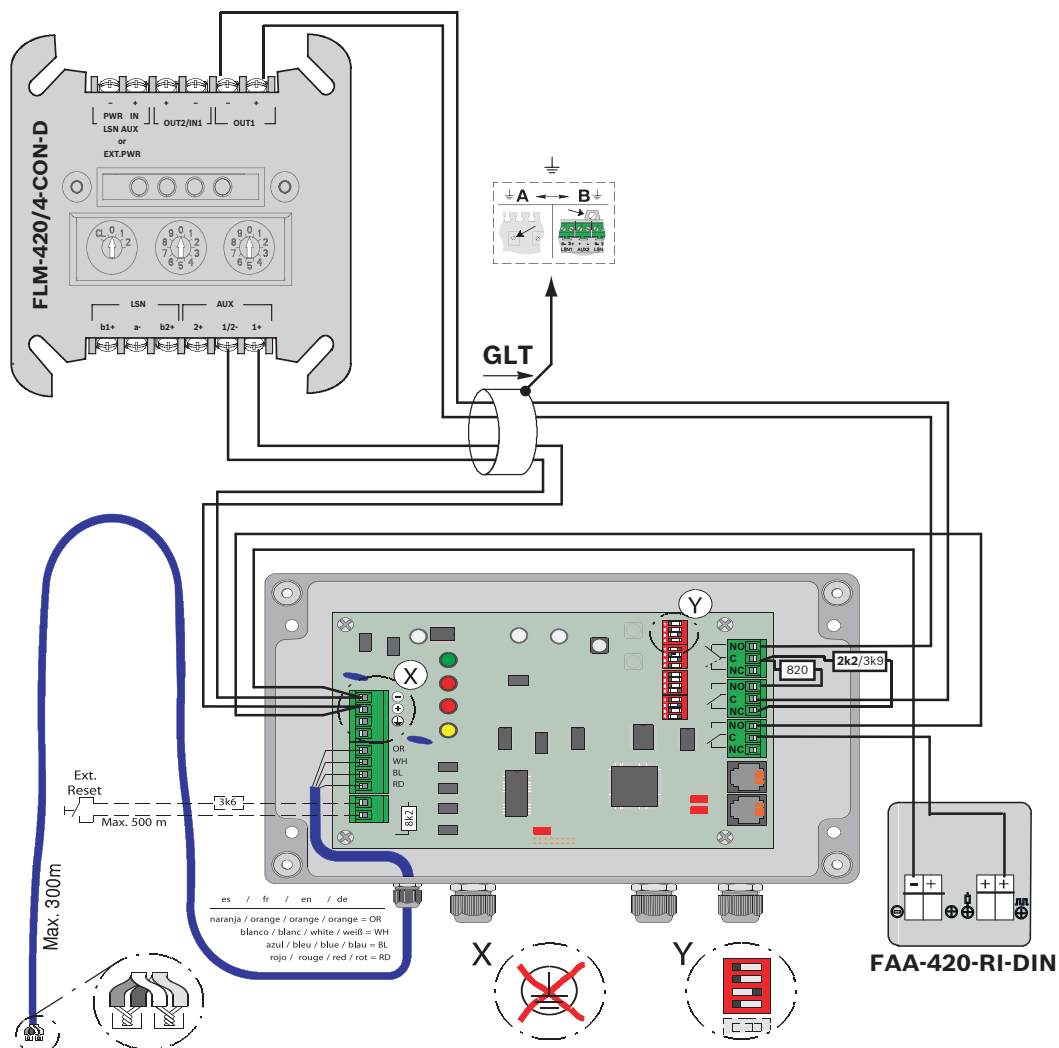
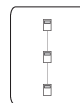


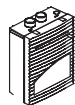
016519, 016589
IR3 Flame Detector





FCS-LWM-1

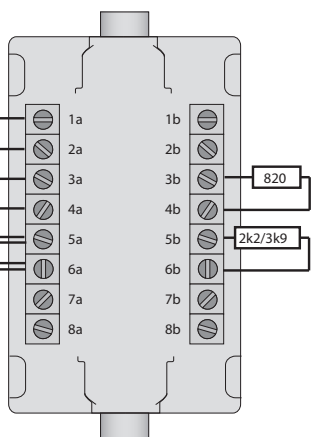
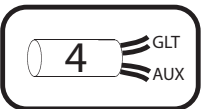
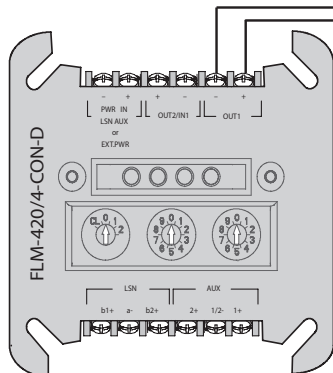


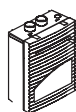


FCS-320-TM Series

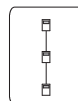
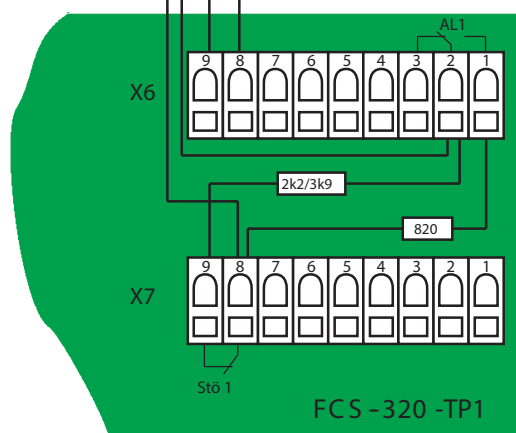
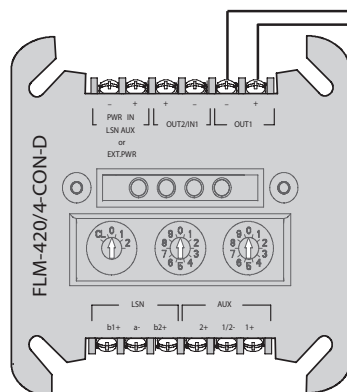
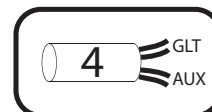


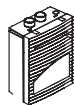
BCM-0000-B
LSN 0300 A
LSN 1500 A



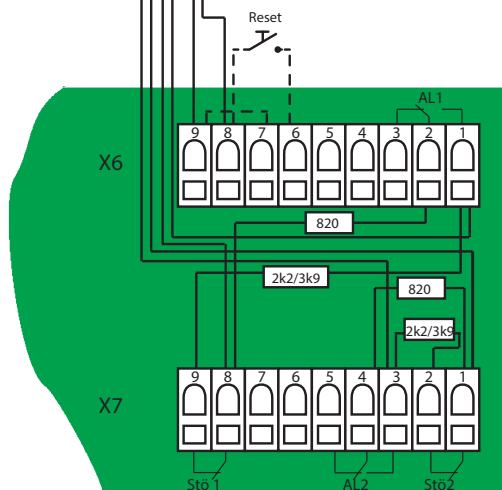
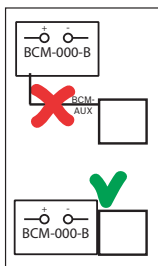
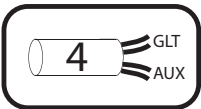
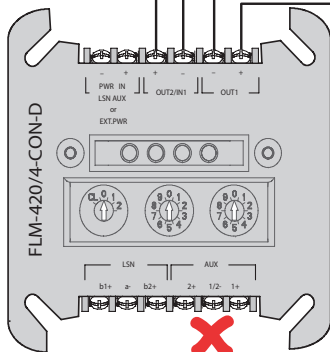
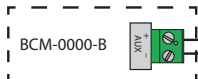


FCS-320-TP Series

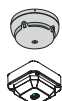
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LSN 1500 A



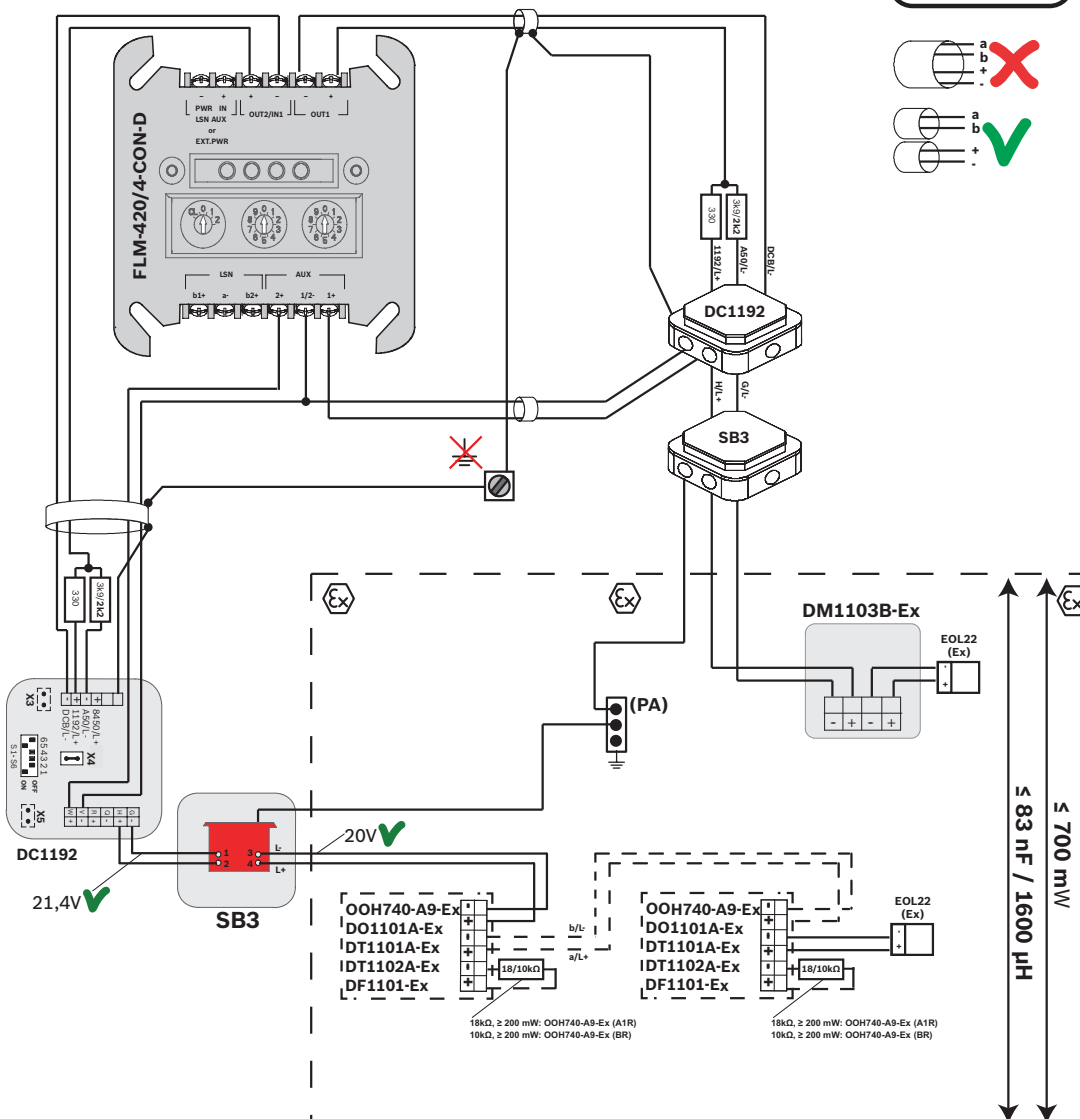
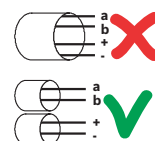
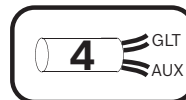
FCS-320-TP Series



FCS - 320 -TP2

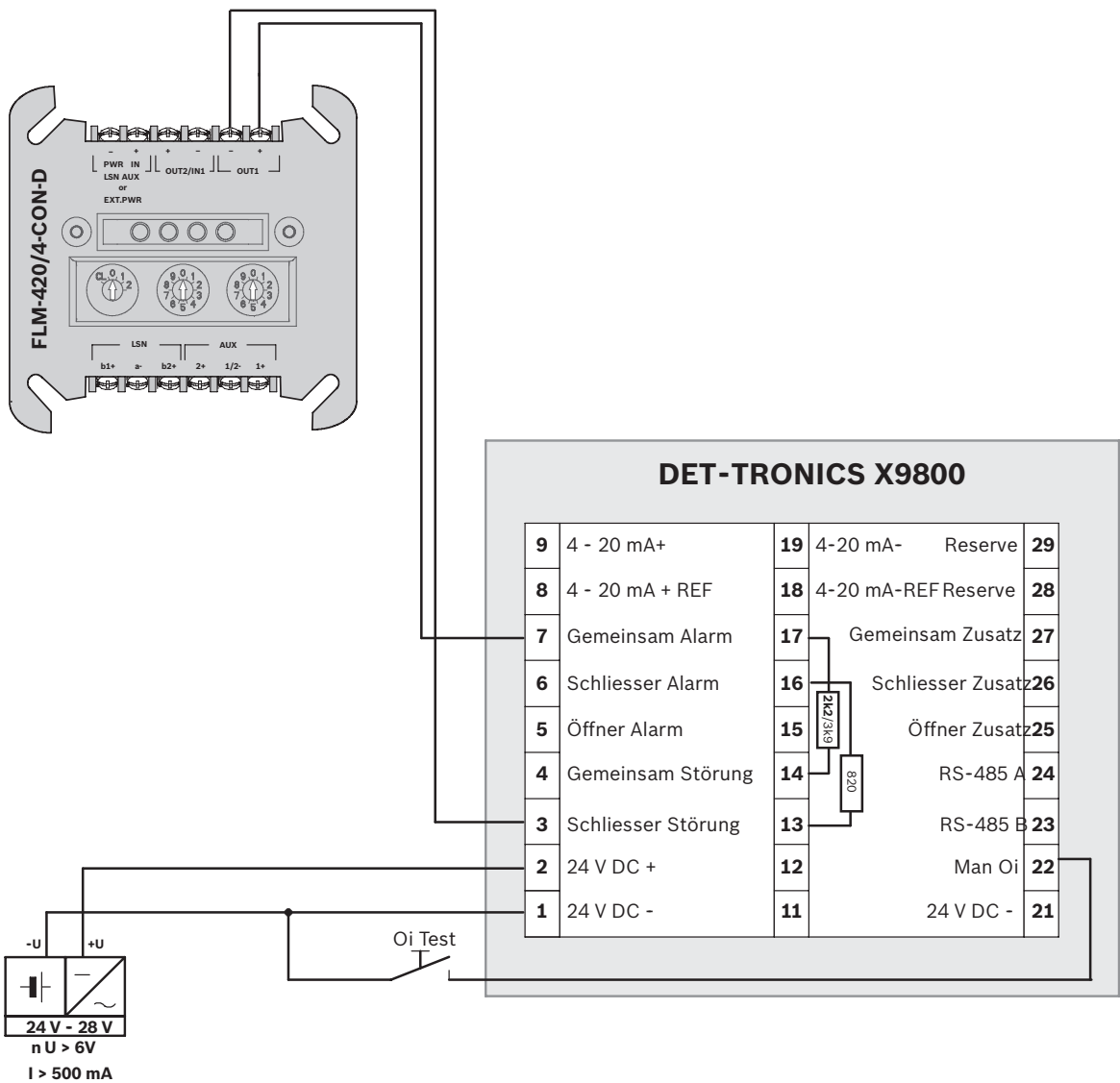
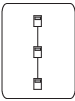


DC1192, SB3
OOH740-A9-Ex
DO1101A-Ex
DT1101A-Ex/DT1102A-Ex
DF1101-Ex
DM1103B-Ex



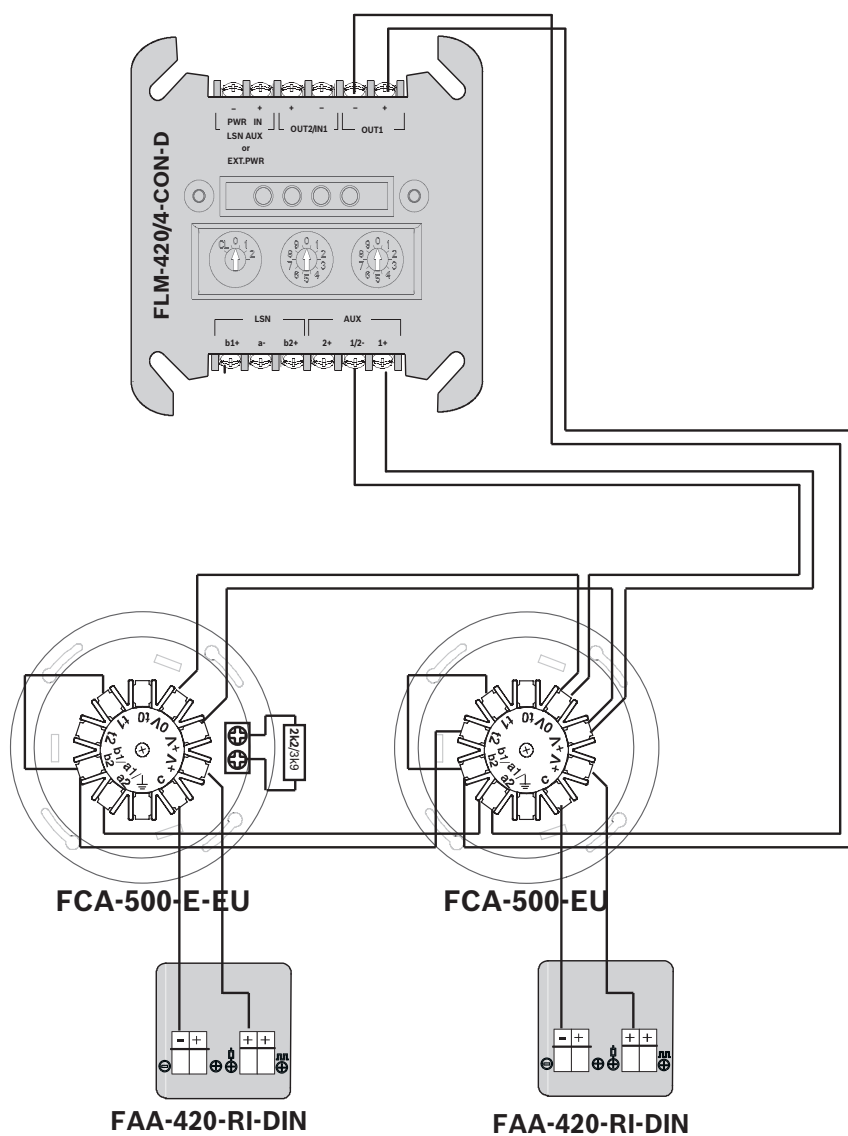


DET-TRONICS X9800



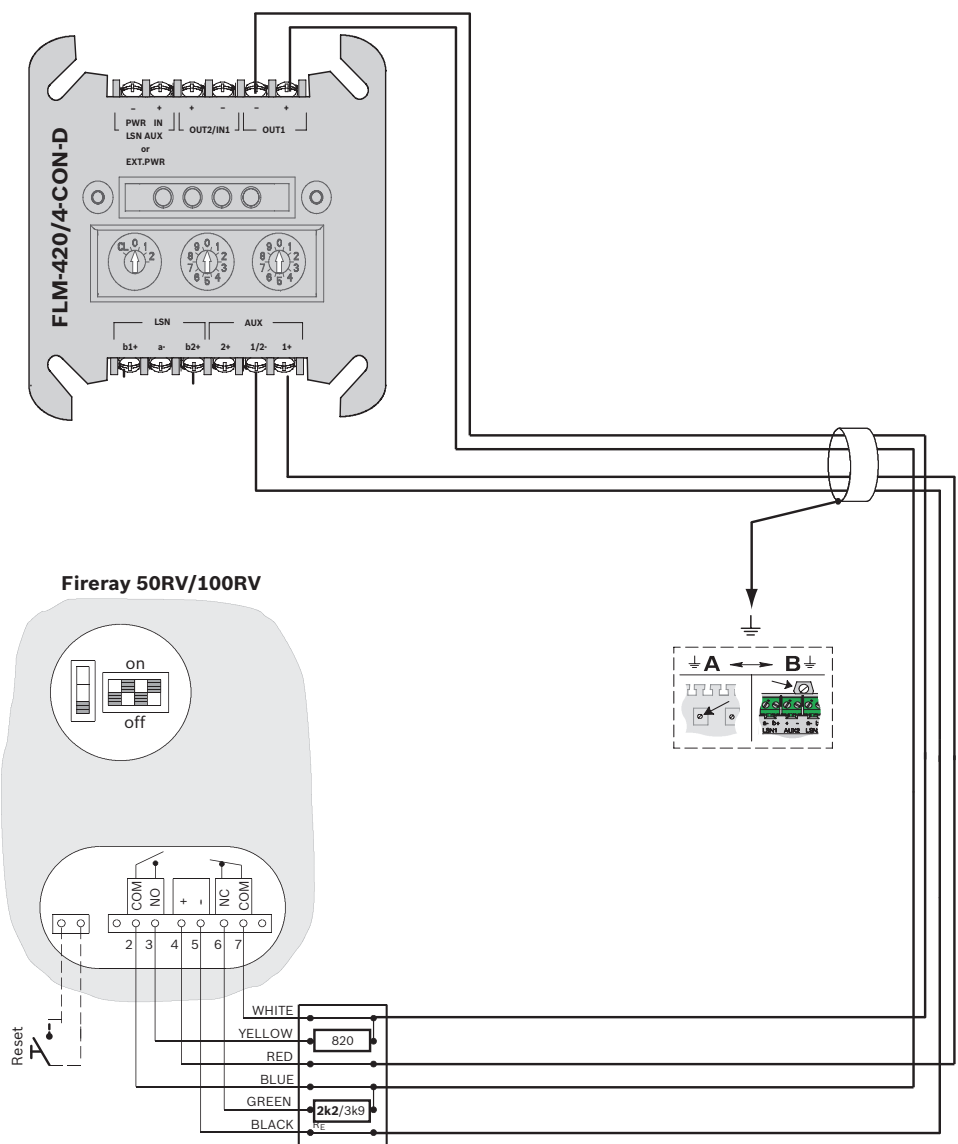


FCP-500





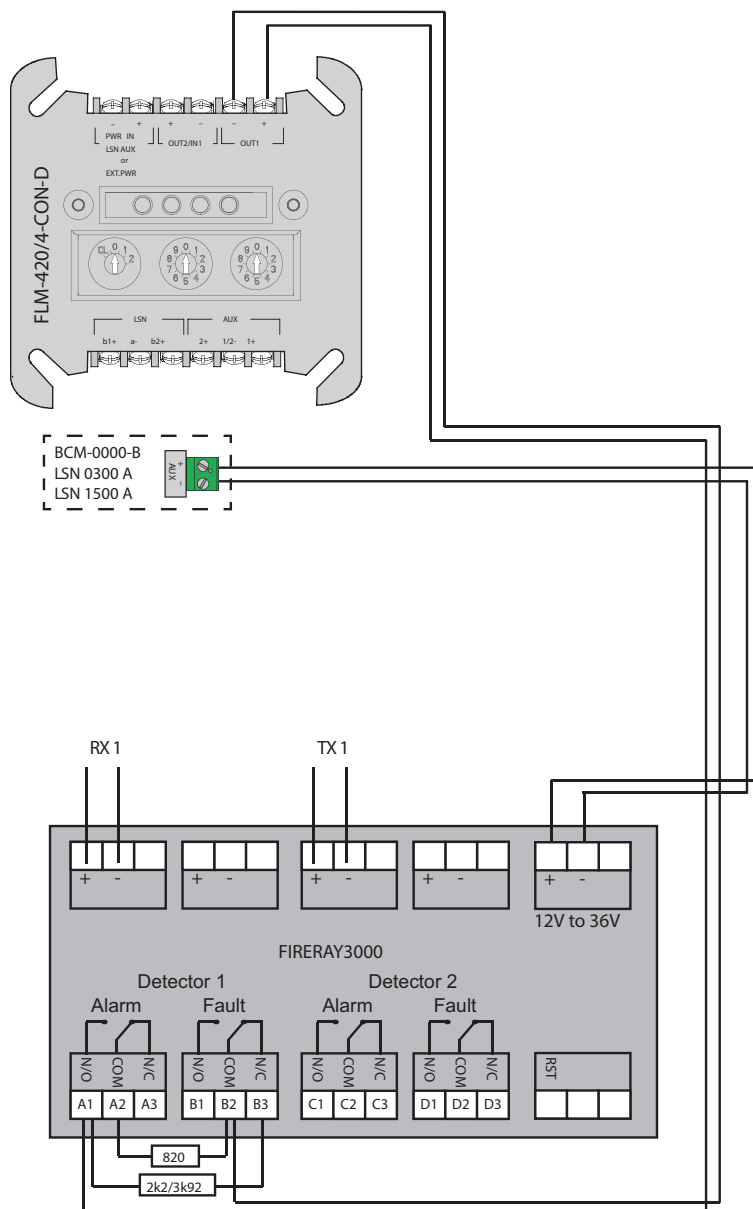
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Fireray 100RV

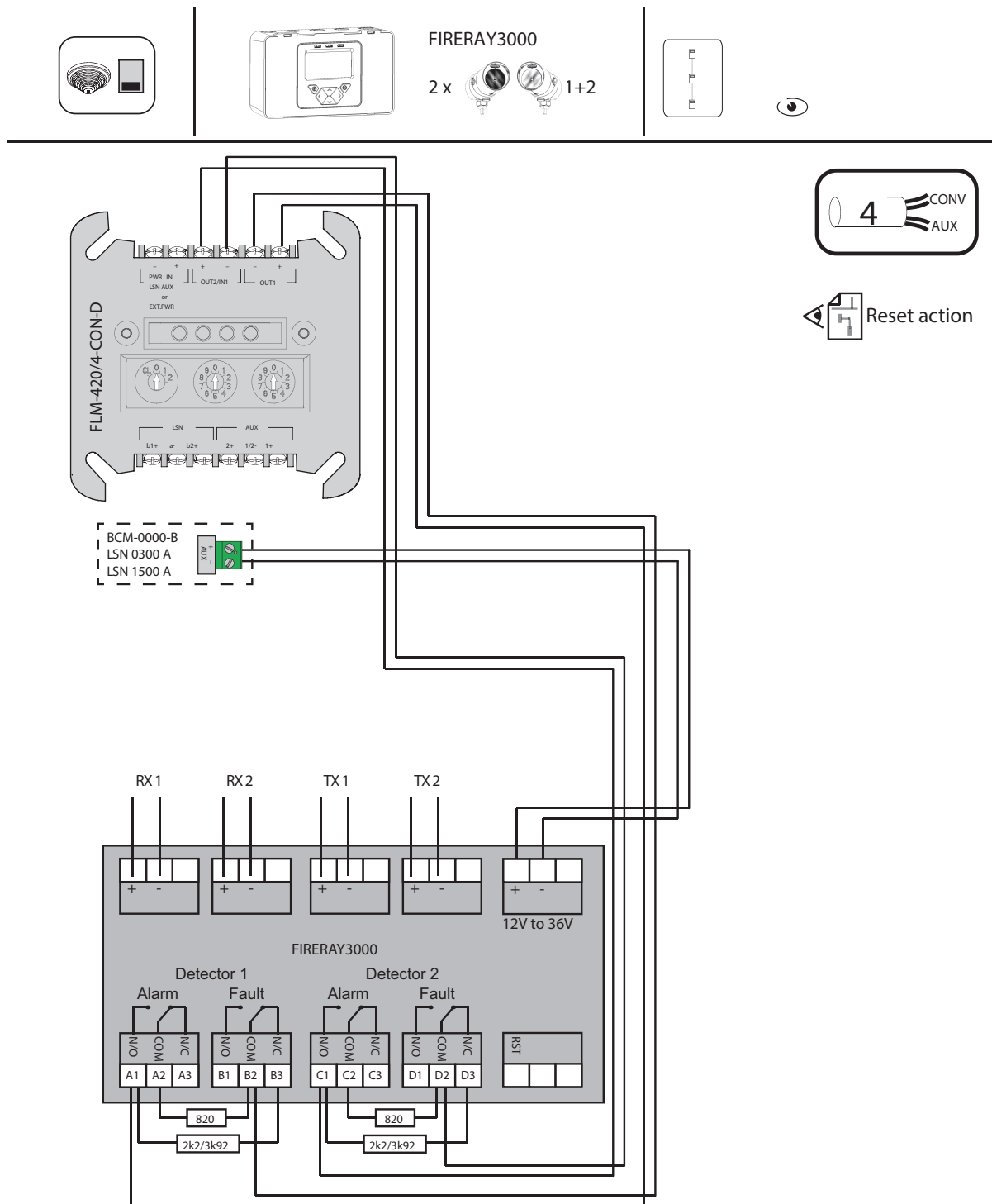




FIRERAY3000

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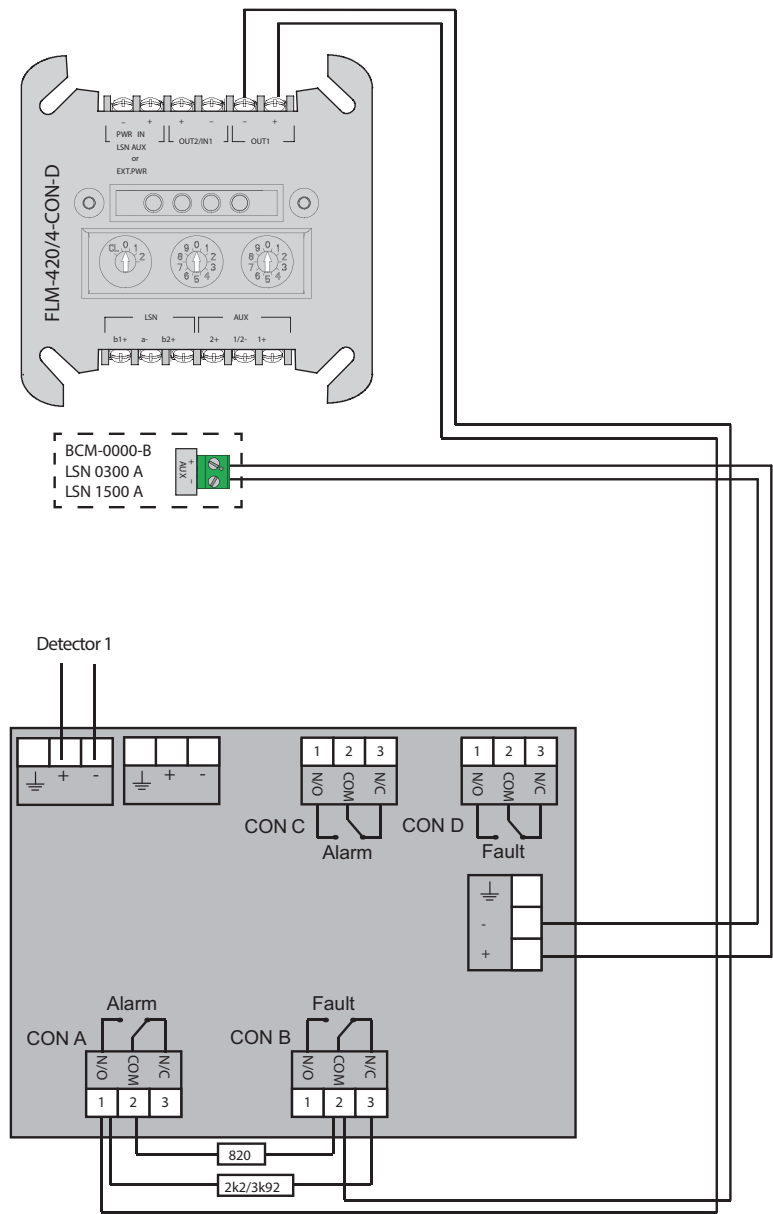






FIRERAY5000

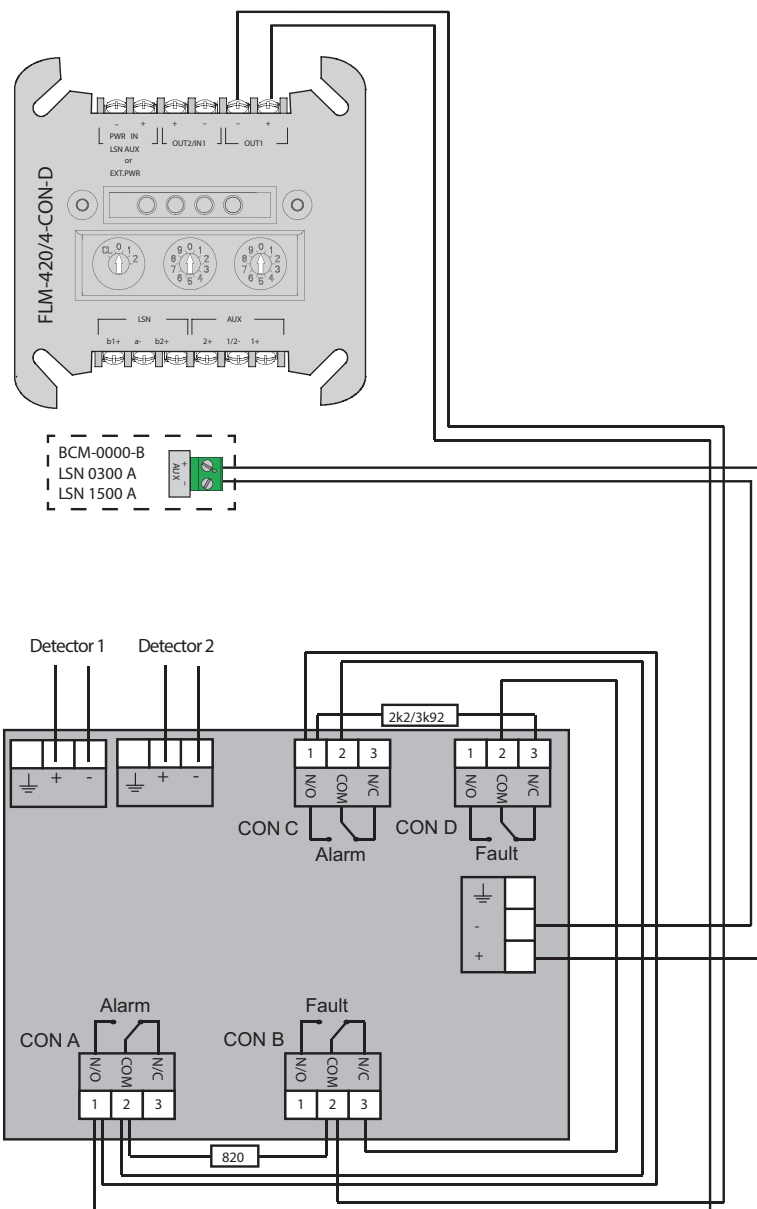
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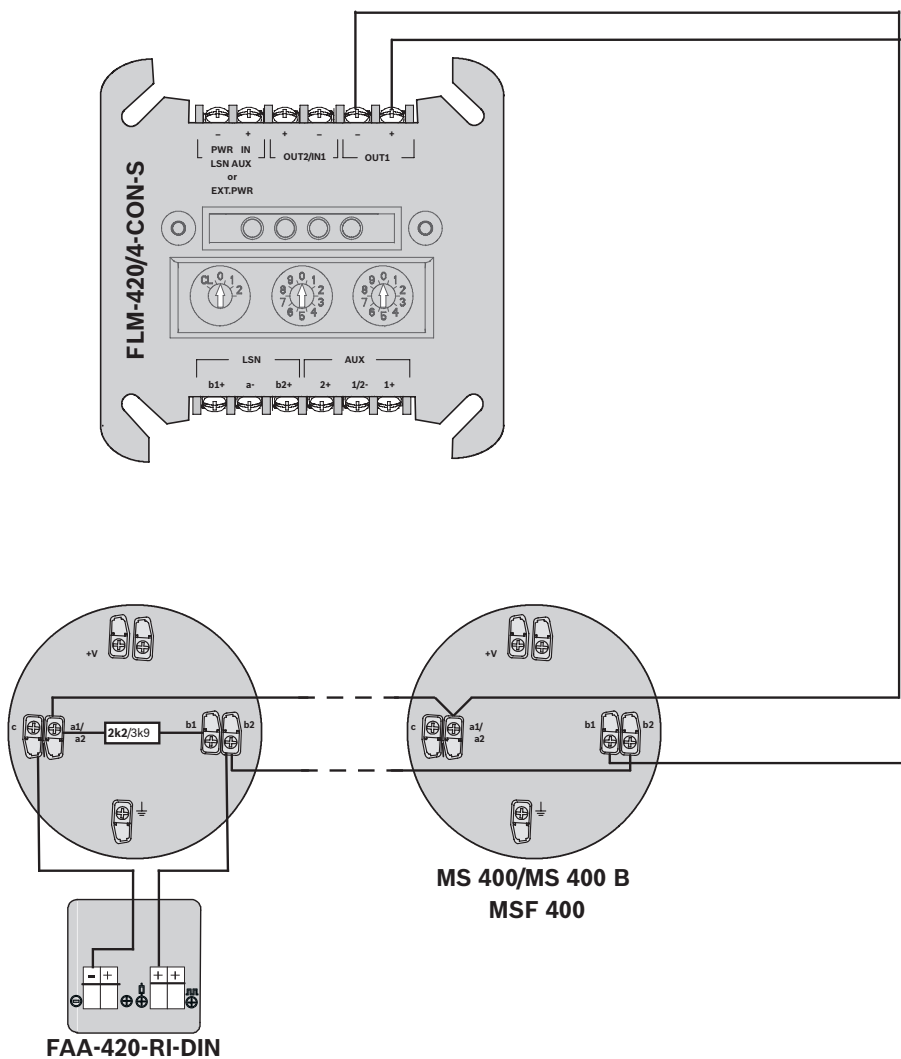
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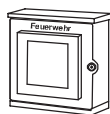
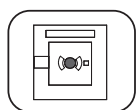
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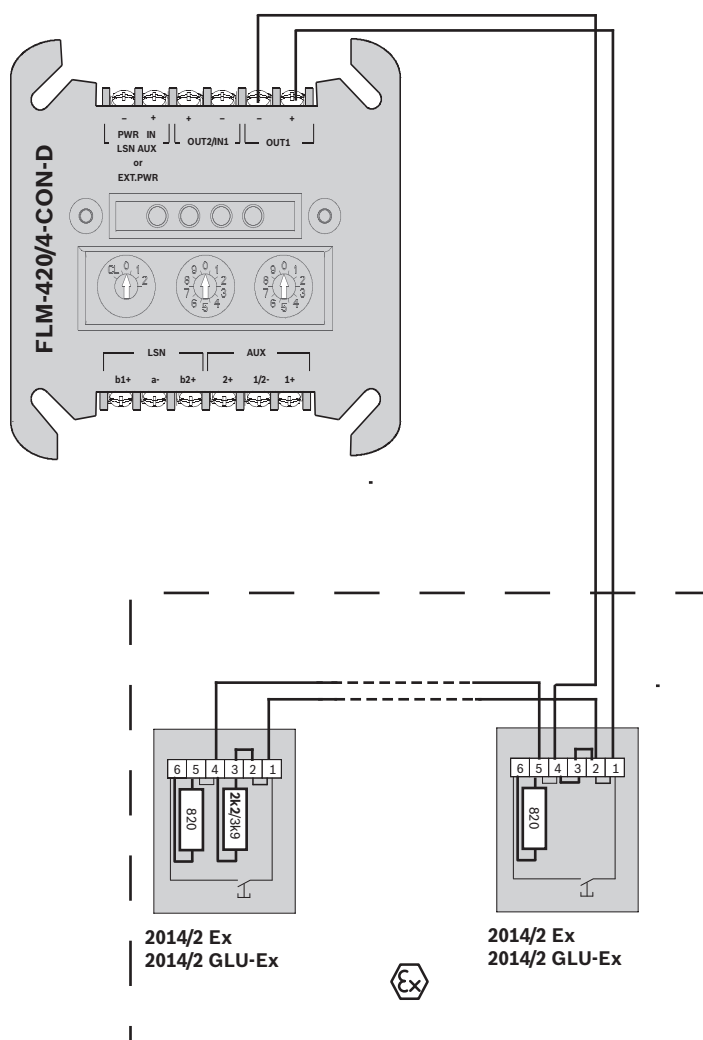
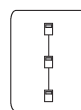


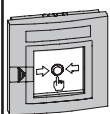
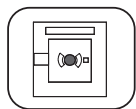
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 FCP-OT320/-OT320-R470



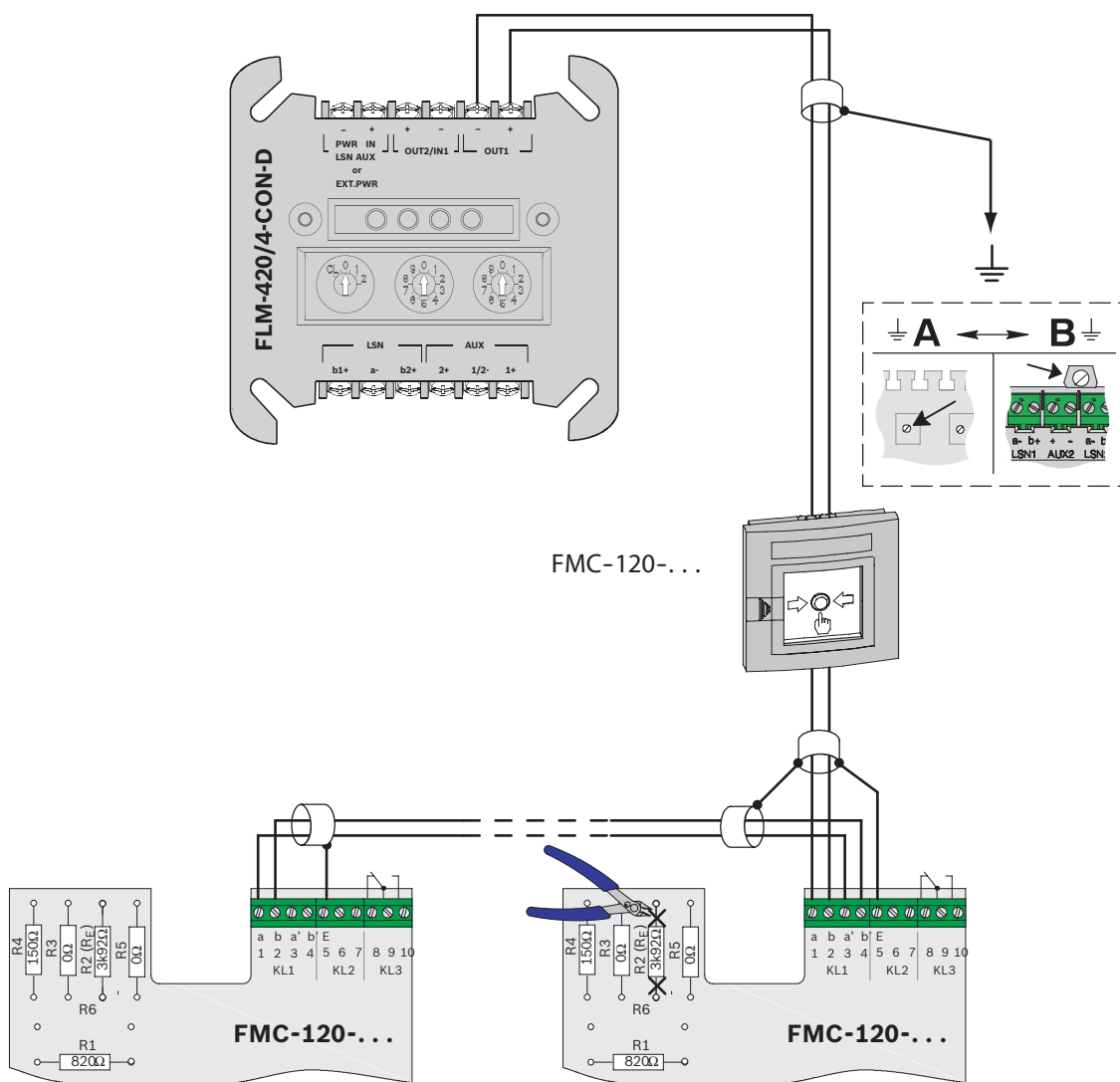
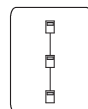


