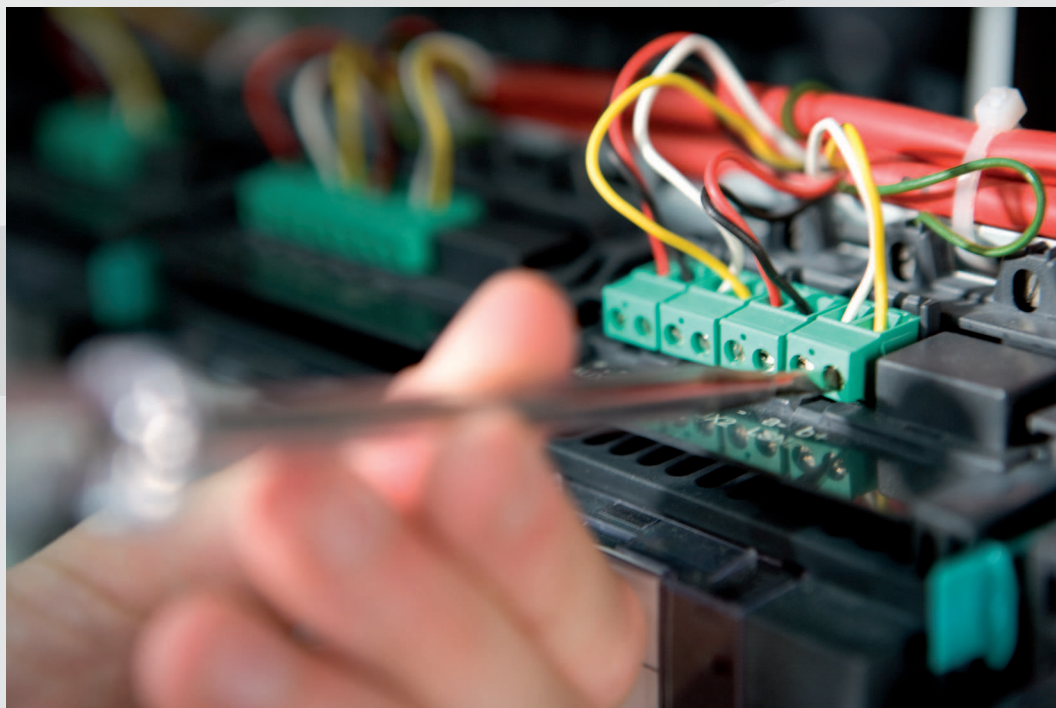


Upravljačka ploča sustava za dojavu požara

FPA-5000



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1

1.1

History

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 Napomene

2.1 Sadržaj

Ovaj priručnik za spajanje električnih instalacija opisuje spajanje perifernih uređaja na upravljačku ploču za dojavu požara.

Periferni uređaji koji više nisu dio asortimana proizvoda nalaze se u odjeljku "Part 2 - Discontinued Products" ovih uputa za spajanje.

**Alarm obavijesti!**

Spajanje prikazano u ovom dokumentu vrijedi i za upravljačku ploču FPA-1200 sustava za dojavu požara, pod uvjetom da su pojedinačne komponente odobrene od strane tvrtke Bosch Sicherheitssysteme GmbH kao dodaci, tj. proširenja za upravljačku ploču FPA-1200 sustava za dojavu požara.

**Alarm obavijesti!**

Priključci LSN 0300 A navedeni u ovom dokumentu odnose se i na modul LSN 1500 A.

2.2 Informacije o proizvodu

- U priloženom priručniku za instalaciju naći ćete upute za instaliranje pojedinačnih komponenti upravljačke ploče za dojavu požara.

2.3 Važne napomene

- Koristite isključivo materijale za instalaciju koje je preporučila tvrtka Bosch Security Systems.
- Preinake ili radove na postavljanju izvodite isključivo uz propisno uzemljenje pomoću zaštitne vodljive narukvice.
- Sastavljanje i postavljanje smije izvoditi samo stručno osoblje.
- Pridržavajte se lokalnih propisa i zakona o priključivanju.

**Alarm opasnosti!**

Dodirivanje komponenata pod naponom može imati smrtne posljedice.
Obavezno isključite napajanje prije izvođenja instalacije.

**Alarm obavijesti!**

Ako je potrebno spojiti kabelsku zaštitnu žicu za kabel LSN-a, postupite u skladu sa specifikacijama LSN-a.

- Spojite zaštitu za kabel LSN-a na strani upravljačke ploče na odgovarajući funkcionalni priključak uzemljenja. Zaštita na objema stranama (početak i kraj) petlje mora biti spojena na upravljačku ploču
- Provucite kroz zaštitu za kabel na svim perifernim uređajima LSN-a pomoću priloženih priključaka
- Nije dopušteno nikakvo dodatno priključivanje zaštite za kabel LSN-a, ni na priključke uzemljenja na bilo kojoj lokaciji ni na drugi električni potencijal

2.4 Napomene za korisnika

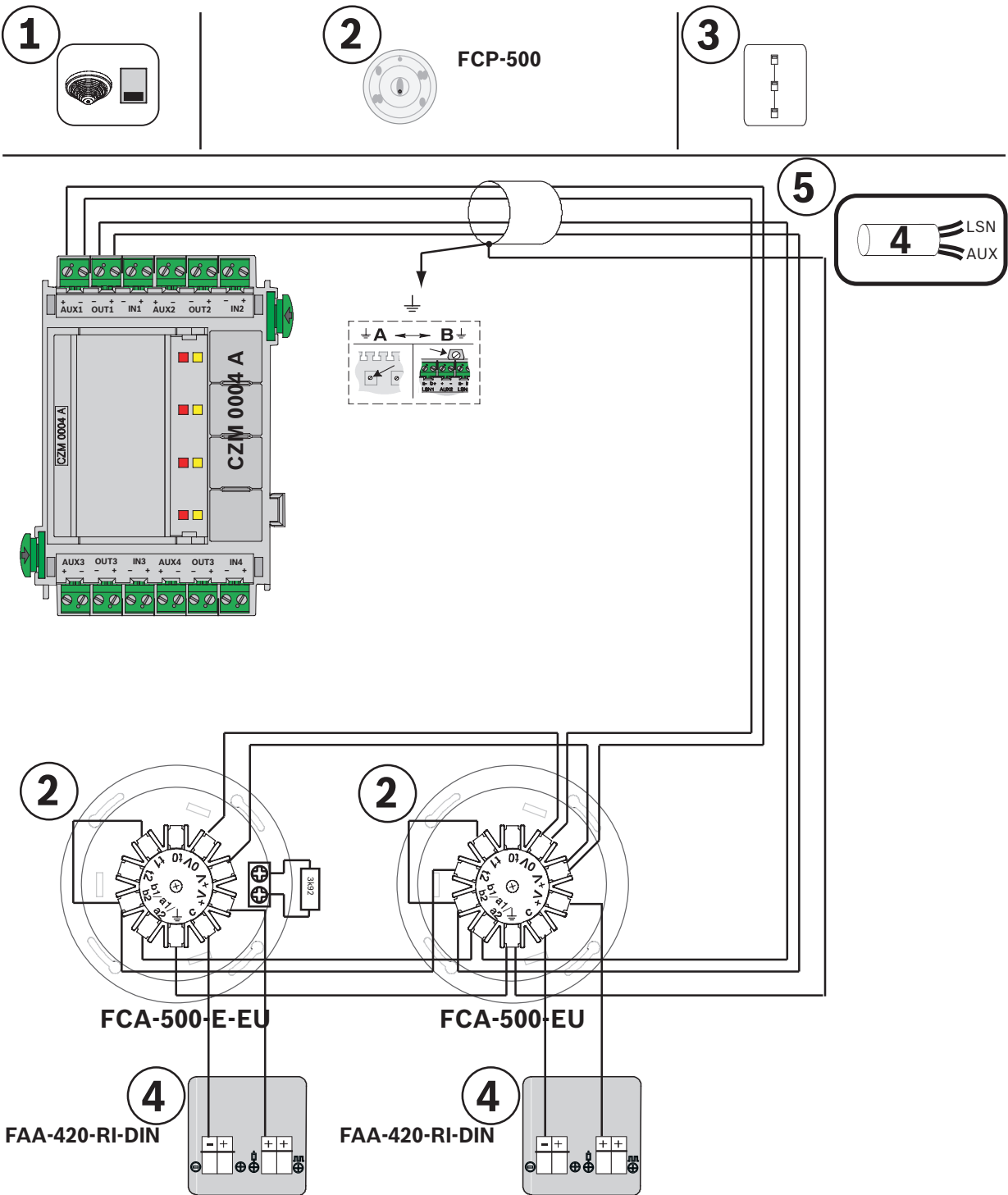
Upute za spajanje strukturirane su na sljedeći način:

- Poglavlje *Ožičenje, stranica 18* sortirano je prema uređajima na koje je periferni uređaj spojen. Spojna shema prikazuje izravne veze od jednog uređaja do drugog (nema kaskadnih veza). Obično se zaštita ne prikazuje na spojnoj shemi. Na primjeru spojne sheme u nastavku prikazana je zaštita.
- Pronađite sve spojne sheme s dodatnim modulima EOL za nadzor postupnog povećanja otpora voda u odjeljku EOL.

Da biste pronašli određenu spojnu shemu upotrijebite i sljedeće:

- sadržaj na početku poglavlja *Ožičenje, stranica 18* te na početku odjeljaka *Moduli funkcija, stranica 48, Moduli sučelja, stranica 136* i EOL.
- Index (jezično neutralan)
- i pretraživanje cijelog teksta.

Pogledajte sljedeći primjer spojne sheme:



1	Simboli poglavlja (<i>Simboli poglavlja, stranica 15</i>)
2	Periferni uređaji koji se mogu spojiti
3	Simboli za spajanje (<i>Simboli za spajanje, stranica 15</i>)
4	Opcionalne komponente
5	Napajanje i ožičenje (<i>Napajanje i ožičenje, stranica 16</i>)

Pogledati

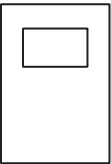
– EOL, stranica 180

2.4.1**Simboli poglavlja**

	Automatski detektori		Upravljačke ploče za rukovanje sustavom i prikaz		Pisač
	Napajanje		Funkcijski moduli		Vatrogasna oprema
	Sučeljni moduli		Sustavi za gašenje požara		Ručni javljači požara
	Signalni uređaji		Kontrole vrata		Uređaji za prijenos
	Umrežavanje				

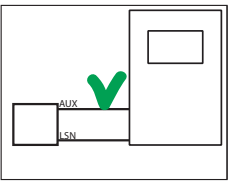
2.4.2**Simboli za spajanje**

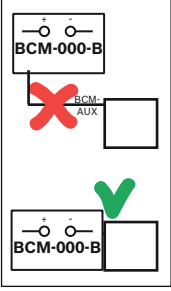
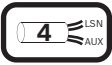
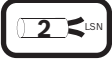
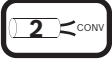
 	Povezivanje standardnih perifernih uređaja s nadzorom / bez nadzora ili standardnih krugova uređaja za obavješćavanje s nadzorom / bez nadzora. (Otpornik za zaključanje linije u priključcima CZM 0004 A, FLM-420-NAC-D/S, NZM 0002 A, RMH 0002 A ili spojevi suhih kontakata s modulom sučelja.)	 	U ovom spoju standardnih perifernih uređaja može se spojiti vod povratne veze. / Prekriženi simbol znači da povratna veza nije nužna ili se ne preporučuje. (Priključci FLM-420-RHV, FLM-420-RLE-S, RMH 0002 A) ulazni vod može se koristiti i kao vod povratne veze (FLM-420-I8R1, FLM-420-I2, FLM-420-O8I2, FLM-420-O11I...).		Redundancija
	Ožičenje petlje		Ožičenje petlje s redundantnim elementom		Ožičenje mreže s jednim izlazom prema vanjskim mrežama
	Ožičenje redundantne mreže s jednim izlazom prema vanjskim mrežama		Ožičenje mreže s jednim izlazom prema vanjskim mrežama s redundantnim elementom		Ožičenje redundantne mreže s jednim izlazom prema vanjskim mrežama s redundantnim elementom
ELS	Ovo je ožičenje sukladno standardu VdS 2543. ELS pokrata je za Extended Line Supervision, što		Ovo ožičenje petlje sukladno je standardu VdS 2543. Ono pruža funkciju ELS. Dodatni moduli EOL nisu nužni.		Sinkronizacija

	označava nadzor postupnog kratkog spoja i postupnog povećanja otpora voda. Ovo ožičenje pruža funkciju ELS. Pronađite sve spojne sheme s dodatnim modulima EOL za nadzor postupnog povećanja otpora voda u odjeljku EOL. Postupni kratki spoj otkrivaju sljedeći moduli: LSN 0300 A, LSN 1500 A i BCM-0000-B ako se koristi FPP-5000-TI13.				
	Potencijalno eksplozivna područja		Vatrodjavna centrala		Samostalna vatrodjavna centrala
	Samostalna vatrodjavna centrala s redundancijom		Nije dopušteno		Za postolja detektora: spojna je shema valjana samo za postolja u kojima je instaliran detektor.
-----	Opcionalno ožičenje	_____	Obvezno ožičenje	EN 54-2, DIBT itd.	U slučaju kada je nužno slaganje s ovim standardom, upotrijebite navedenu spojnu shemu.

2.4.3

Napajanje i ožičenje

	Dodatno napajanje
	Napajanje putem vatrodjavne centrale Napajanje može biti odvojeno od elementa.

	Napajanje putem vatrodajavne centrale / vanjsko napajanje Element se napaja putem modula BCM-000-B. Element se mora postaviti u ravnini s kućištem proizvoda koje sadrži modul BCM-000-B.
 	Ožičenje je 4-žični spoj. Inače je 2-žični spoj.
 	Ožičenje je 2-žični spoj.
	Pogledajte ožičenje u ovom priručniku.
	Pogledajte tehničku dokumentaciju priključenih perifernih uređaja.

2.5

Vrijednosti otpora

Sljedeća tablica sadrži prikaz kodiranja otpornika u boji. Otpornici obloženi metalom koji su isporučeni s proizvodom imaju 5 traka u boji koje označavaju vrijednost otpora.

Boja	1. traka	2. traka	3. traka	4. traka (multiplikator)	5. traka (tolerancija)
Srebrna				10^{-2}	$\pm 10\%$
Zlatna				10^{-1}	$\pm 5\%$
Crna		0	0	10^0	
Smeđa	1	1	1	10^1	$\pm 1\%$
Crvena	2	2	2	10^2	$\pm 2\%$
Narančasta	3	3	3	10^3	$\pm 0.05\%$
Žuta	4	4	4	10^4	$\pm 0.02\%$
Zelena	5	5	5	10^5	$\pm 0.5\%$
Plava	6	6	6	10^6	$\pm 0.25\%$
Ljubičasta	7	7	7	10^7	$\pm 0.1\%$
Siva	8	8	8	10^8	$\pm 0.01\%$
Bijela	9	9	9	10^9	

U skladu sa standardom DIN EN 60062:2017

Narančasta – bijela – crna – smeđa – smeđa: otpornik od 3,9 kilooma s 1 % tolerancije,

Crvena – crvena – crna – smeđa – smeđa: otpornik od 2,2 kilooma s 1 % tolerancije.