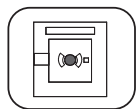
2014/2 Ex
2014/2 GLU-Ex



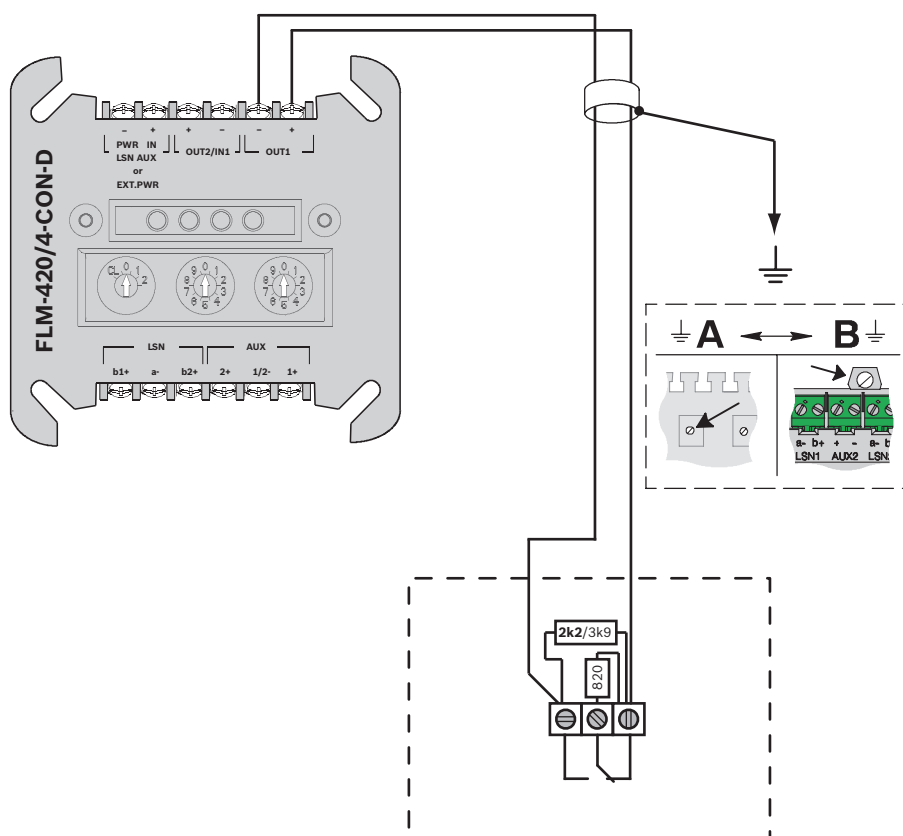
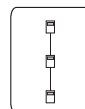


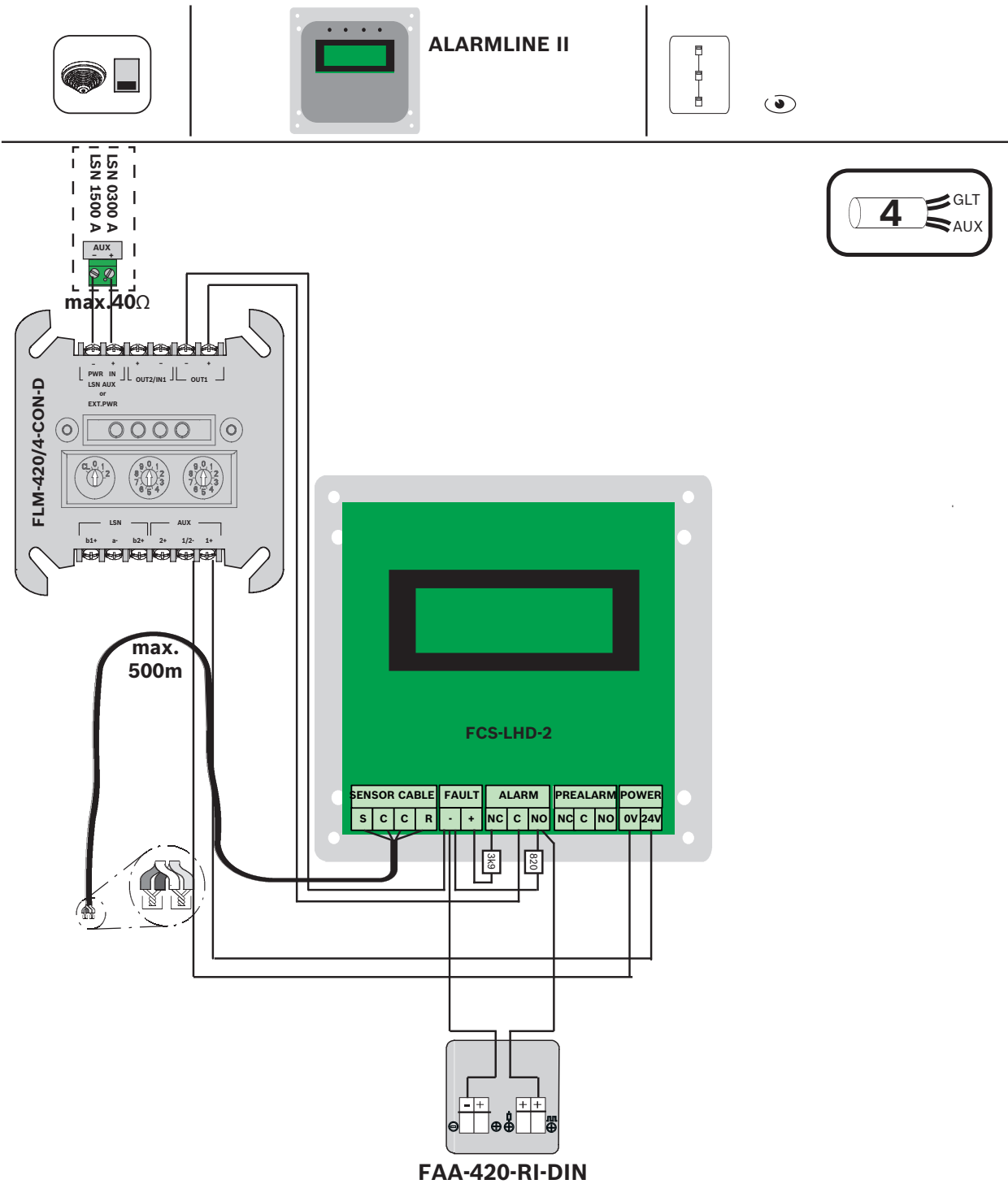
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FMC-120-DKM-H-R FMC-120-EST-G-B
FMC-120-DKM-G-B
FMC-120-DKM-H-B

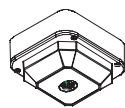
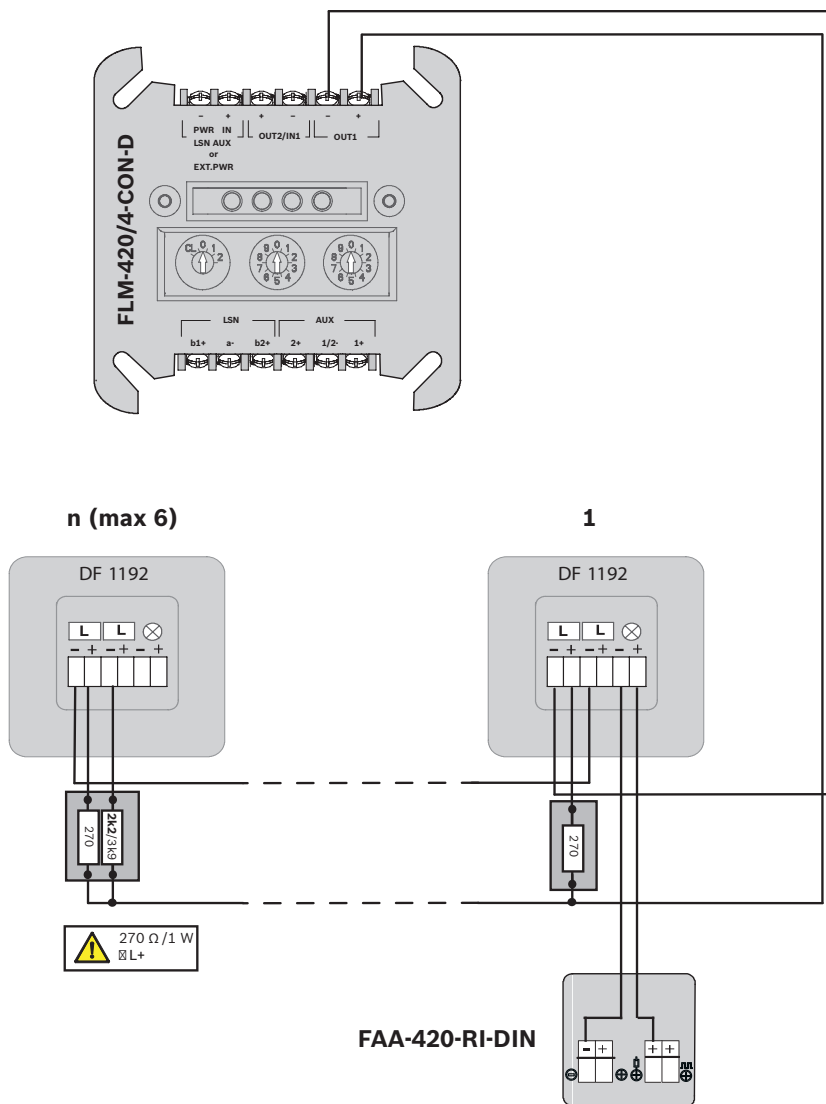




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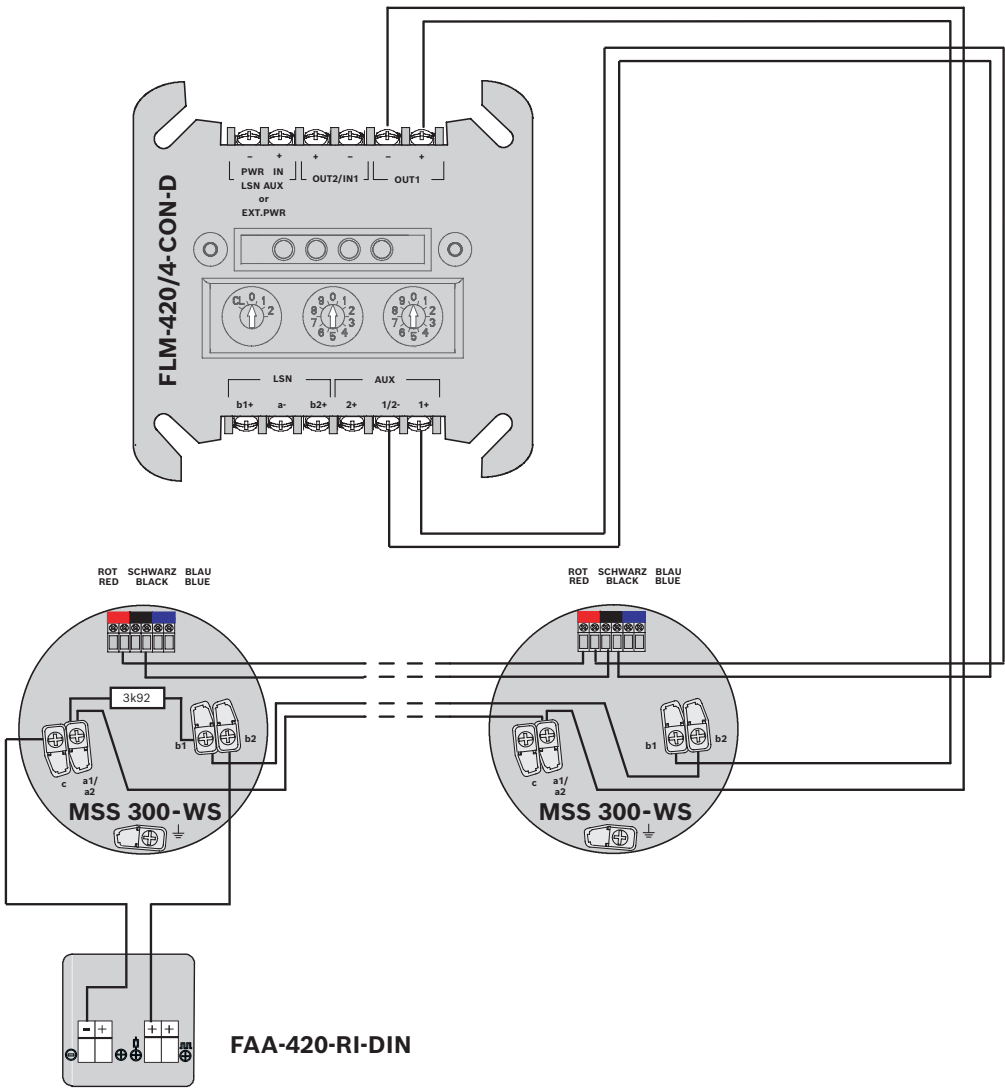


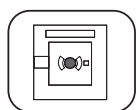


**DF 1192**

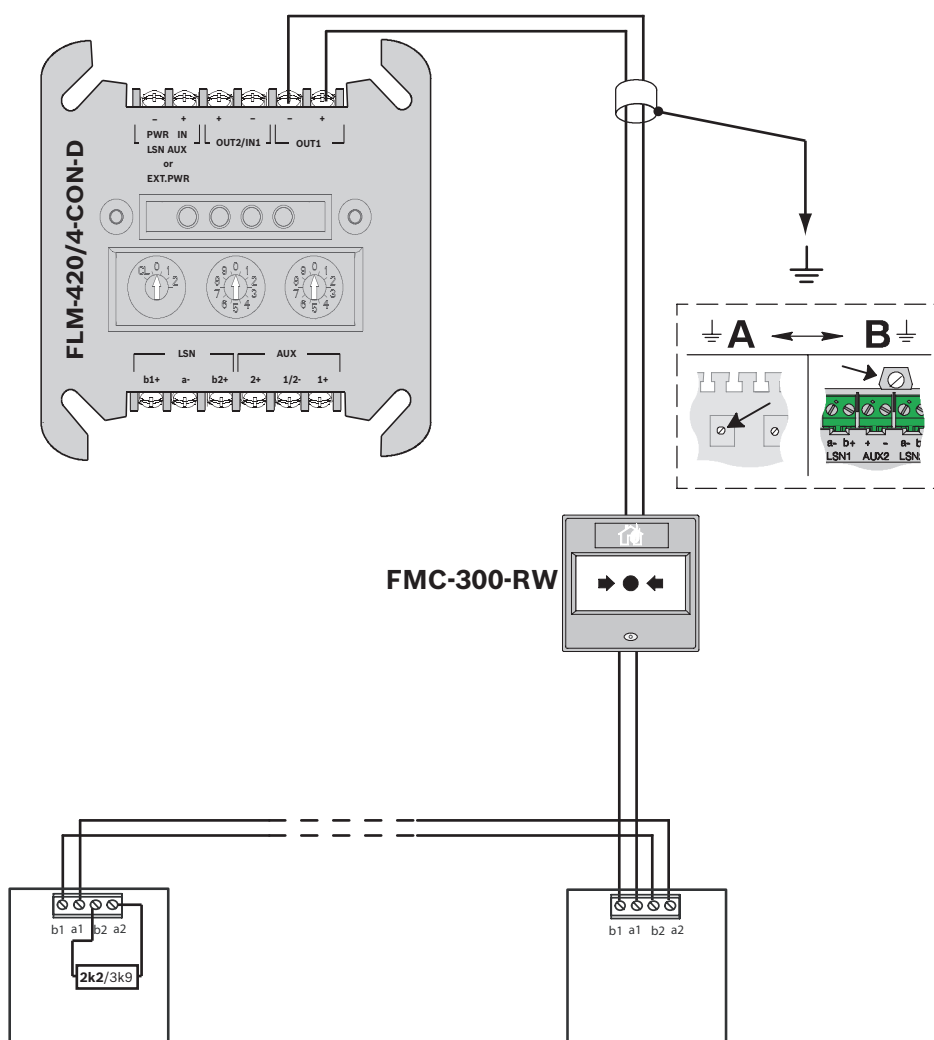
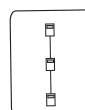


MSS 300-WS

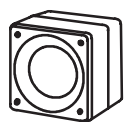




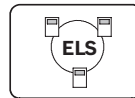
FMC-300-RW



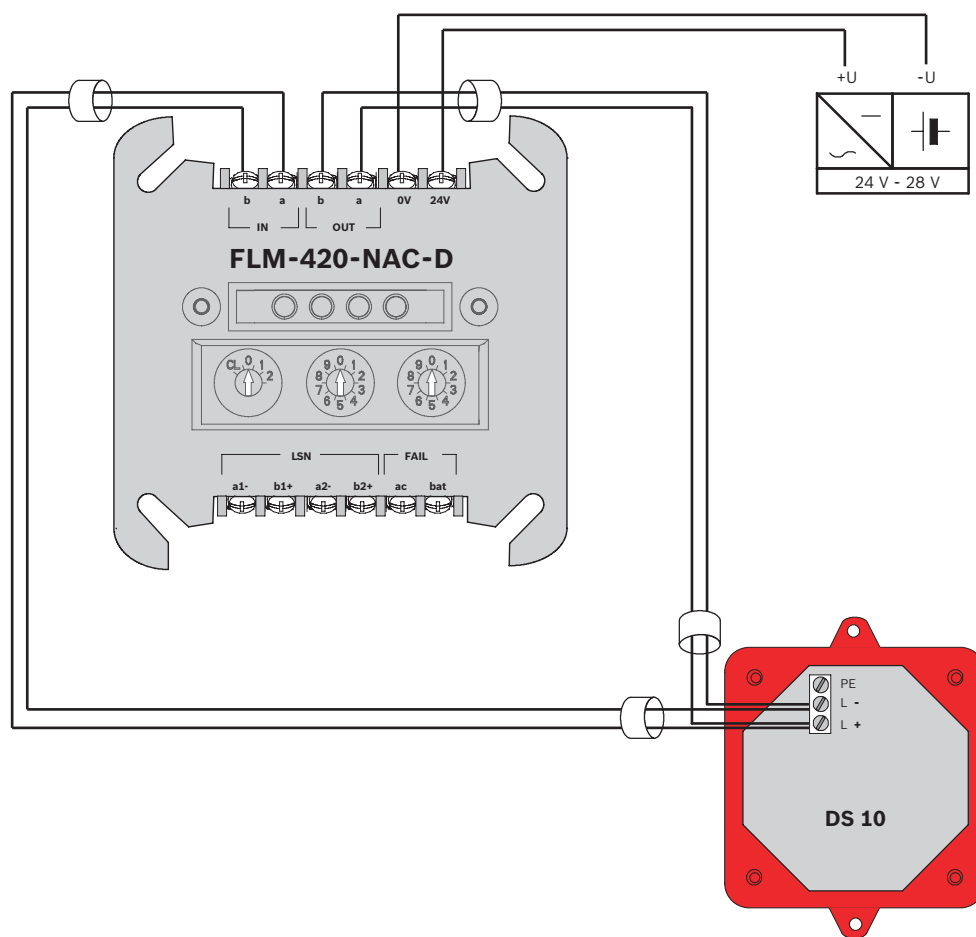
3.4.2 FLM-420-NAC-D/S

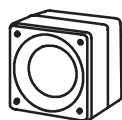
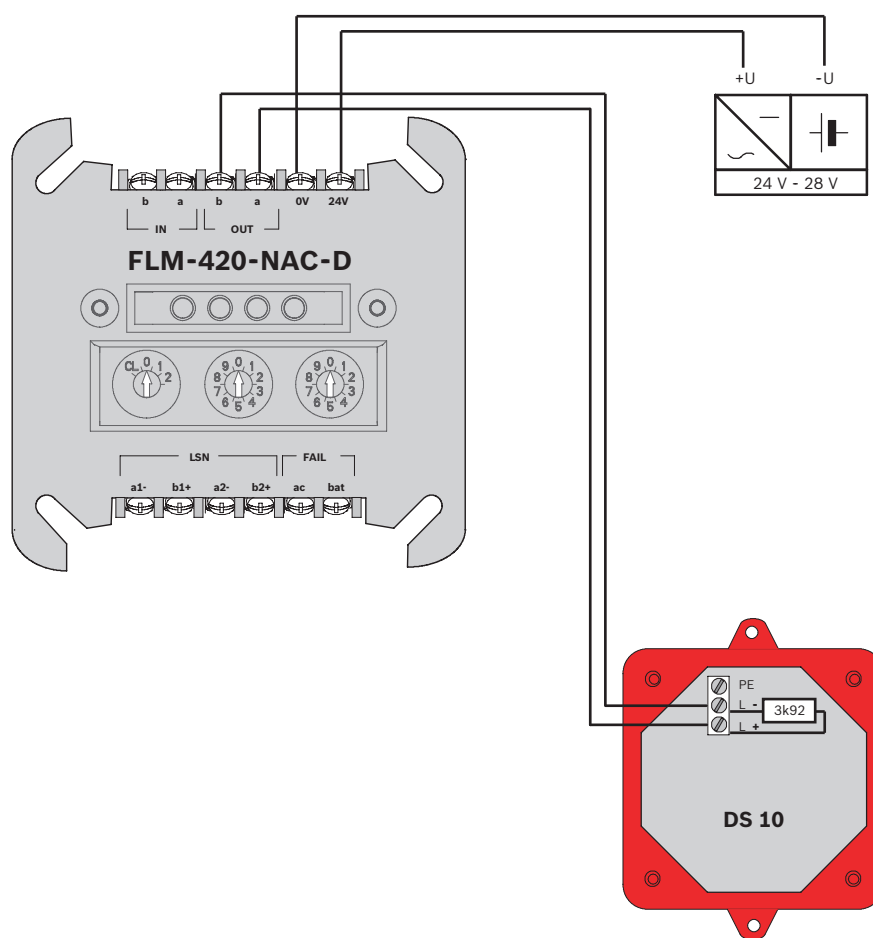
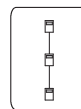


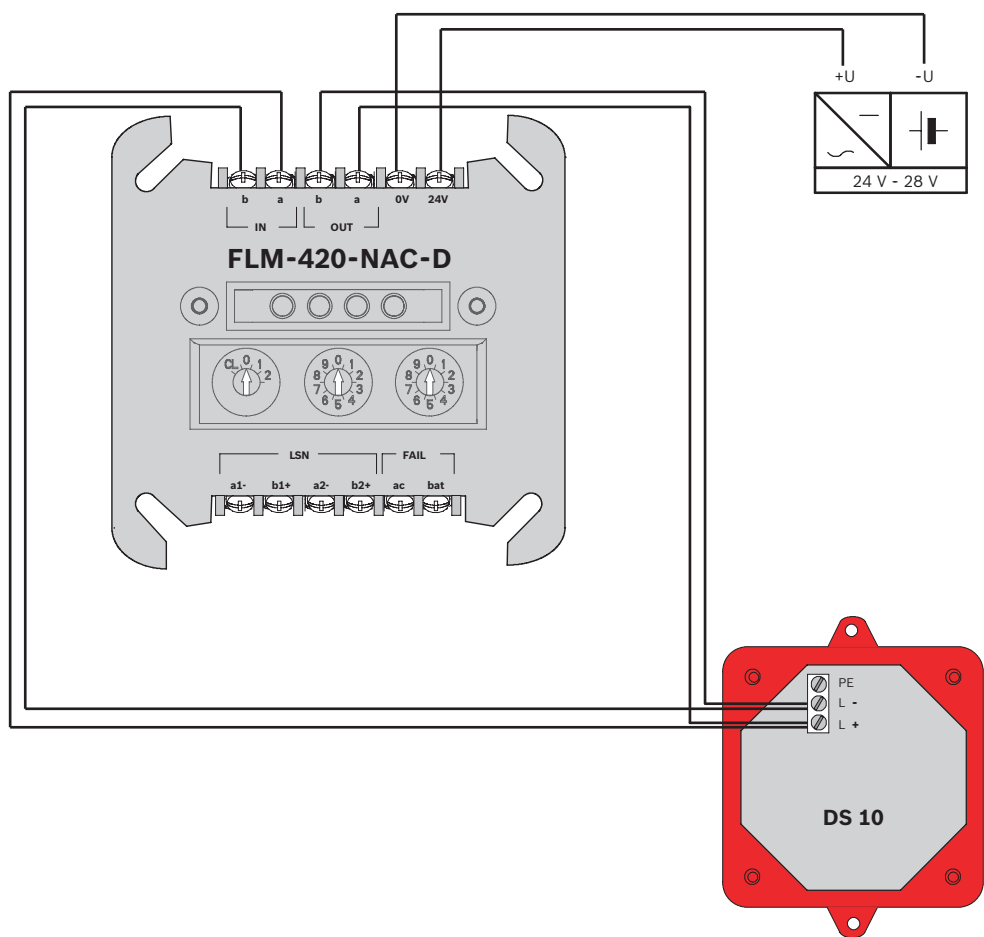
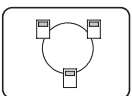
DS 10

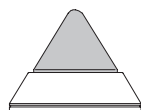
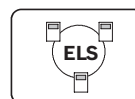
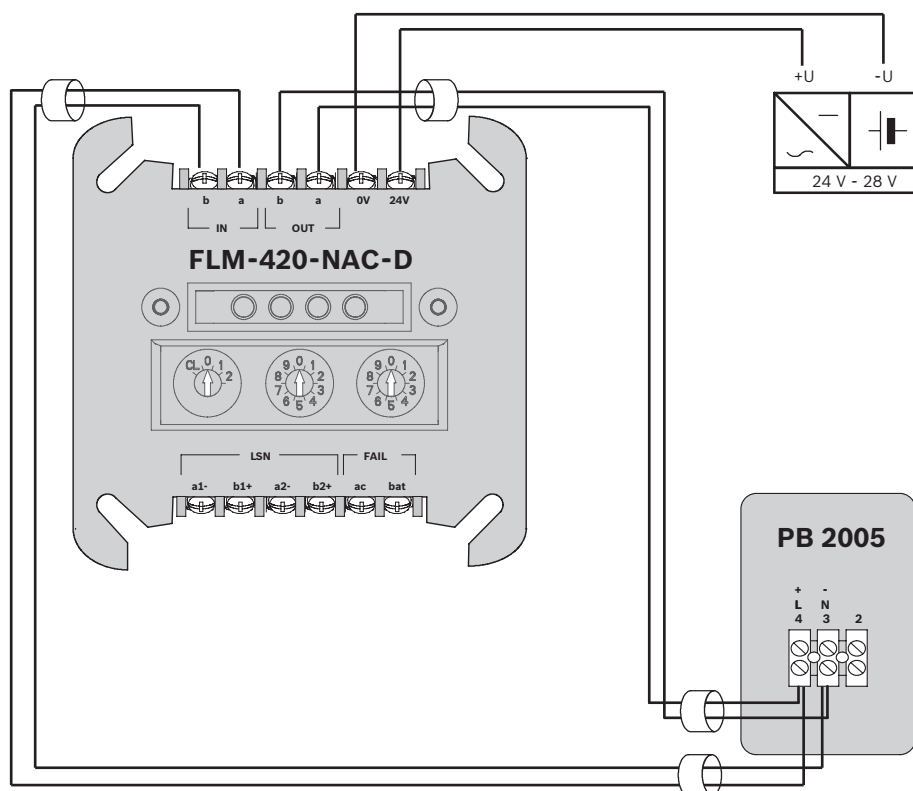


VdS 2489



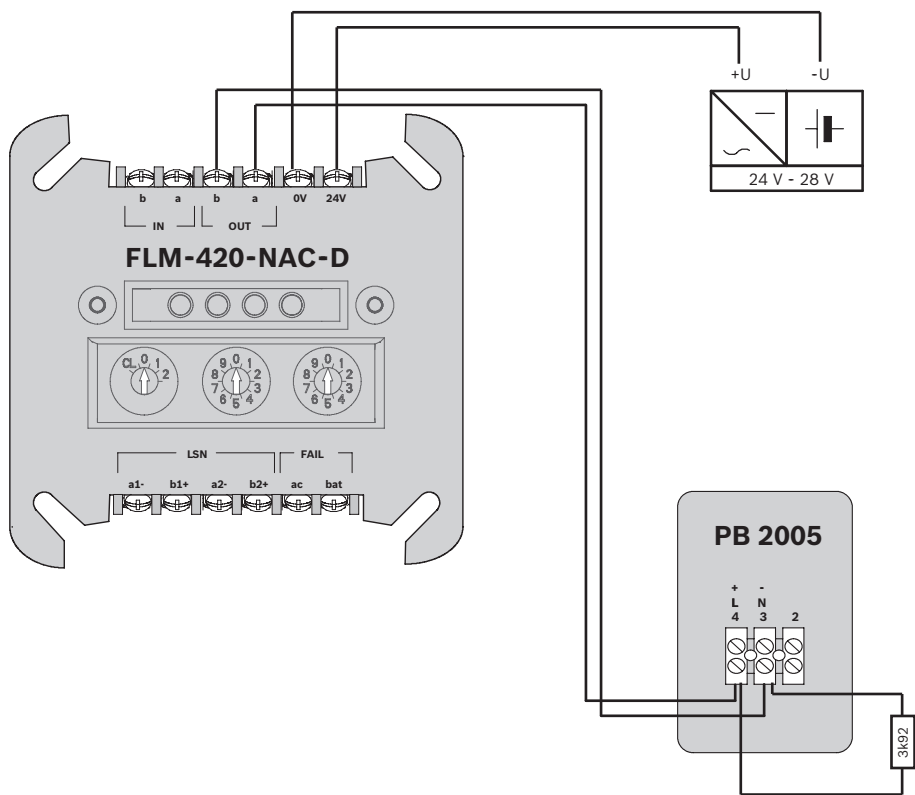
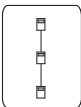
**DS 10**

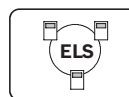
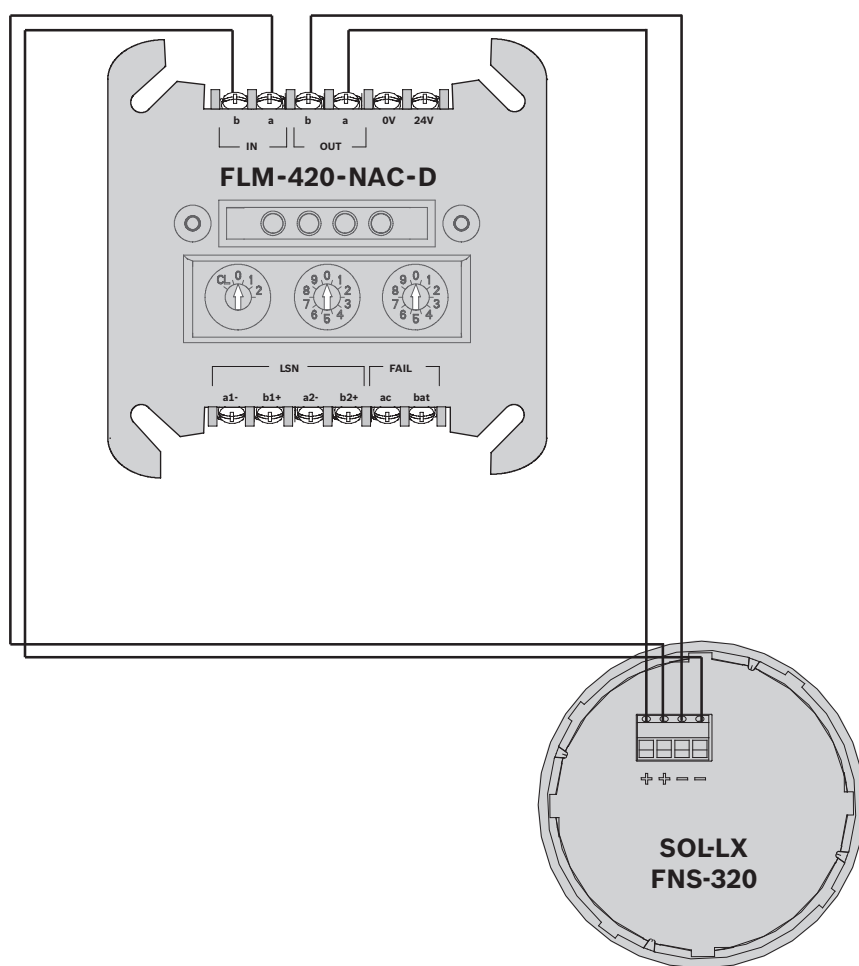


**PB 2005****VdS 2489**



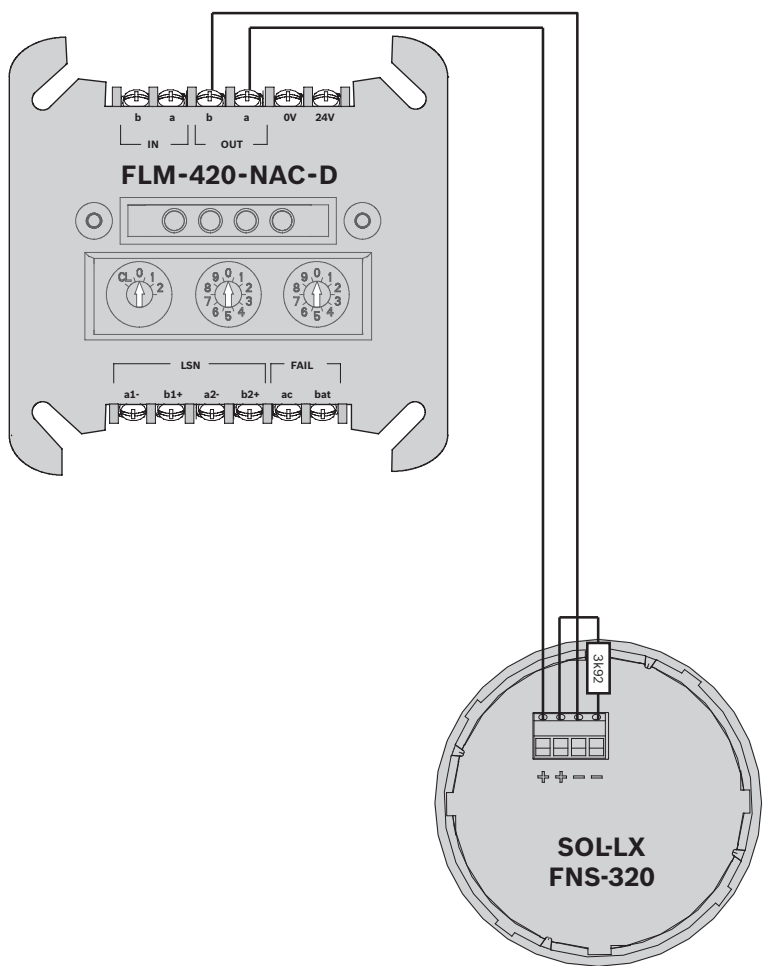
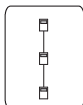
PB 2005



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

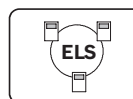


**SOL-LX
FNS-320**

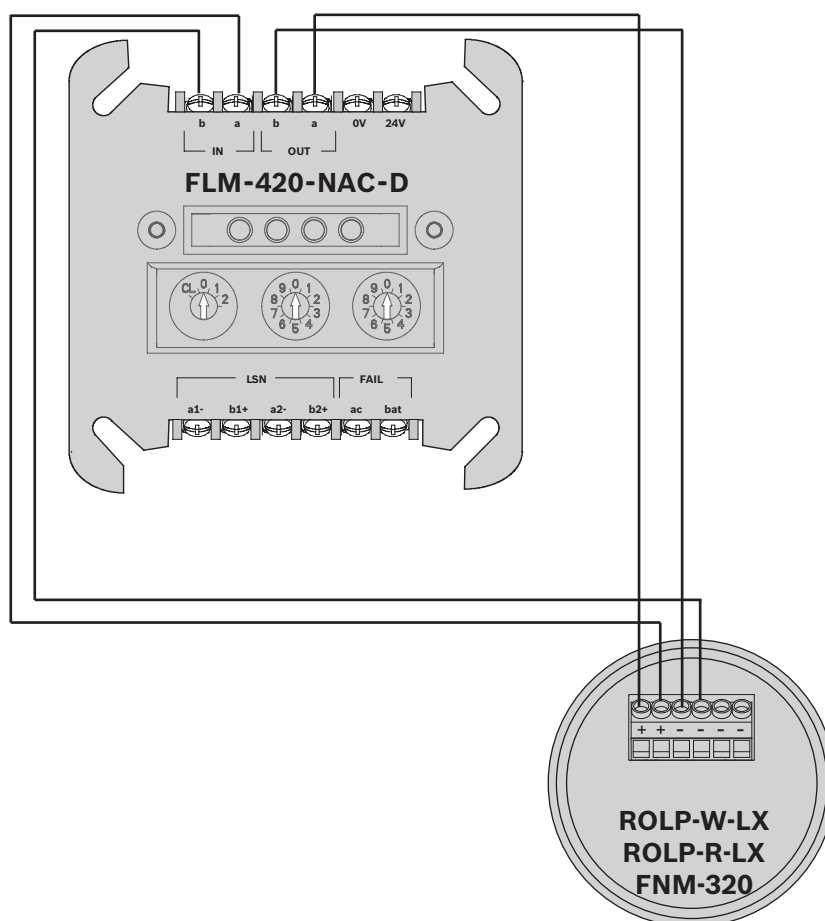




ROLP-W-LX
ROLP-R-LX
FNM-320

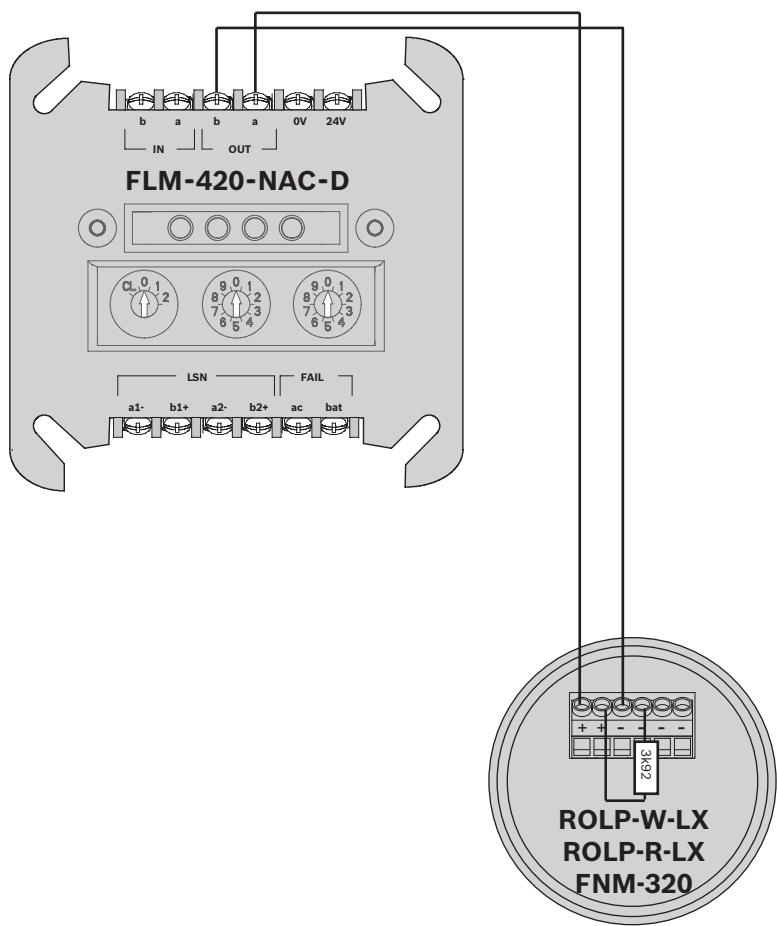
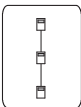


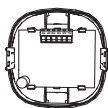
VdS 2489



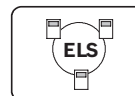


ROLP-W-LX
ROLP-R-LX
FNM-320

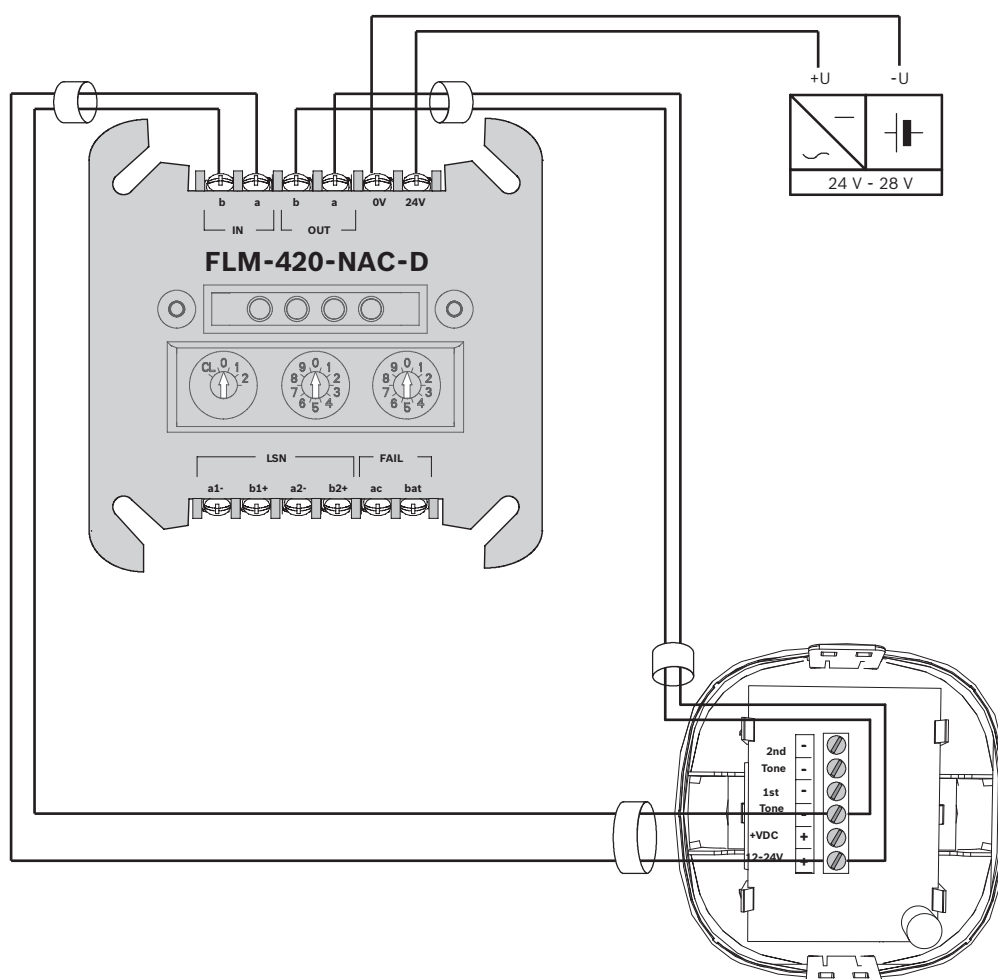


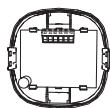


FNM-320V-A / -B

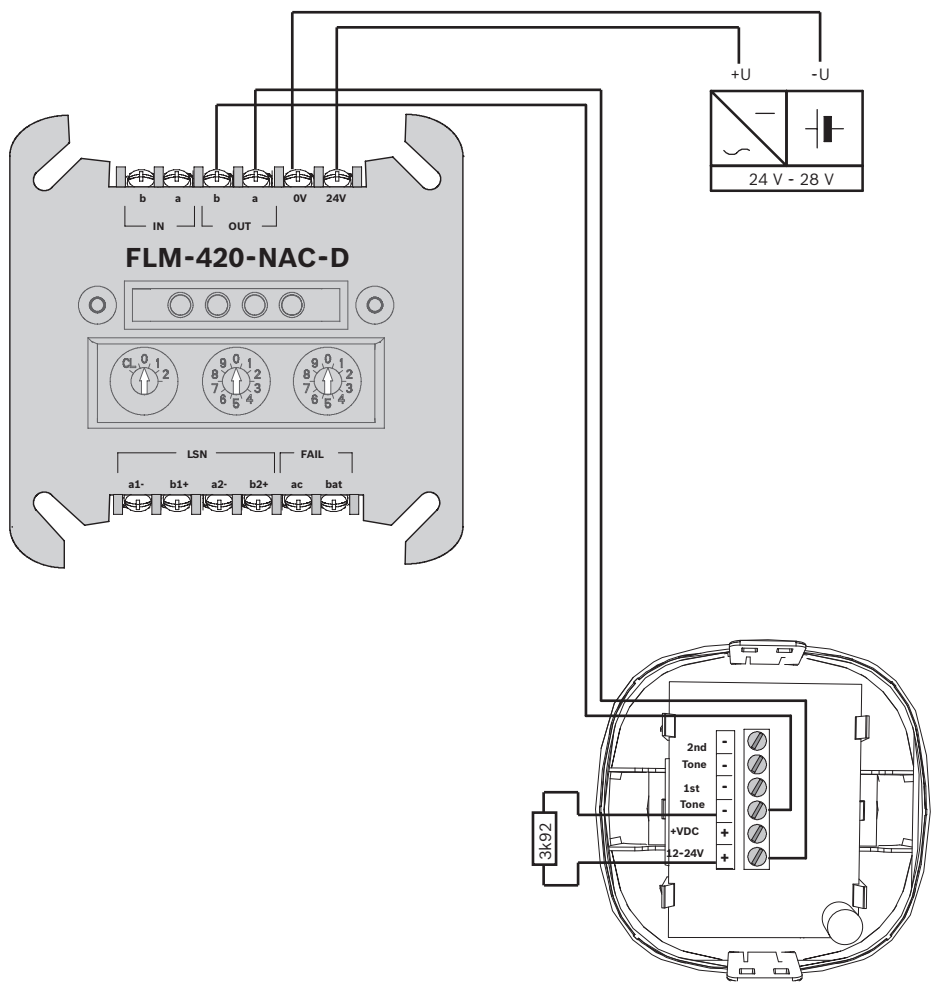
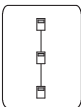