3 Ožičenje



FPP-5000 Power supply, stranica 19

DIBT, stranica 21

Moduli funkcija, stranica 48

BCM-0000-B, stranica 49

CZM 0004 A, stranica 51

ENO 0000 A/B, stranica 55

LSN 0300 A, stranica 62

NZM 0002 A, stranica 97

RMH 0002 A, stranica 113

IOS 0020 A, stranica 116

FPE-5000-UGM, stranica 131

Moduli sučelja, stranica 136

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

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

FLM-420-RLE-S, stranica 175

FLM-420-RLV1-E, stranica 176

FLM-420-RLV8-S, stranica 177

EOL, stranica 180

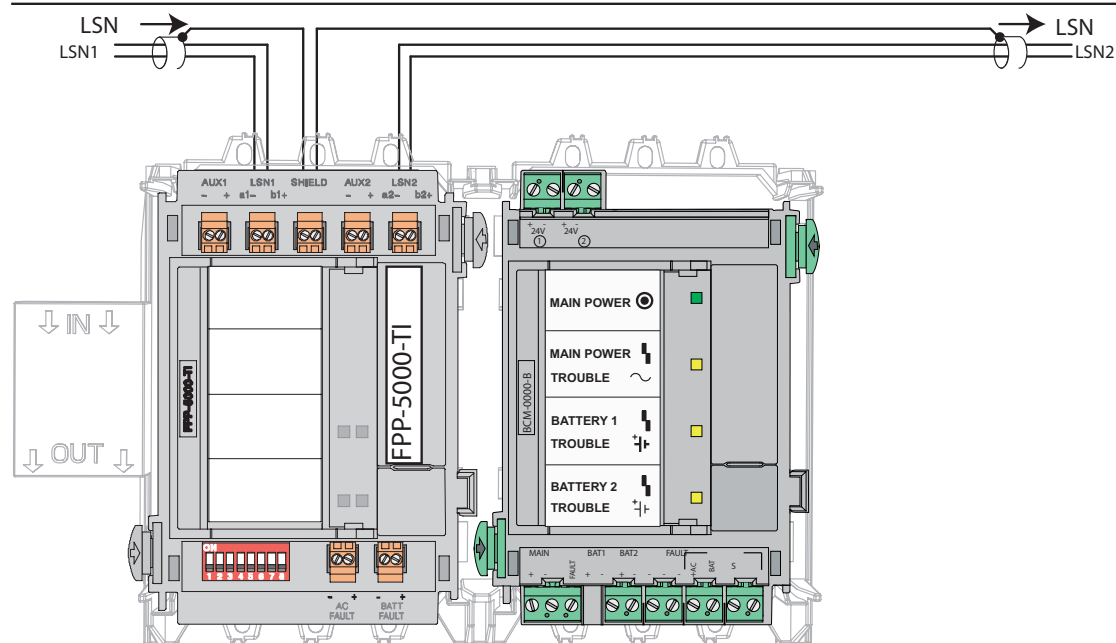
LSN 0300 A, stranica 181

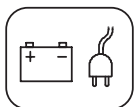
FLM-420/4-CON-S/D, stranica 223

3.1 FPP-5000 Power supply



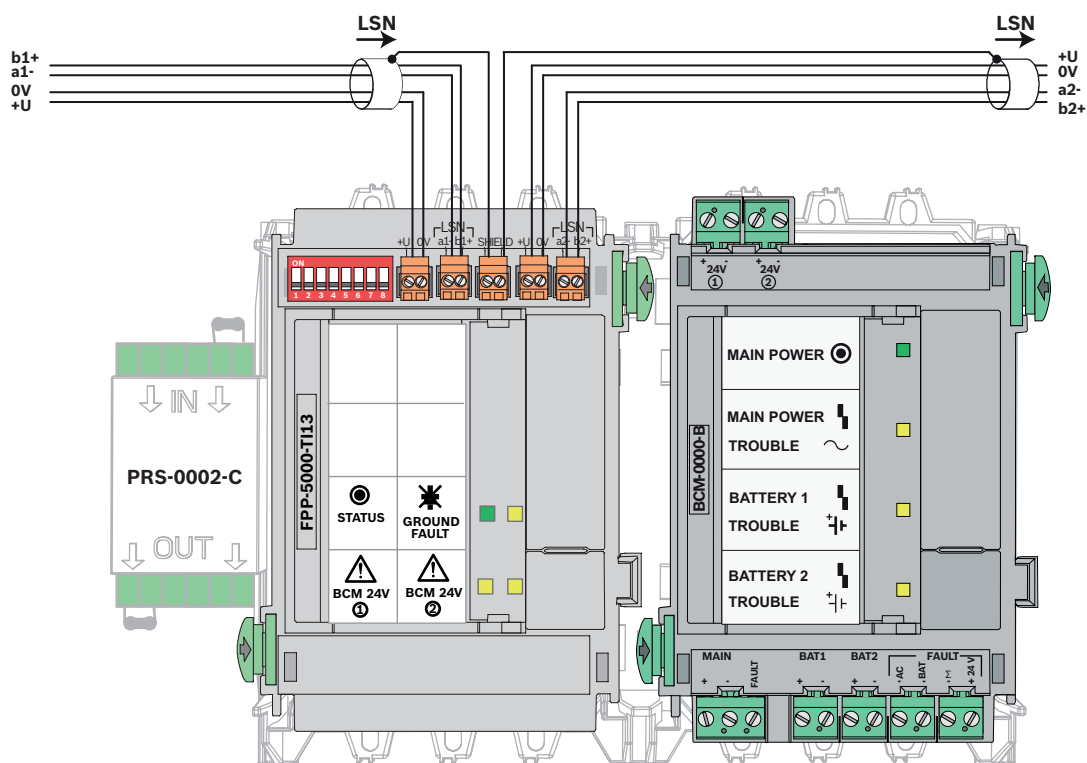
FPP-5000-TI





FPP-5000-Ti13

ELS VdS 2489



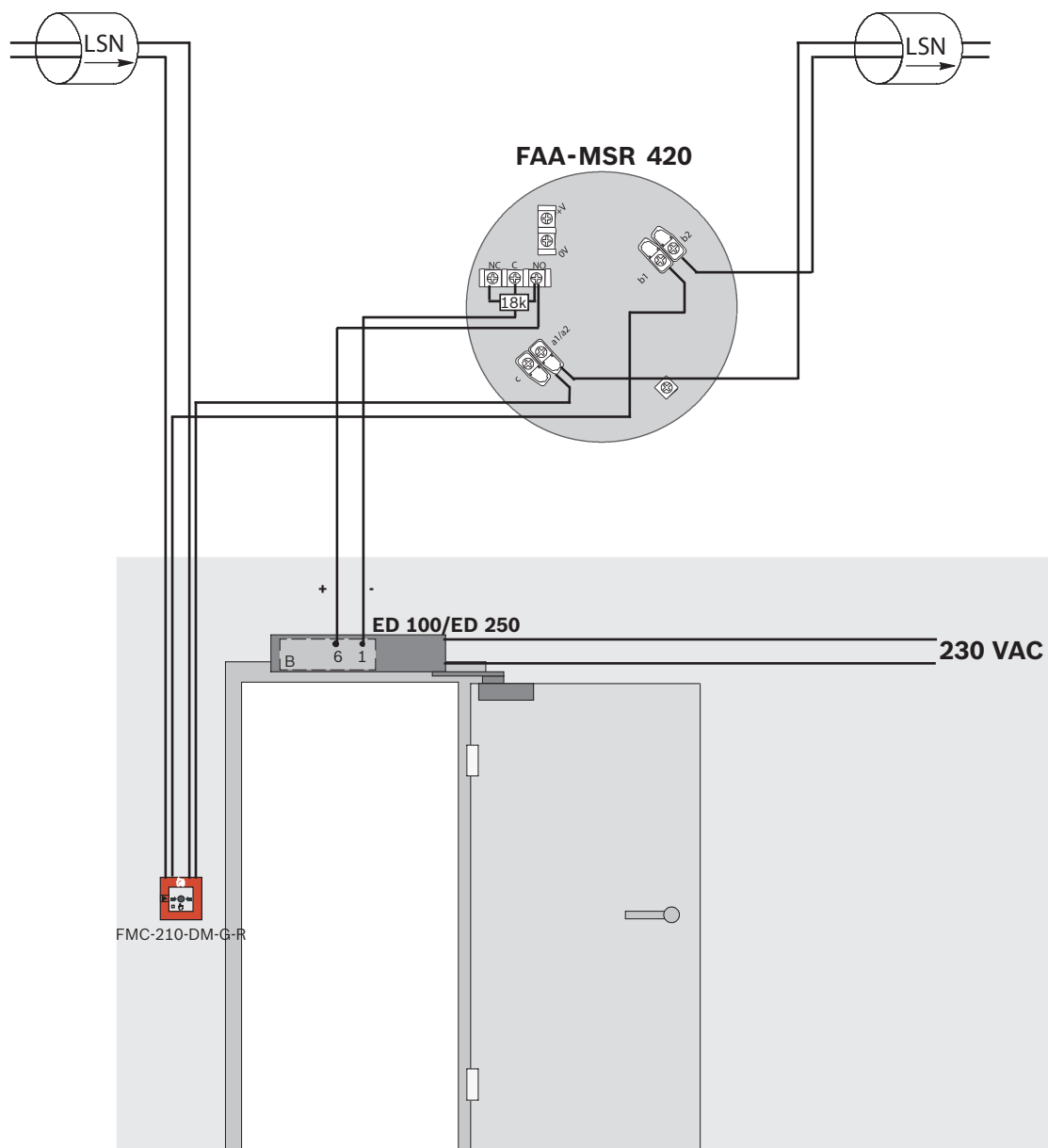
3.2

DIBT



ED 100
ED 250
(+Upgrade Card B)

DIBT

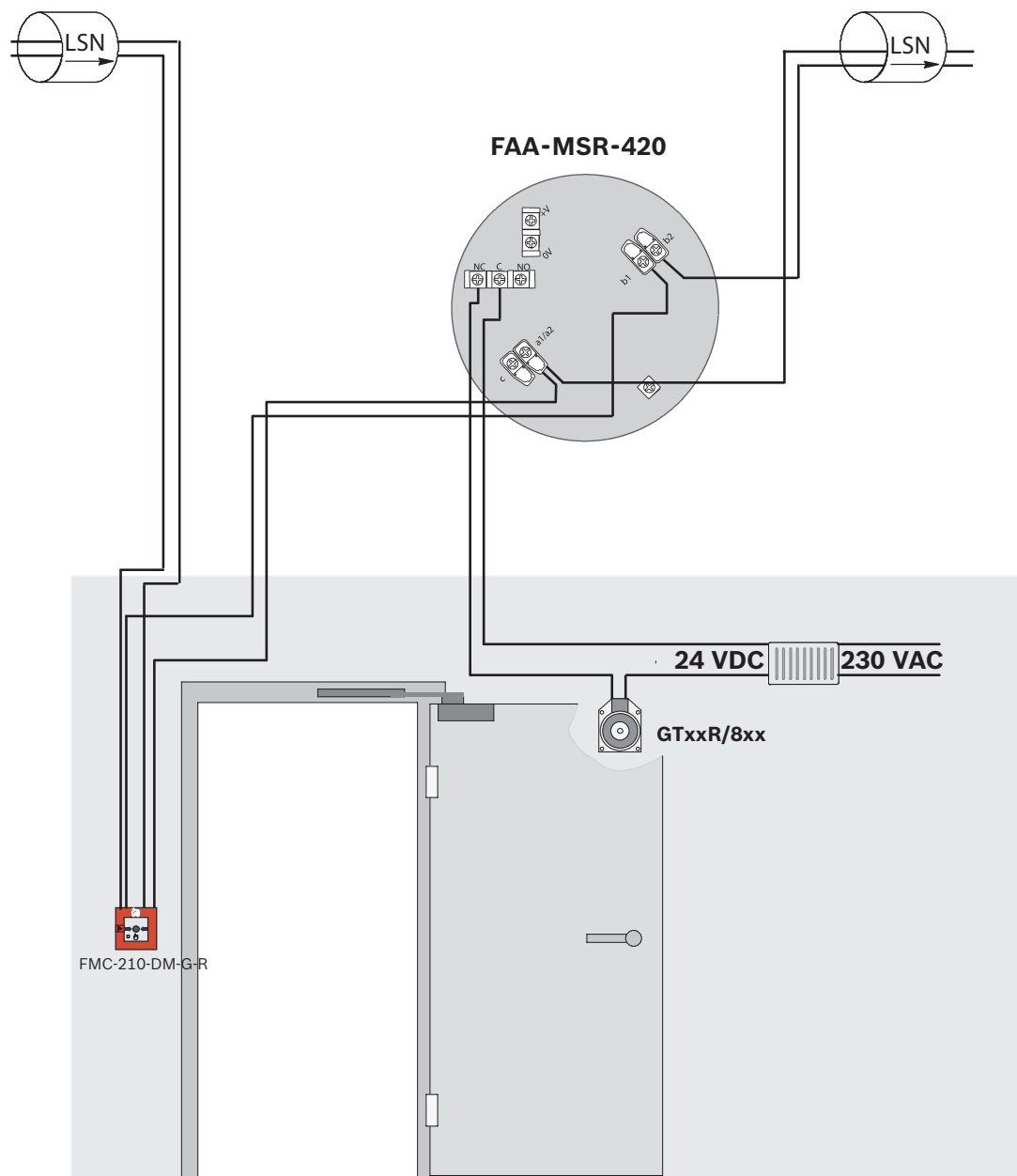


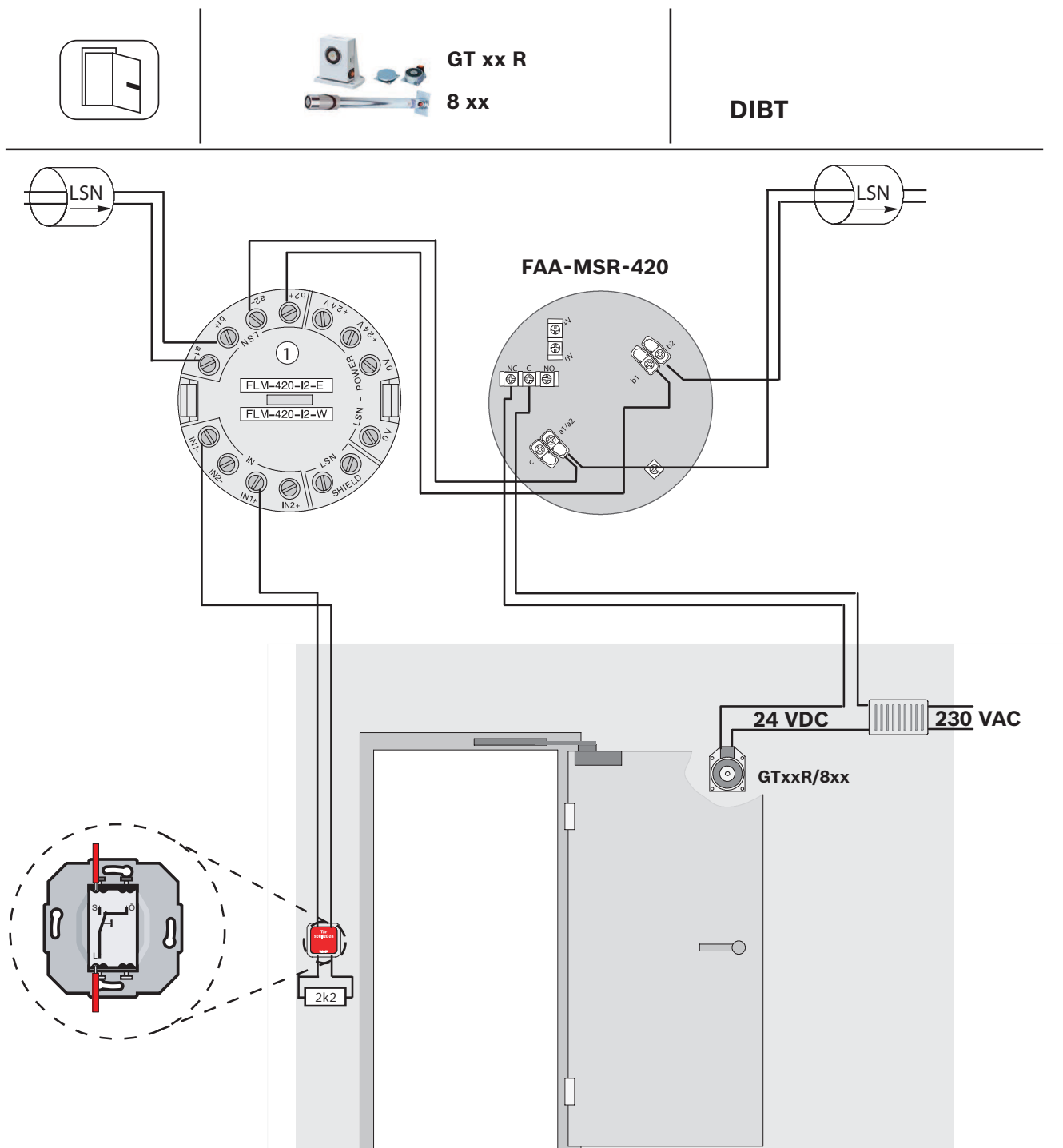


GT xx R

8 xx

DIBT

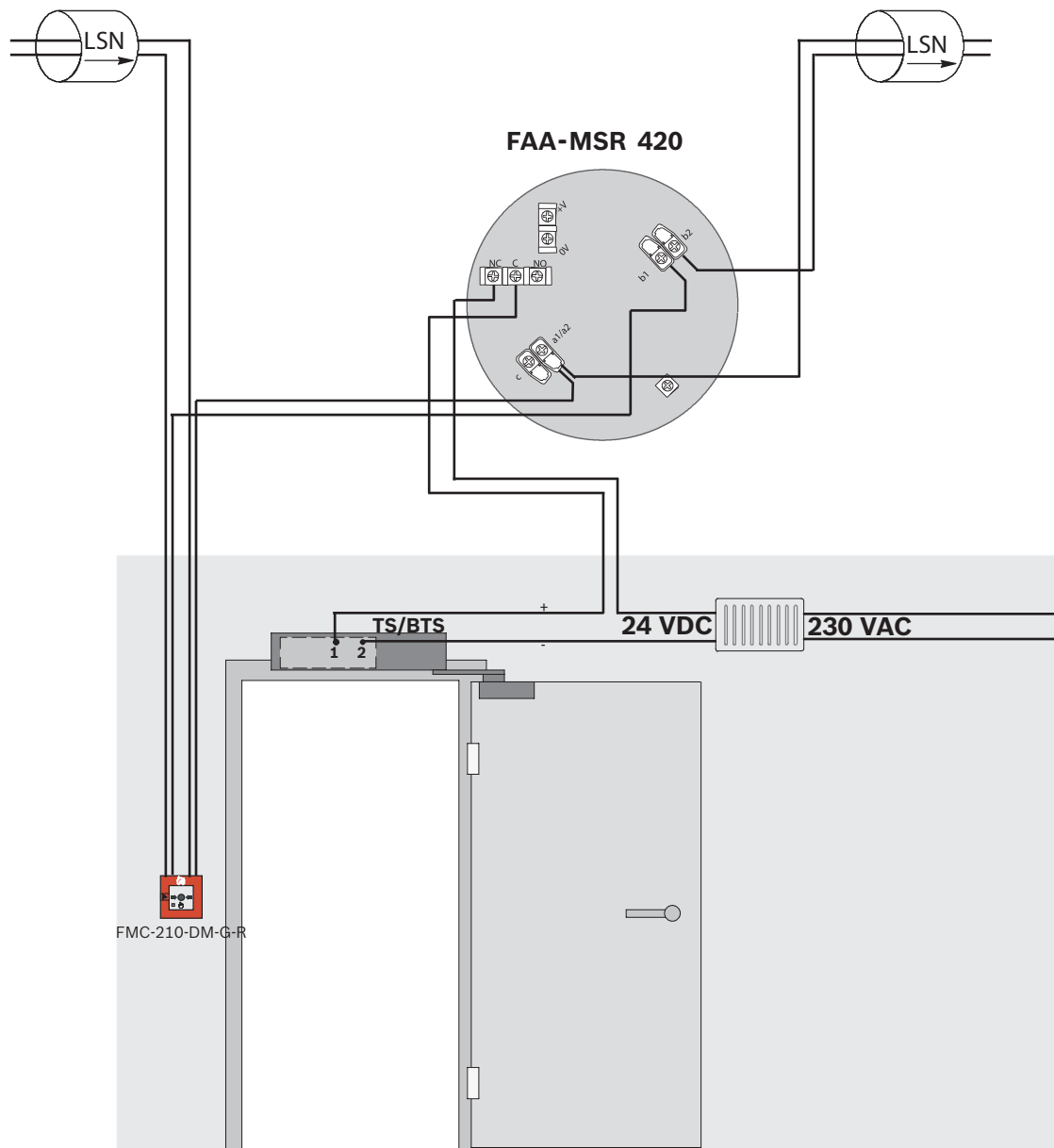






TS 73 EMF
TS 93 EMF
TS 93 GSR