VdS 2489



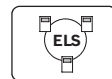


FNM-320V-A / -B

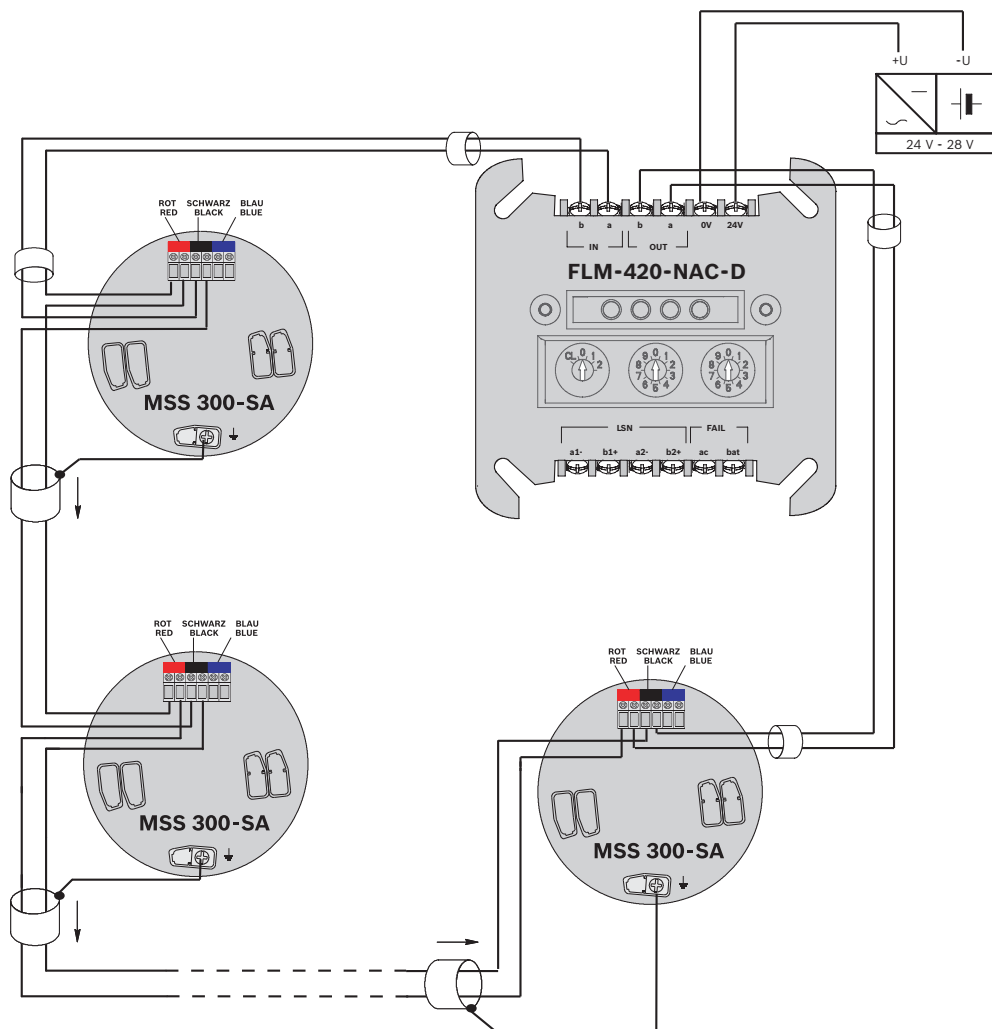




MSS 300-SA

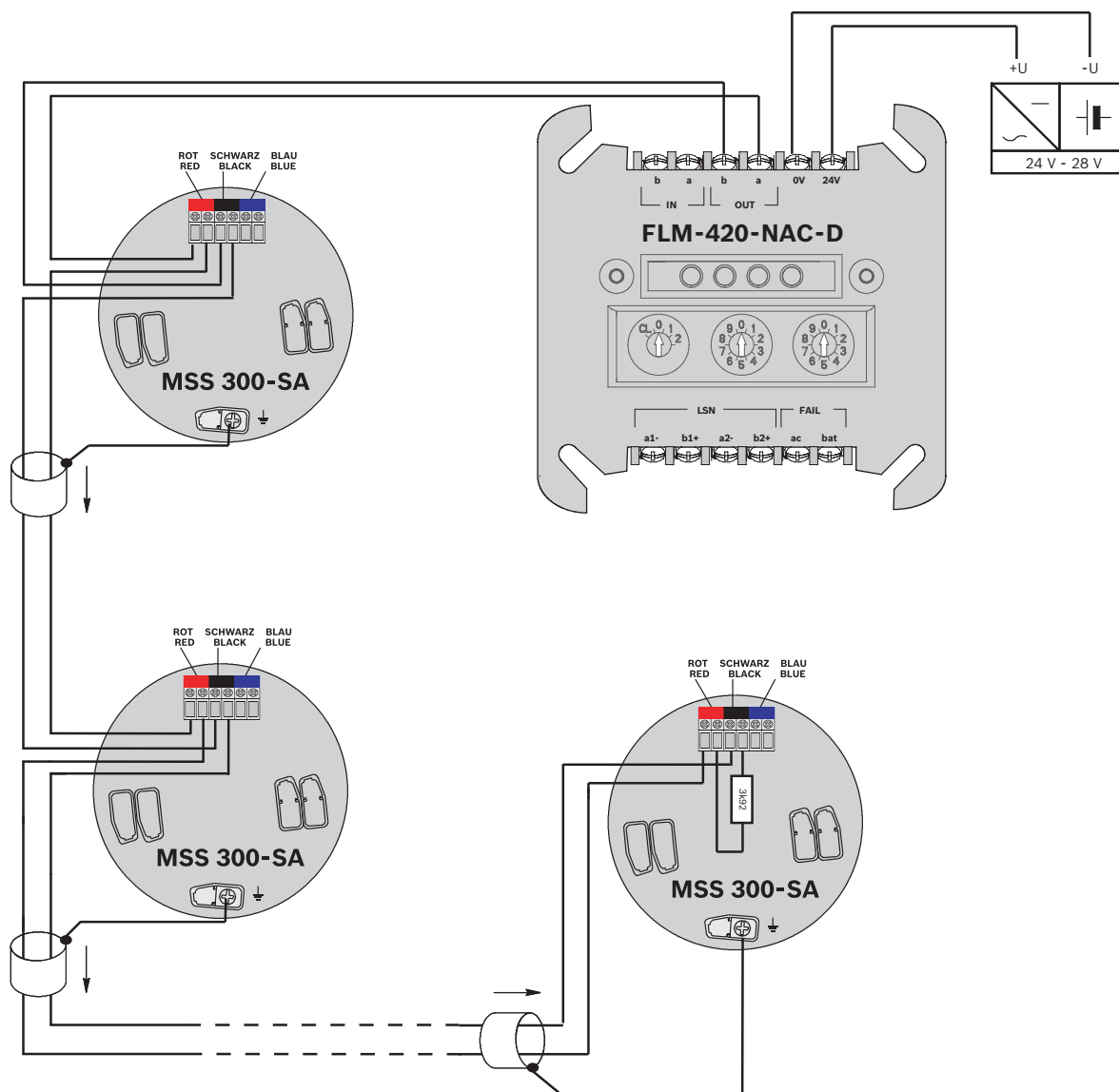
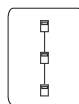


VdS 2489





MSS 300-SA

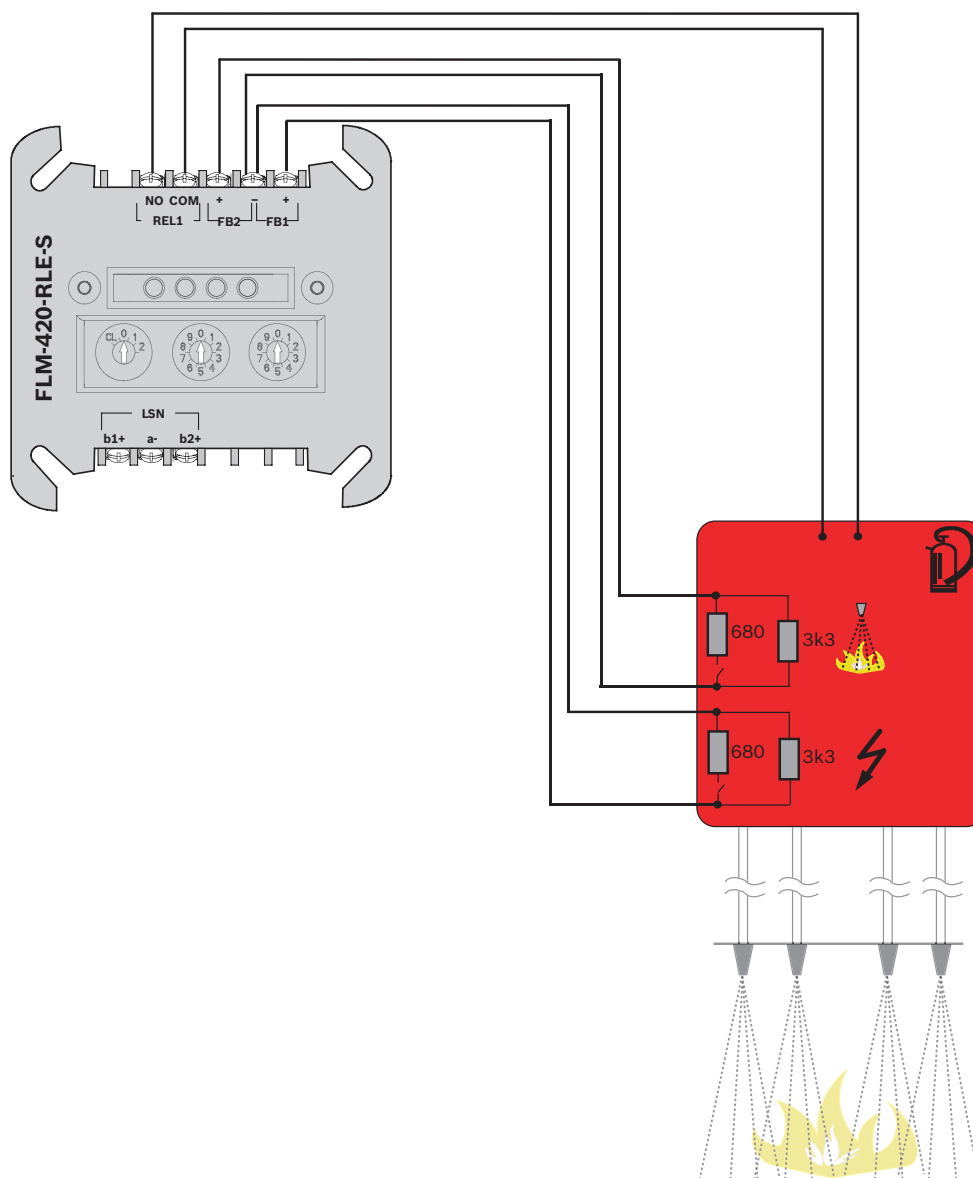


3.4.3

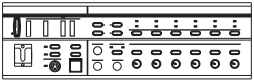
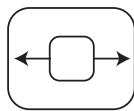
FLM-420-RLE-S



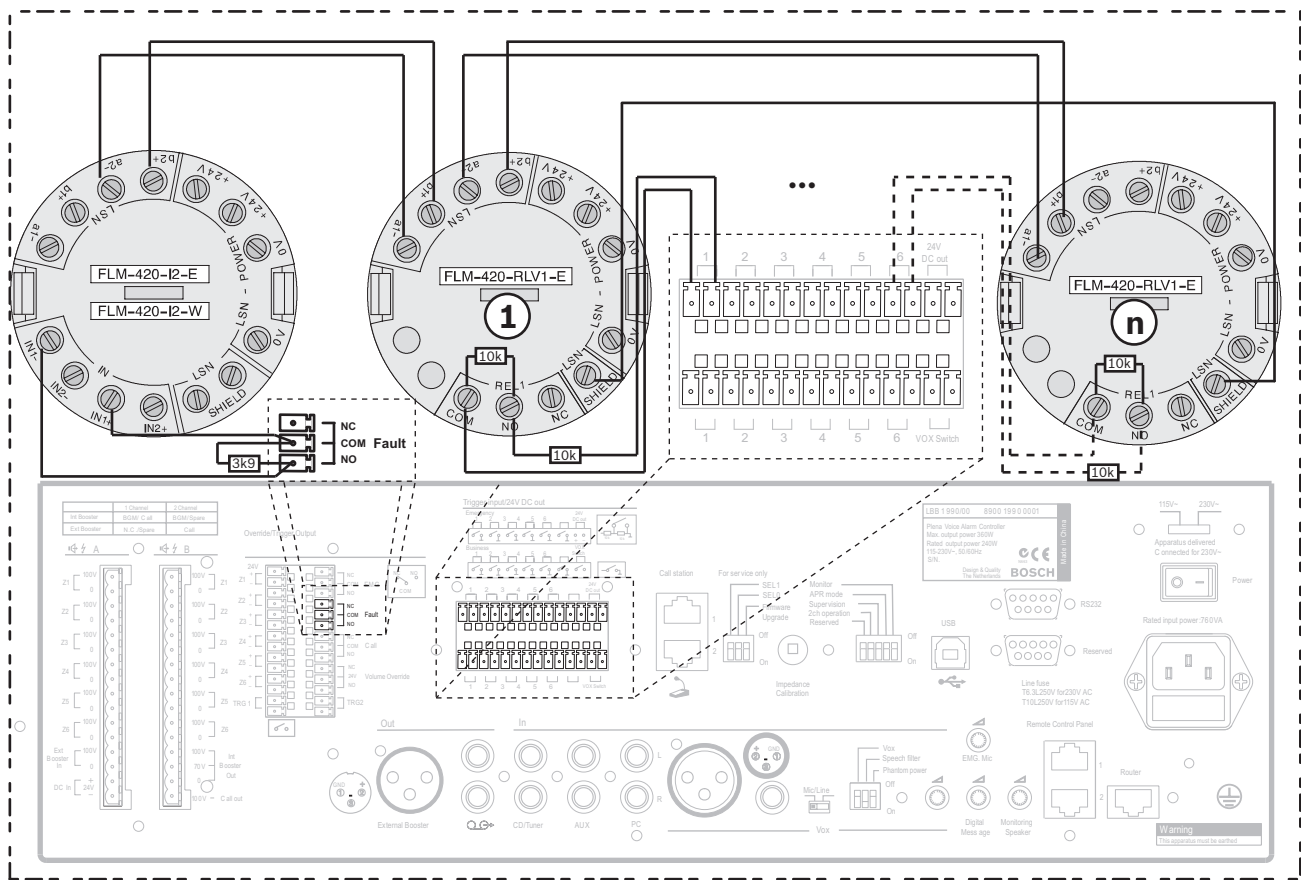
VdS 2496:2005-09



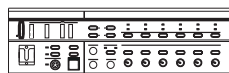
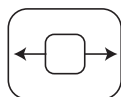
3.4.4 FLM-420-RLV1-E



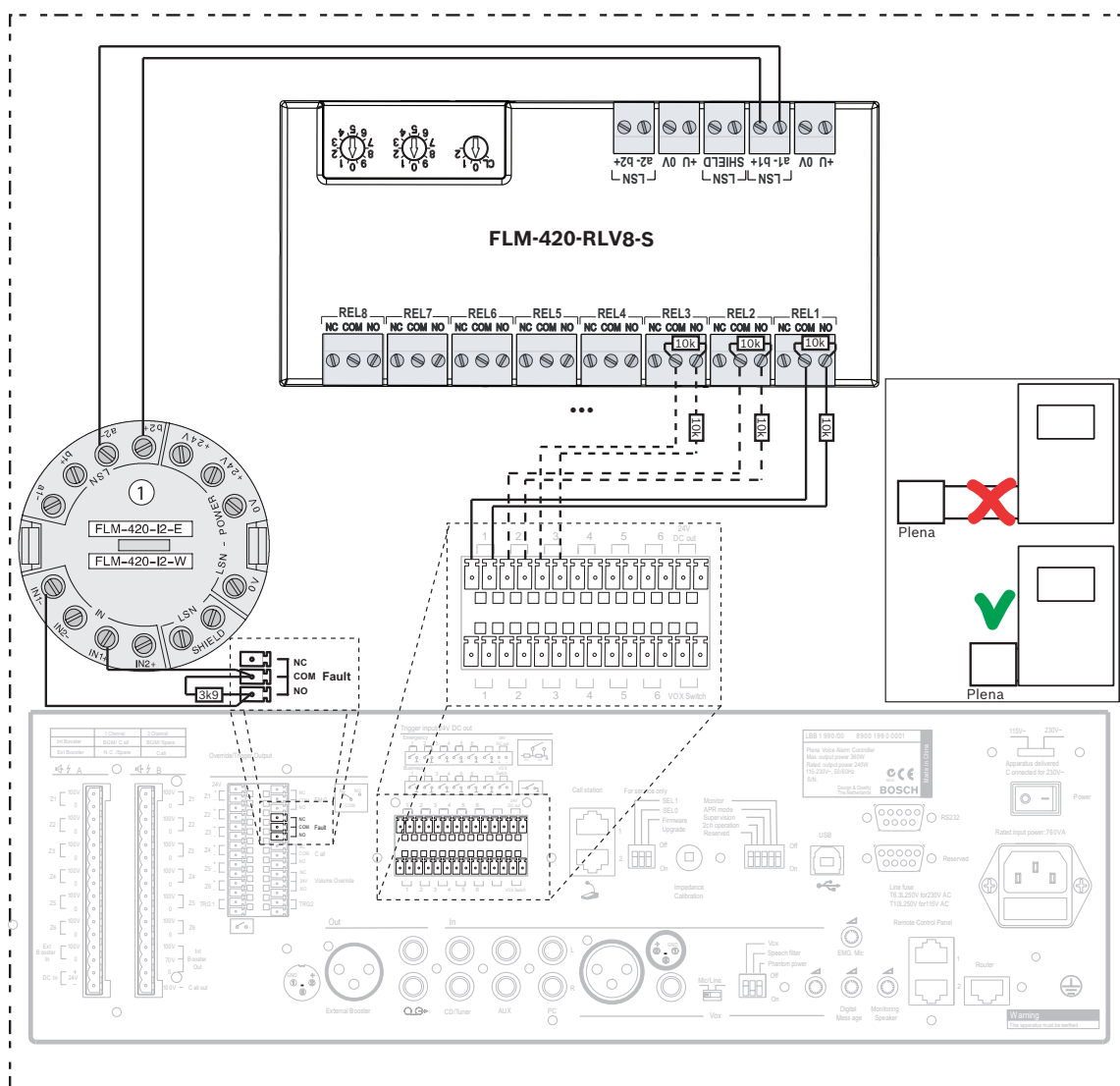
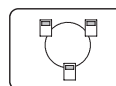
Plena



3.4.5

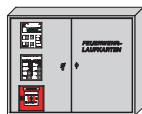
FLM-420-RLV8-S

Plena



3.4.6

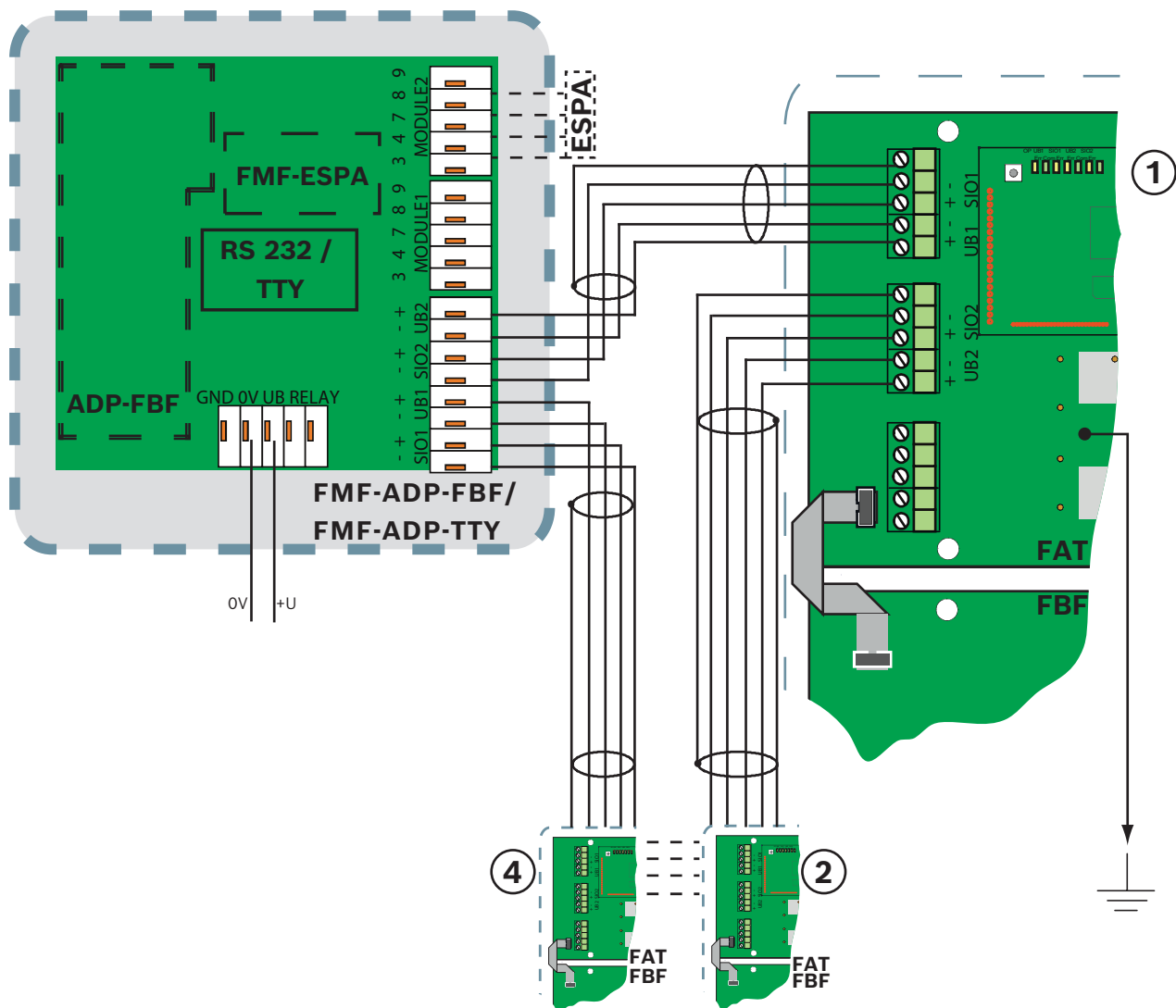
FMF-ADP-FBF/FMF-ADP-TTY



FAT4000 FBF4000 ADP4000

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

ELS VdS 2489

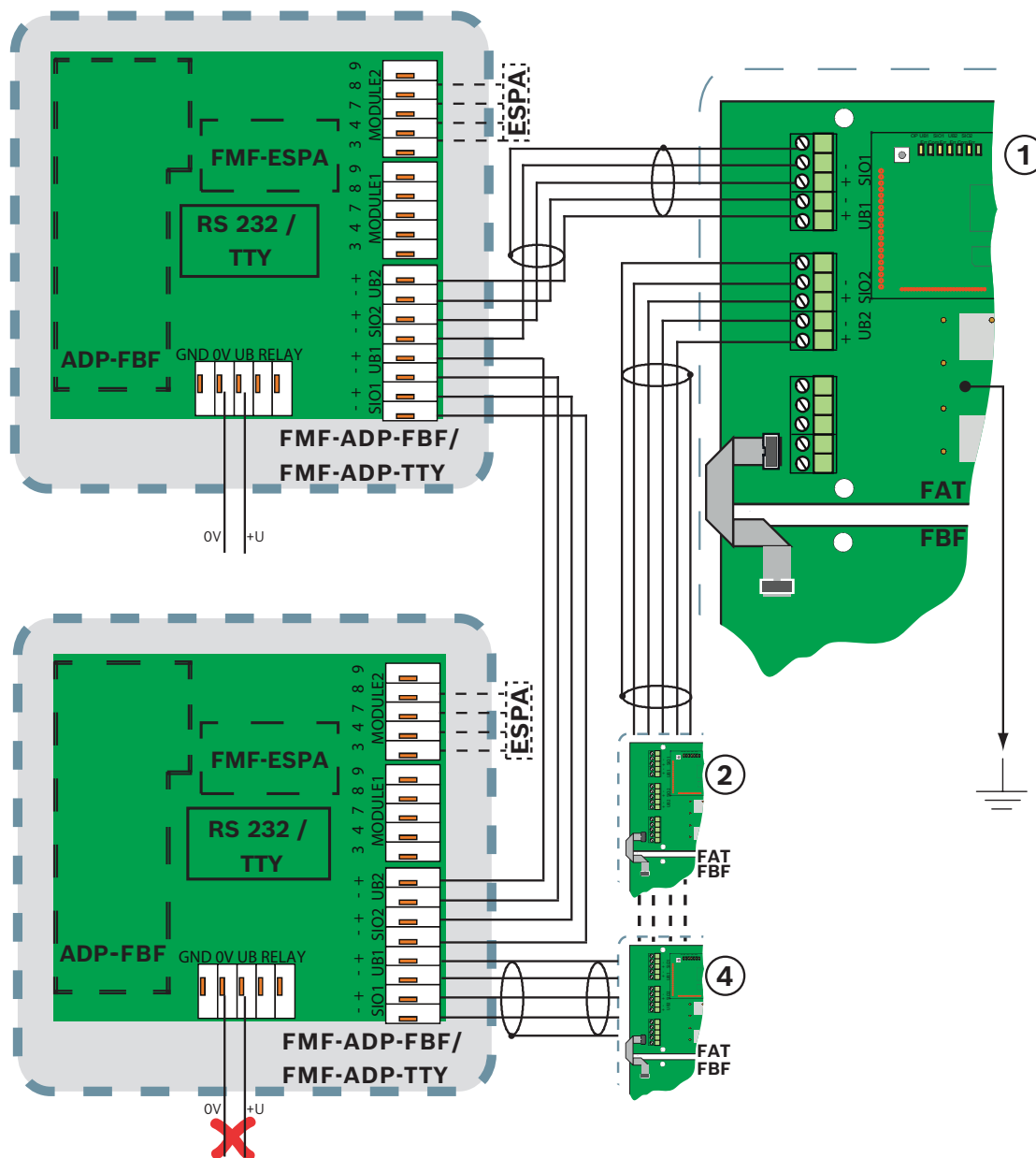




FAT4000 FBF4000 ADP4000

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

ELS VdS 2489



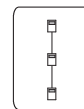
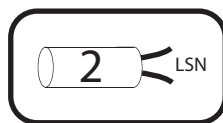
3.5

EOL



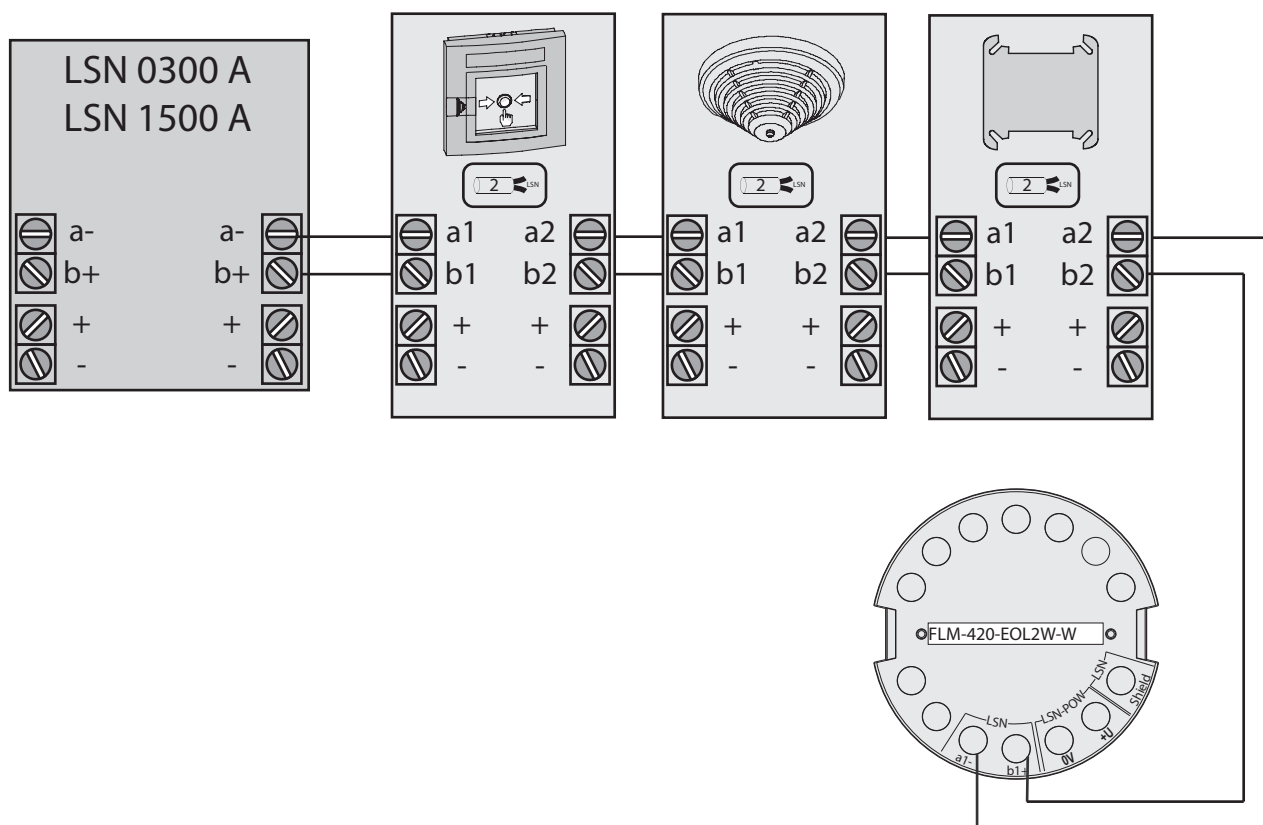
LSN 0300 A, Page 181

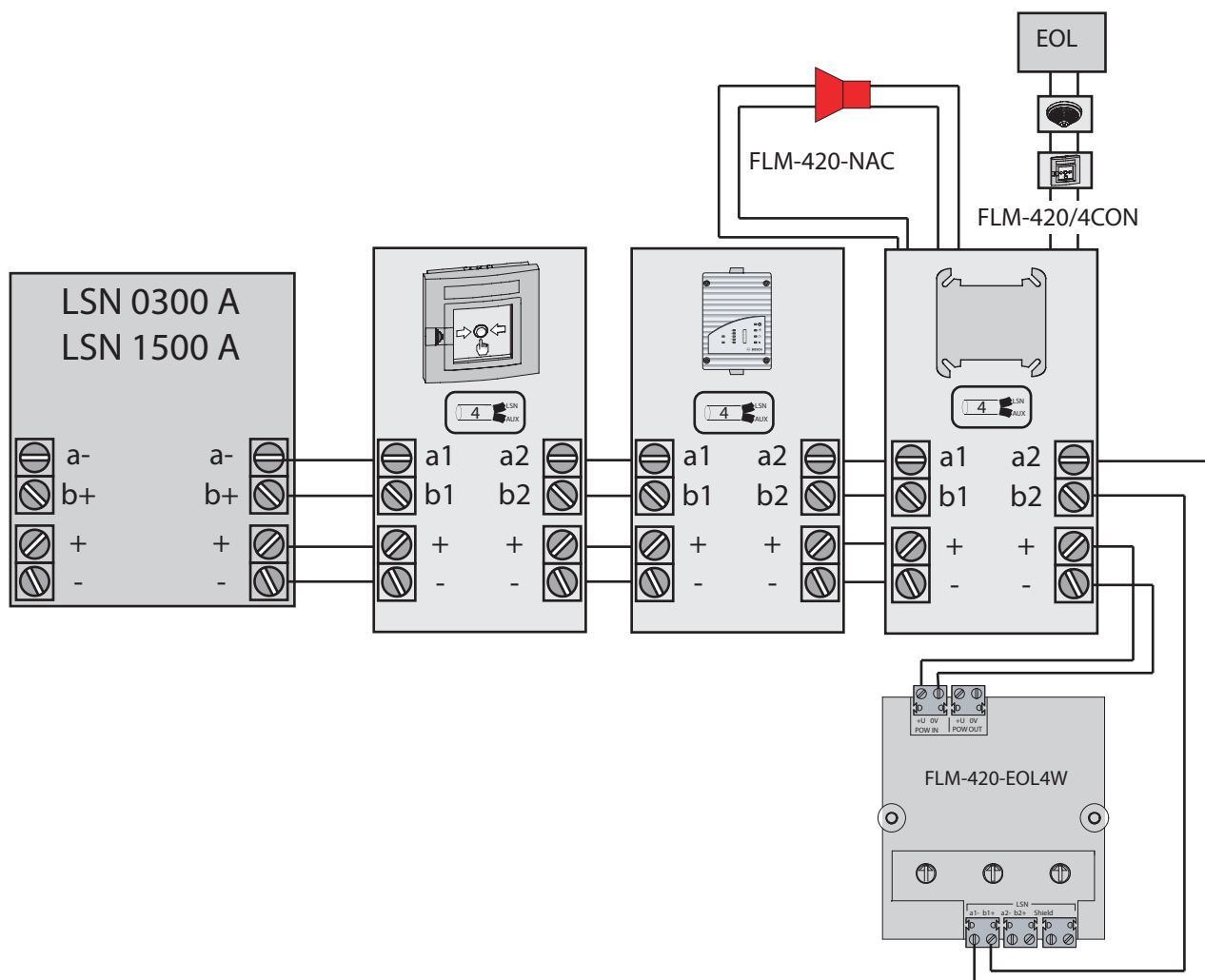
FLM-420/4-CON-S/D, Page 223

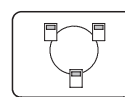
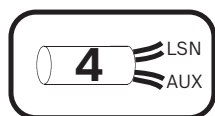
3.5.1**LSN 0300 A**

ELV

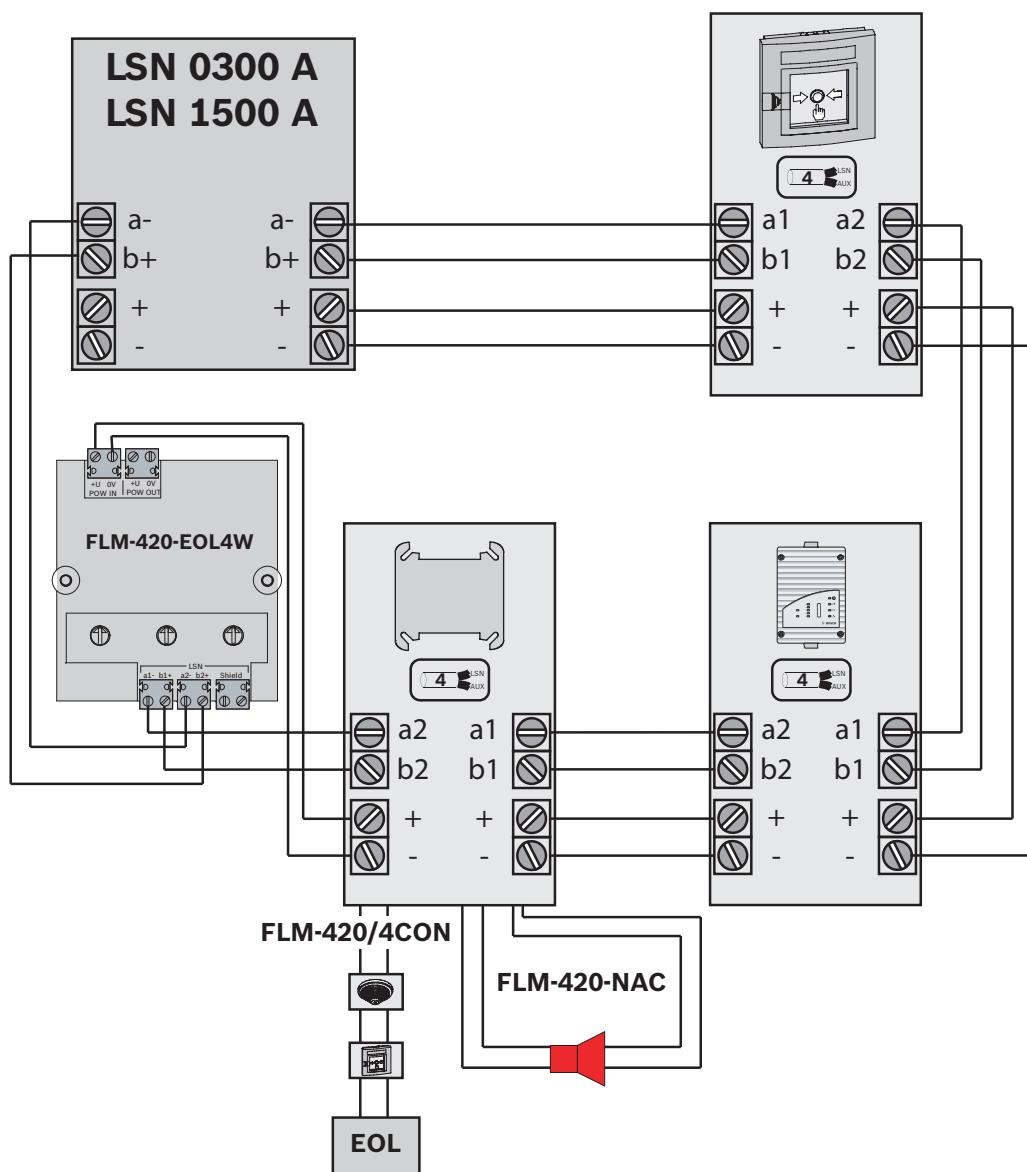
VdS 2489







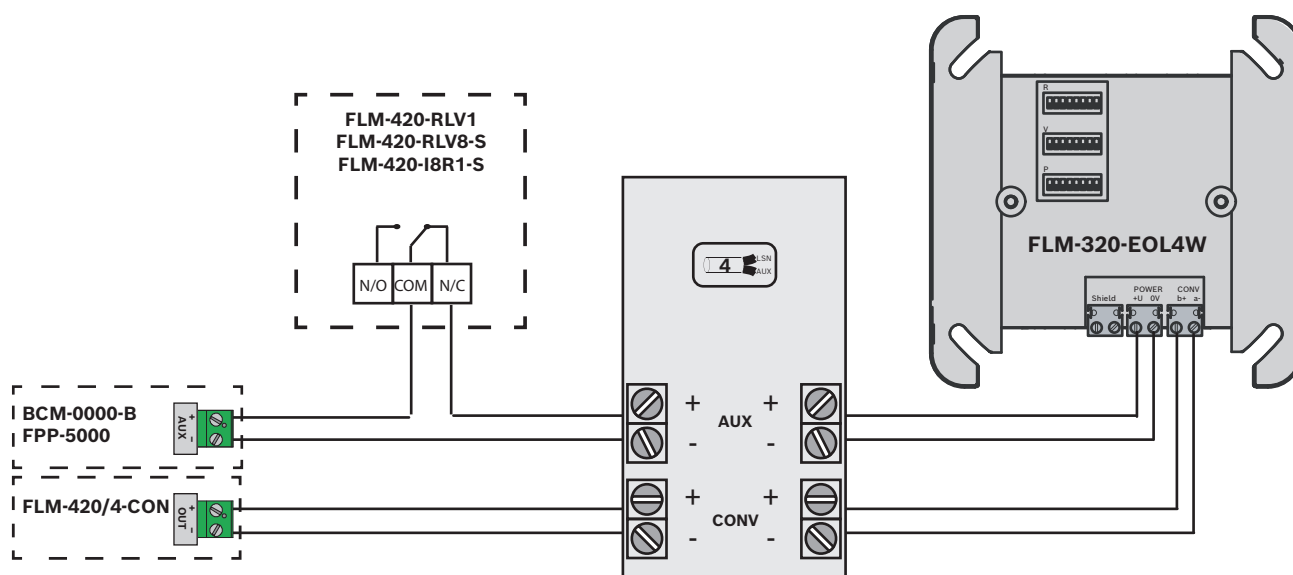
ELS VdS 2489

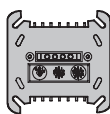
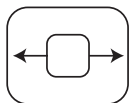




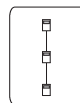
Reset action

ELS VdS 2489

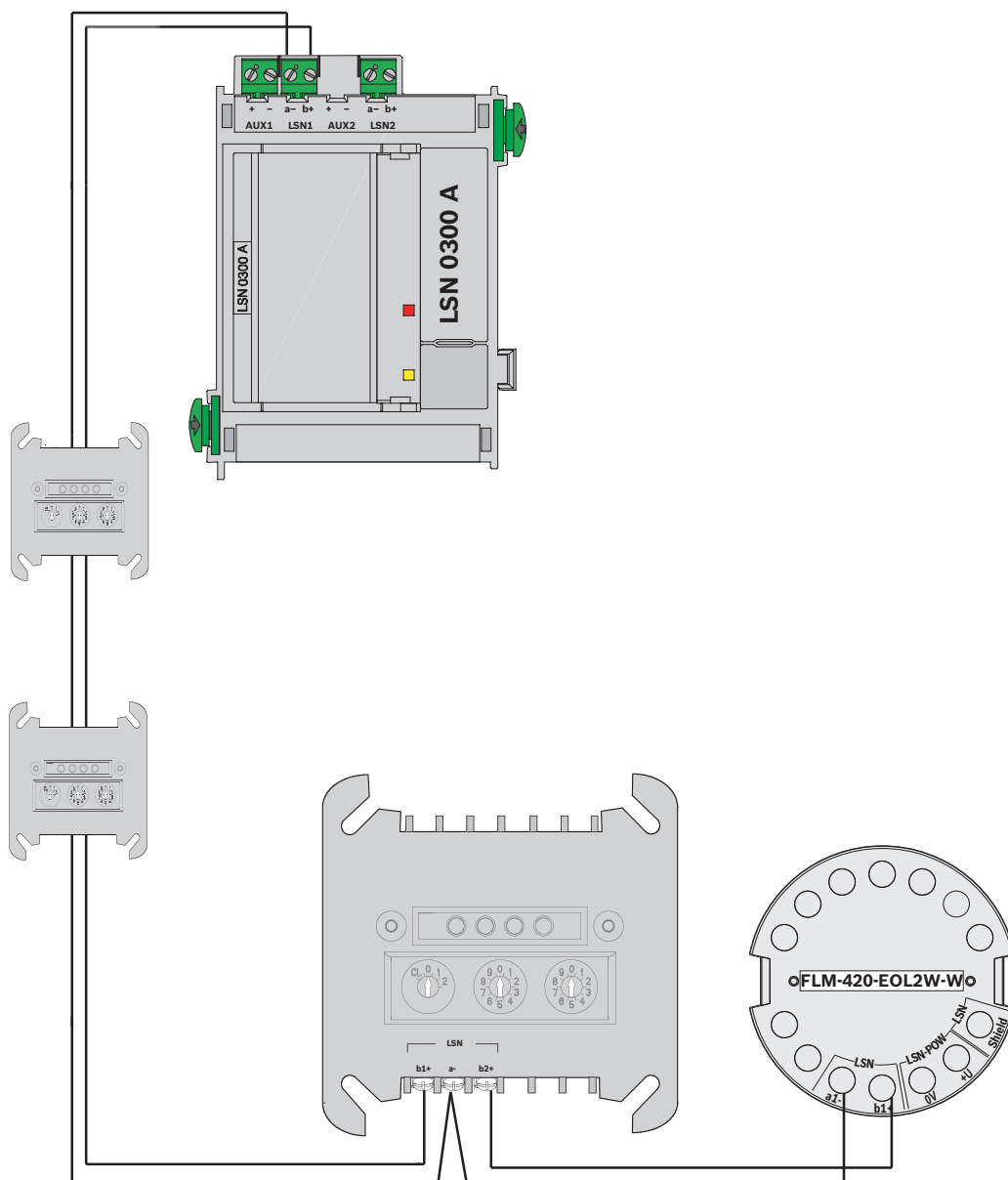


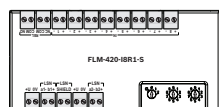
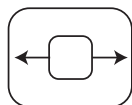
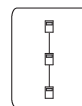
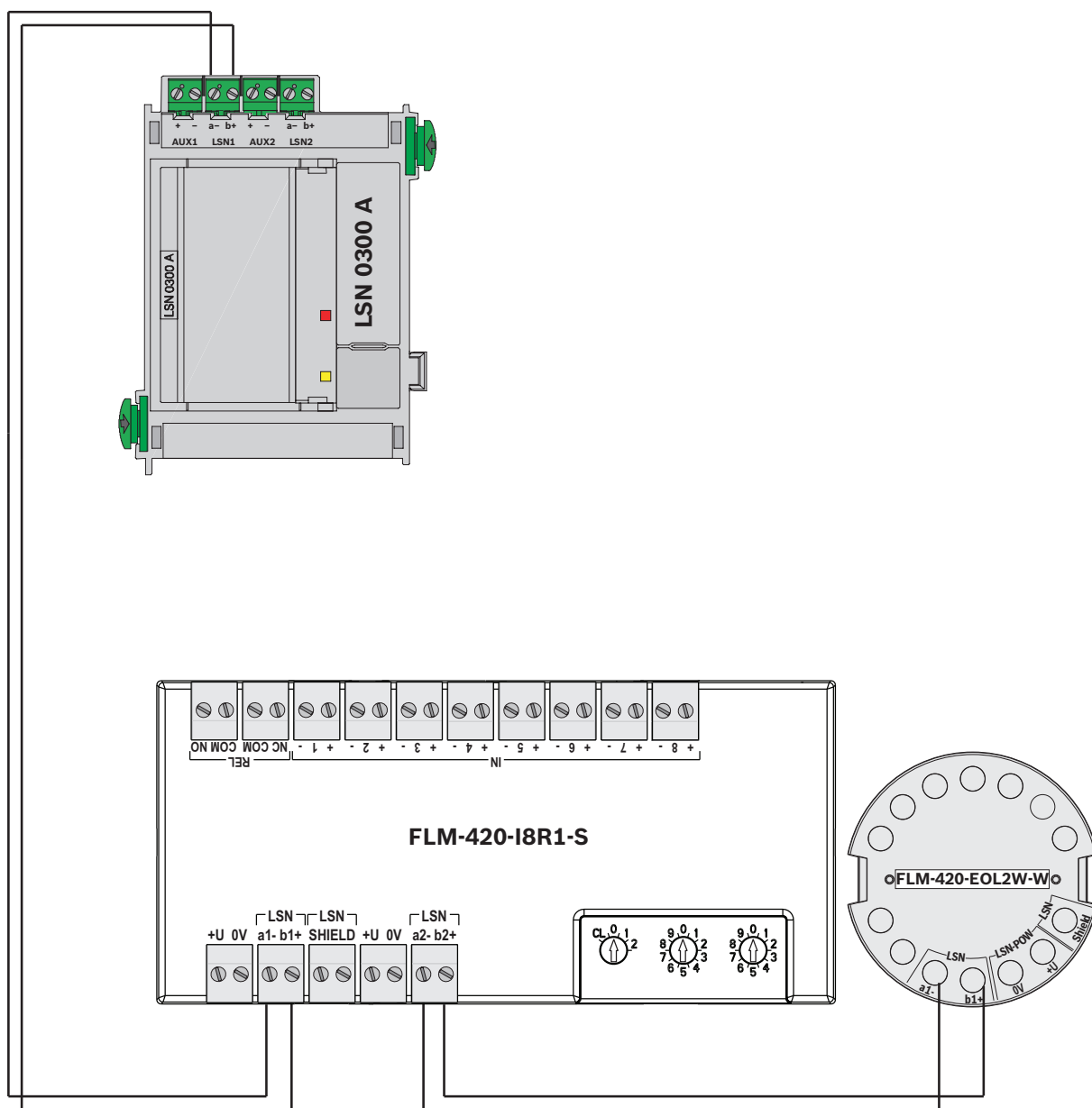