BTS 80 EMB
BTS 80 FLB

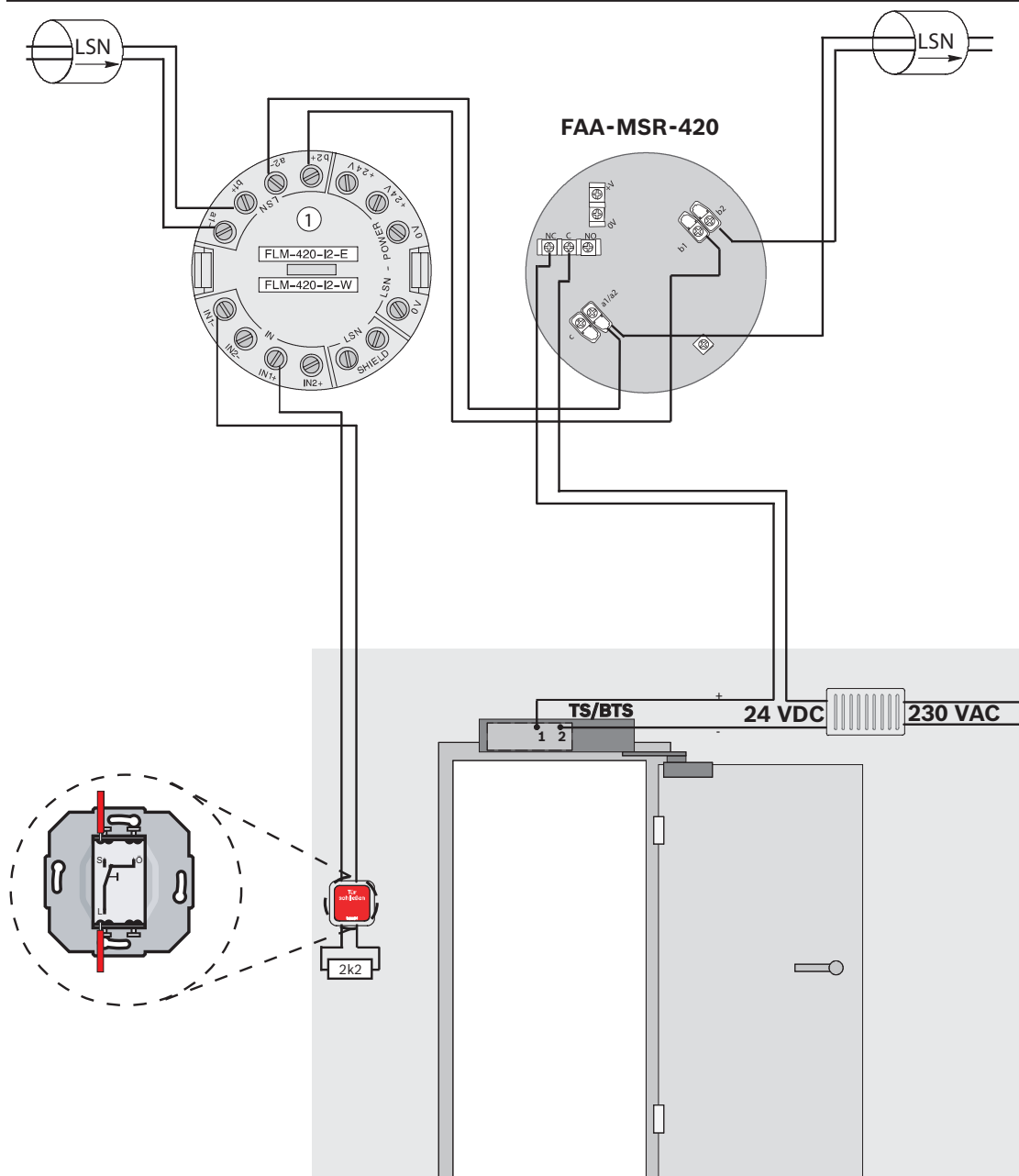
DIBT





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

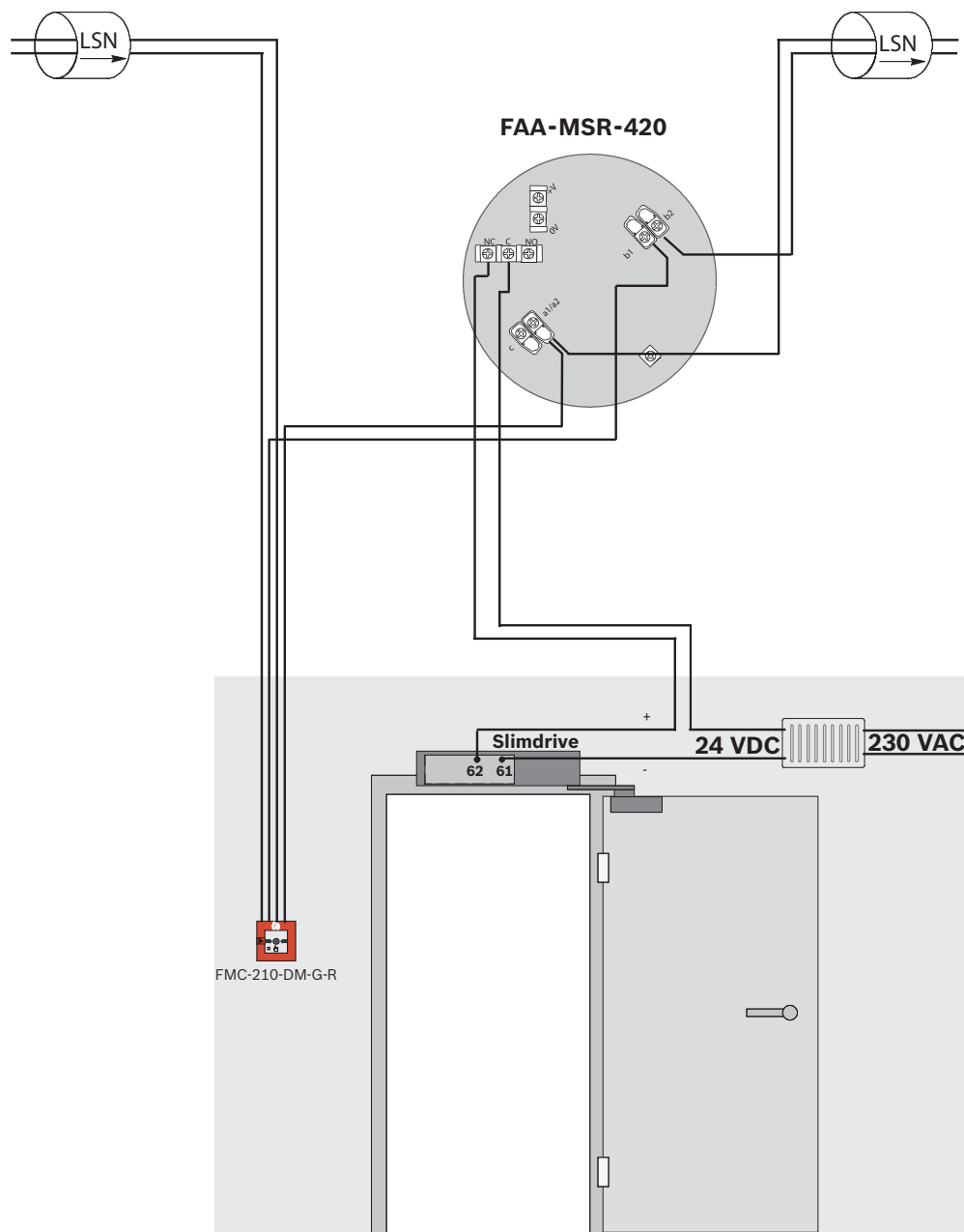
DIBT





Slimdrive EMD-F/EMD F-IS