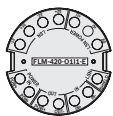
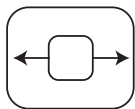
FLM-420-I2-D
FLM-420-O1I1-D
FLM-420-RHV-D/S
FLM-420-RLV1-D



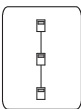
ELS VdS 2489



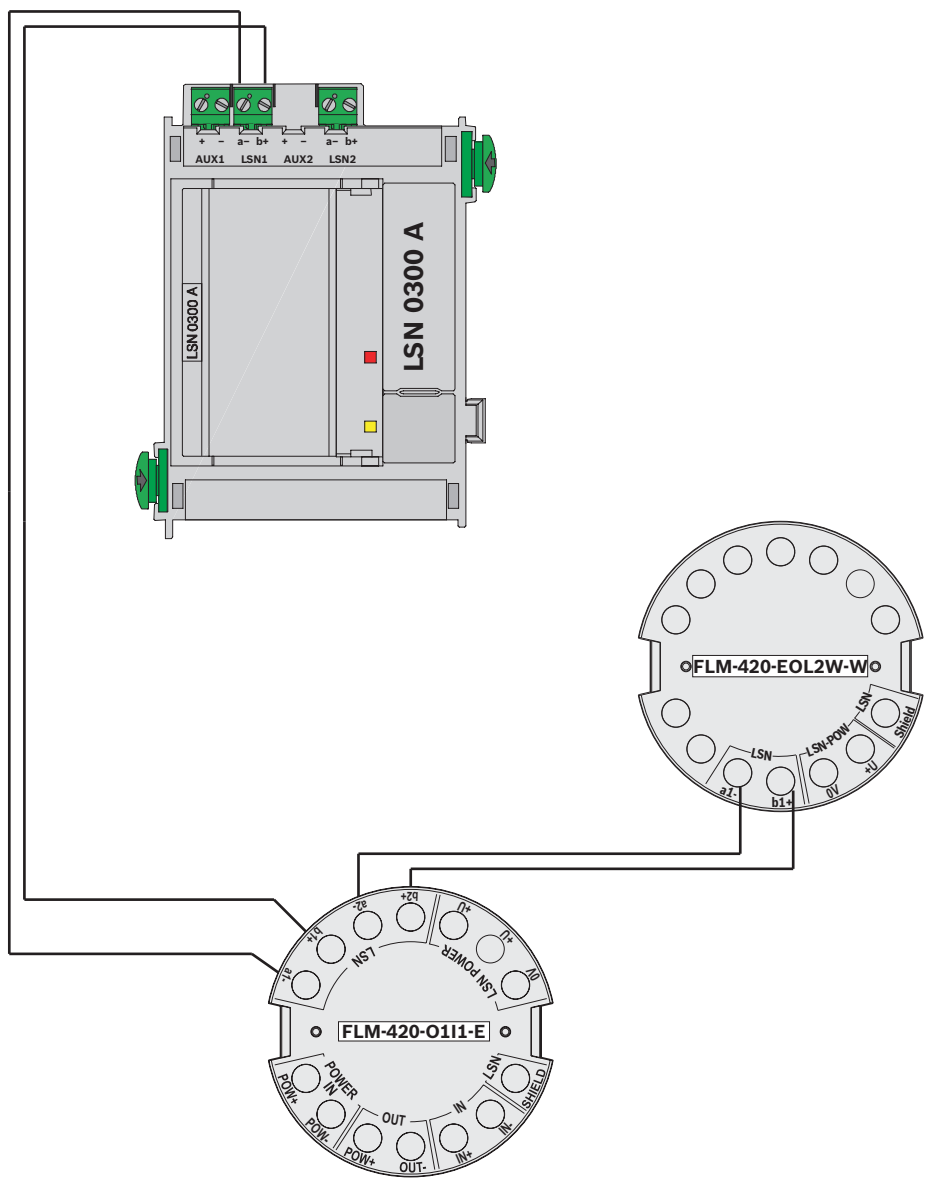
**FLM-420-I8R1-S****ELS VdS 2489**

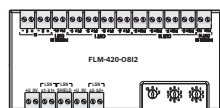
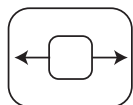


FLM-420-O111-E

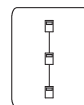


ELS VdS 2489

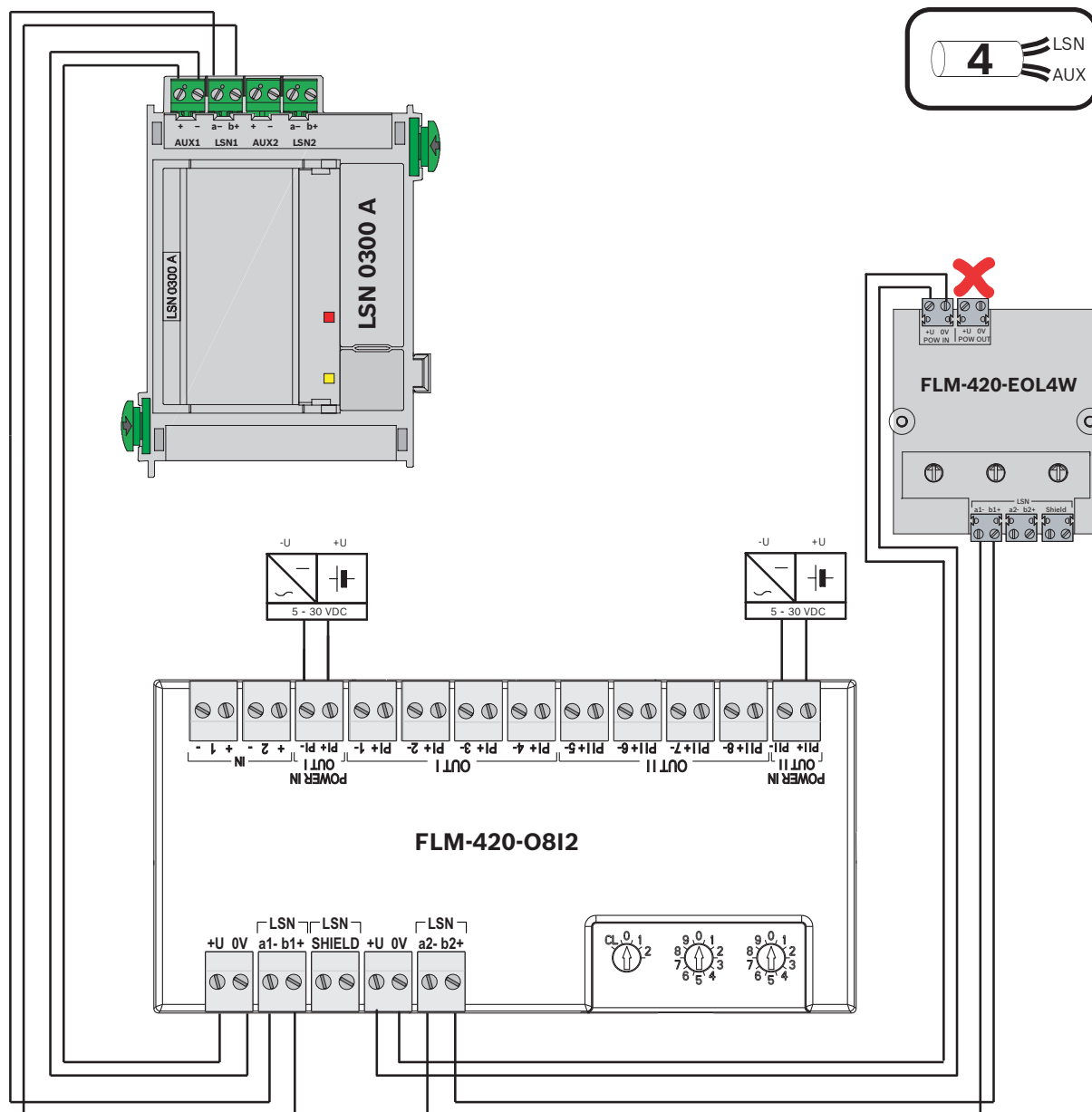


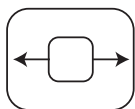


FLM-420-08I2-S

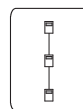


ELS VdS 2489

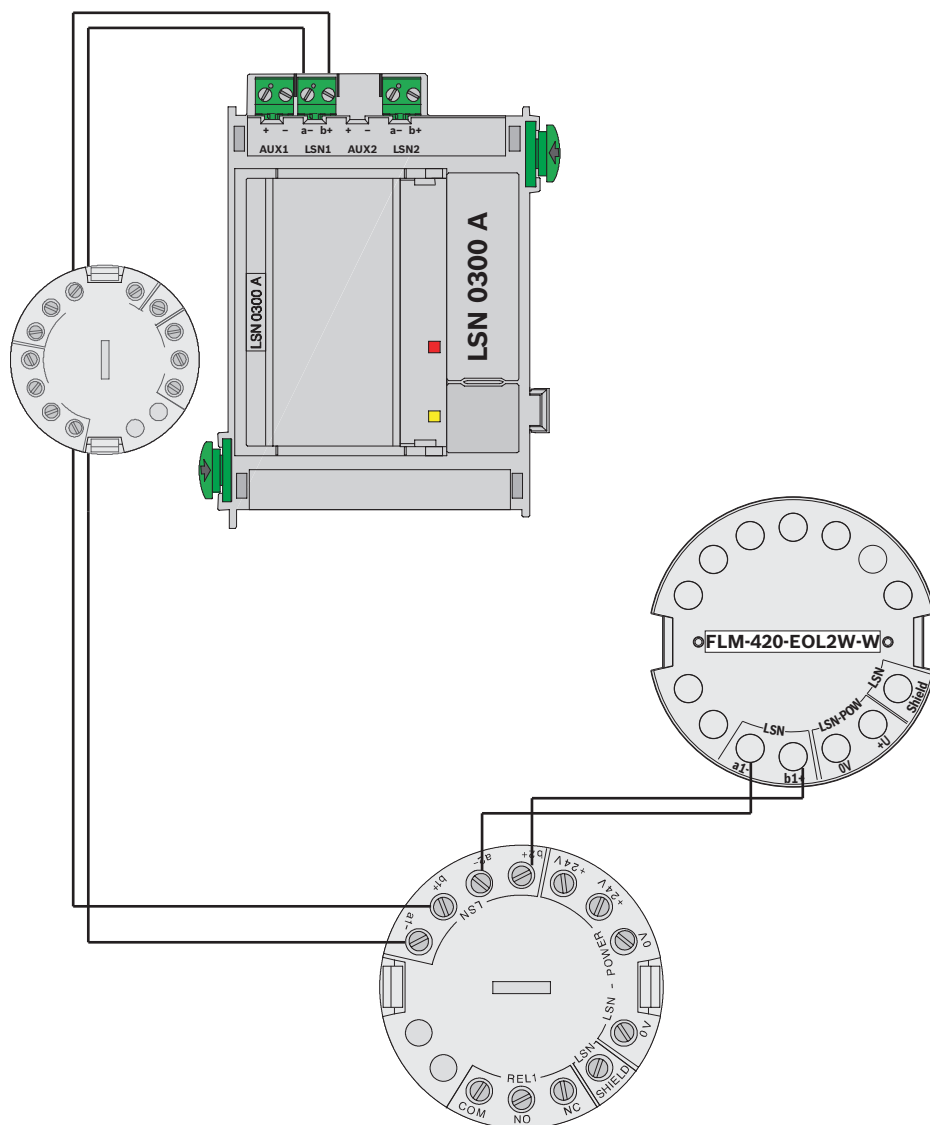


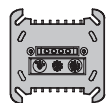
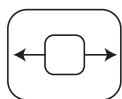
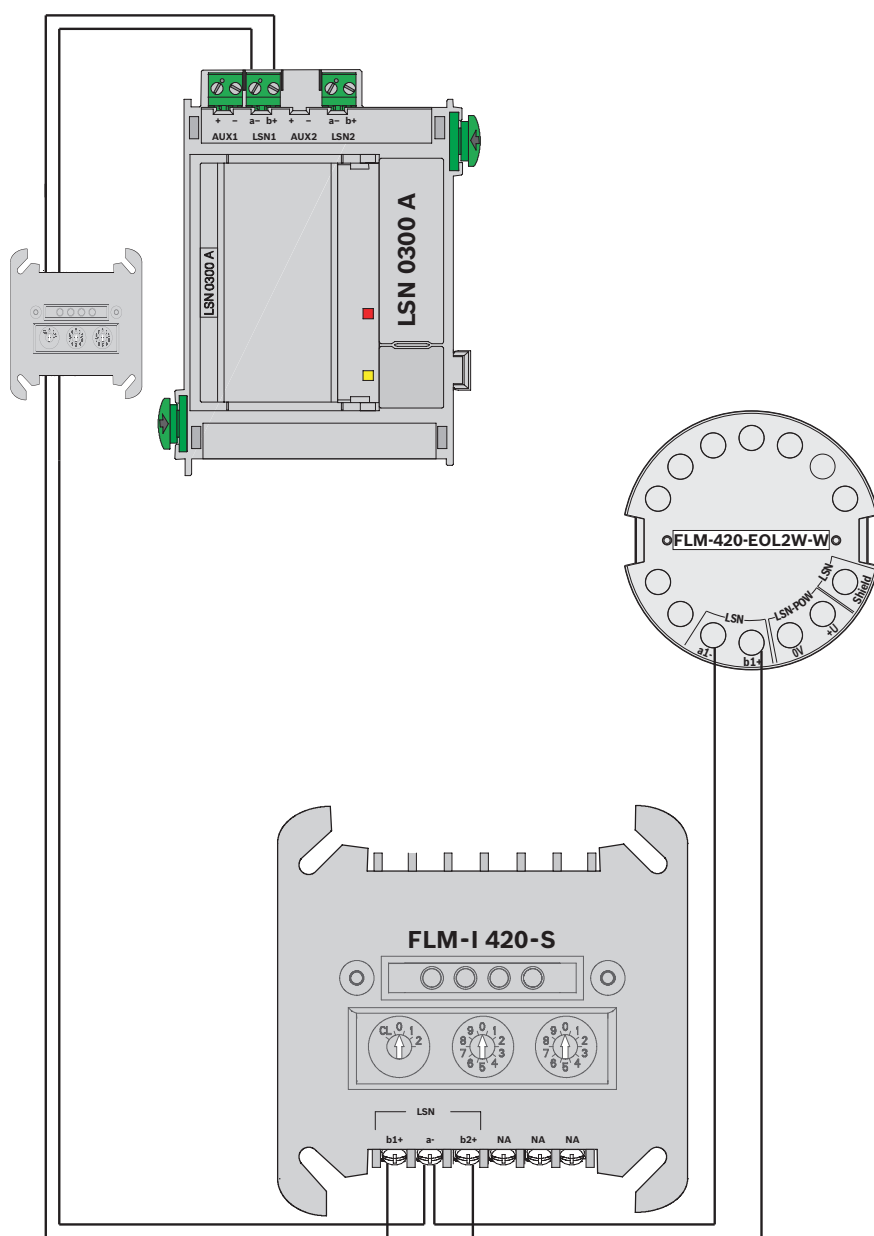


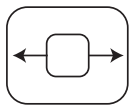
FLM-420-I2-E/-W
FLM-420-RLV1-E



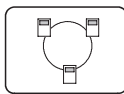
ELS VdS 2489



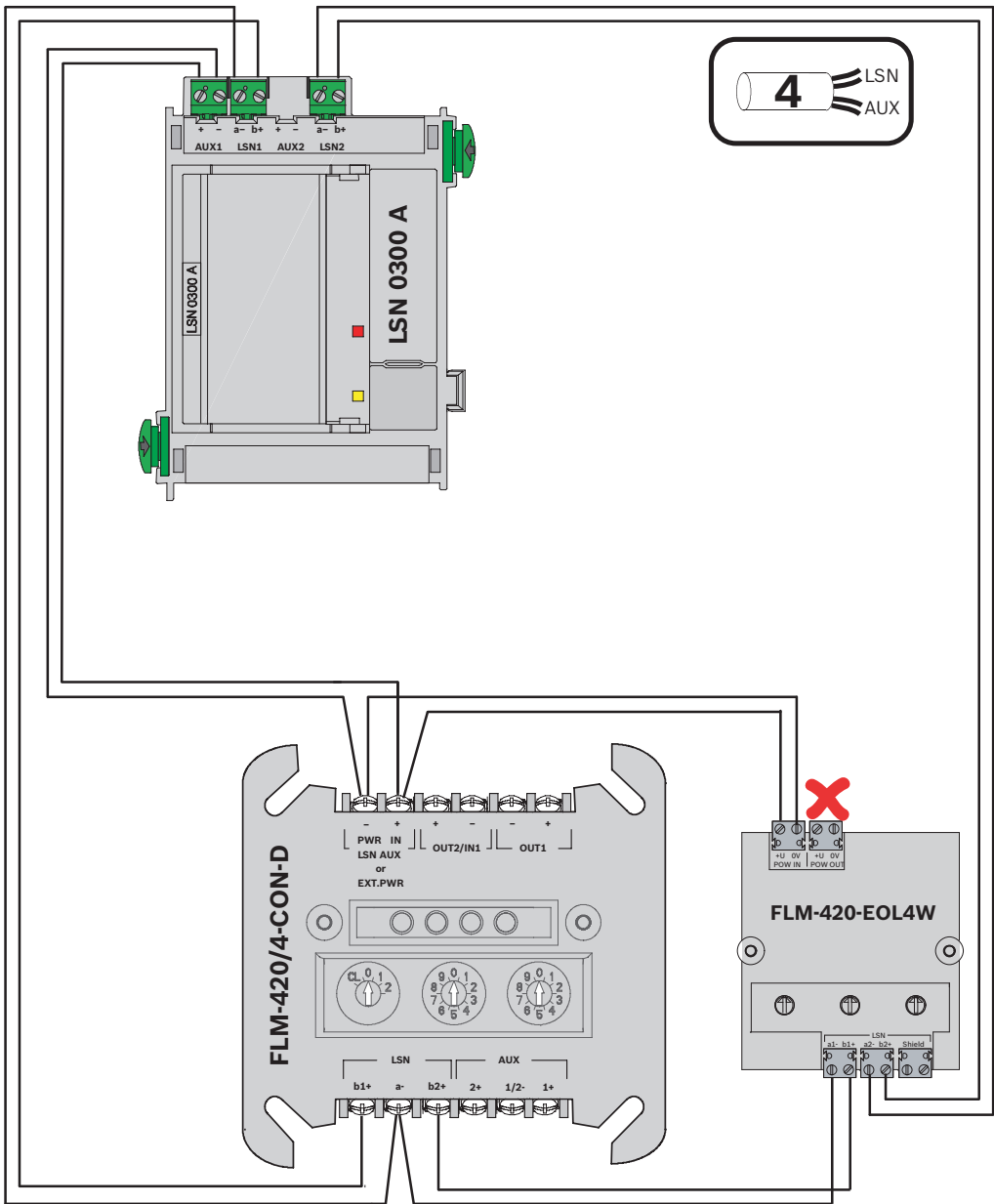
**FLM-I 420-S****ELS VdS 2489**

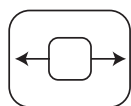
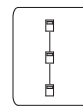
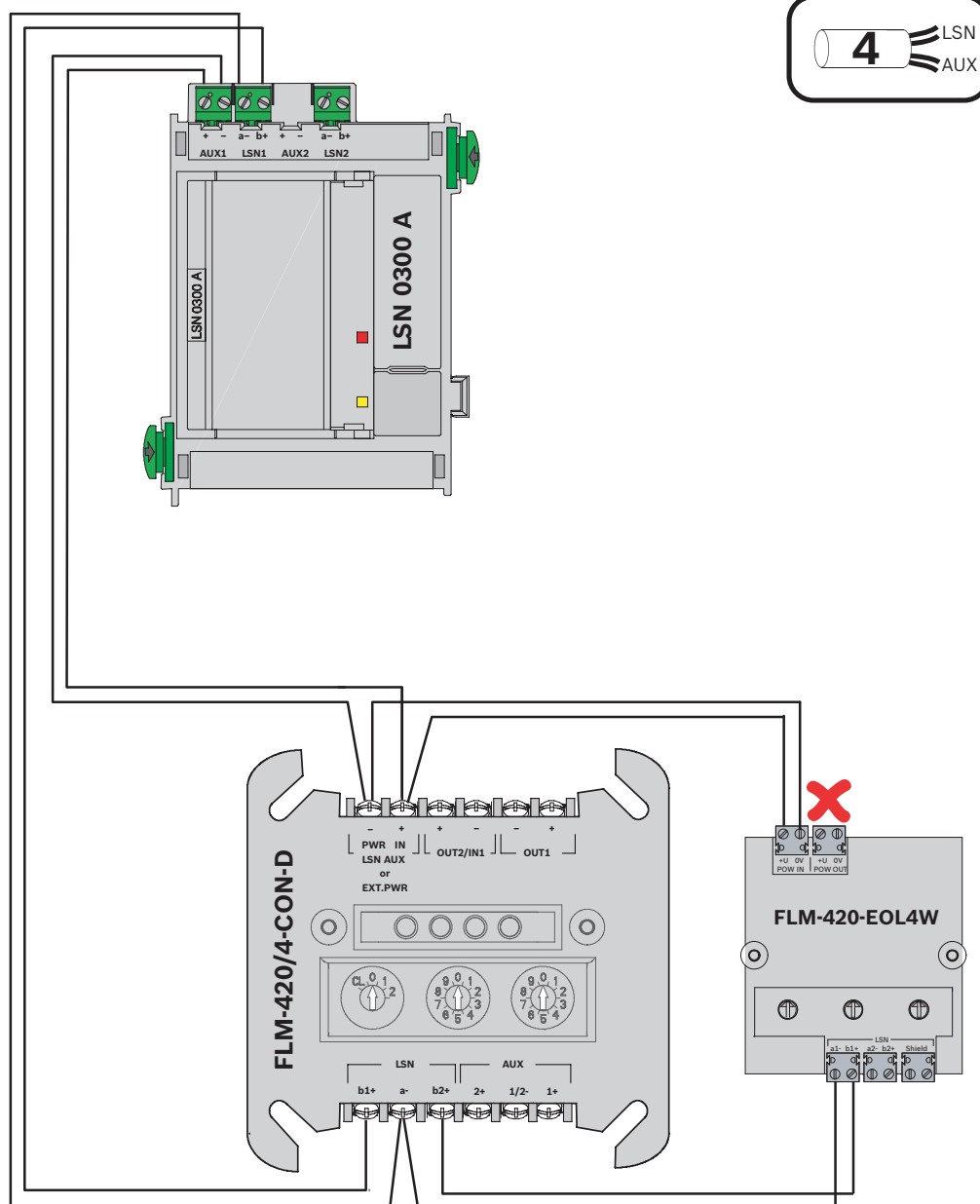


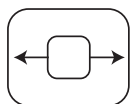
**FLM-420/
4-CON-D**



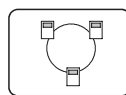
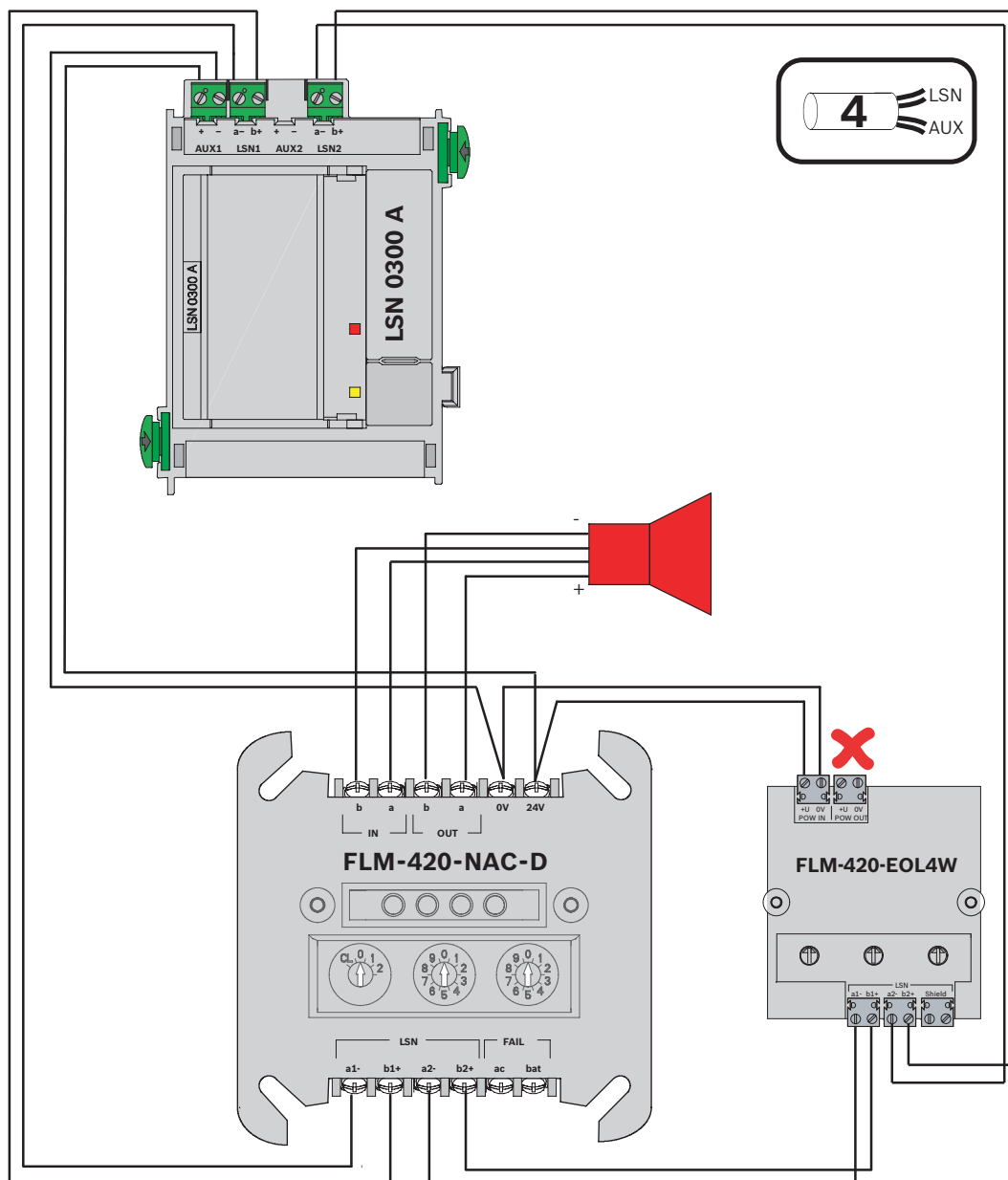
ELS VdS 2489

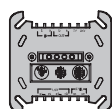
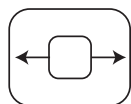
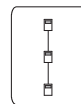
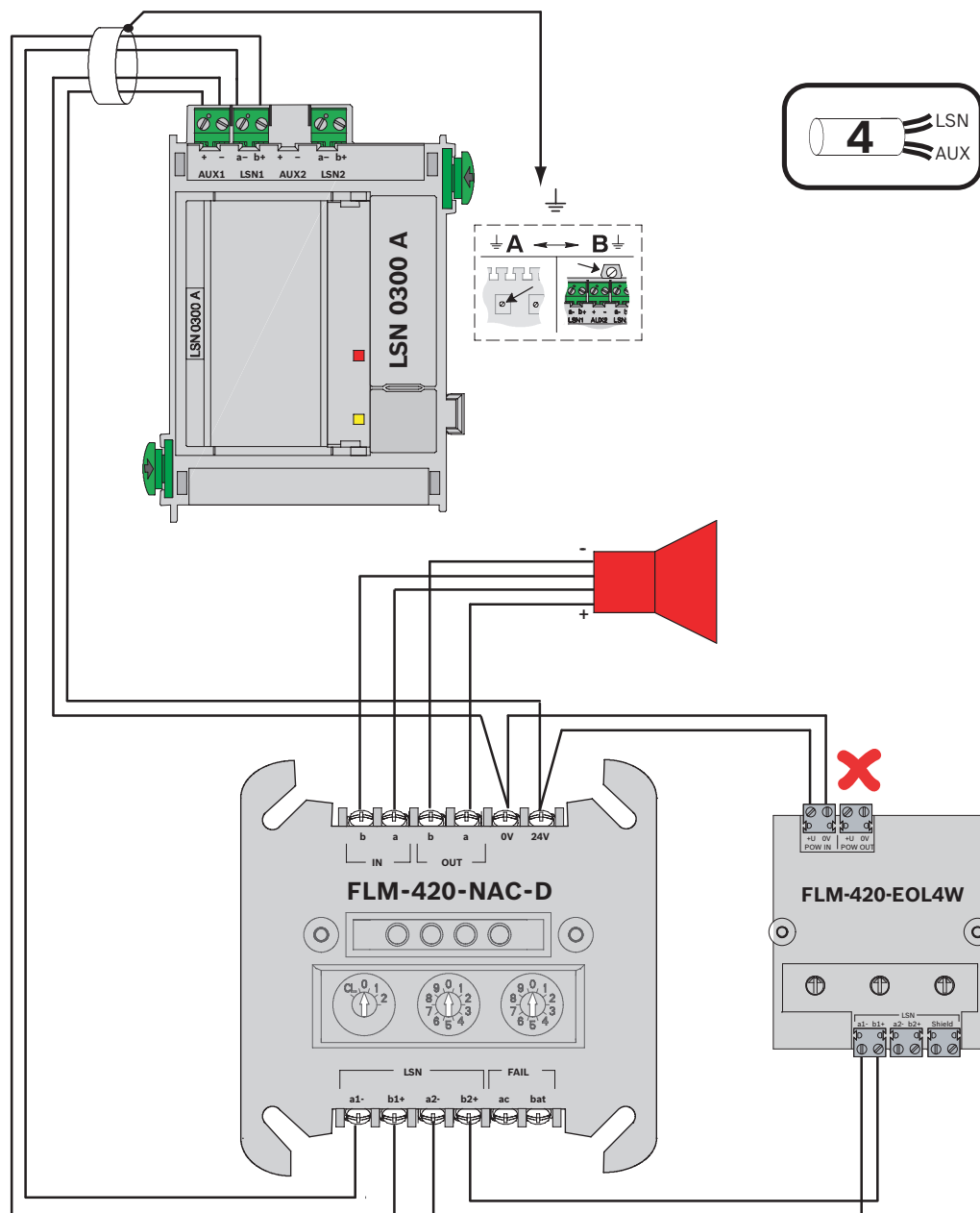


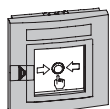
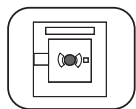
**FLM-420/
4-CON-D****ELS VdS 2489**



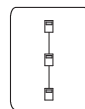
FLM-420-NAC-D/S

ELS VdS 2489
EN 54-2

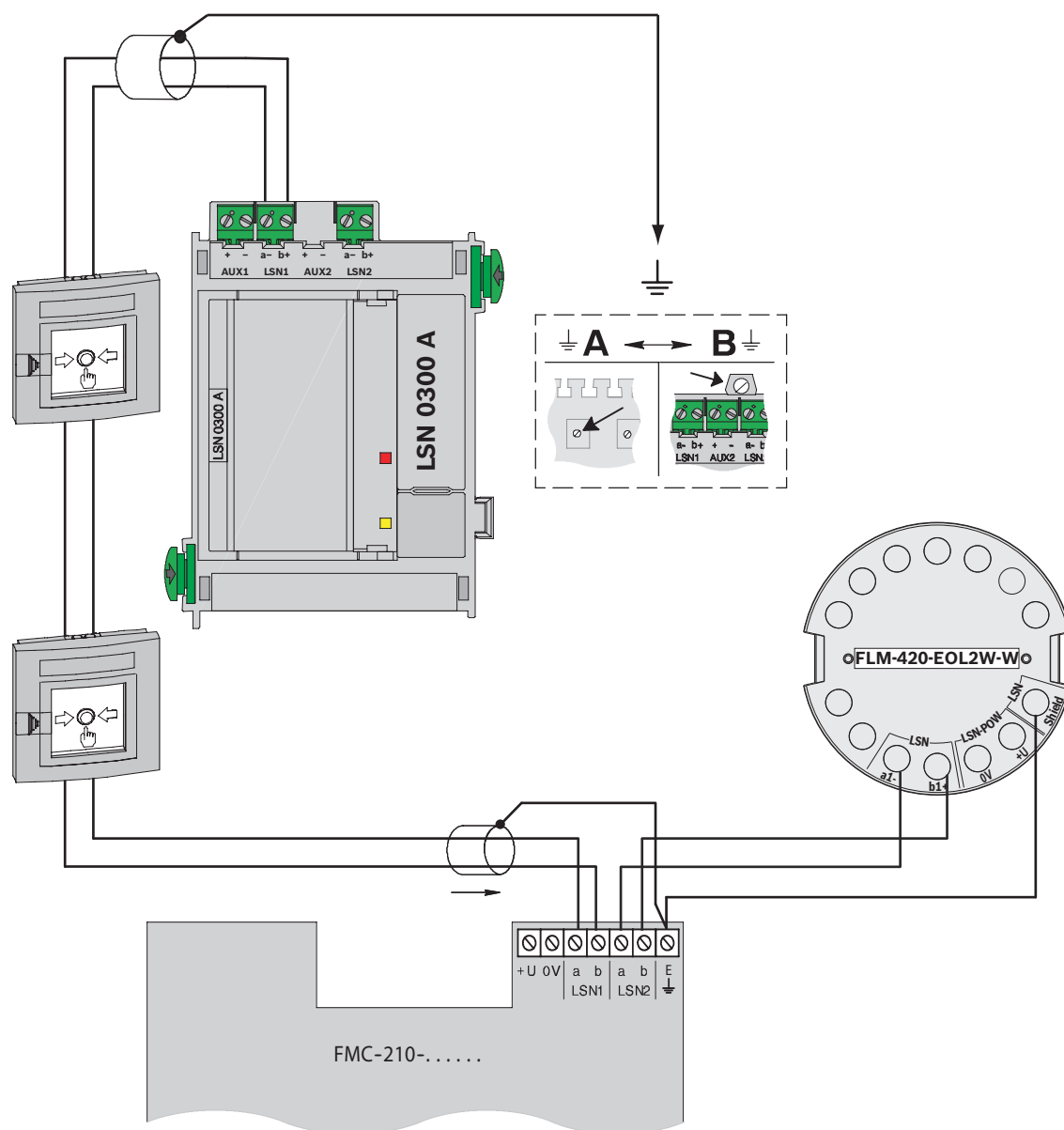
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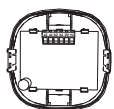


FMC-210-...

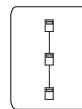


ELS VdS 2489

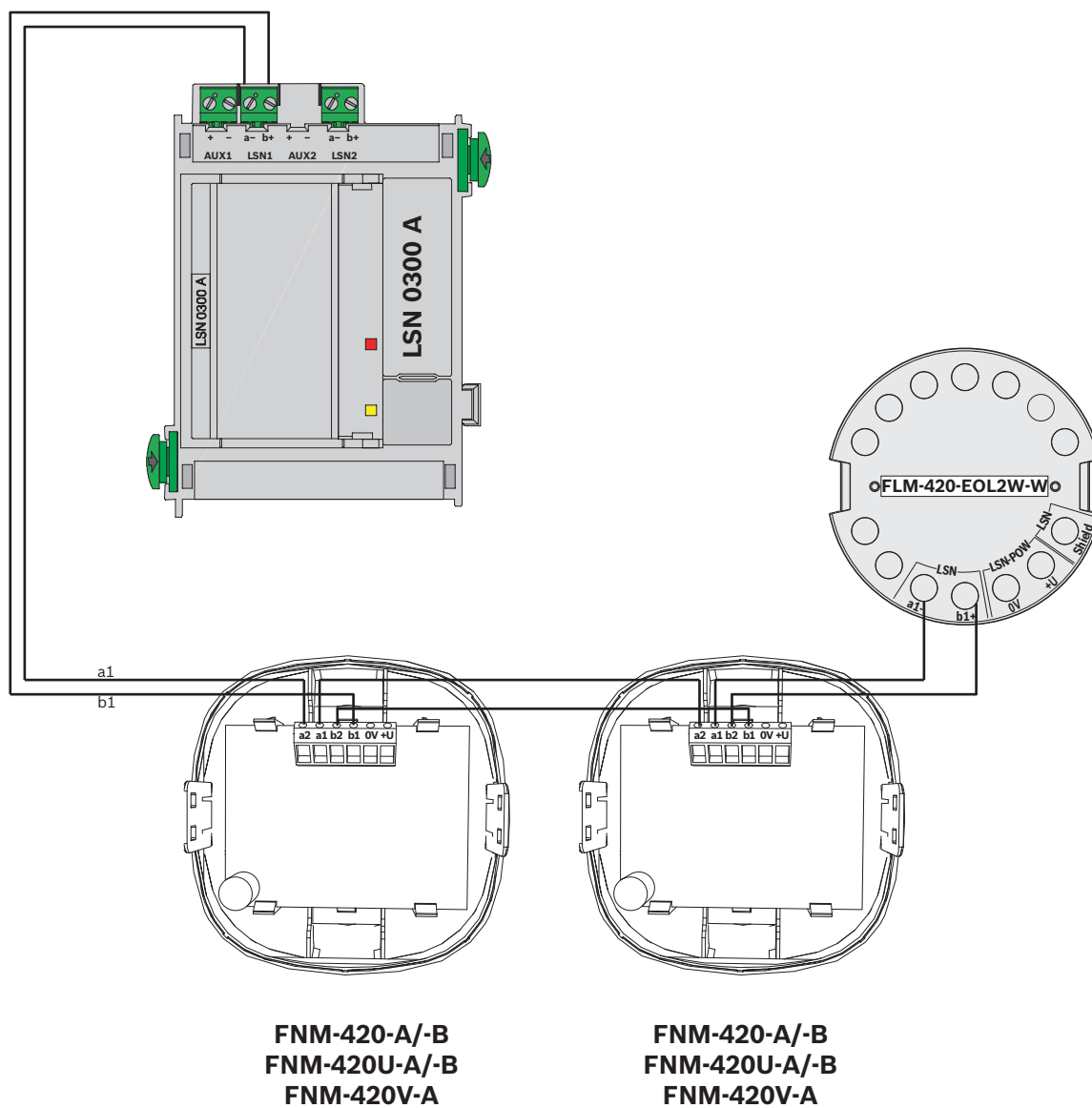


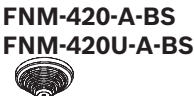


FNM-420-A /-B
FNM-420U-A /-B
FNM-420V-A

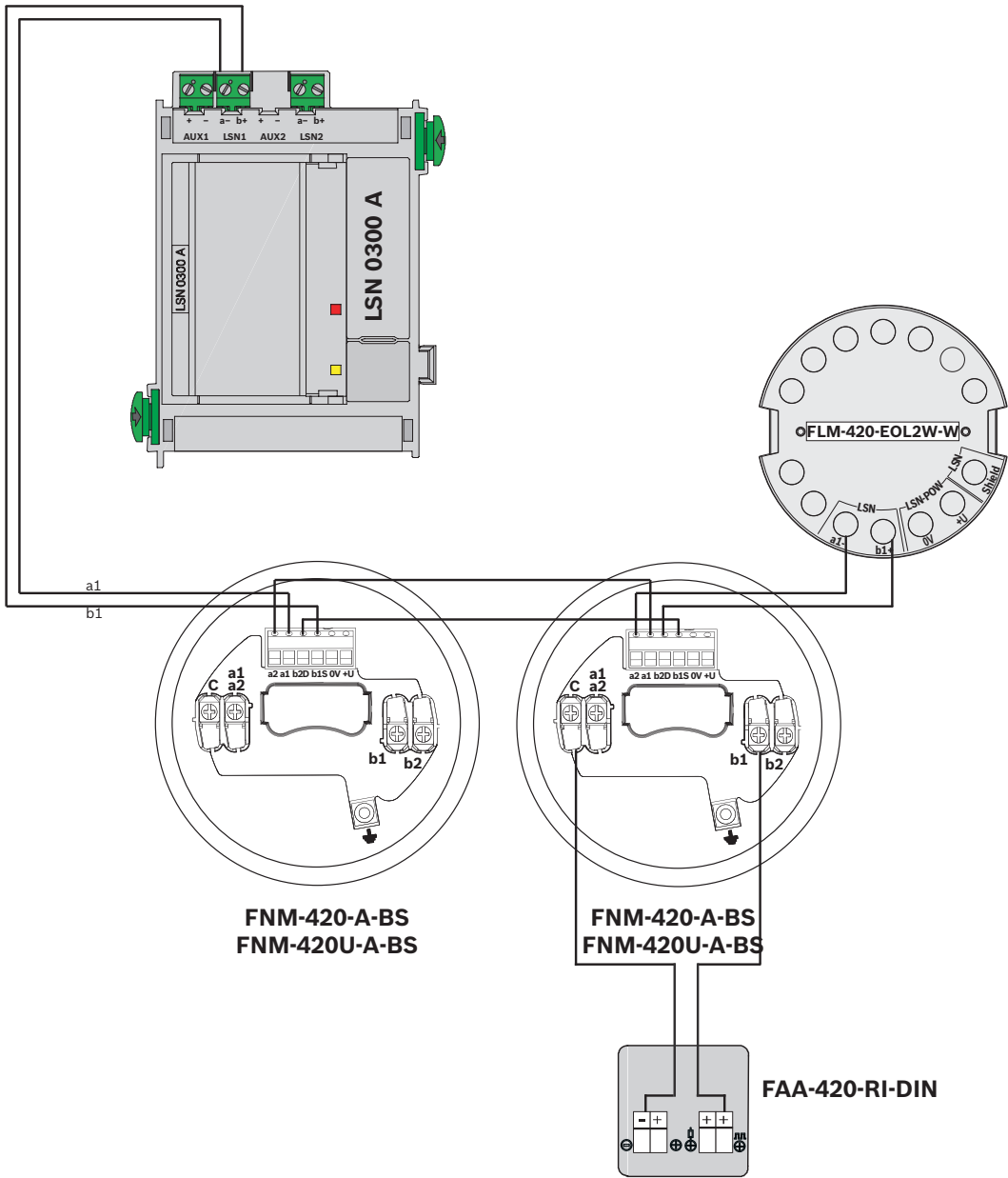


ELS VdS 2489





ELS VdS 2489

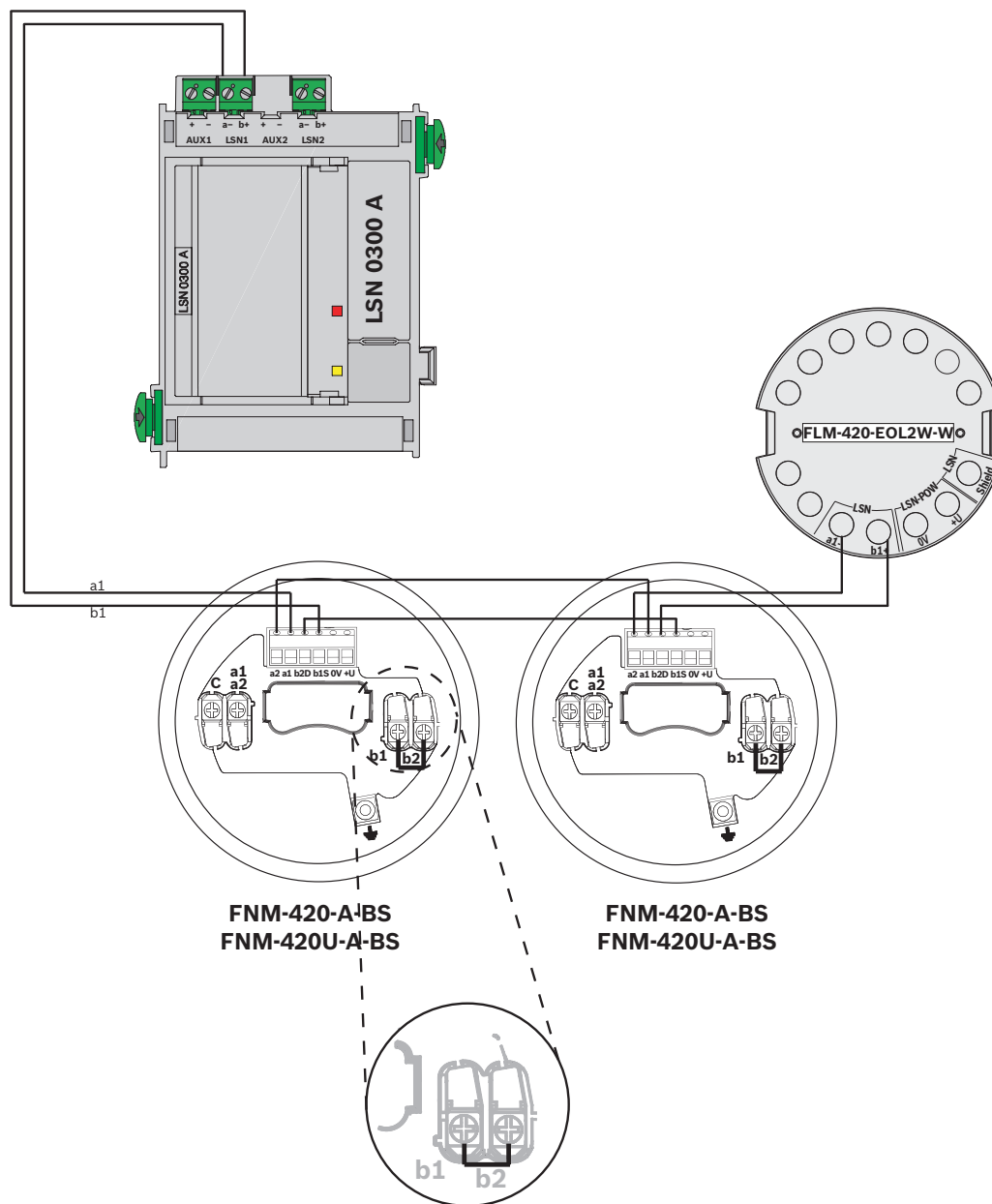




FNM-420-A-BS
FNM-420U-A-BS



ELS VdS 2489

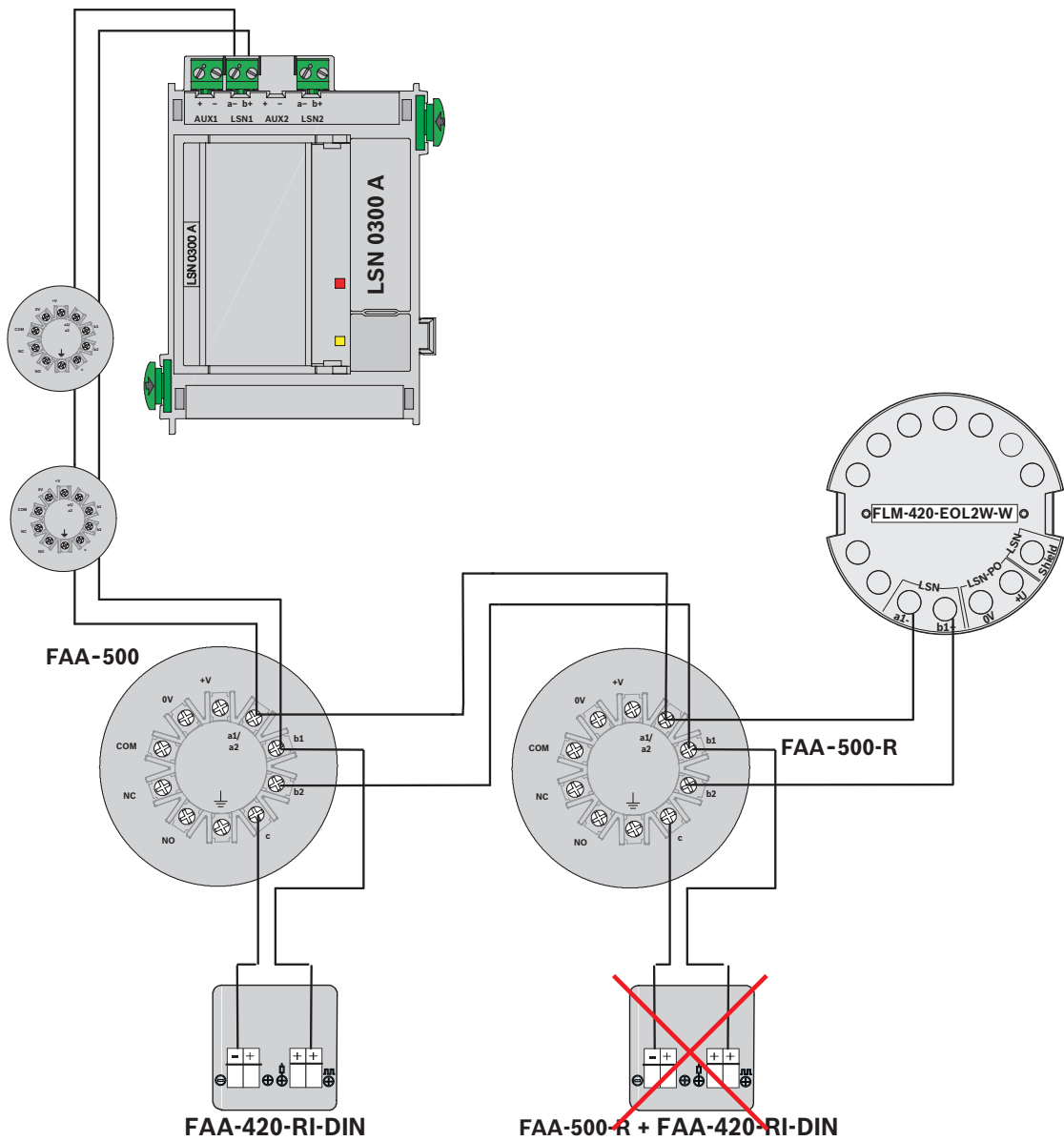




FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P

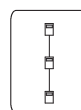


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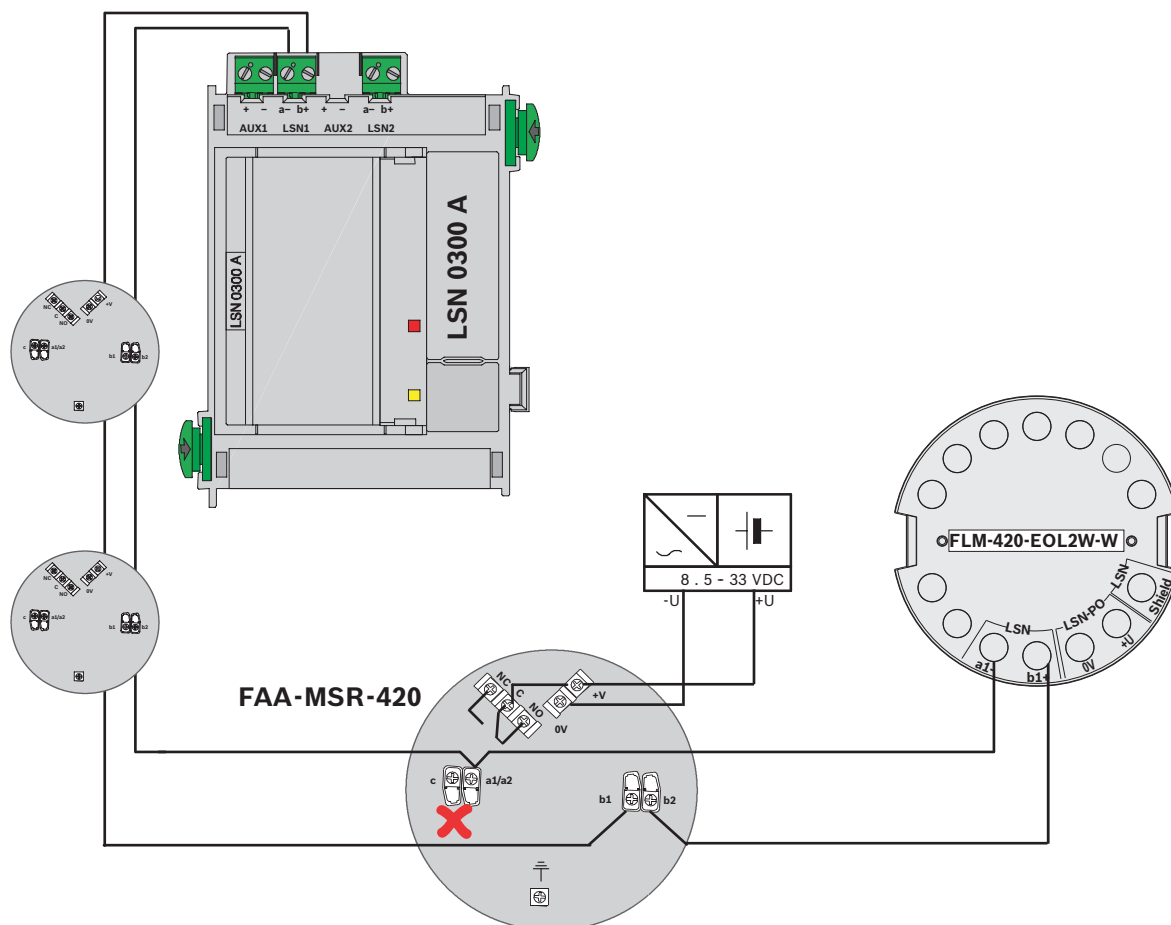


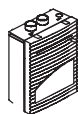


FAP-425-O/O-R
FAP-425-OT/OT-R
FAP-425-T-R
FAP-425-DO-R/DOT-R/DOTC-R

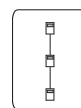


ELS VdS 2489

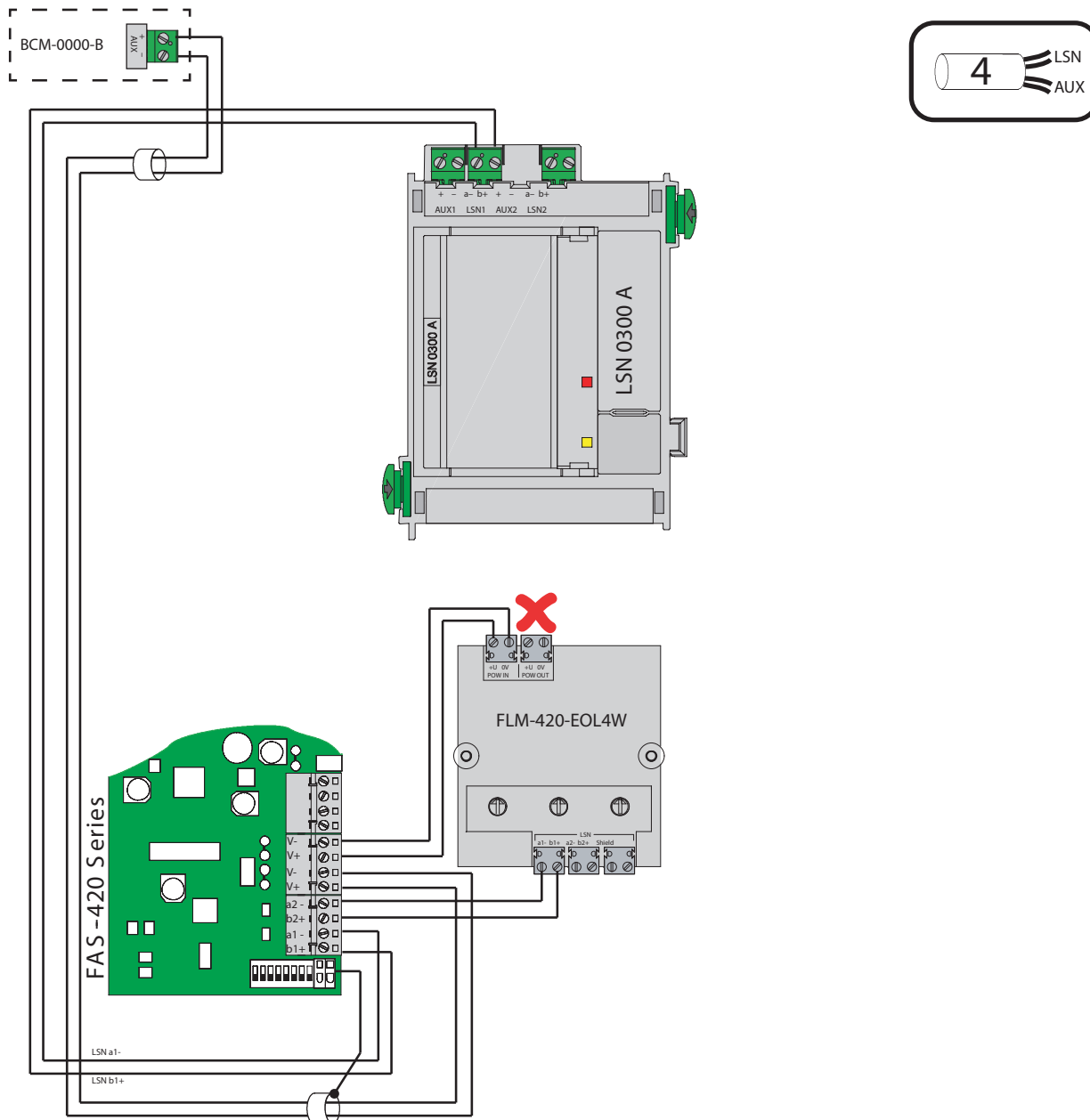


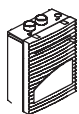


FAS-420 Series

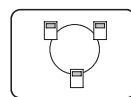


ELS VdS 2489

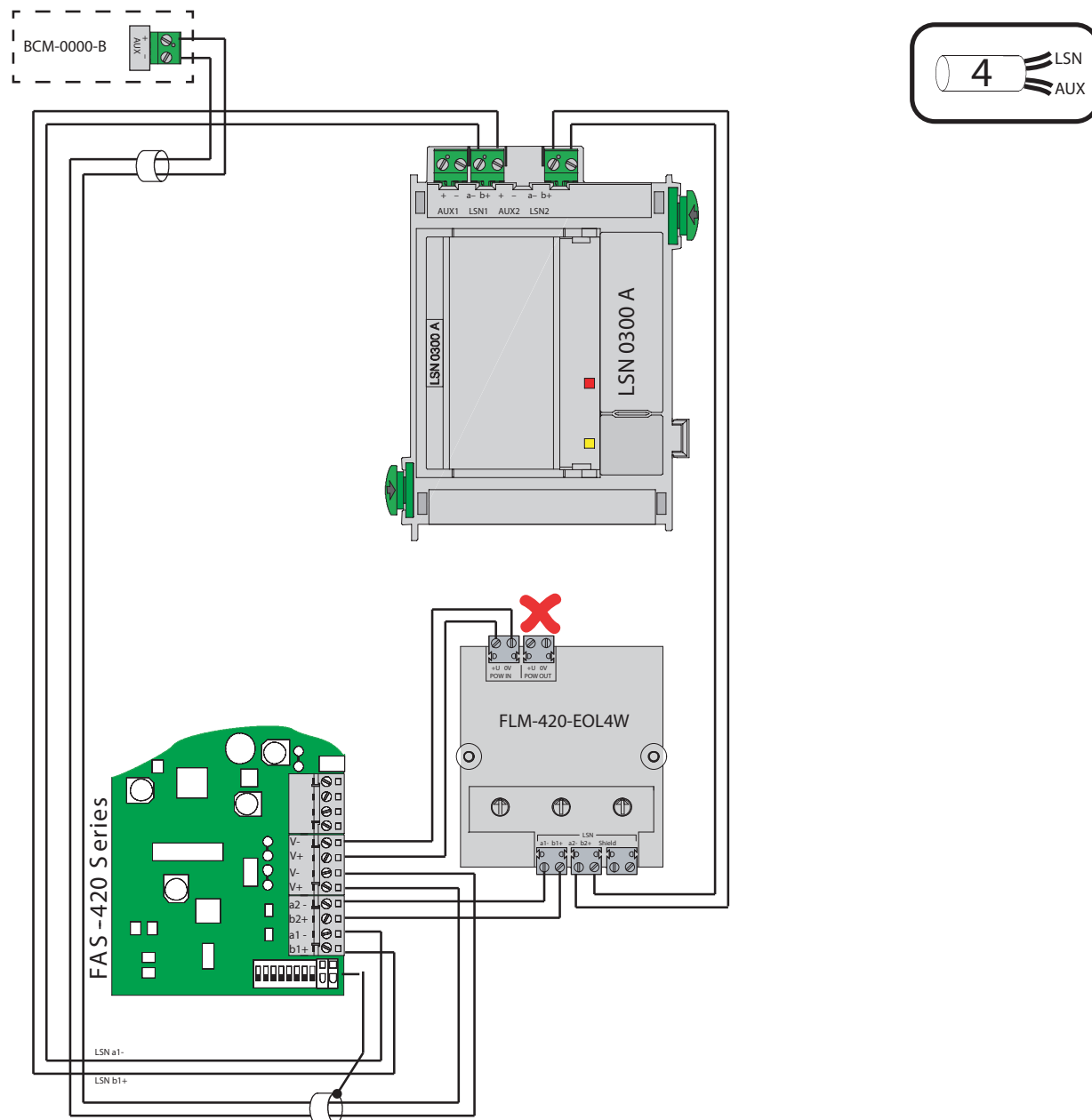


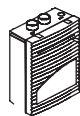


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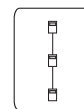


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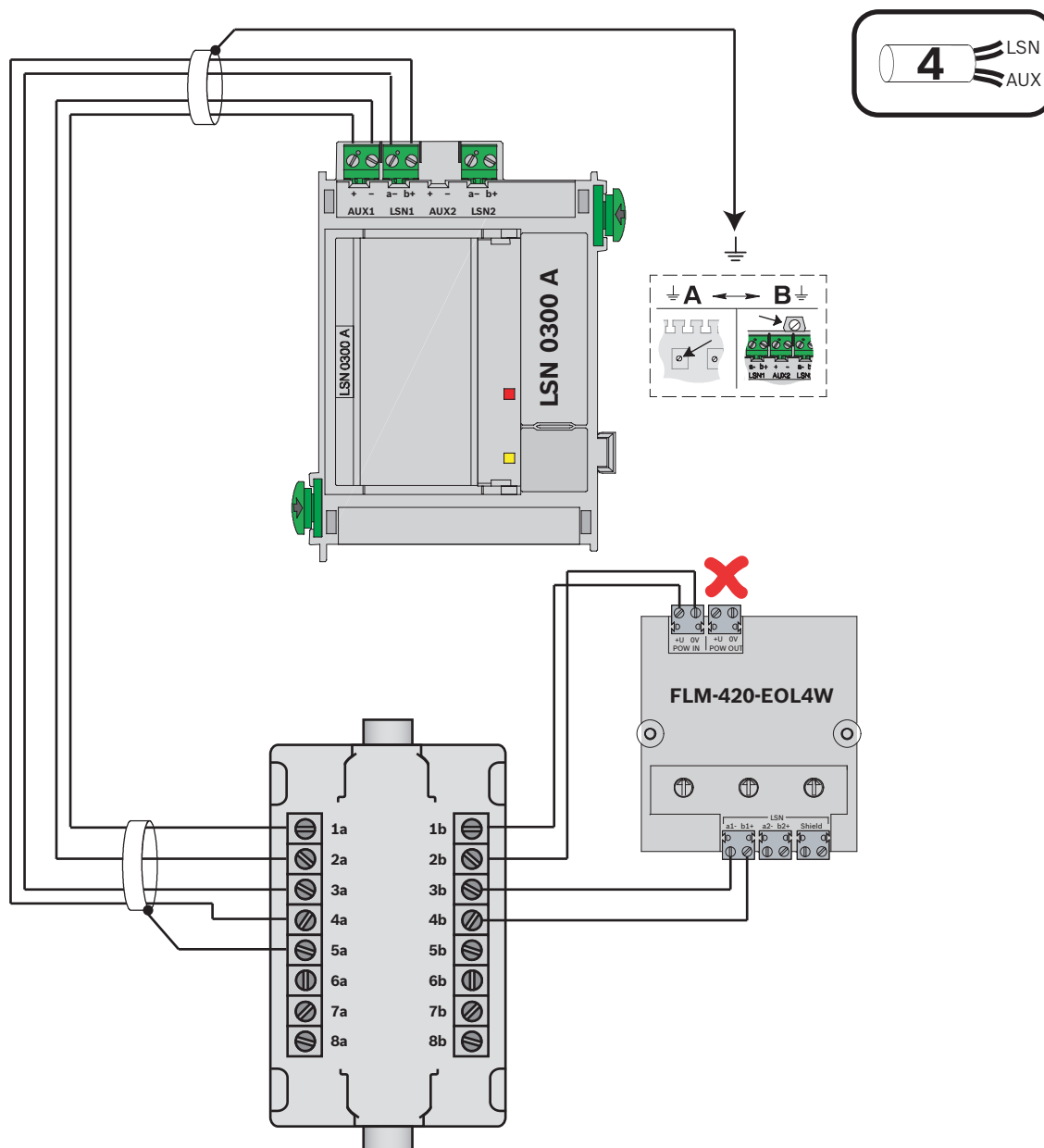


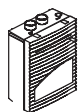


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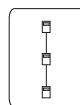


ELS VdS 2489

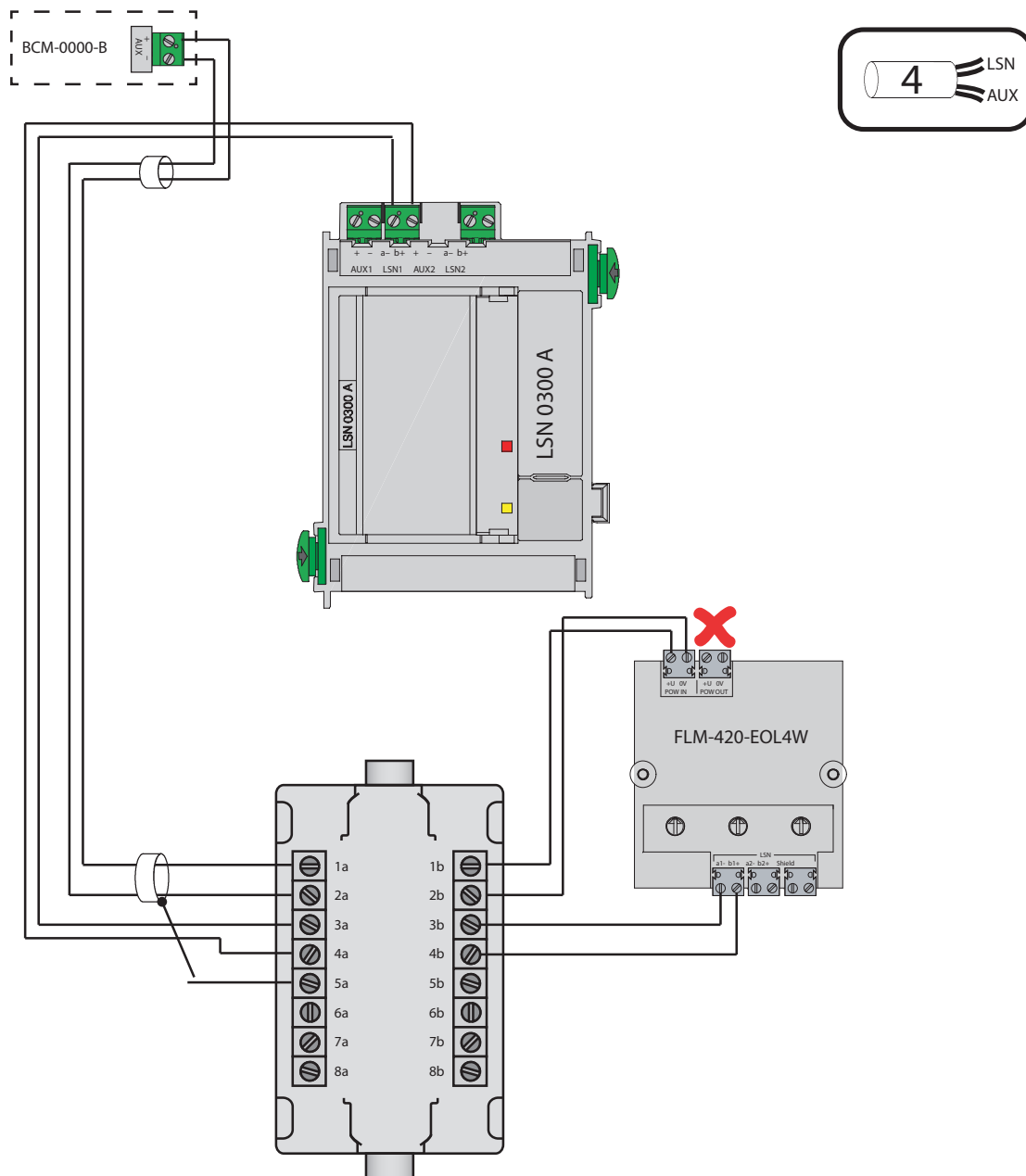


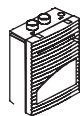


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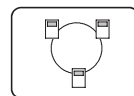


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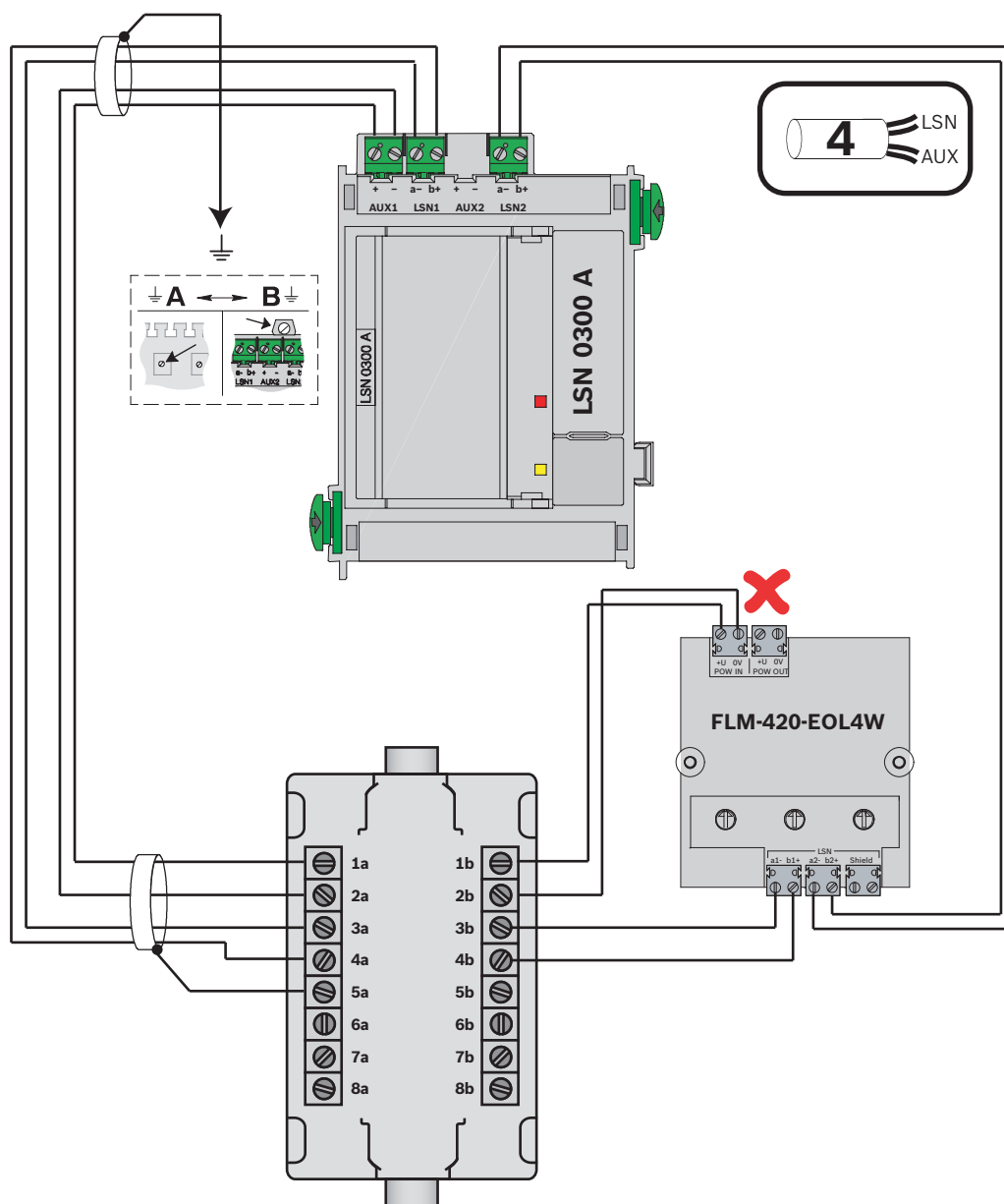


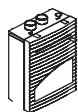


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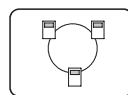


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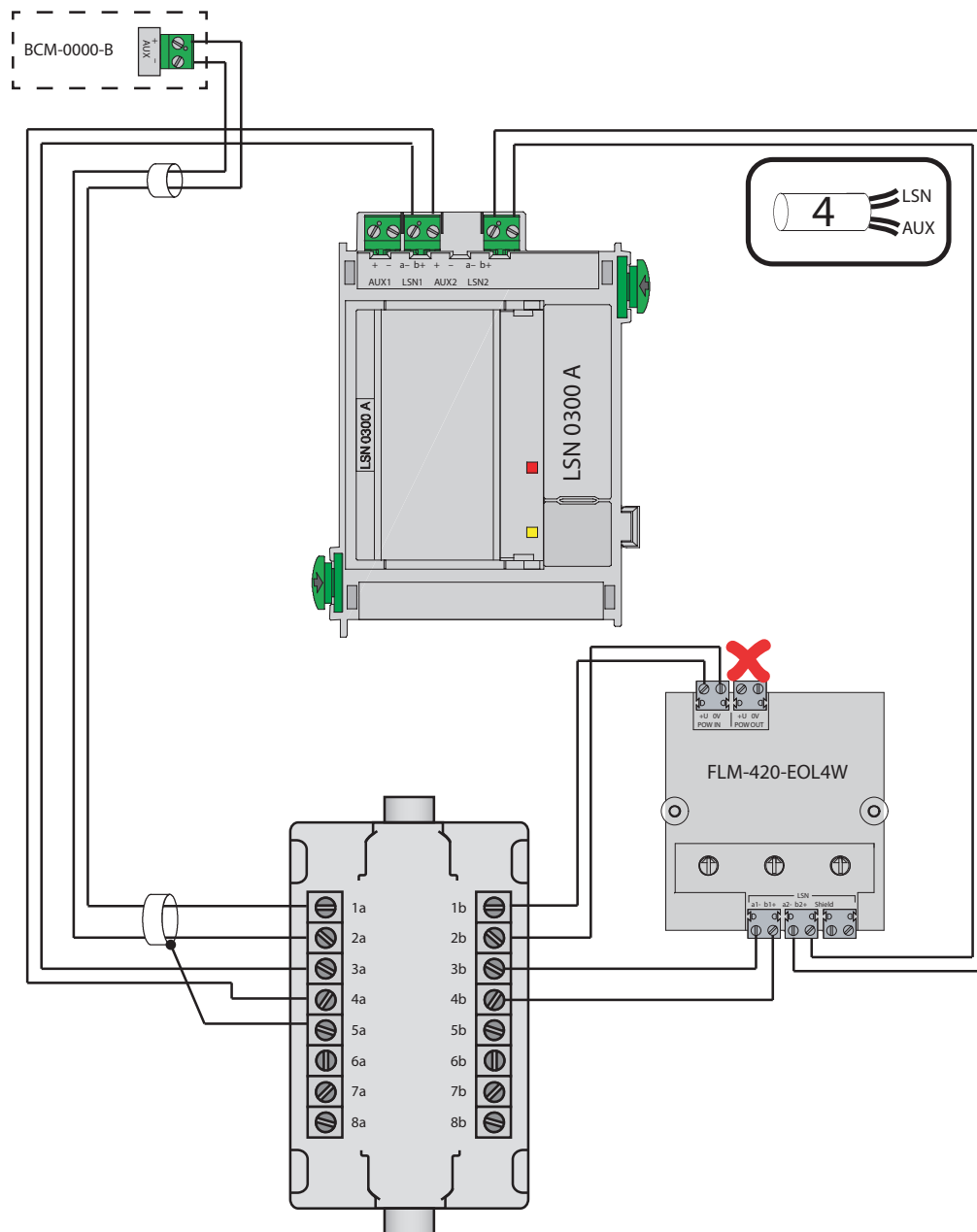


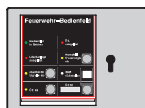


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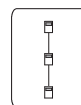


ELS VdS 2489

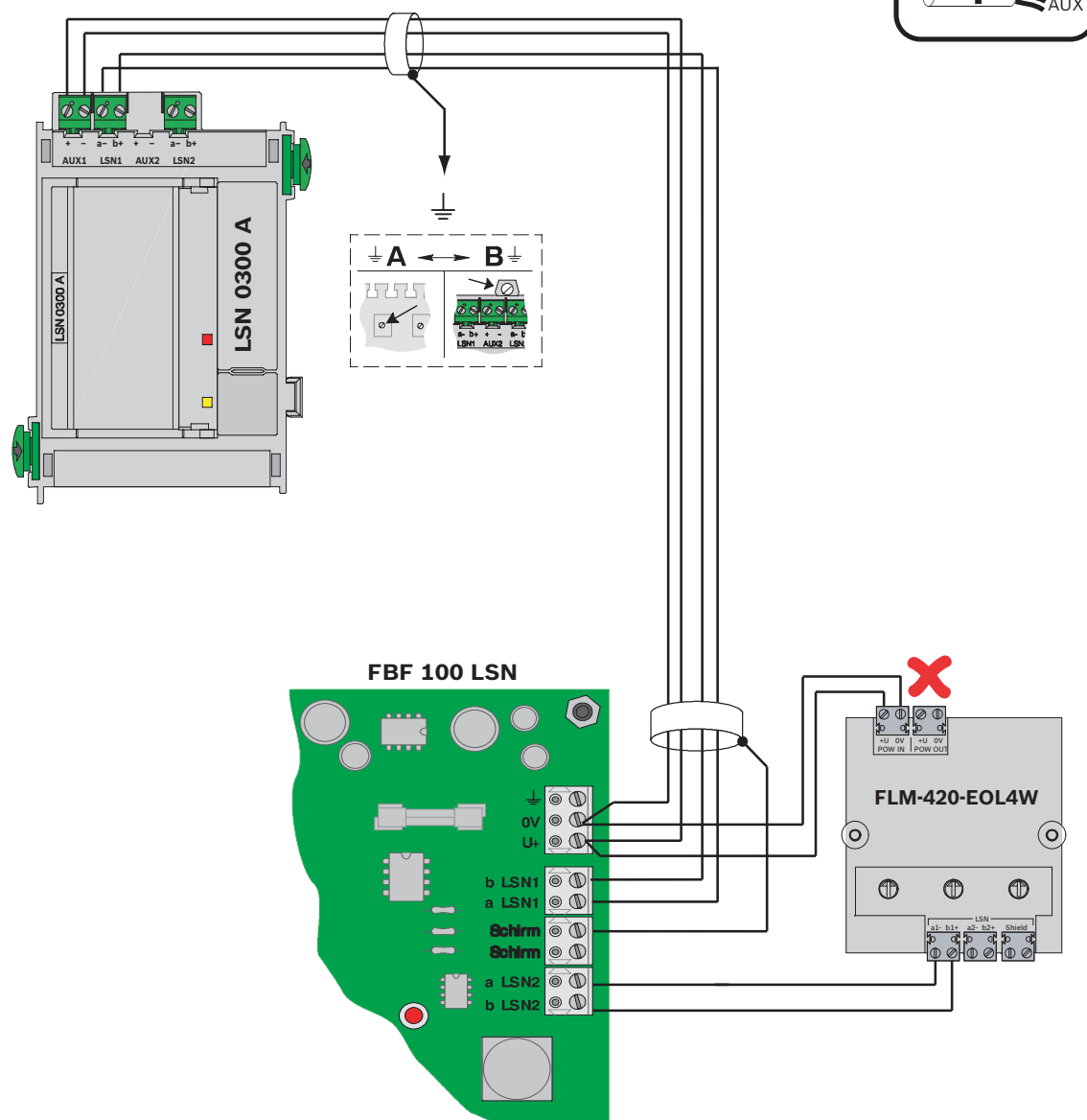




FBF 100 LSN

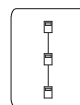


ELS VdS 2489

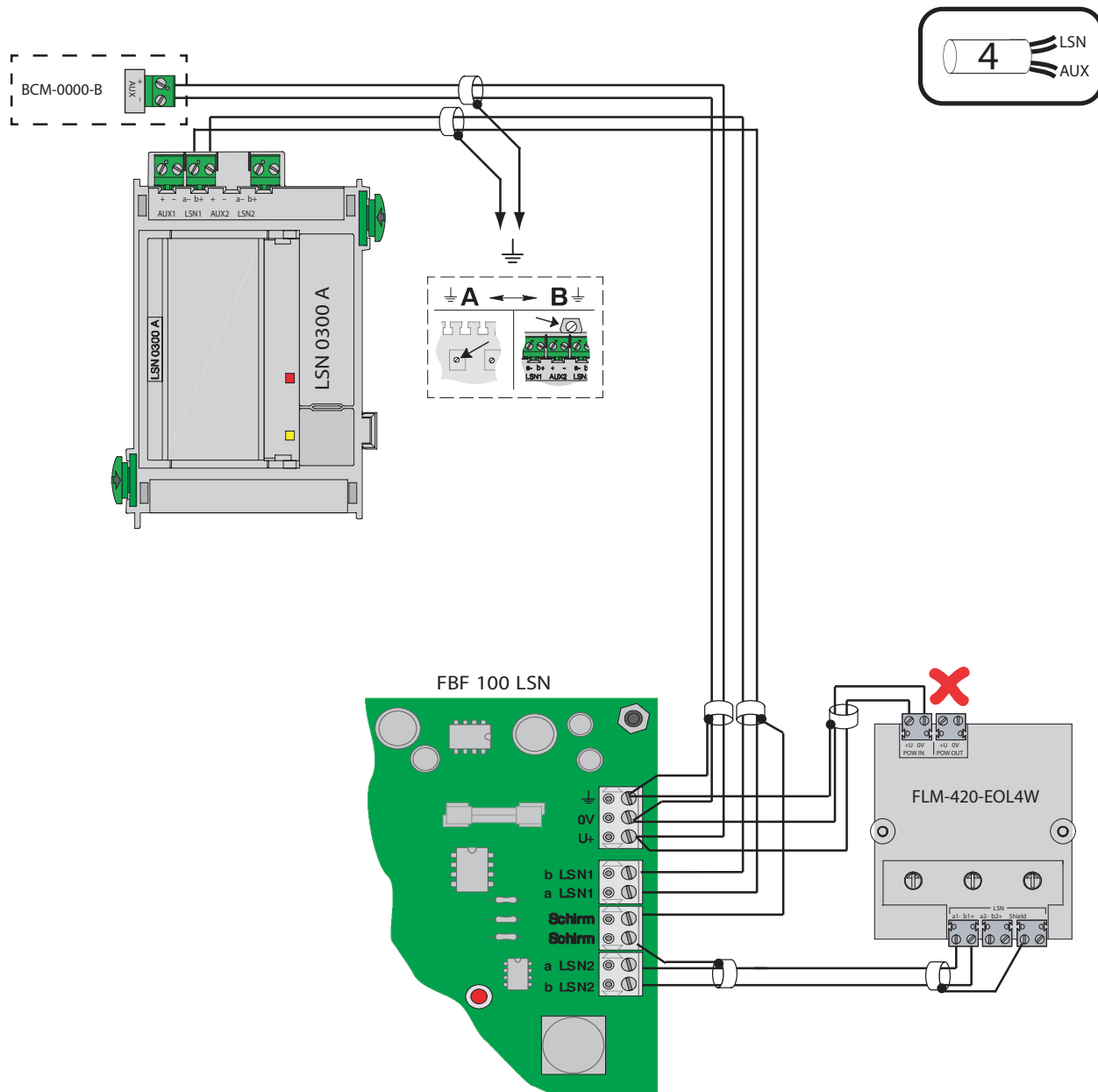




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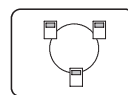


ELS VdS 2489

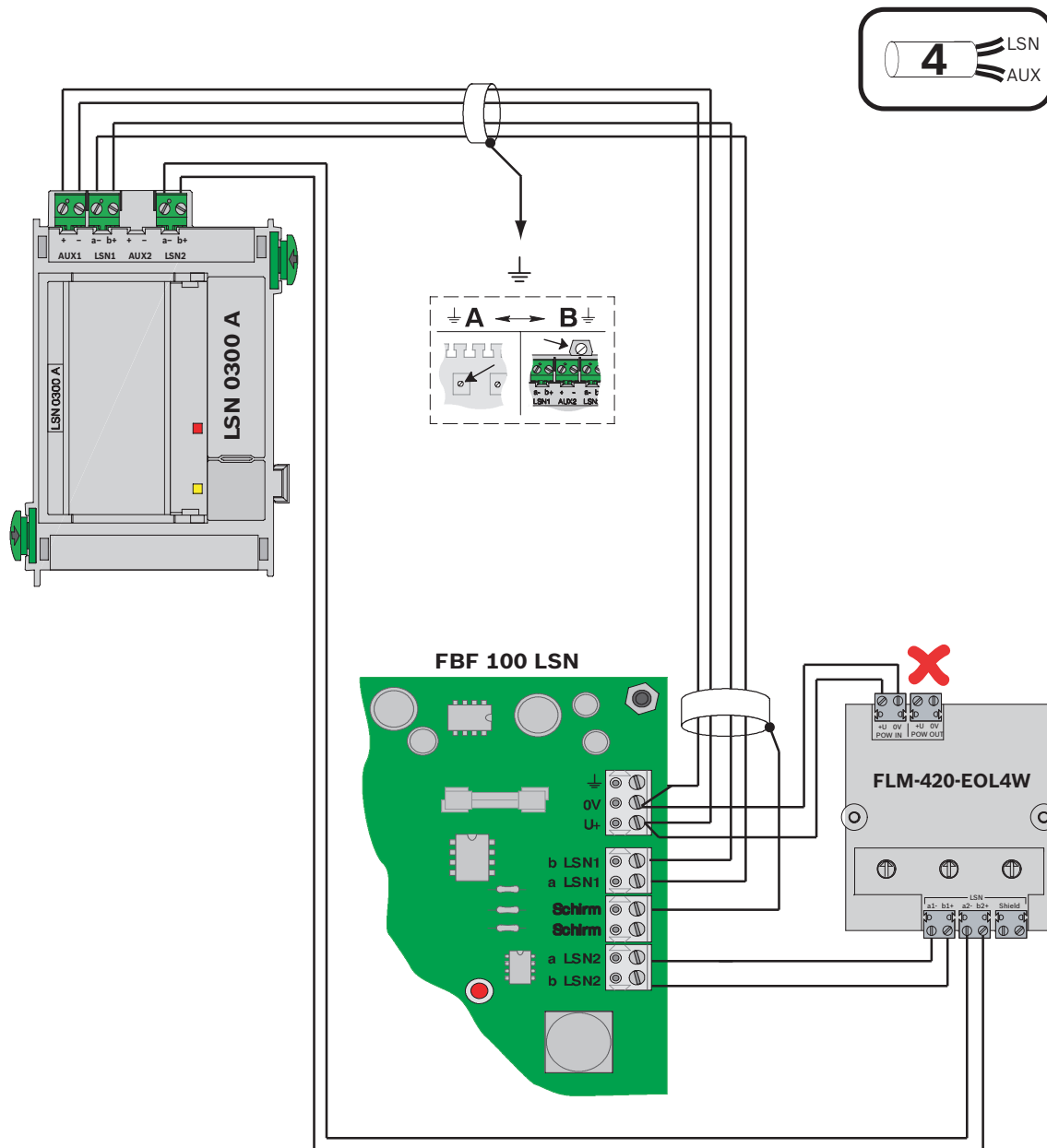


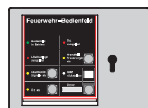


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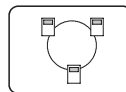