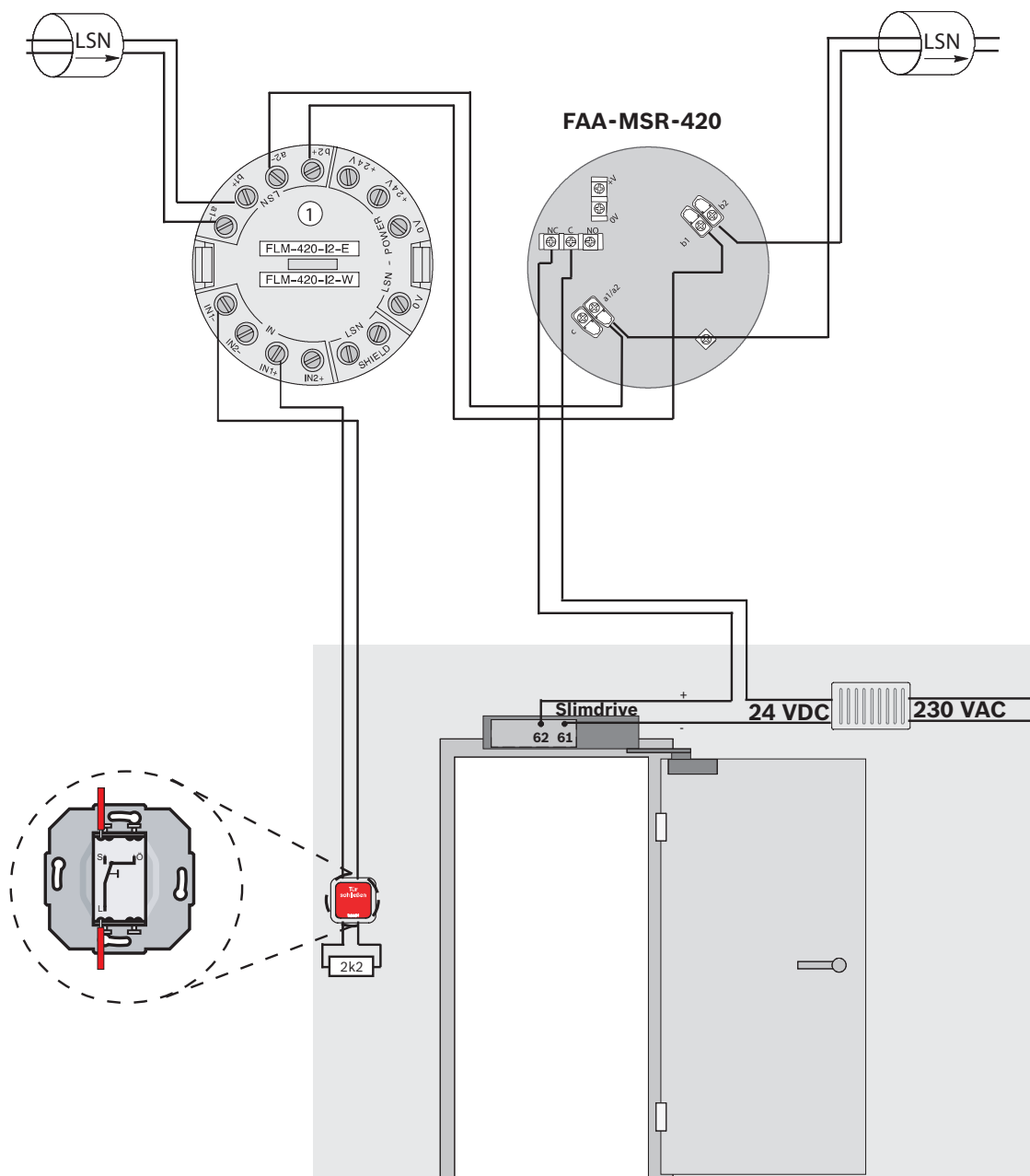
DIBT





Slimdrive EMD-F/EMD F-IS

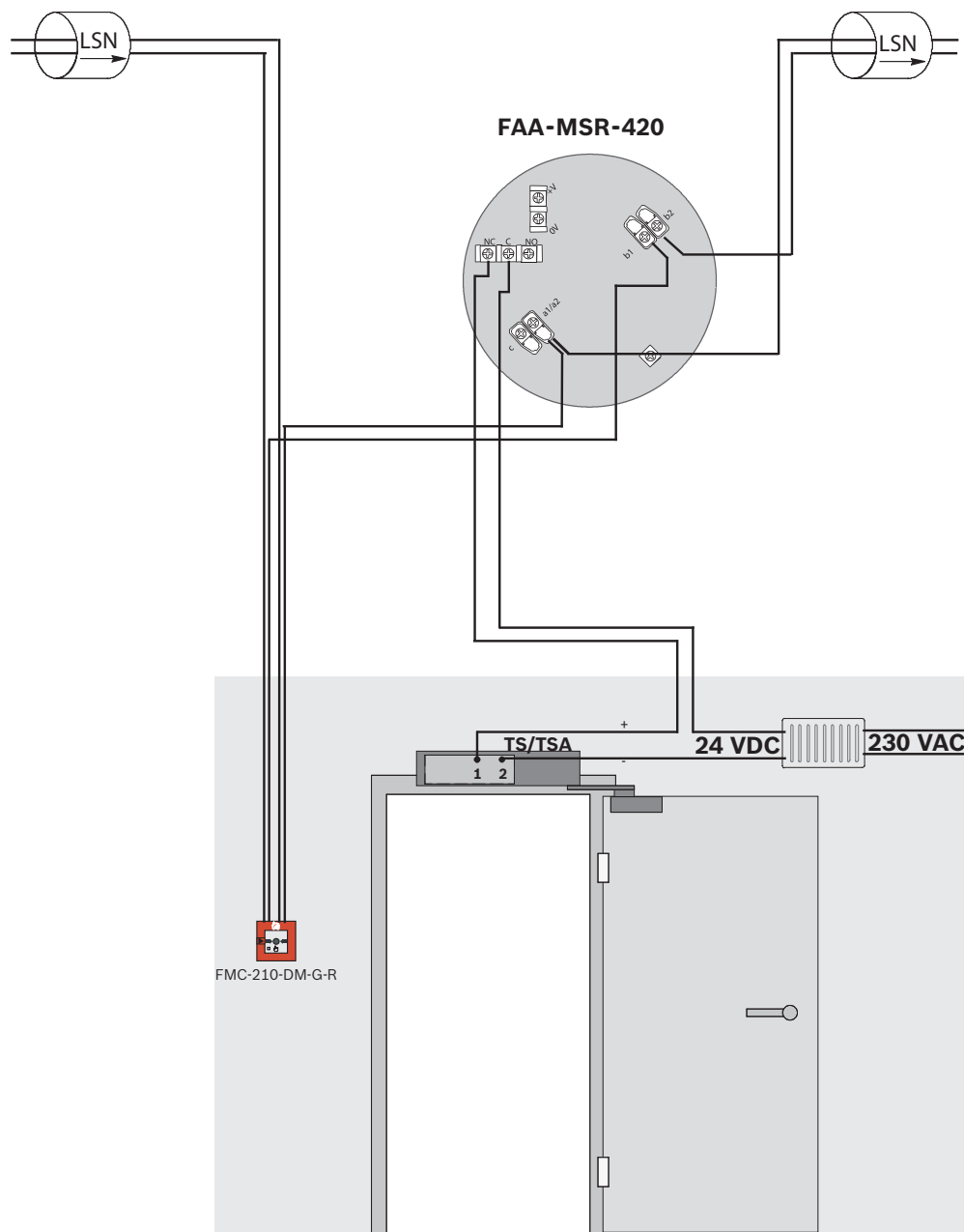
DIBT





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