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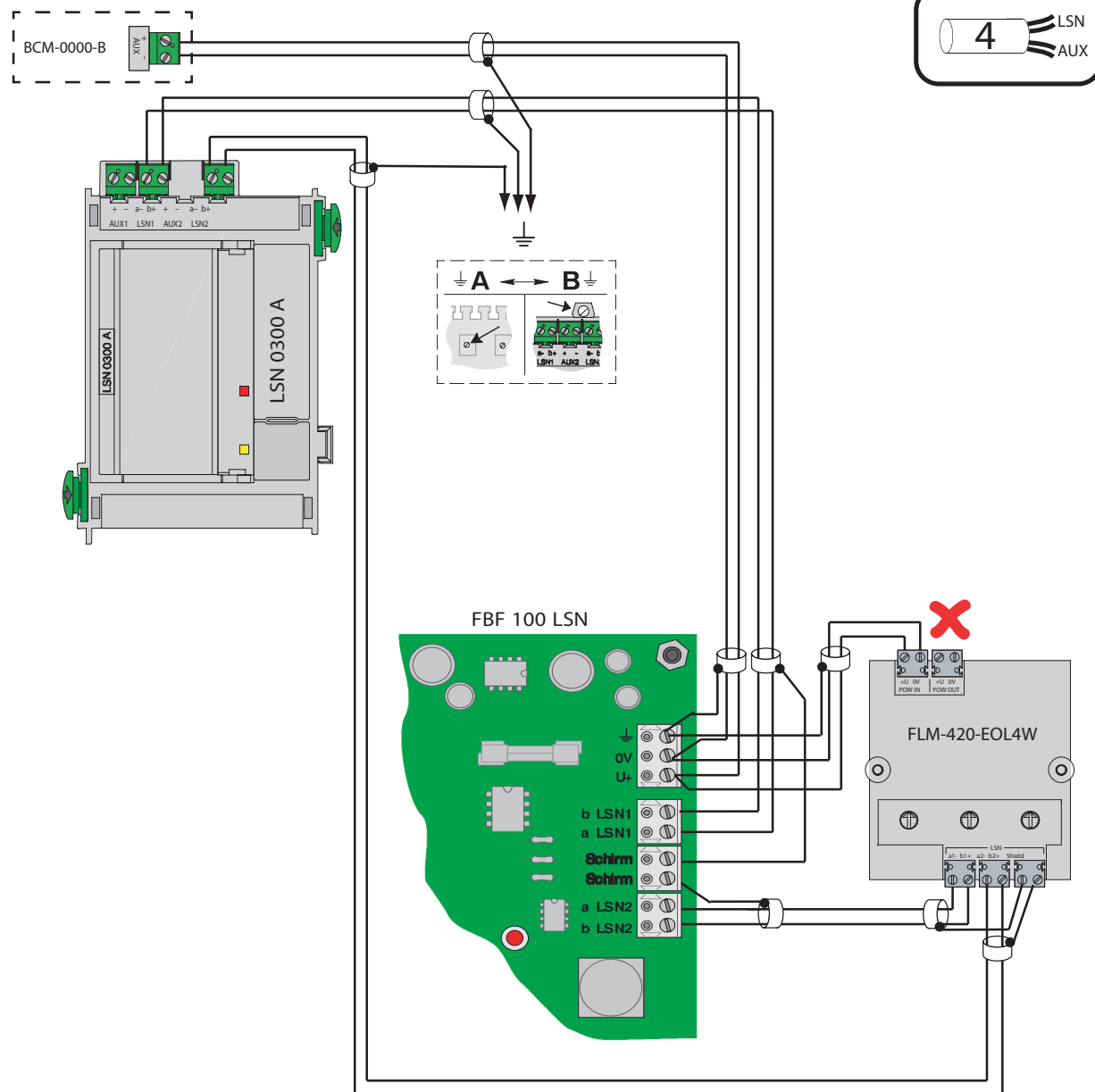


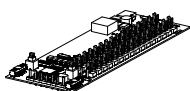


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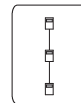


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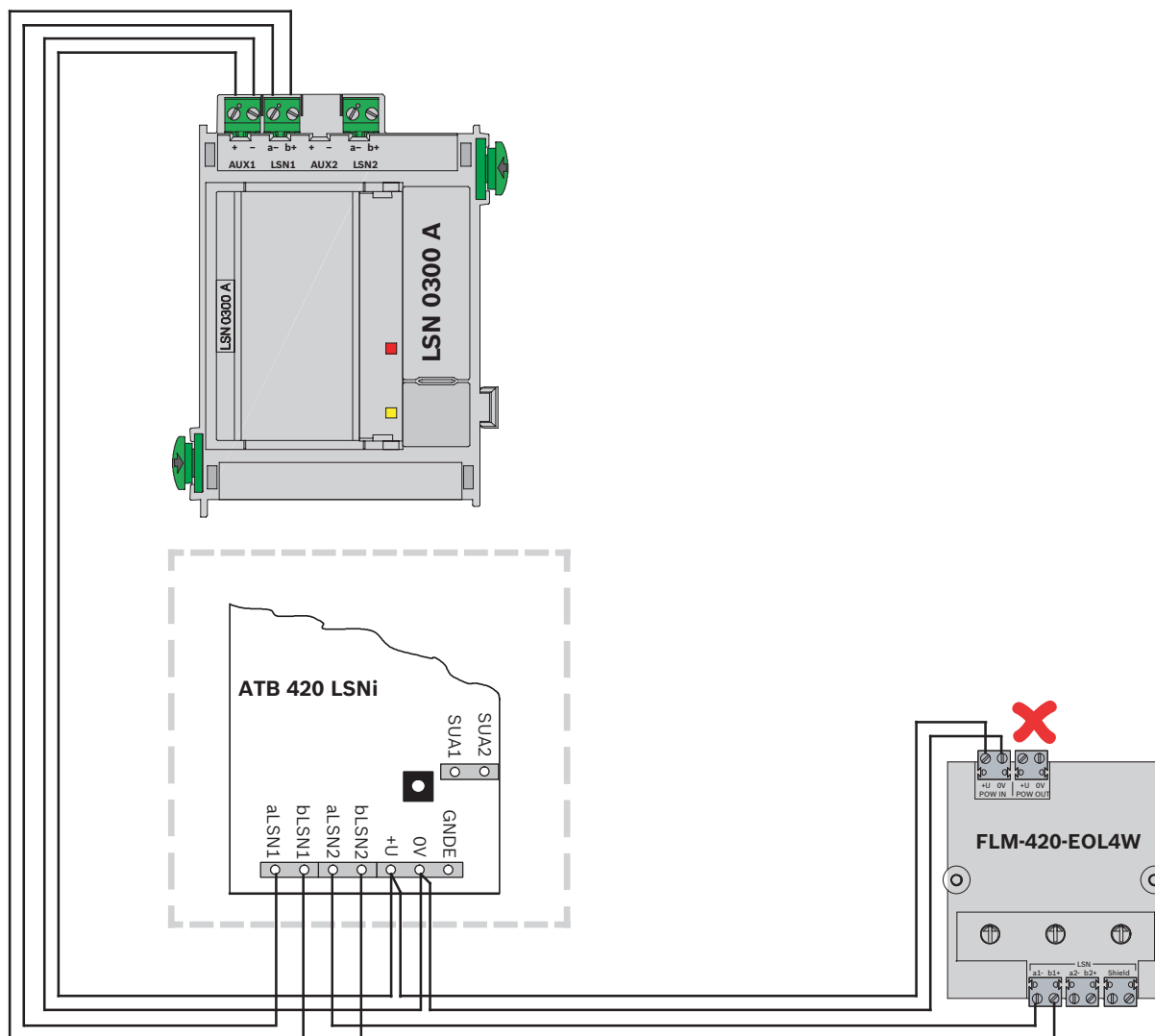
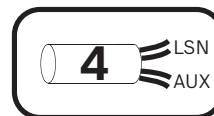


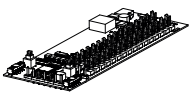


ATB 420 LSNi

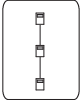


ELS VdS 2489

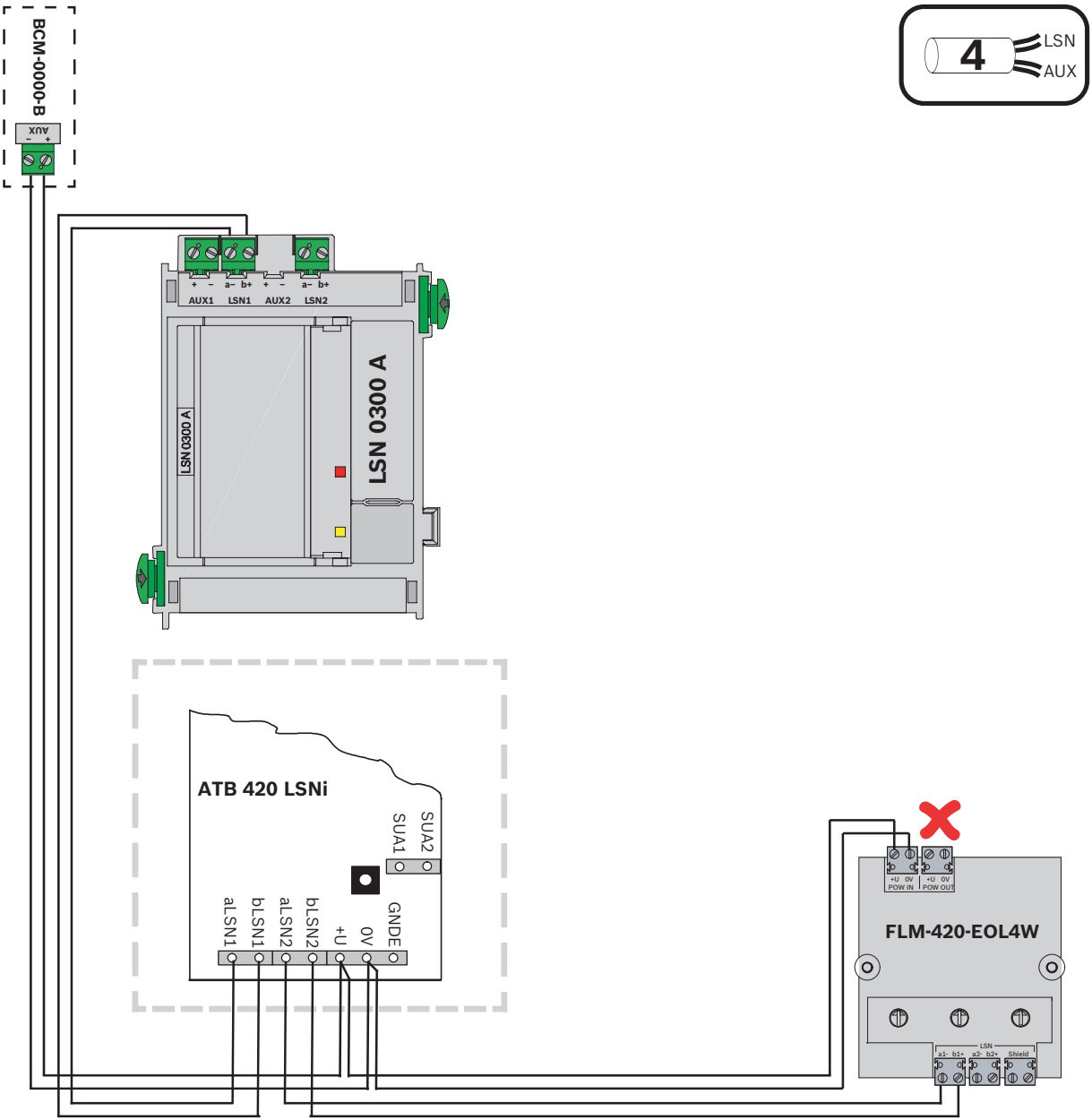


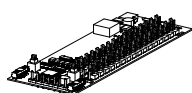
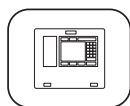


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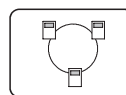


ELS VdS 2489

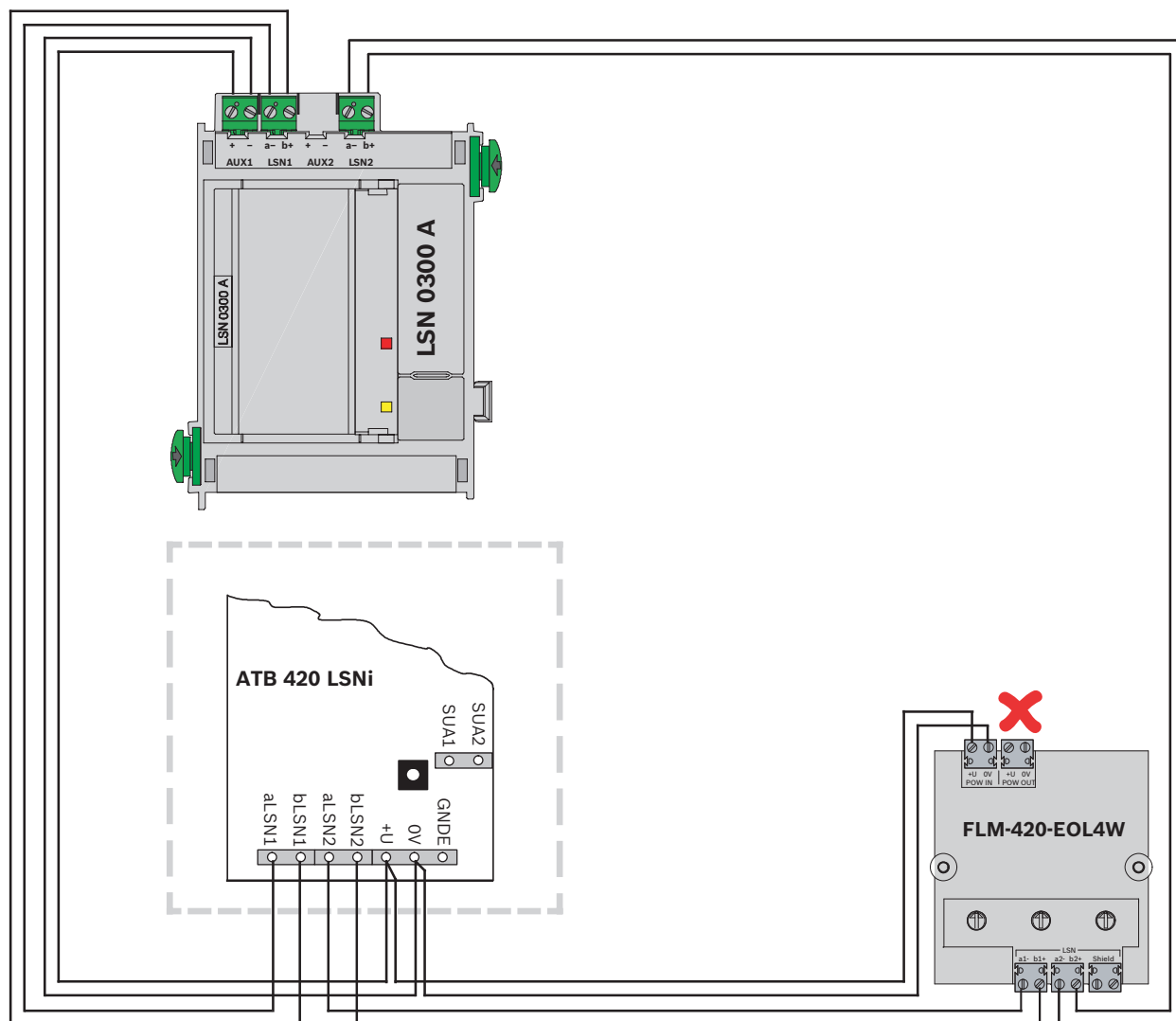
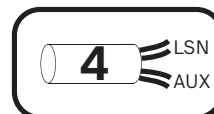


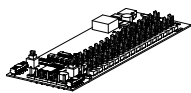


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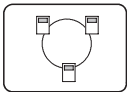


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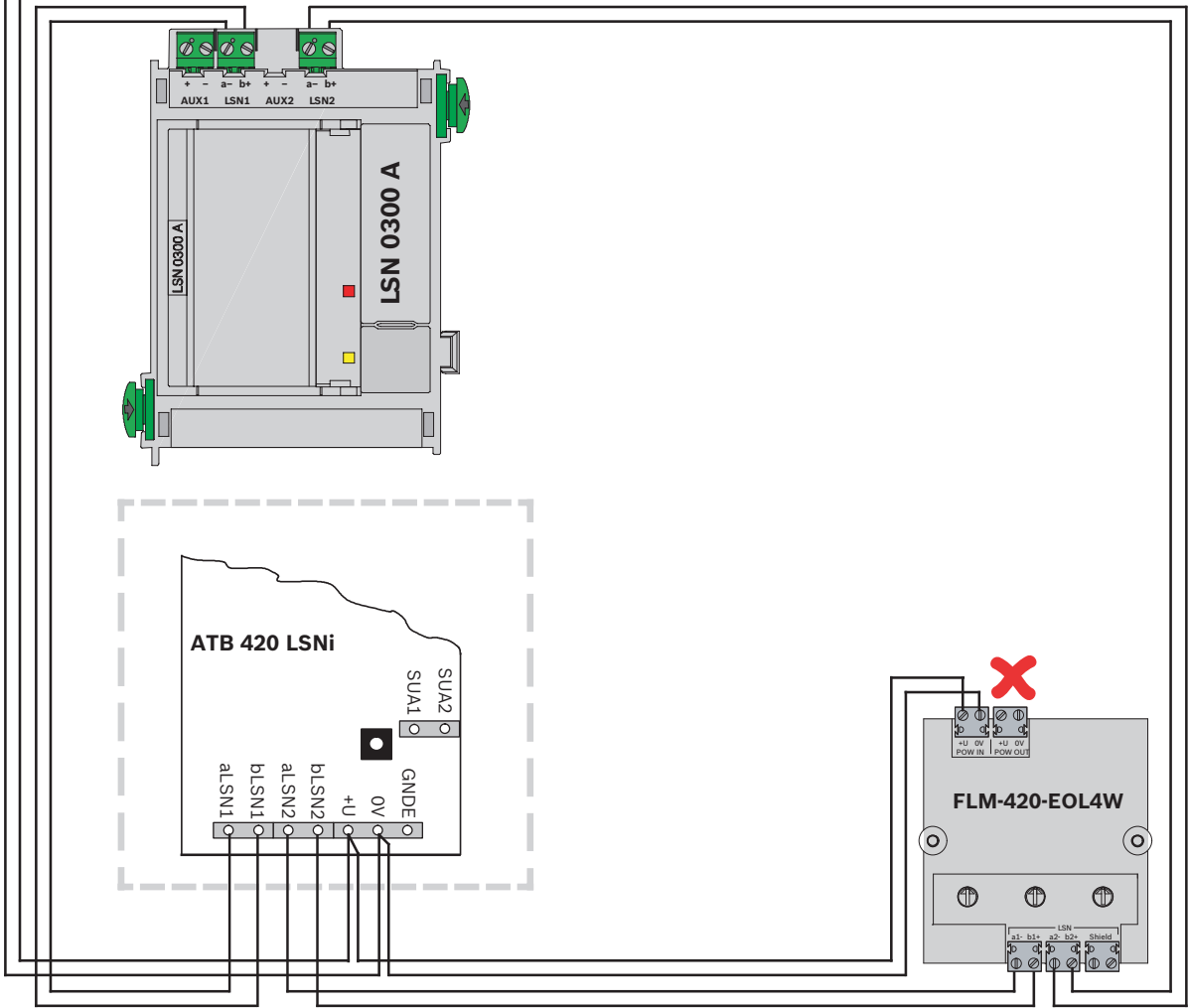




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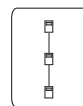


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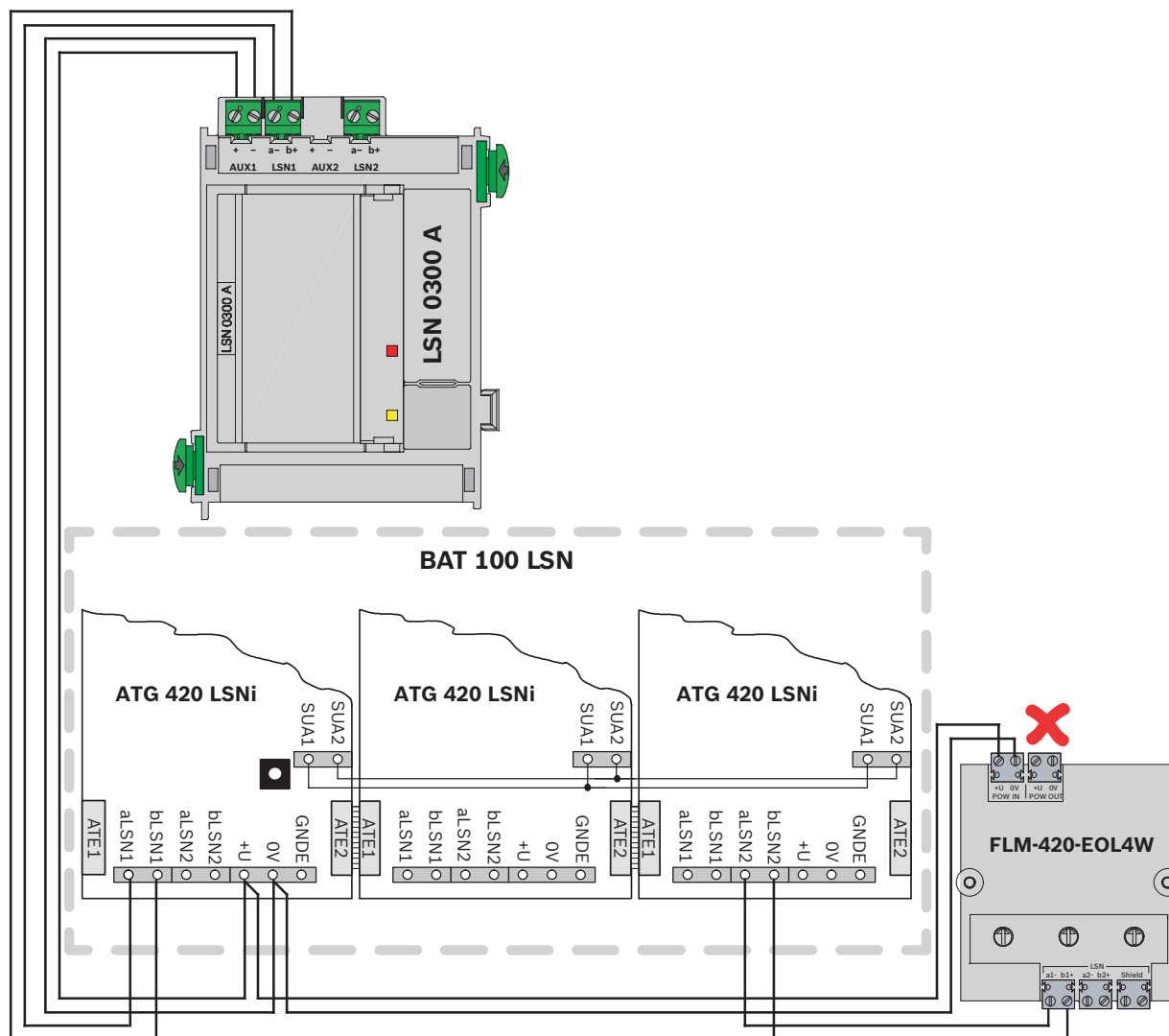


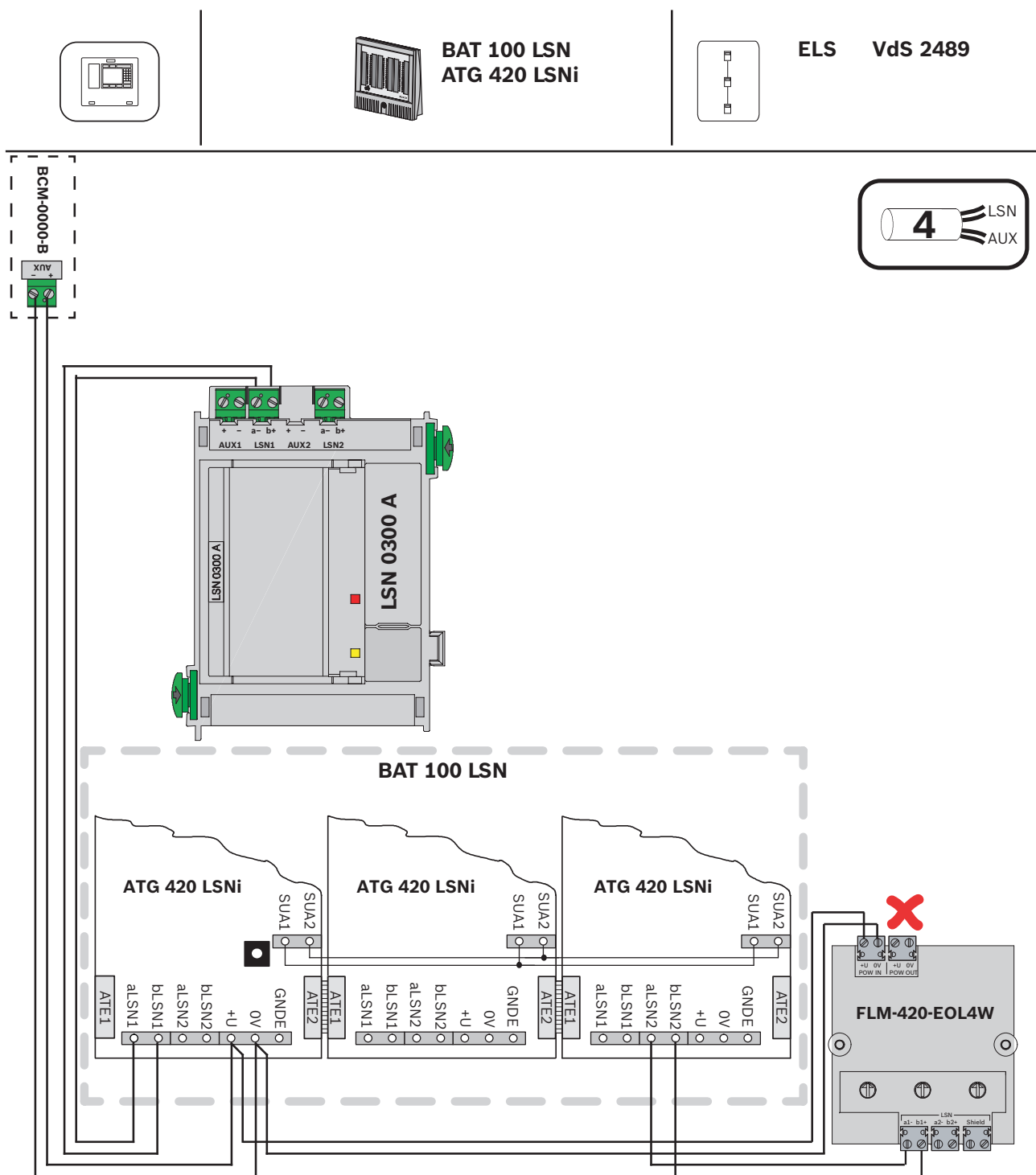


BAT 100 LSN
ATG 420 LSNi



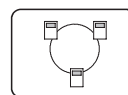
ELS VdS 2489



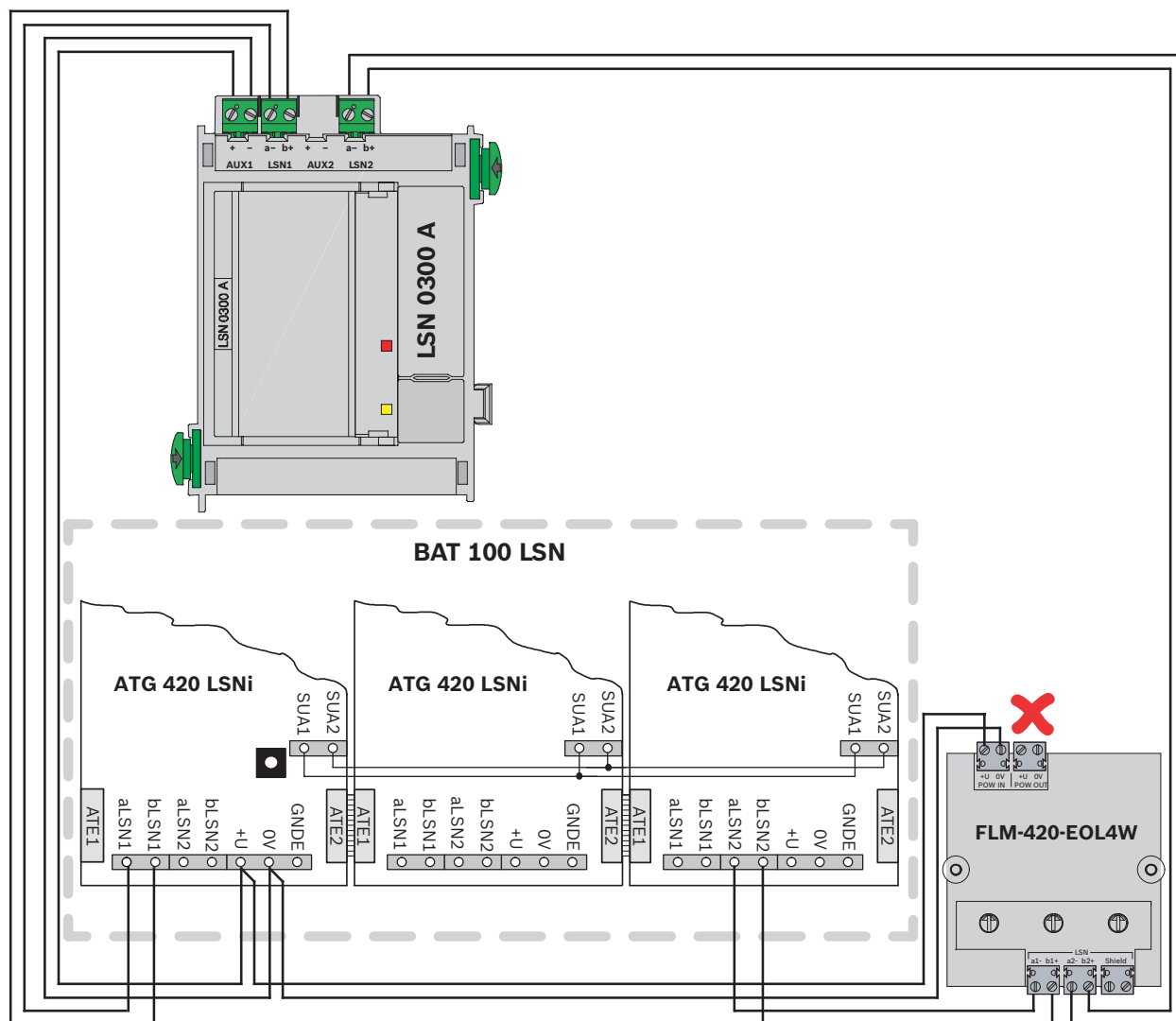




BAT 100 LSN
ATG 420 LSNi

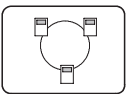


ELS VdS 2489

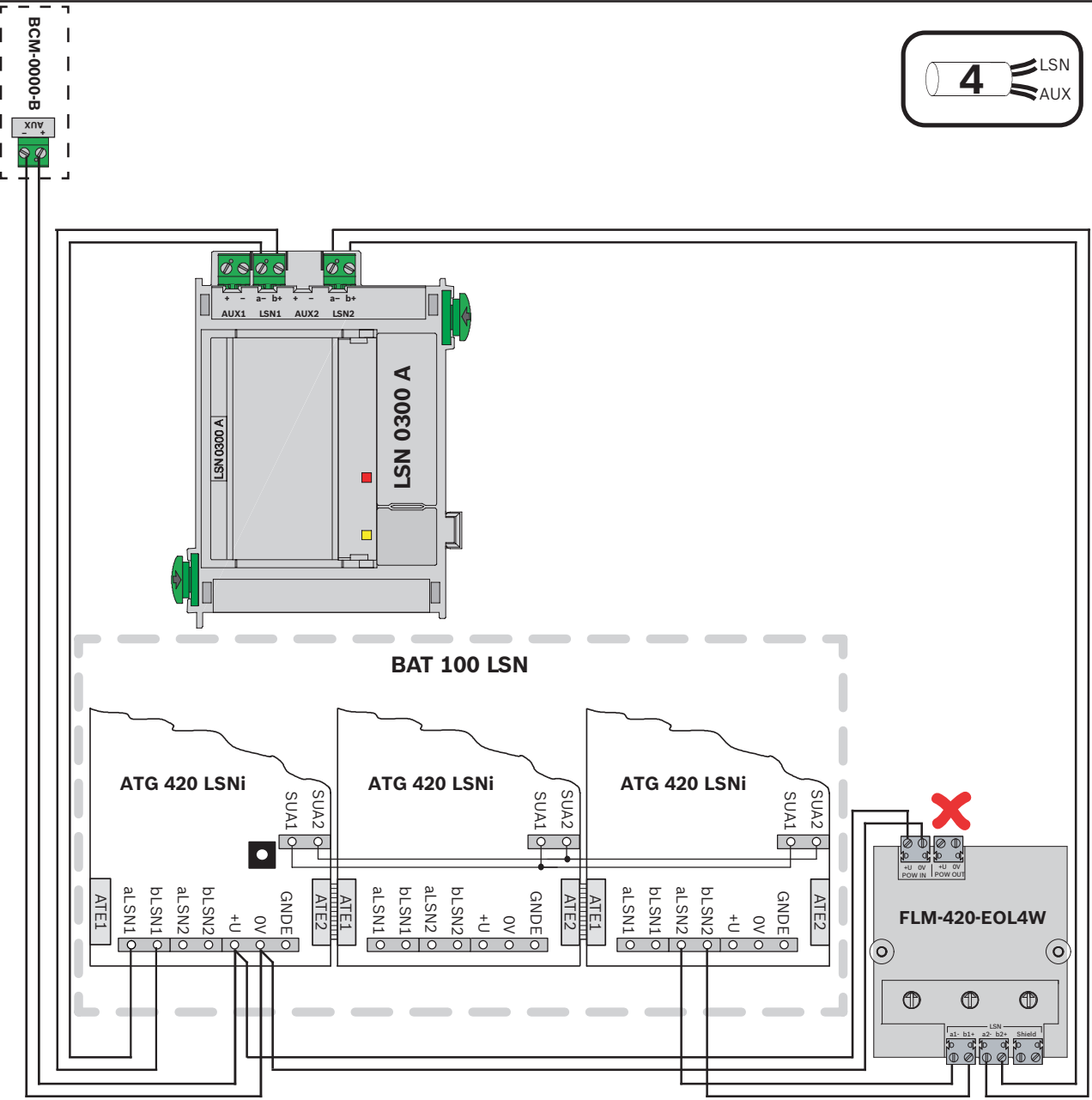
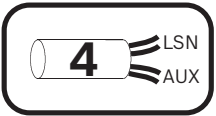


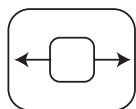
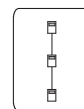
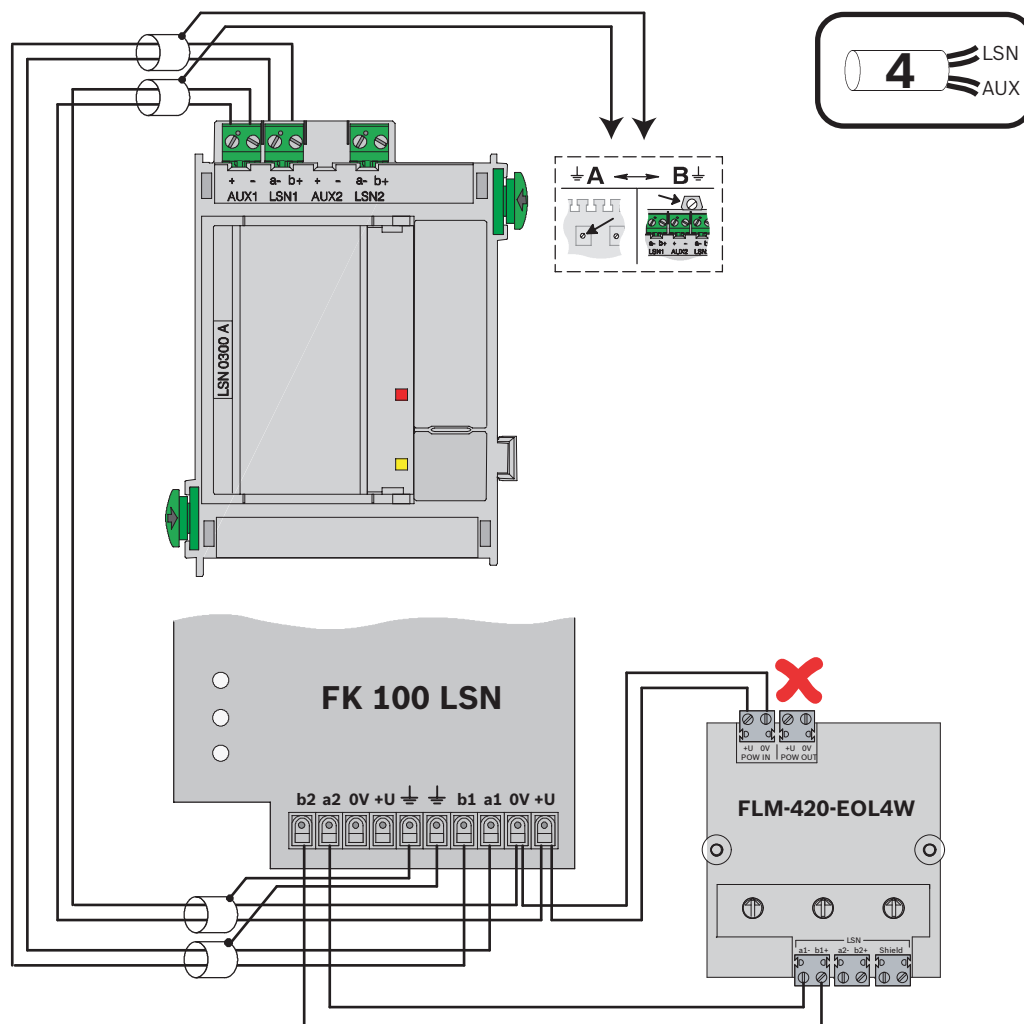
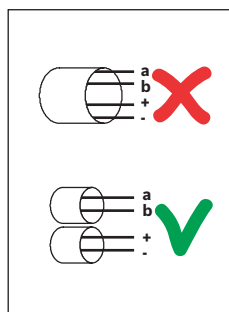


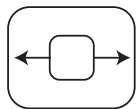
BAT 100 LSN
ATG 420 LSNi



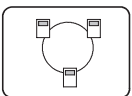
ELS VdS 2489



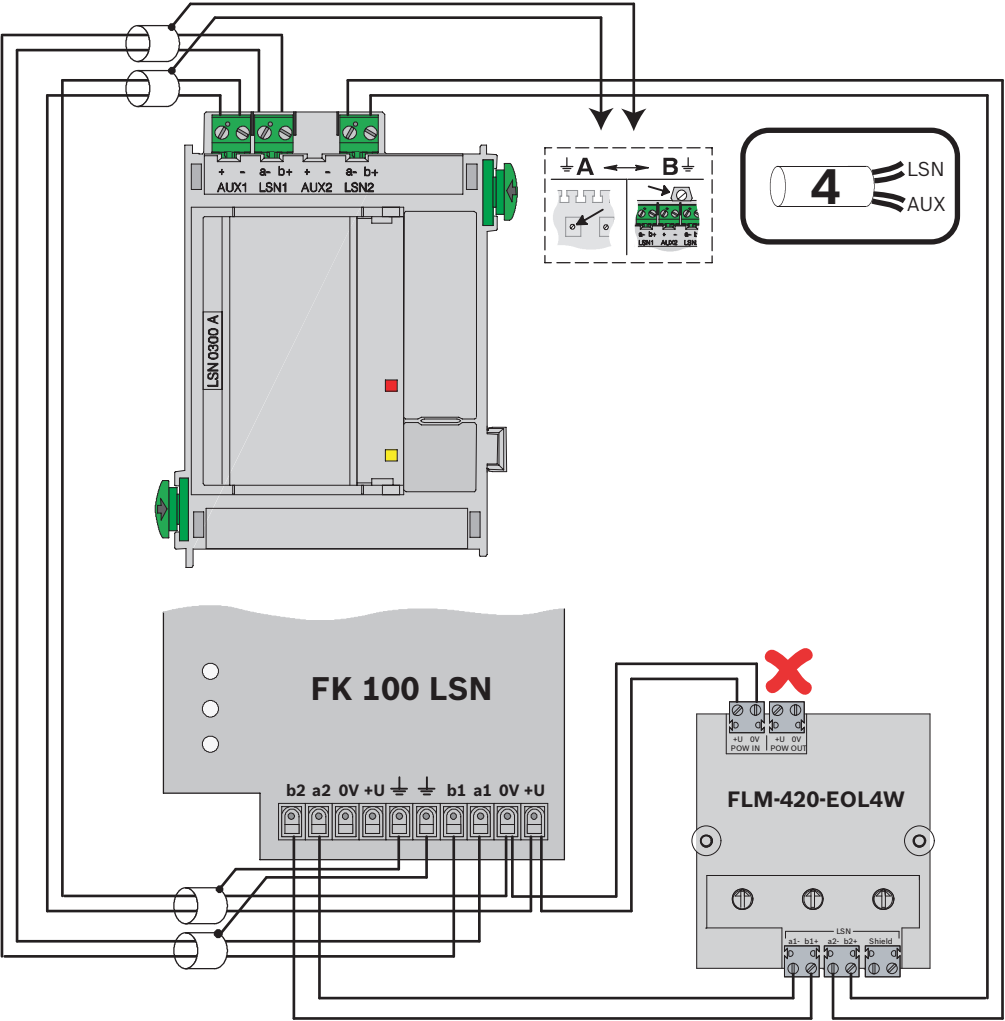
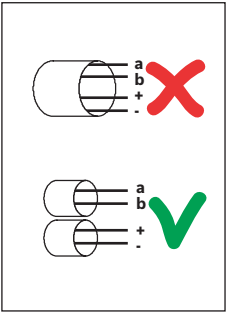
**FK 100 LSN****ELS VdS 2489**