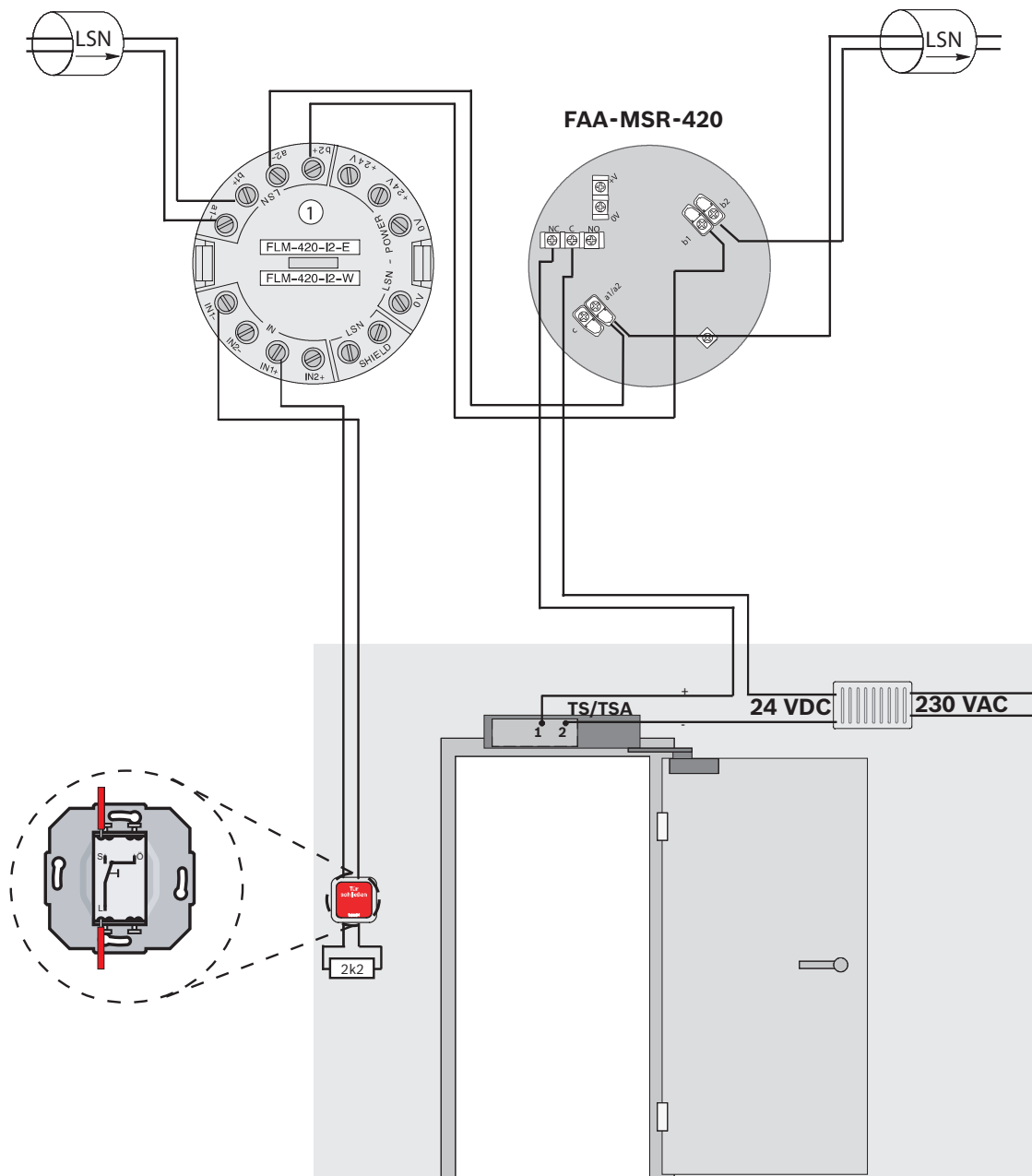
DIBT





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

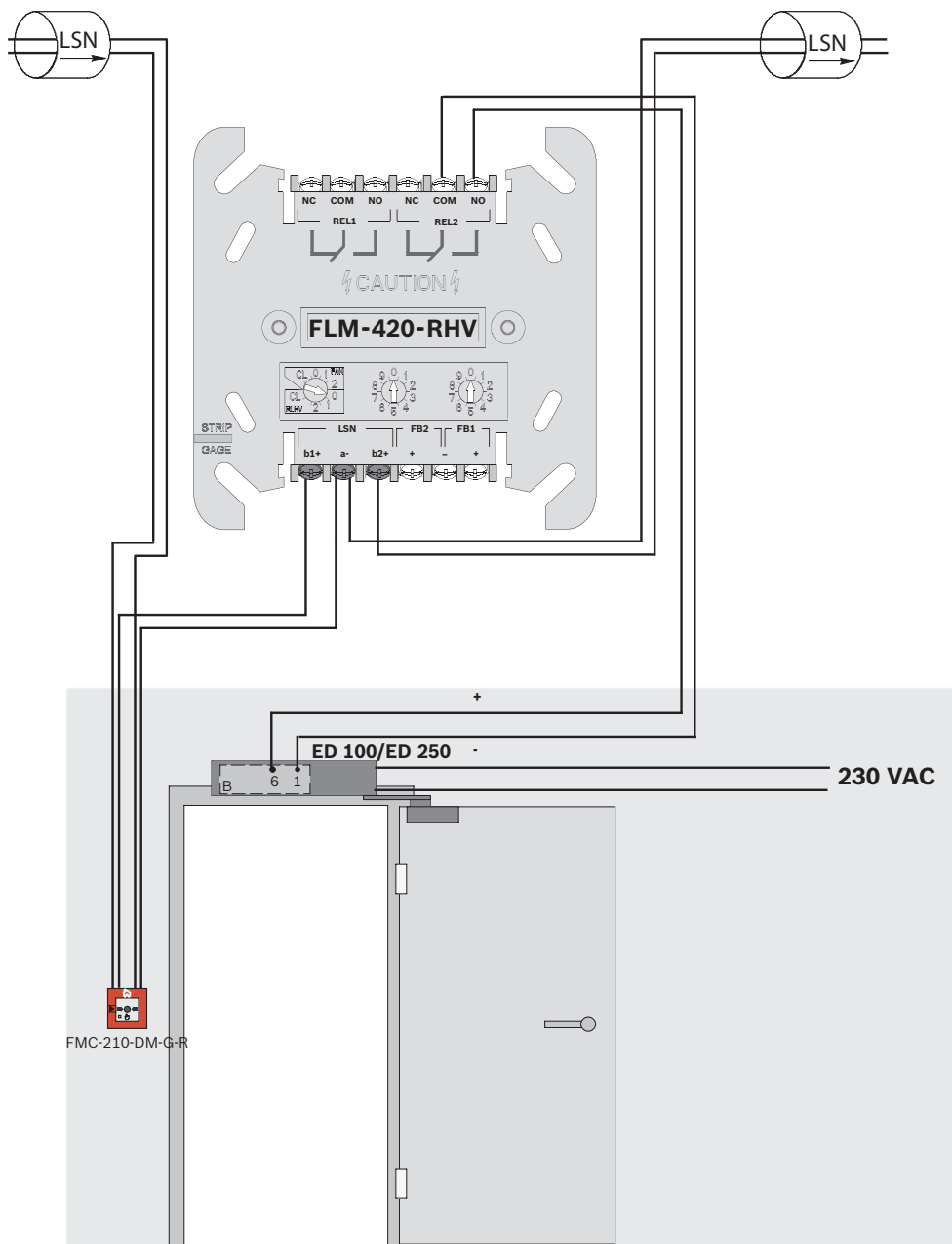
DIBT





ED 100
ED 250
(+Upgrade Card B)