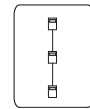
FK 100 LSN



ELS VdS 2489

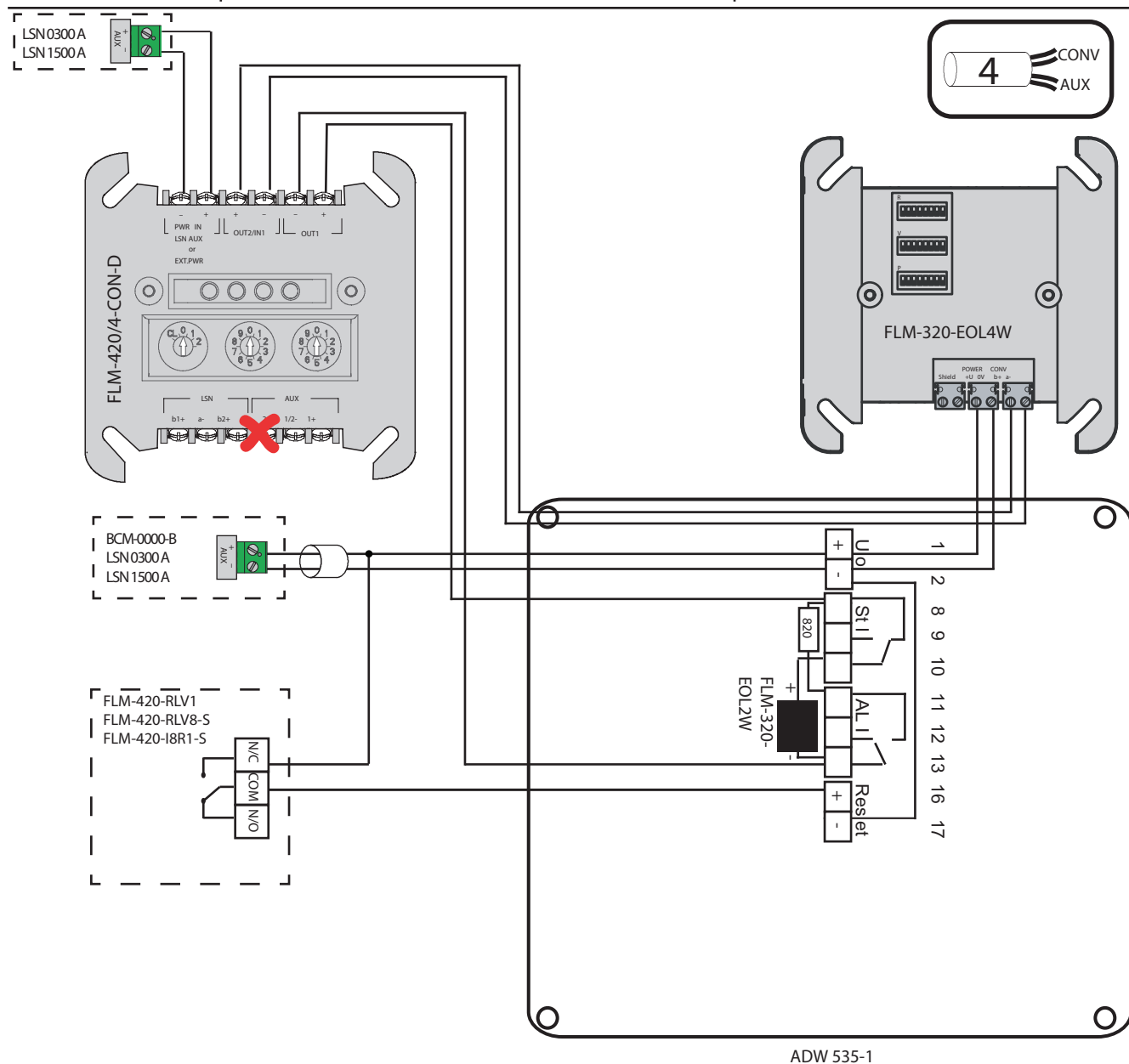


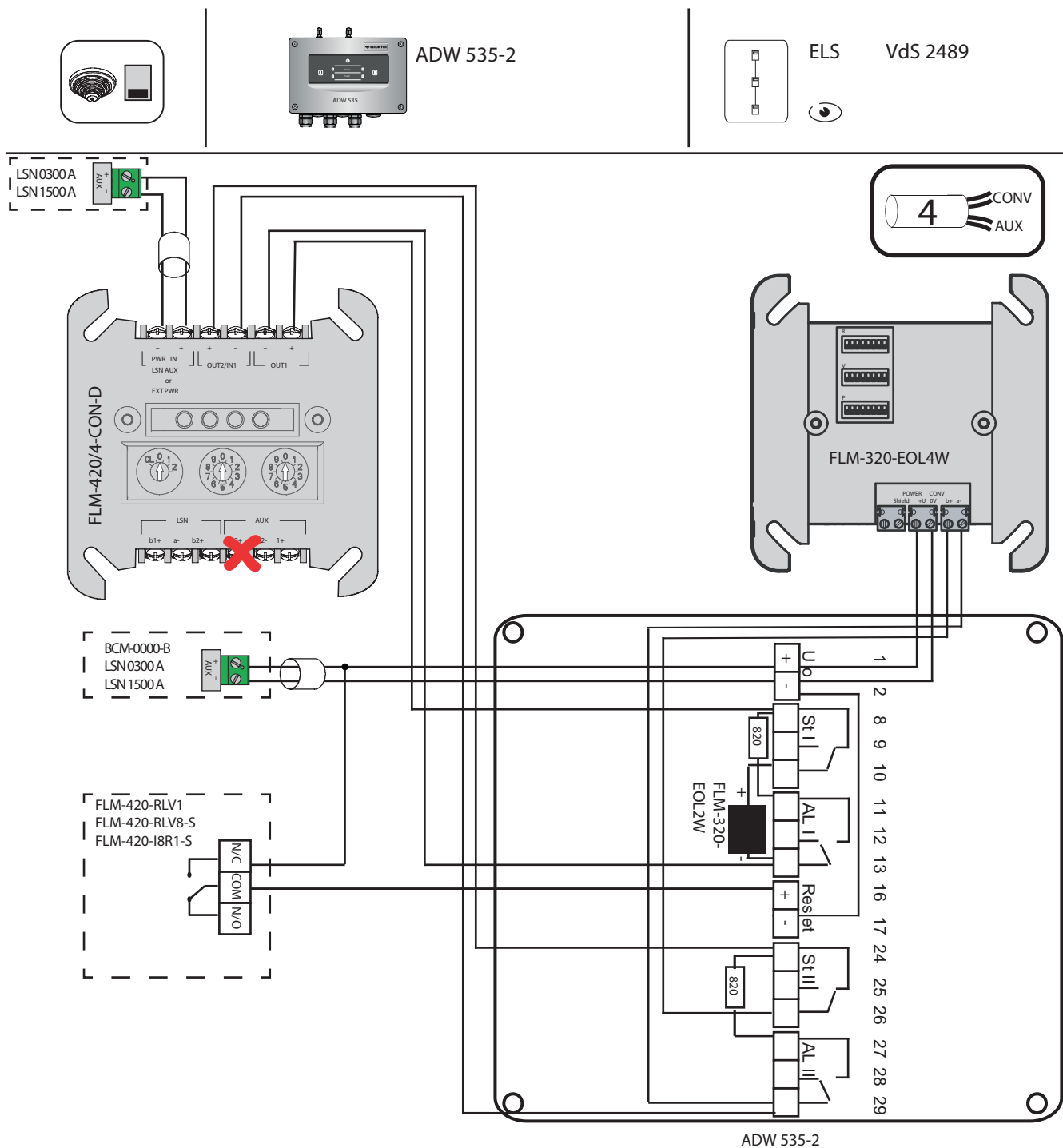
3.5.2 FLM-420/4-CON-S/D



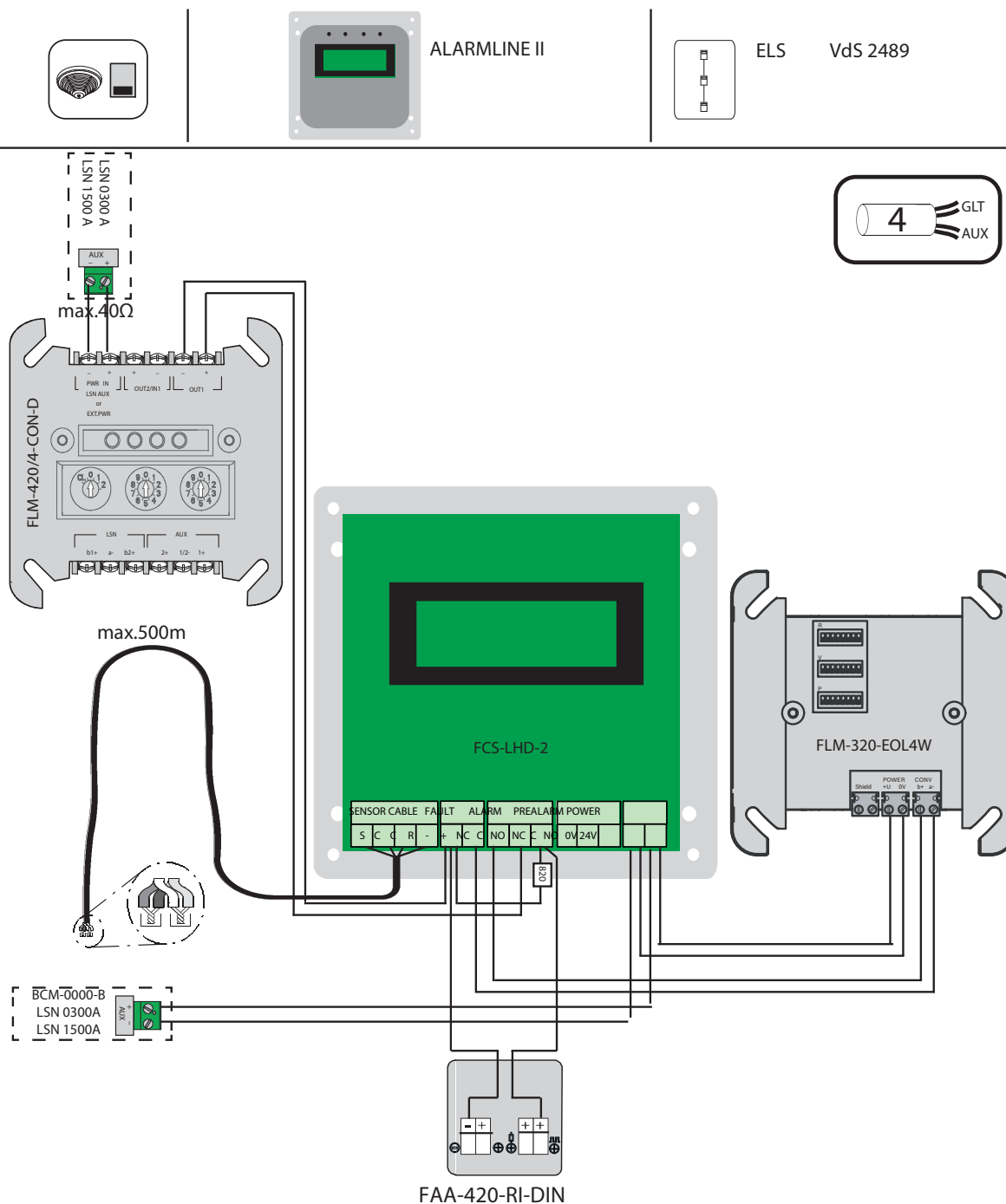
ELS

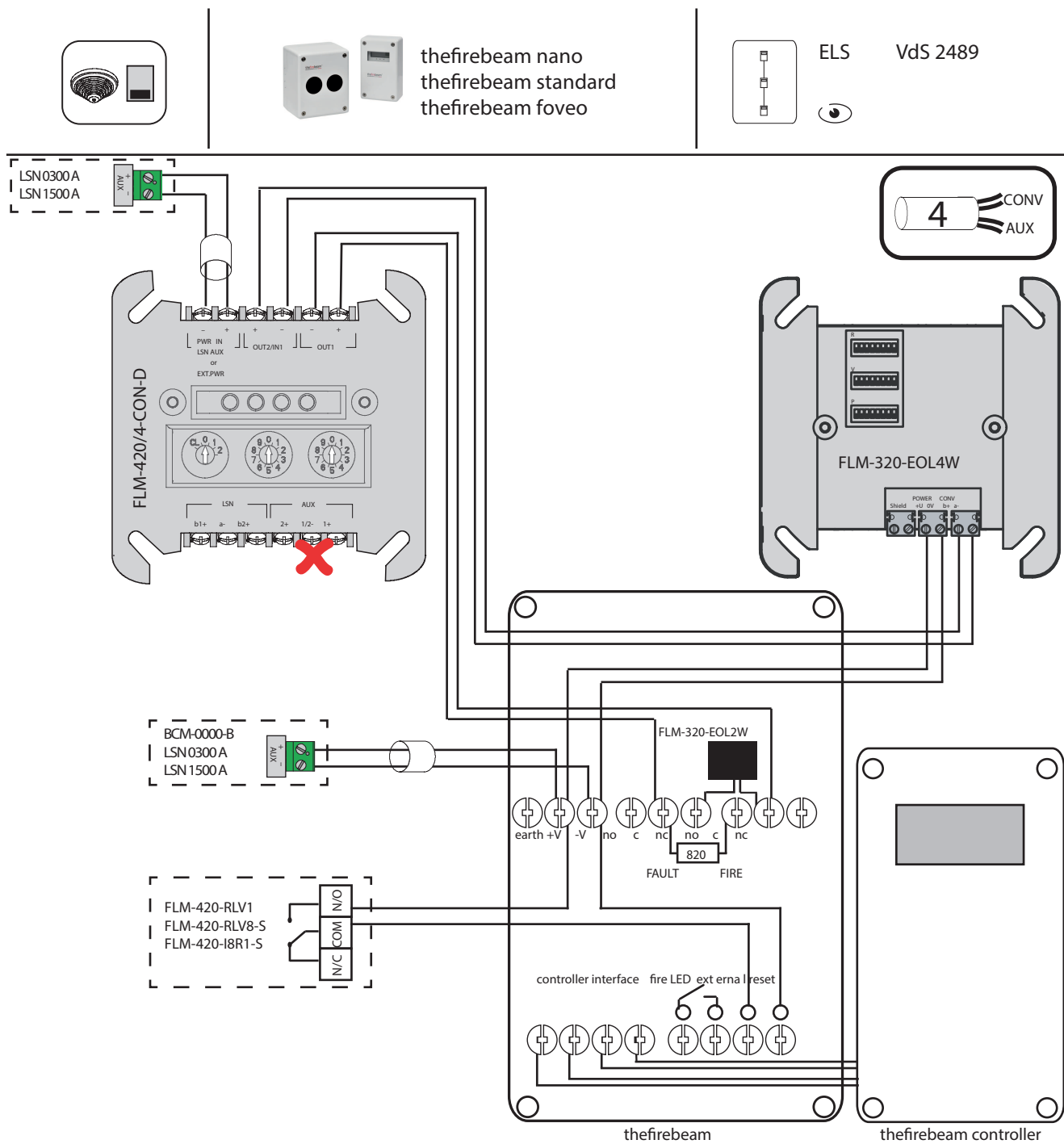
VdS 2489

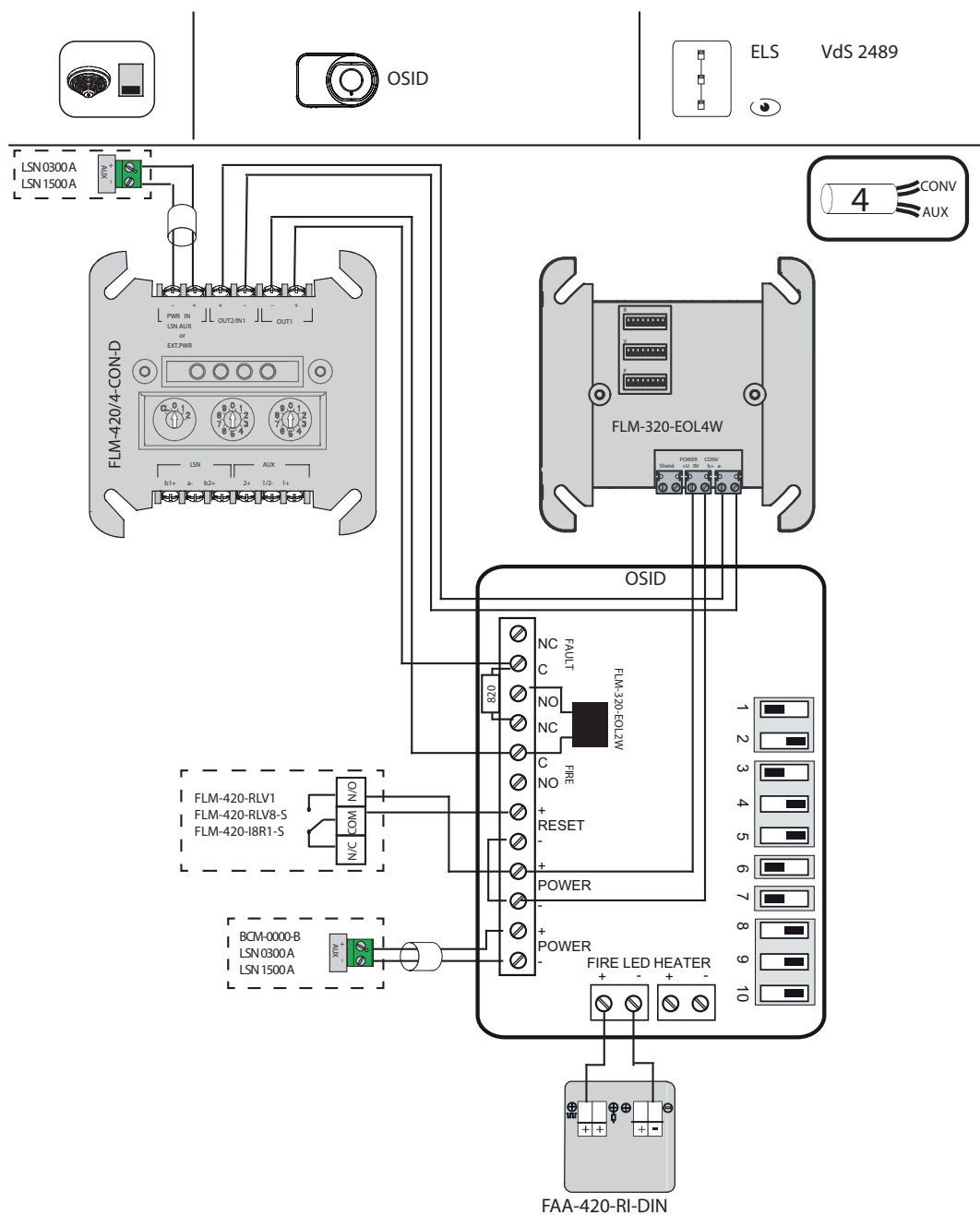


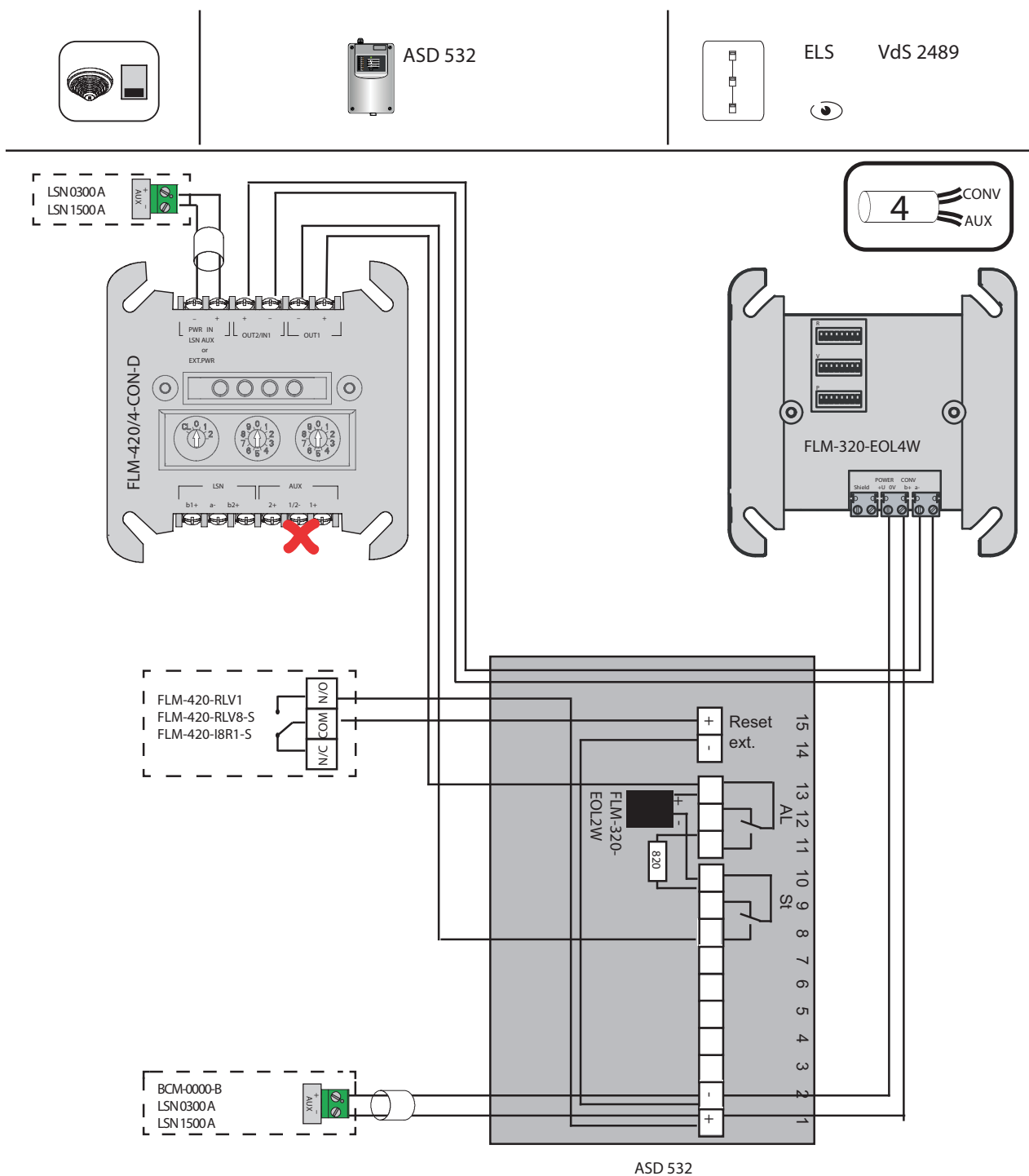


ADW 535-2



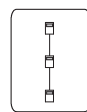






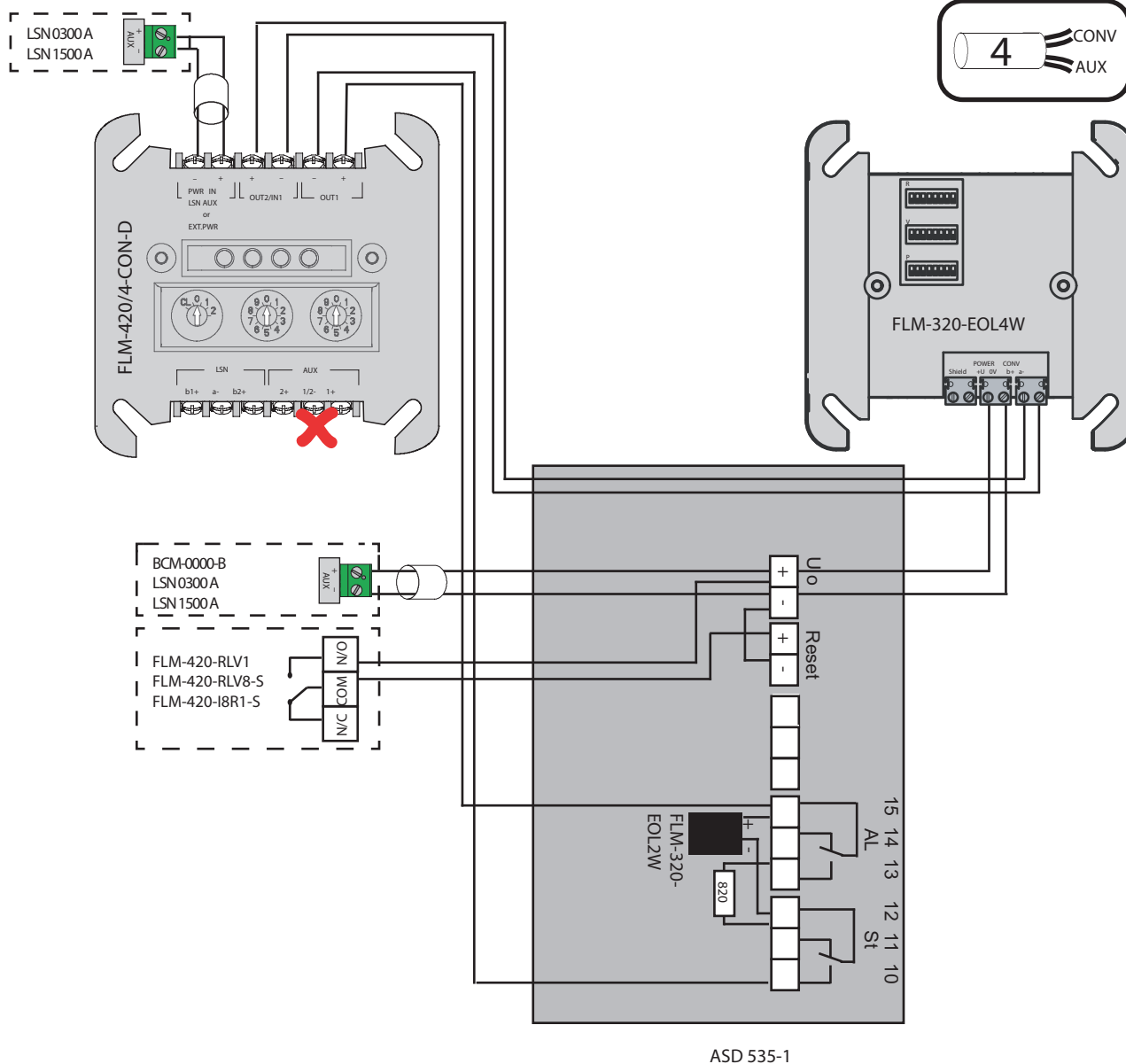


ASD 535-1



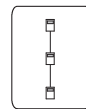
ELS

VdS 2489



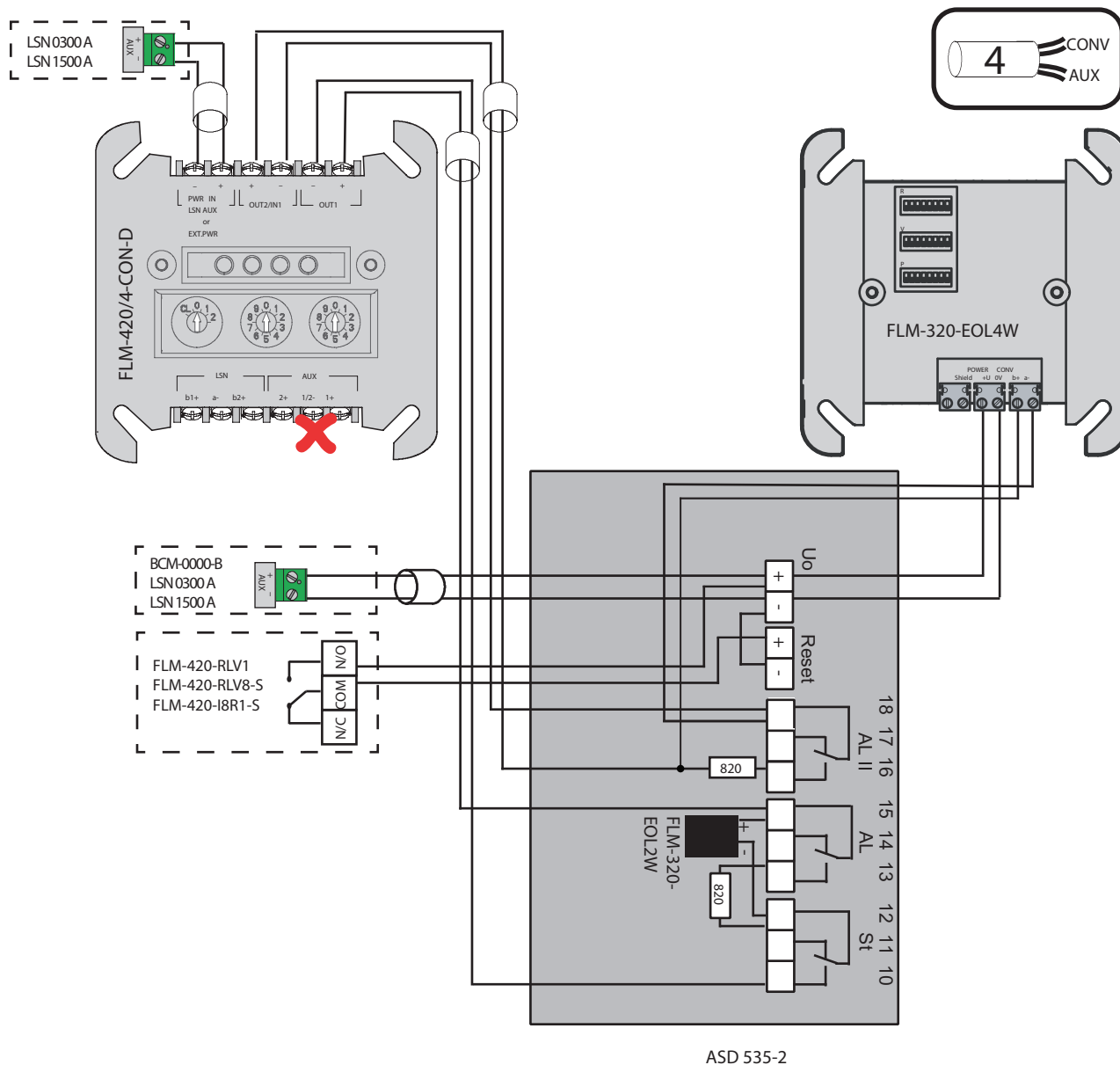


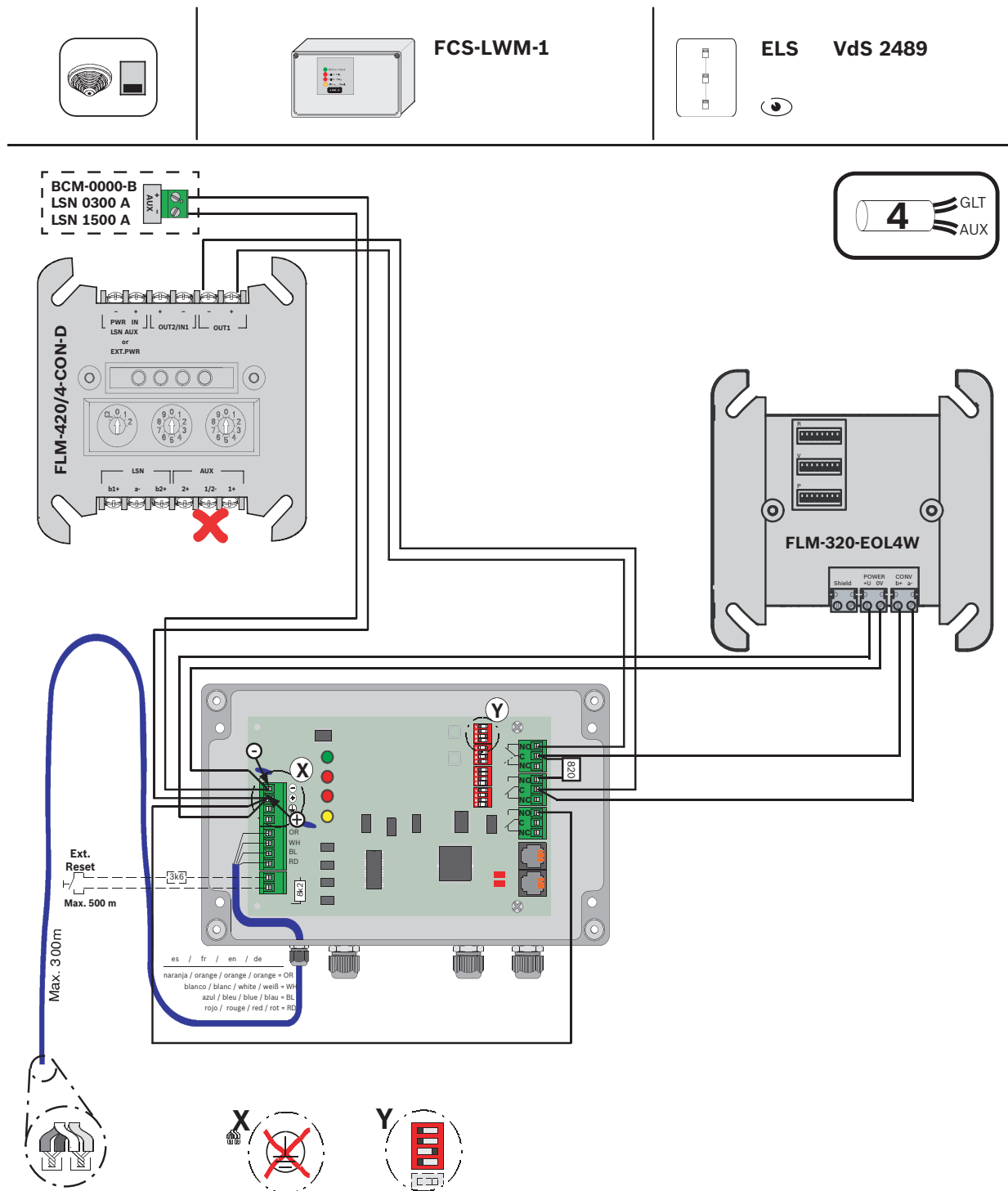
ASD 535-2

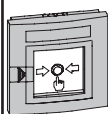
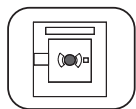


ELS

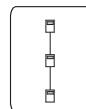
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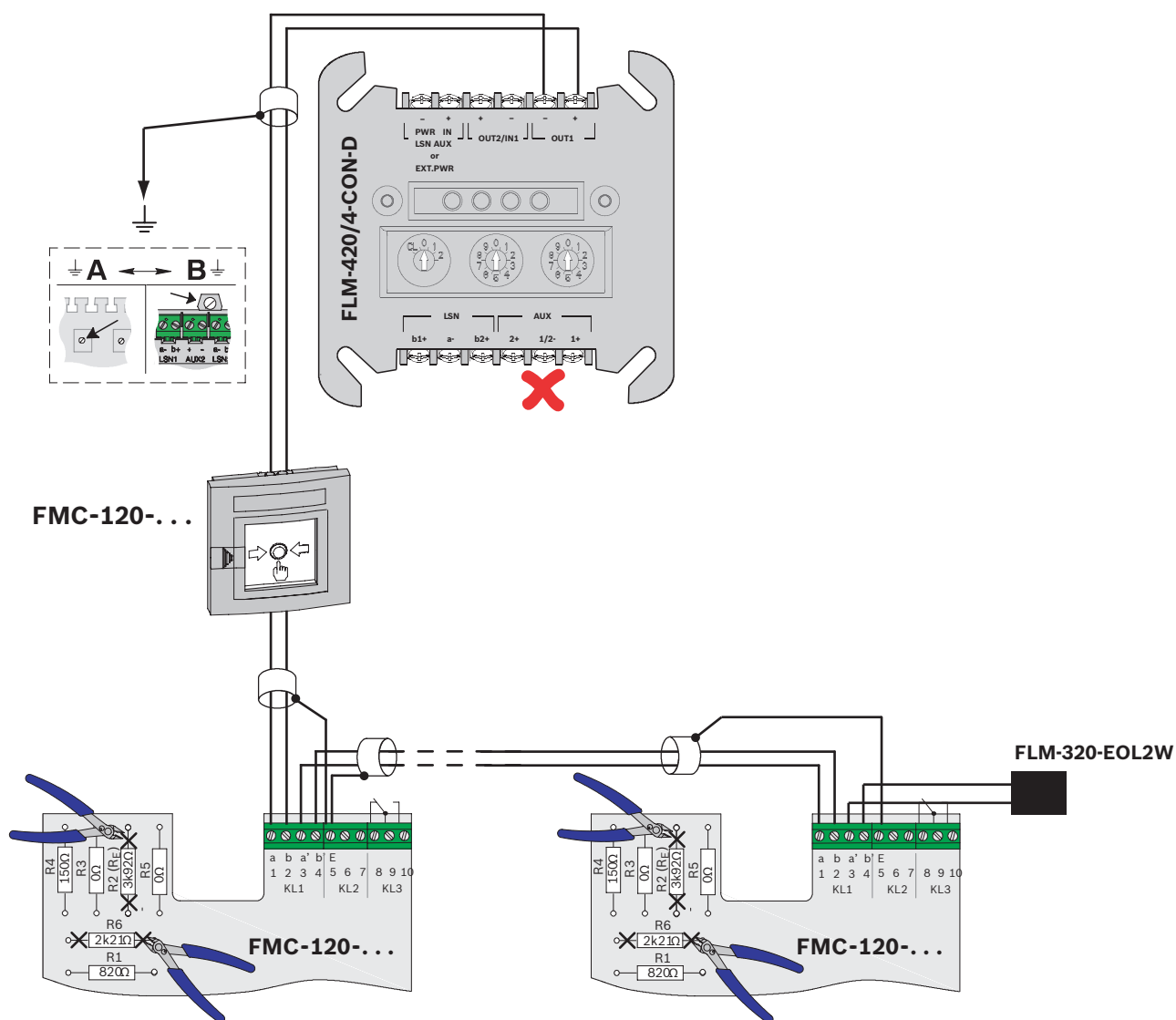


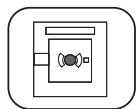
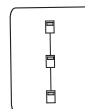
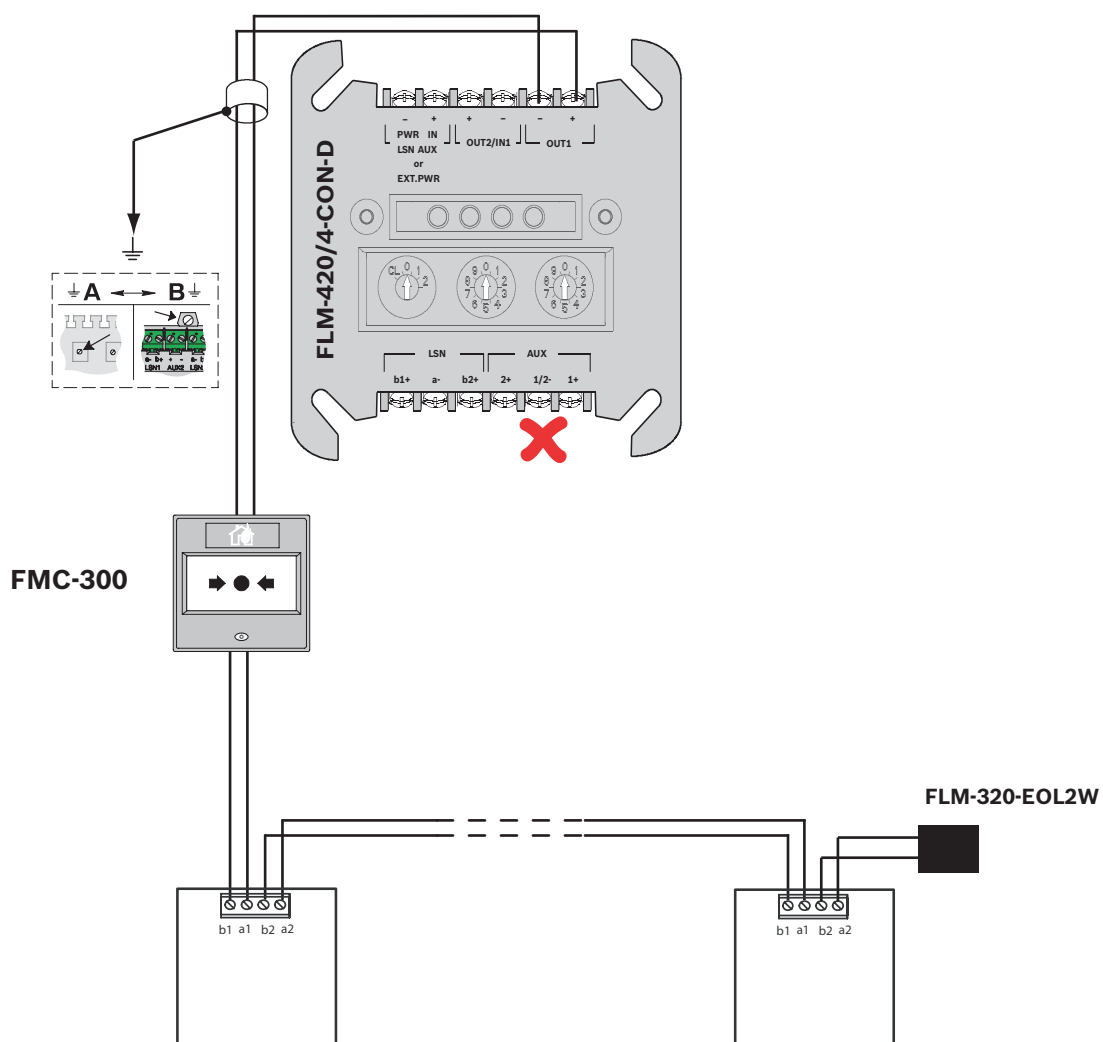


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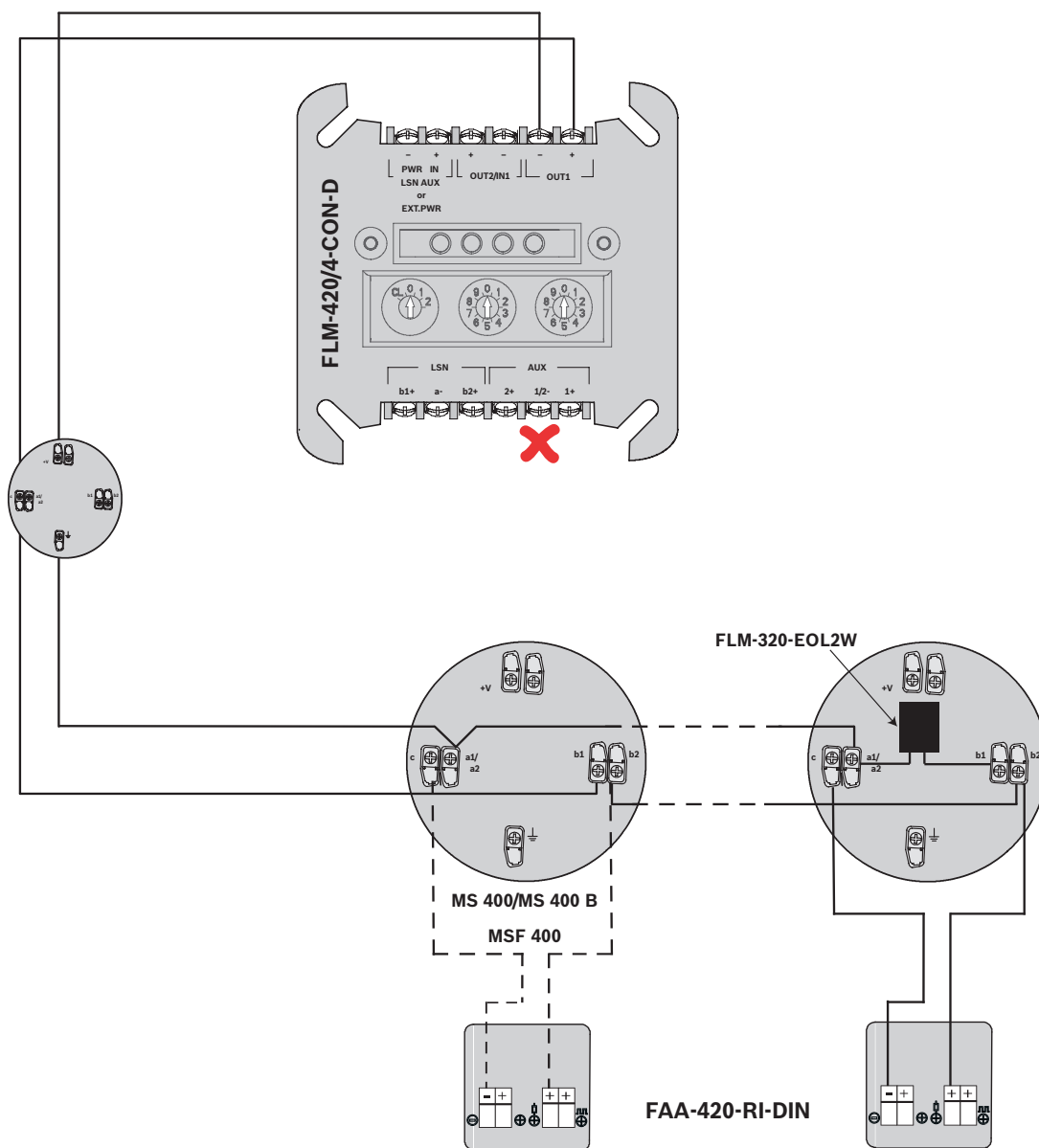
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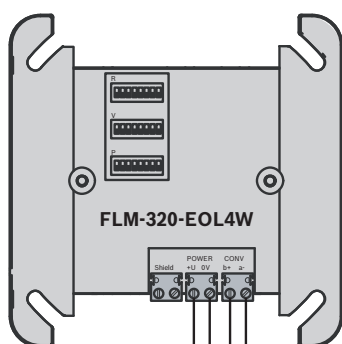
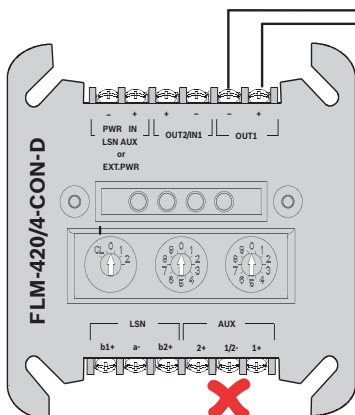
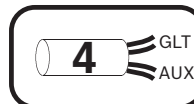
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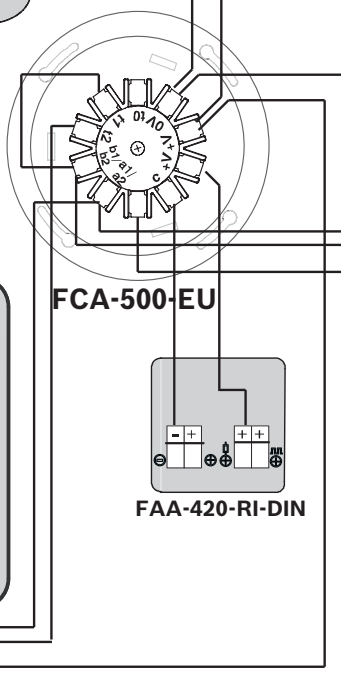
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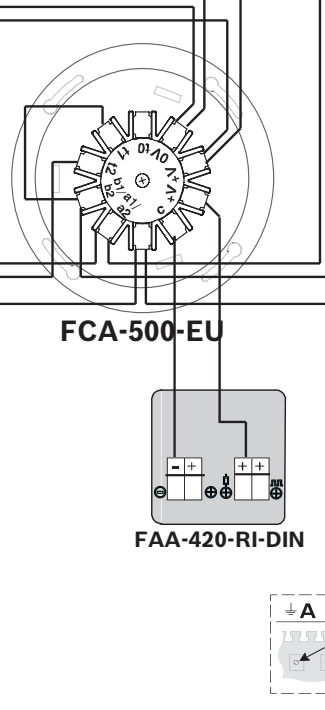


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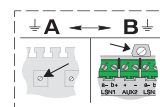


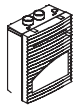
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FAA-420-RI-DIN





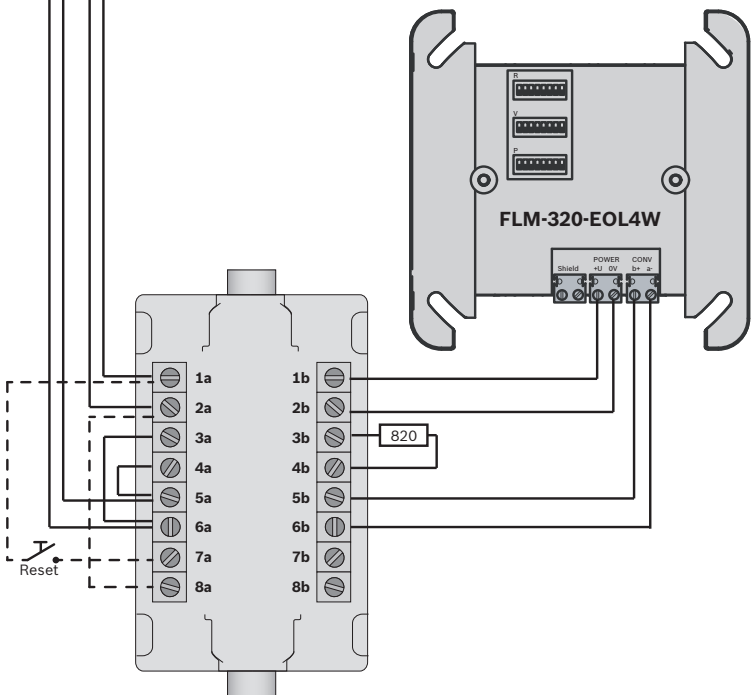
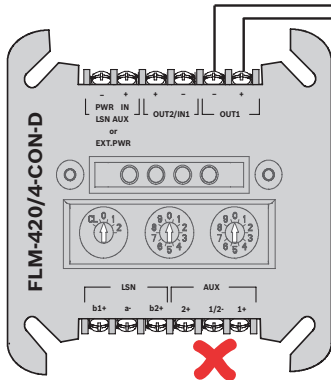
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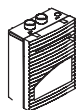


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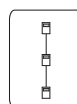


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LSN 0300 A
LSN 1500 A





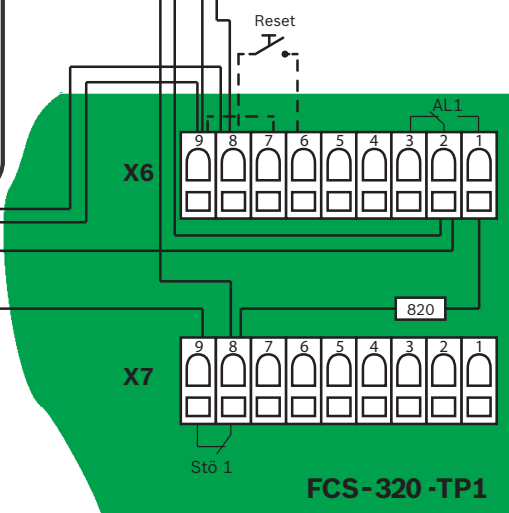
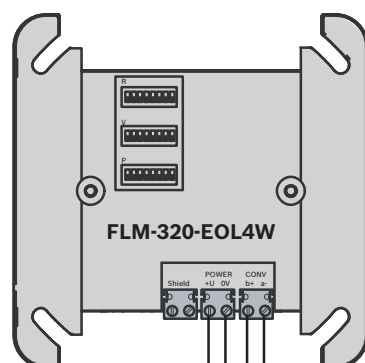
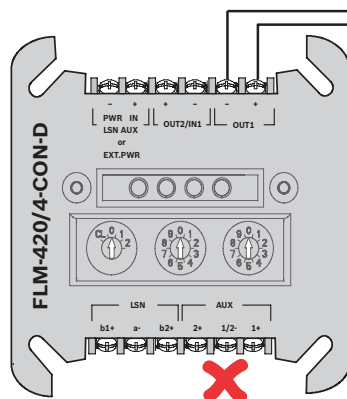
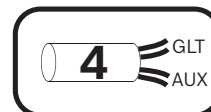
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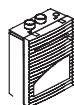


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BCM-0000-B
LSN 0300 A
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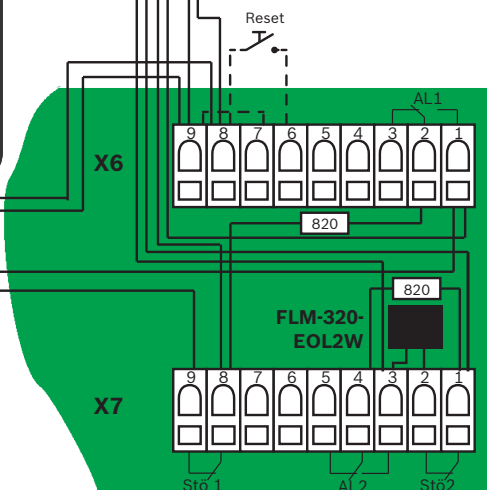
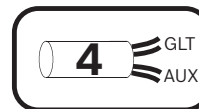
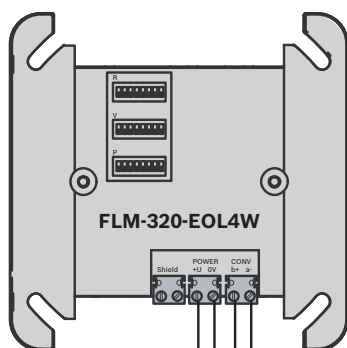
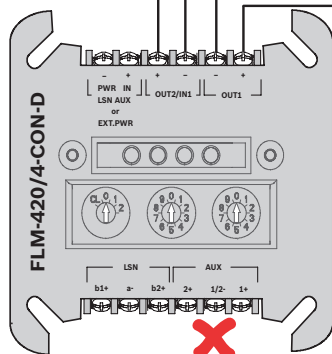
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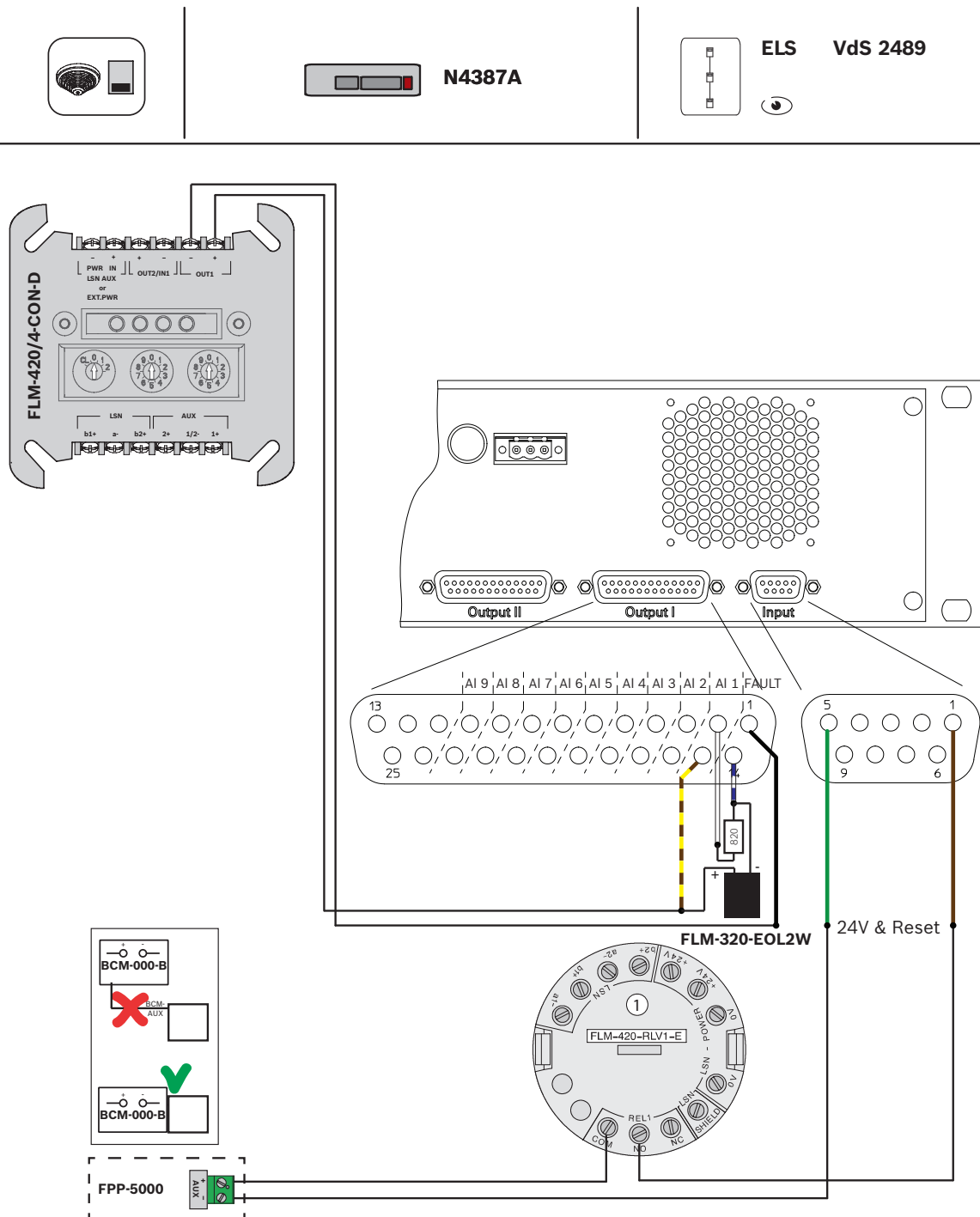
ELS VdS 2489

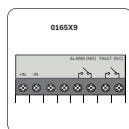


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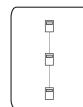


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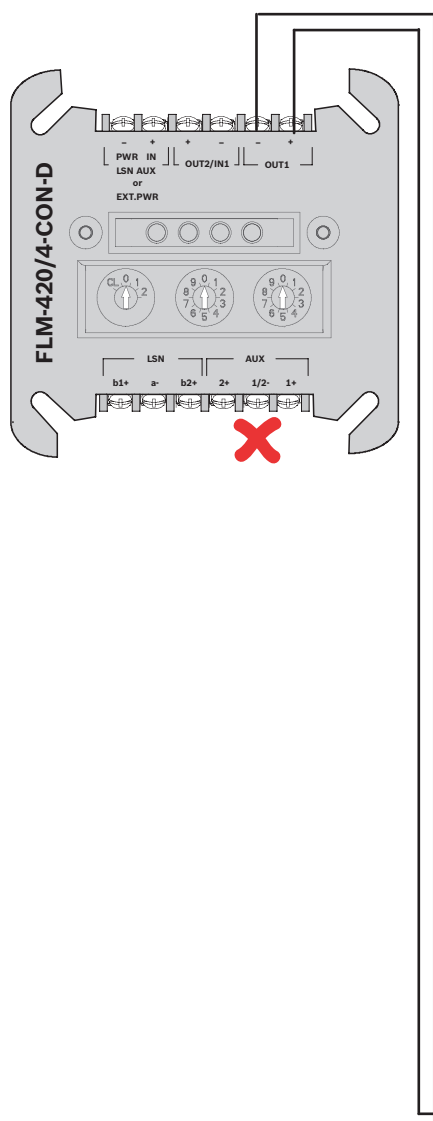




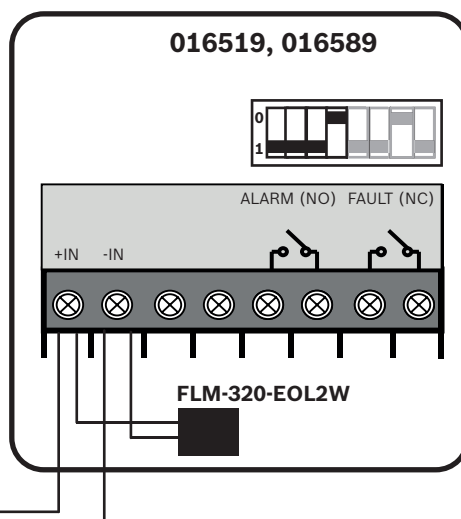
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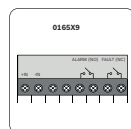


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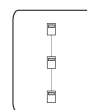


max. 1 x 0165X9

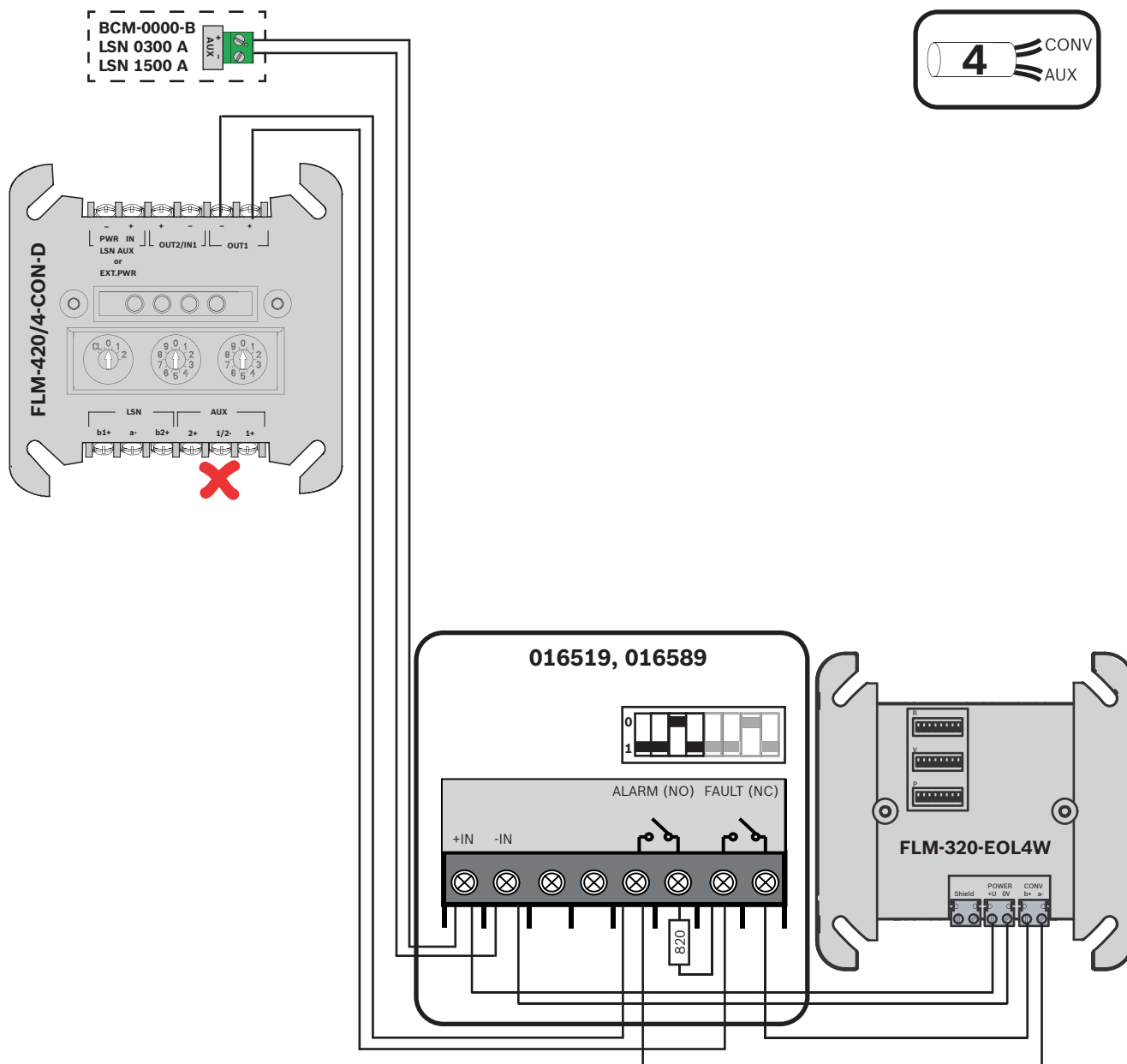


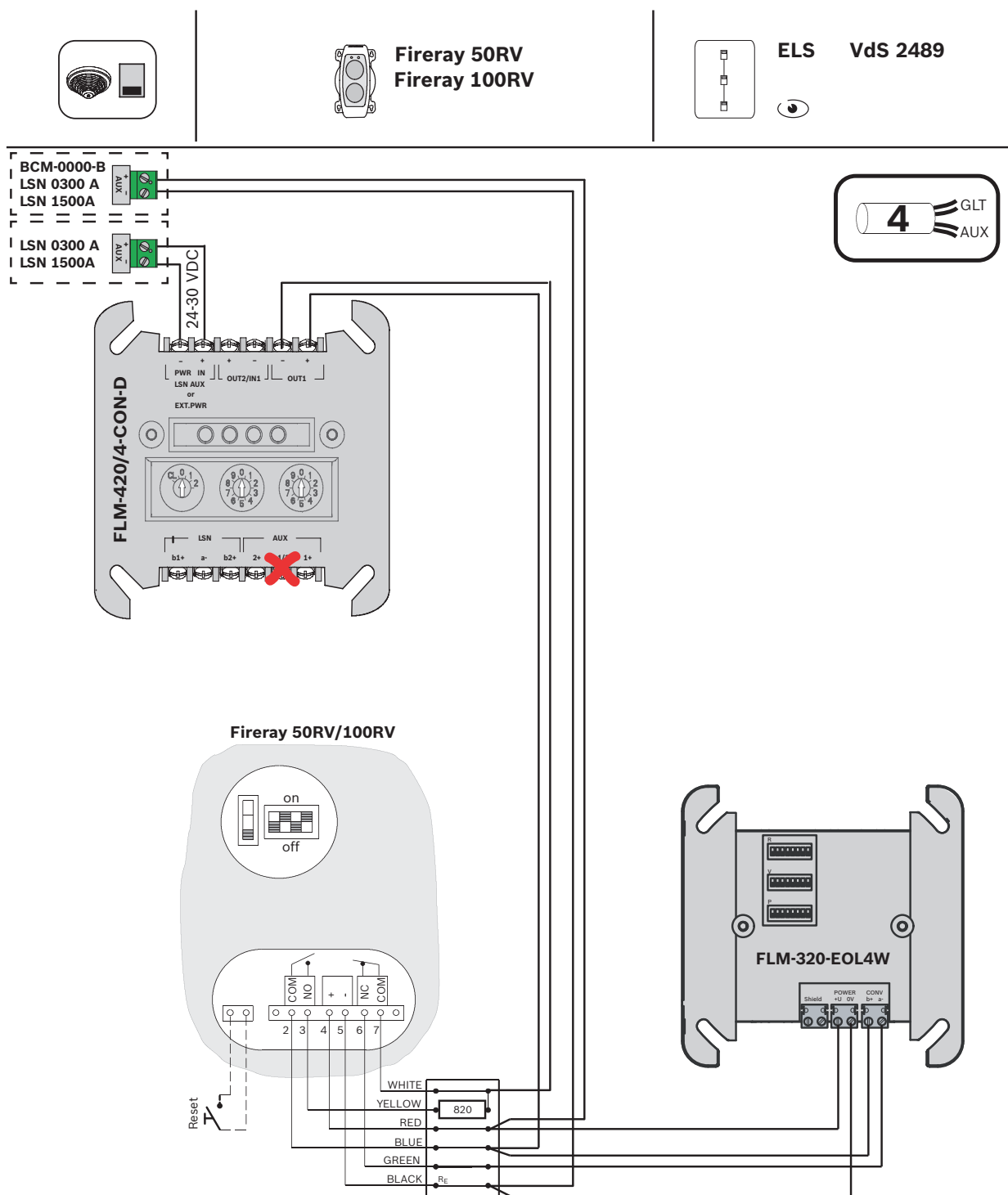


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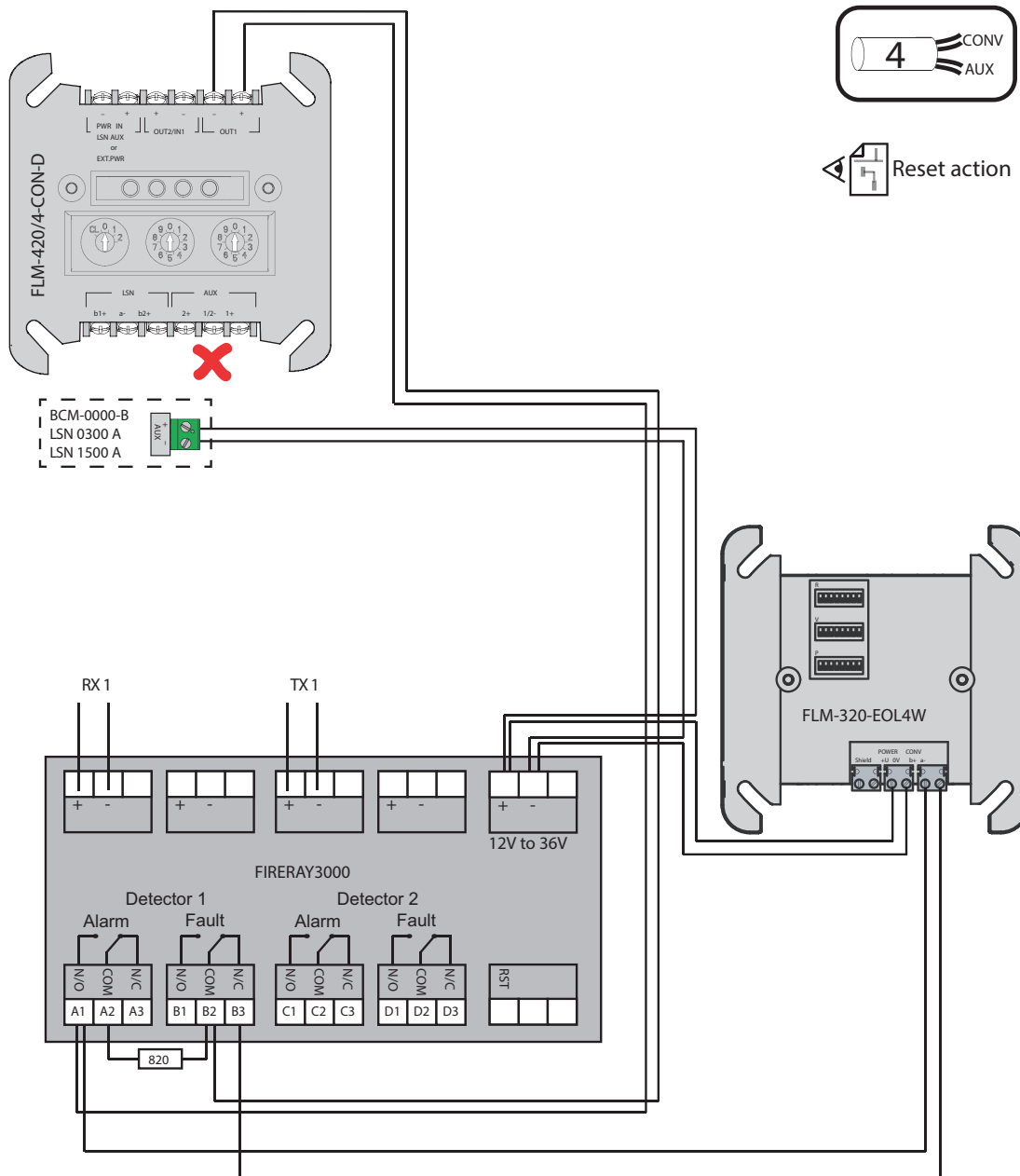
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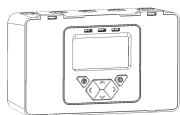
1 x



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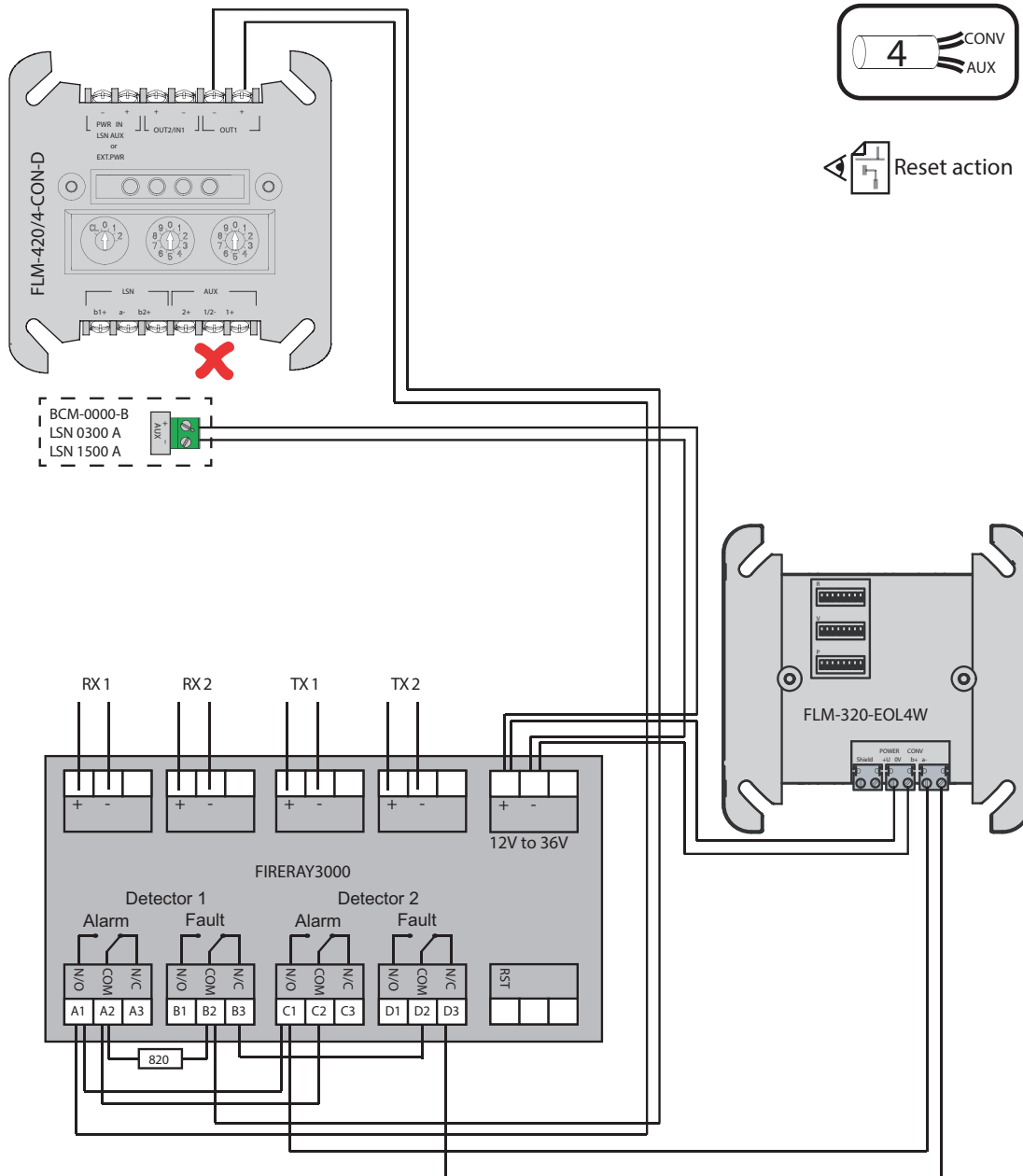
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2 x 1



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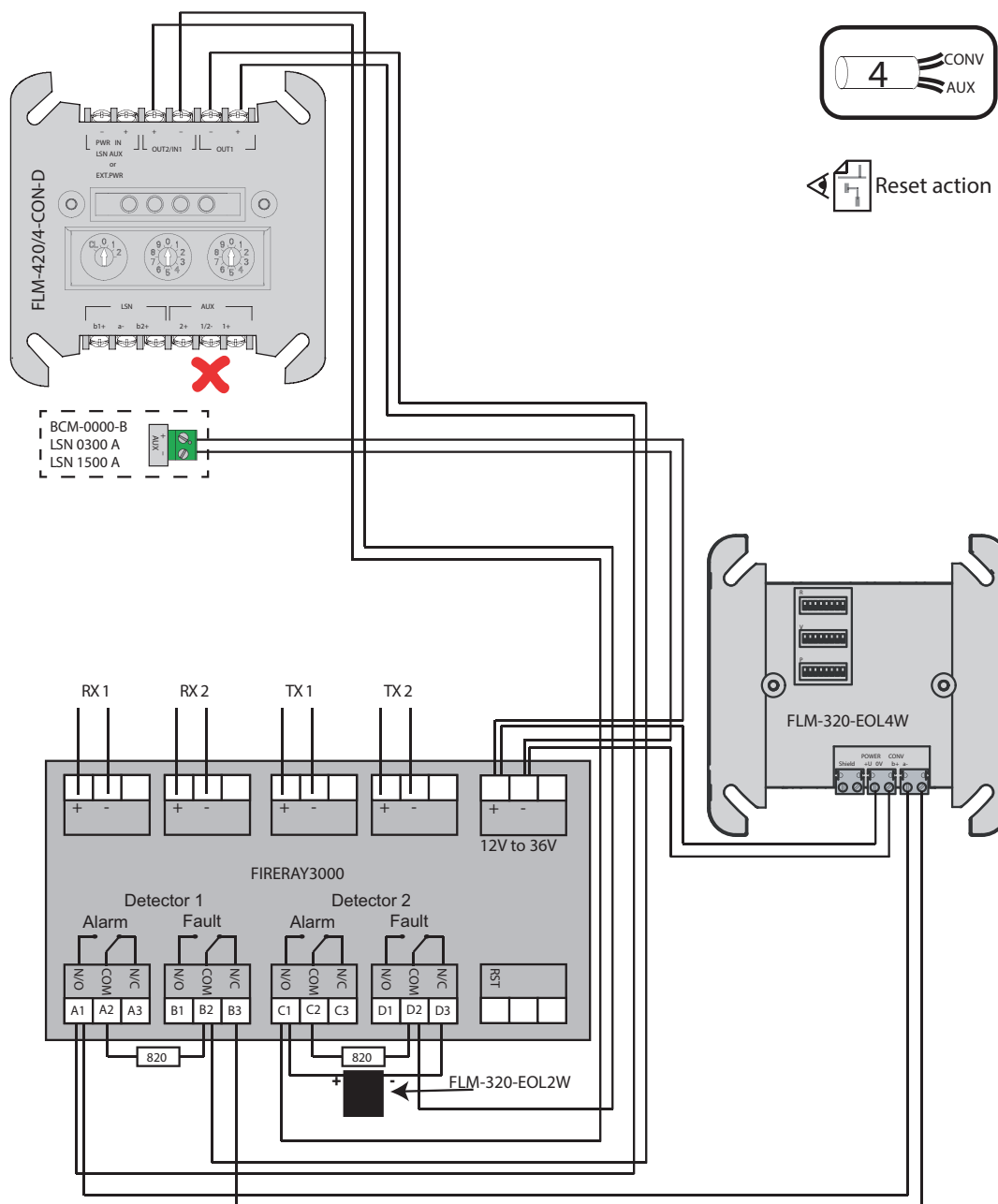
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2 x 1+2



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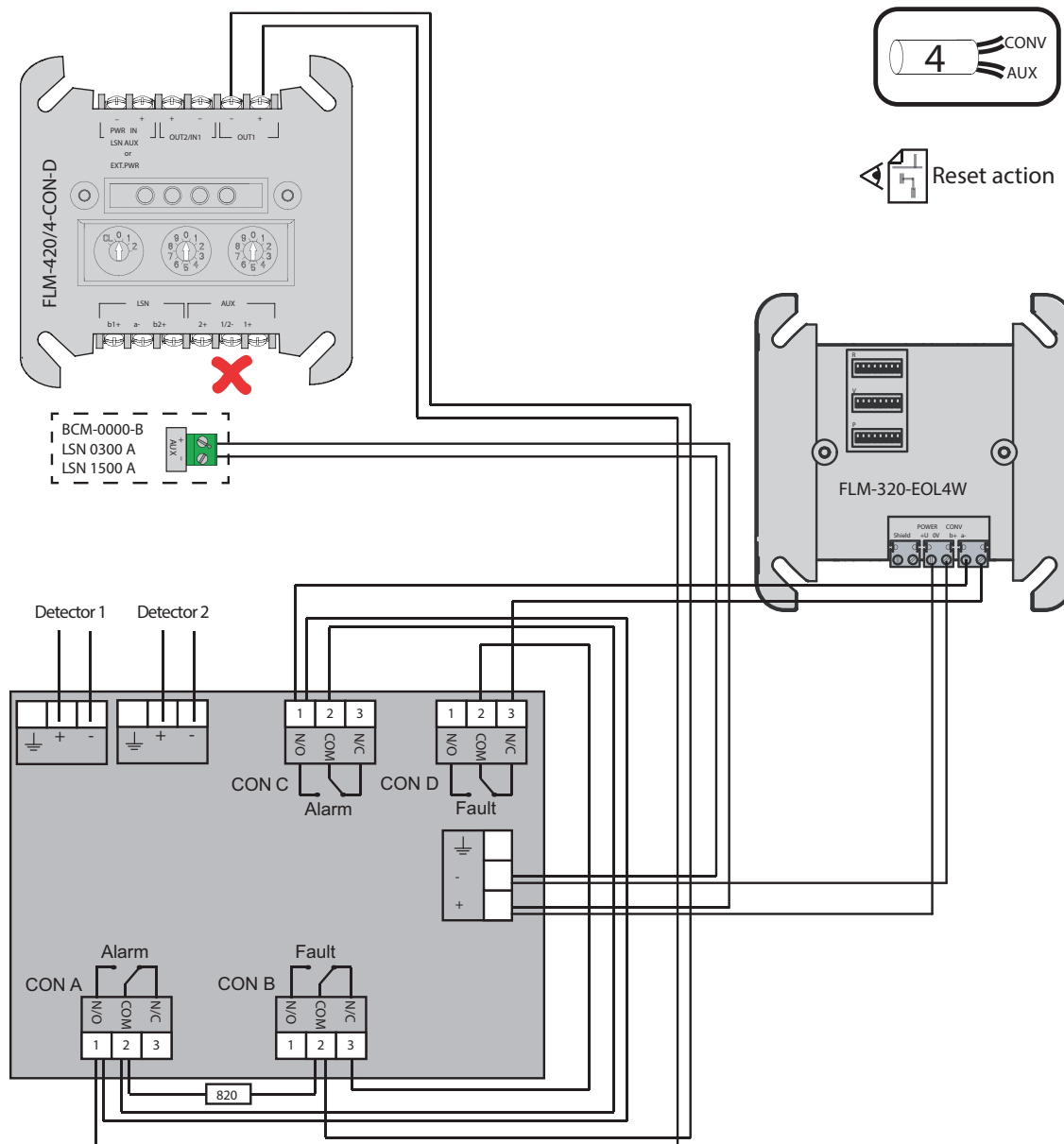
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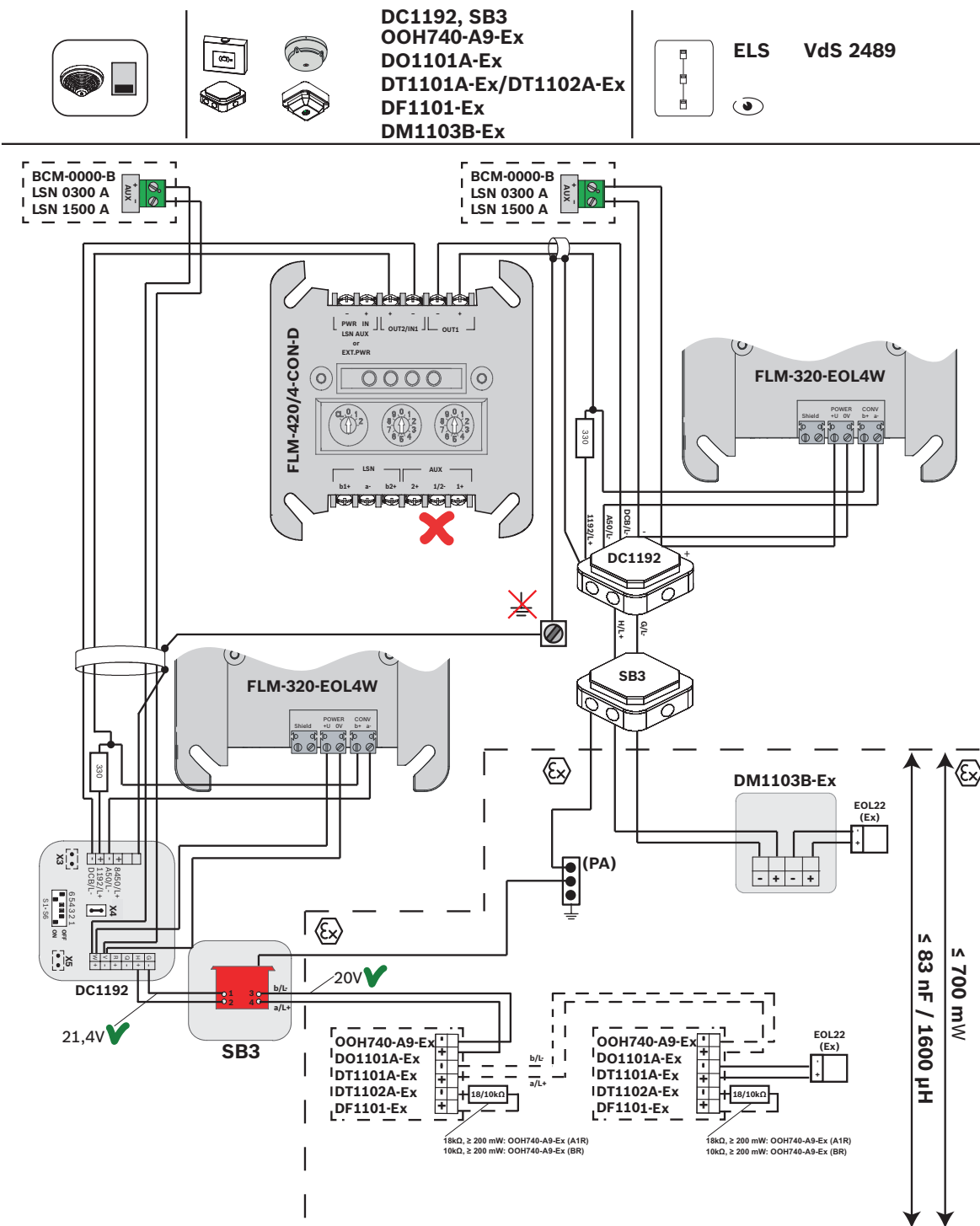
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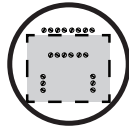


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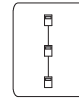
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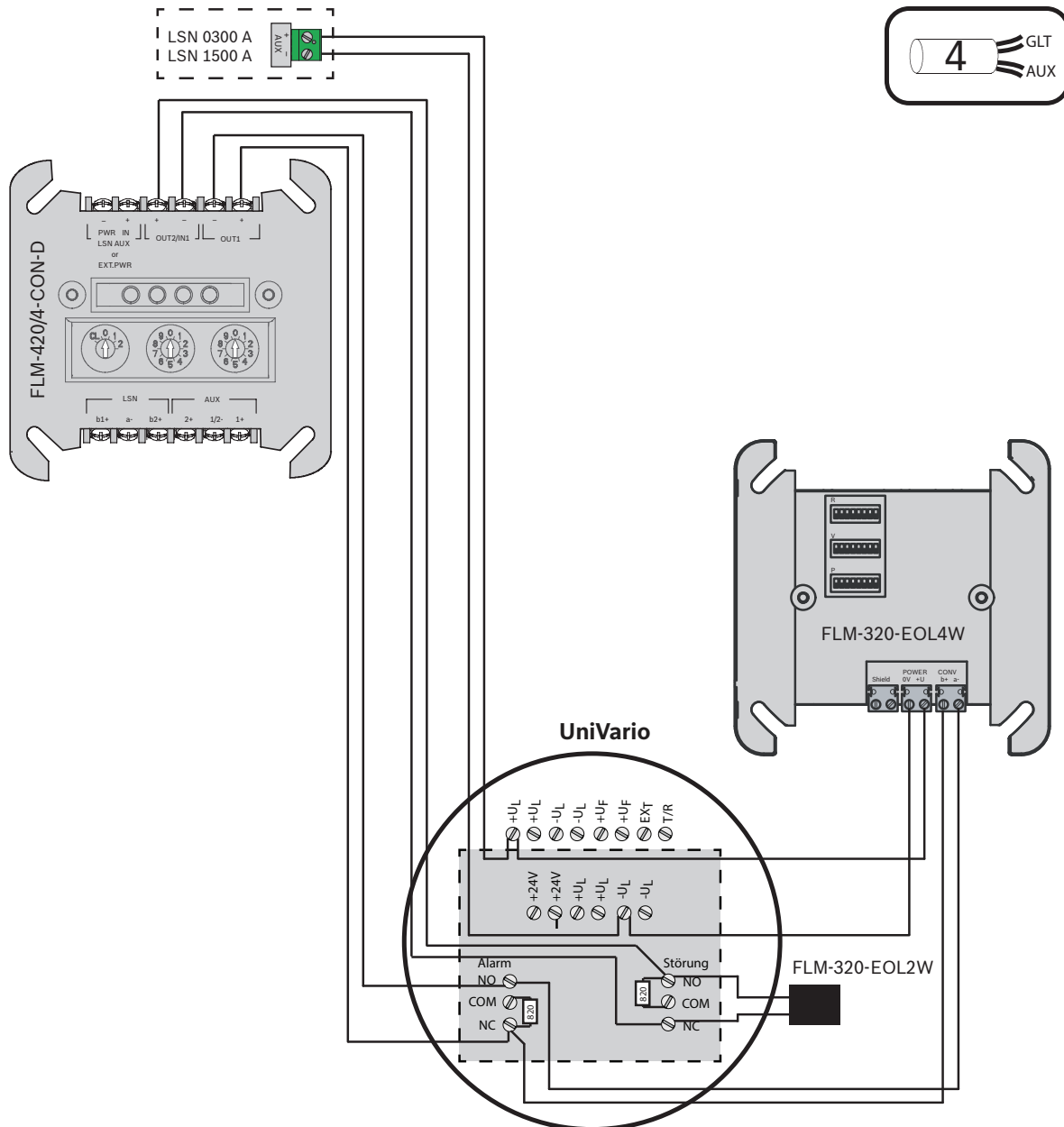




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