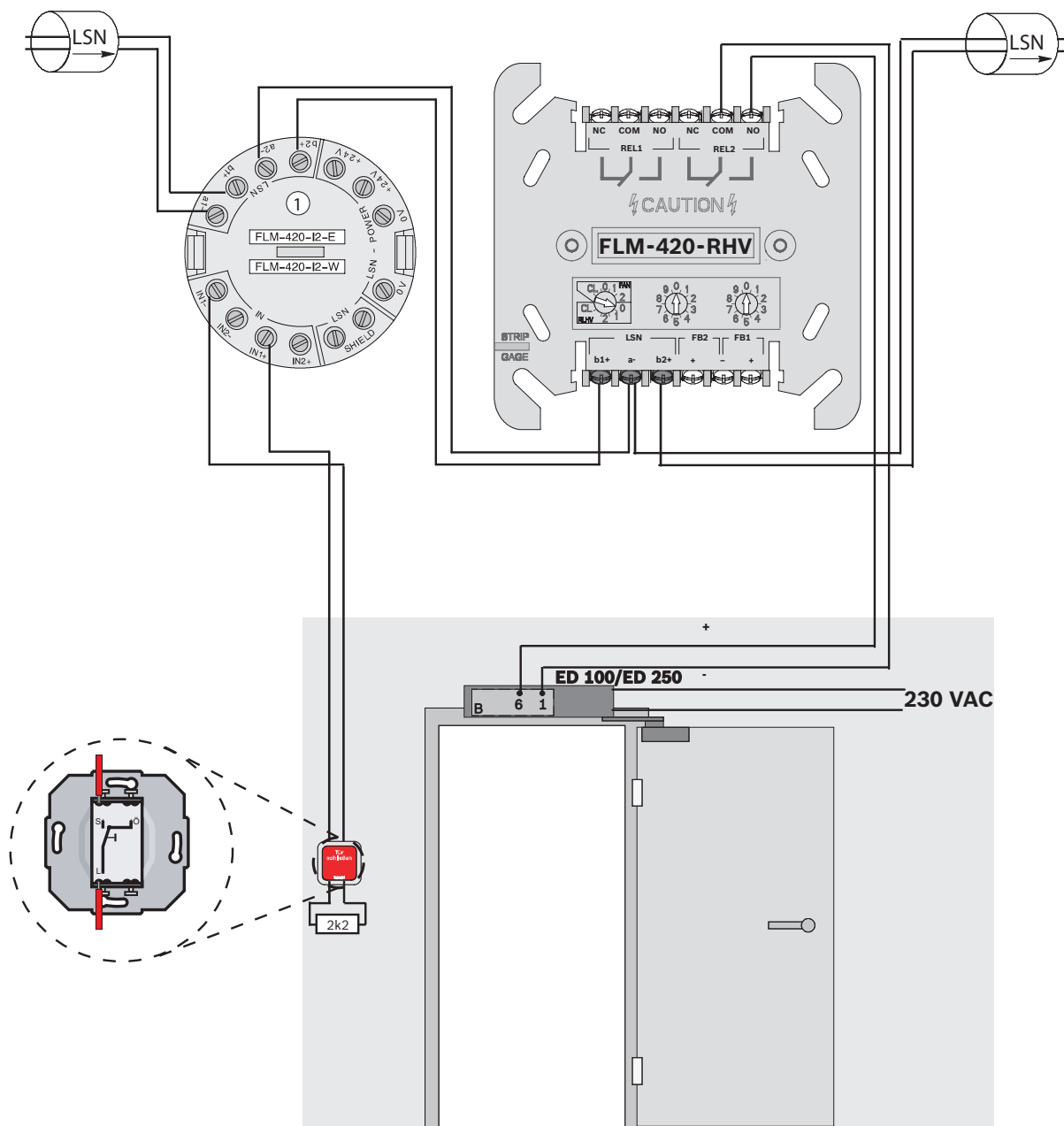
DIBT





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

DIBT

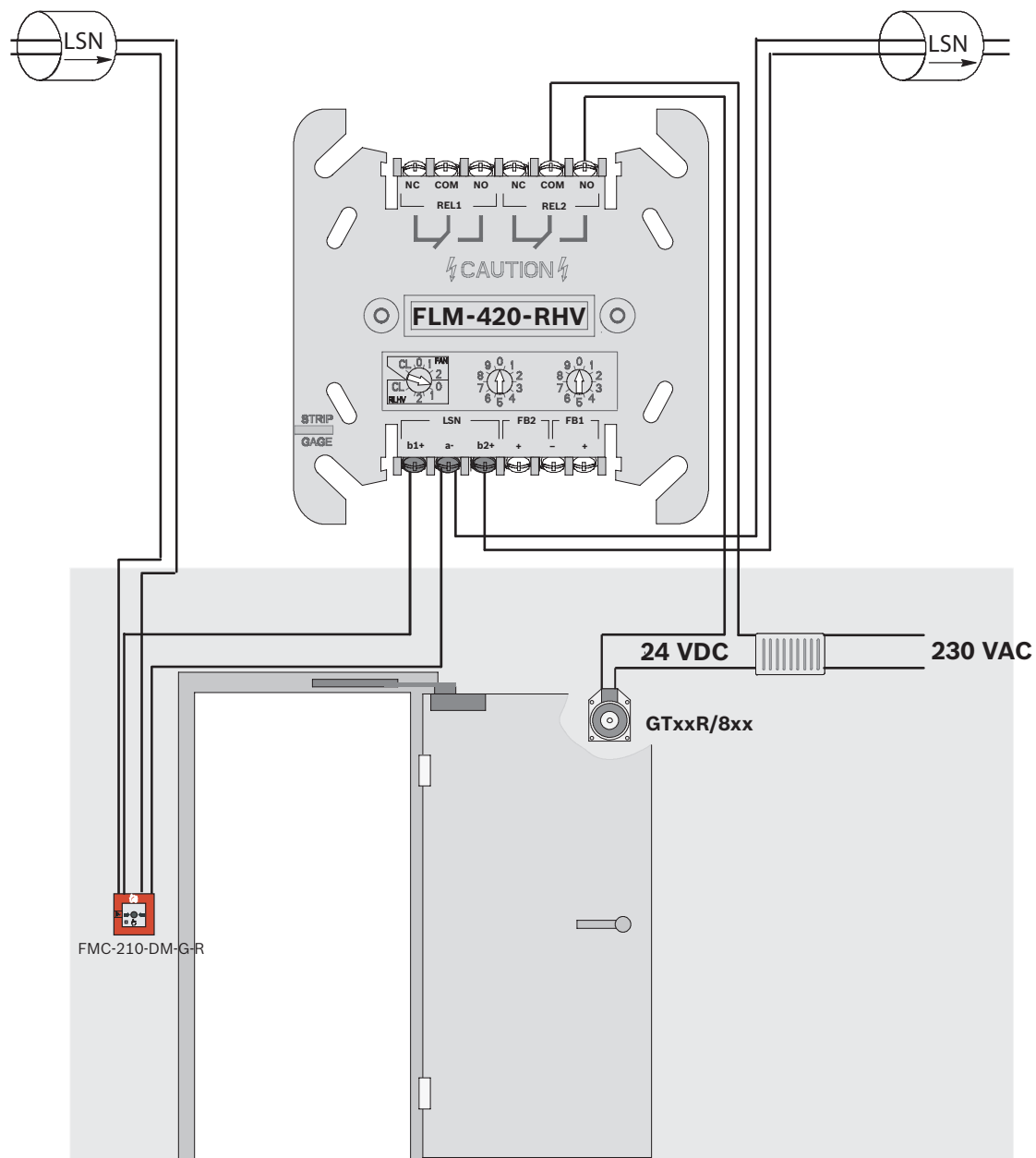




GT xx R

8 xx

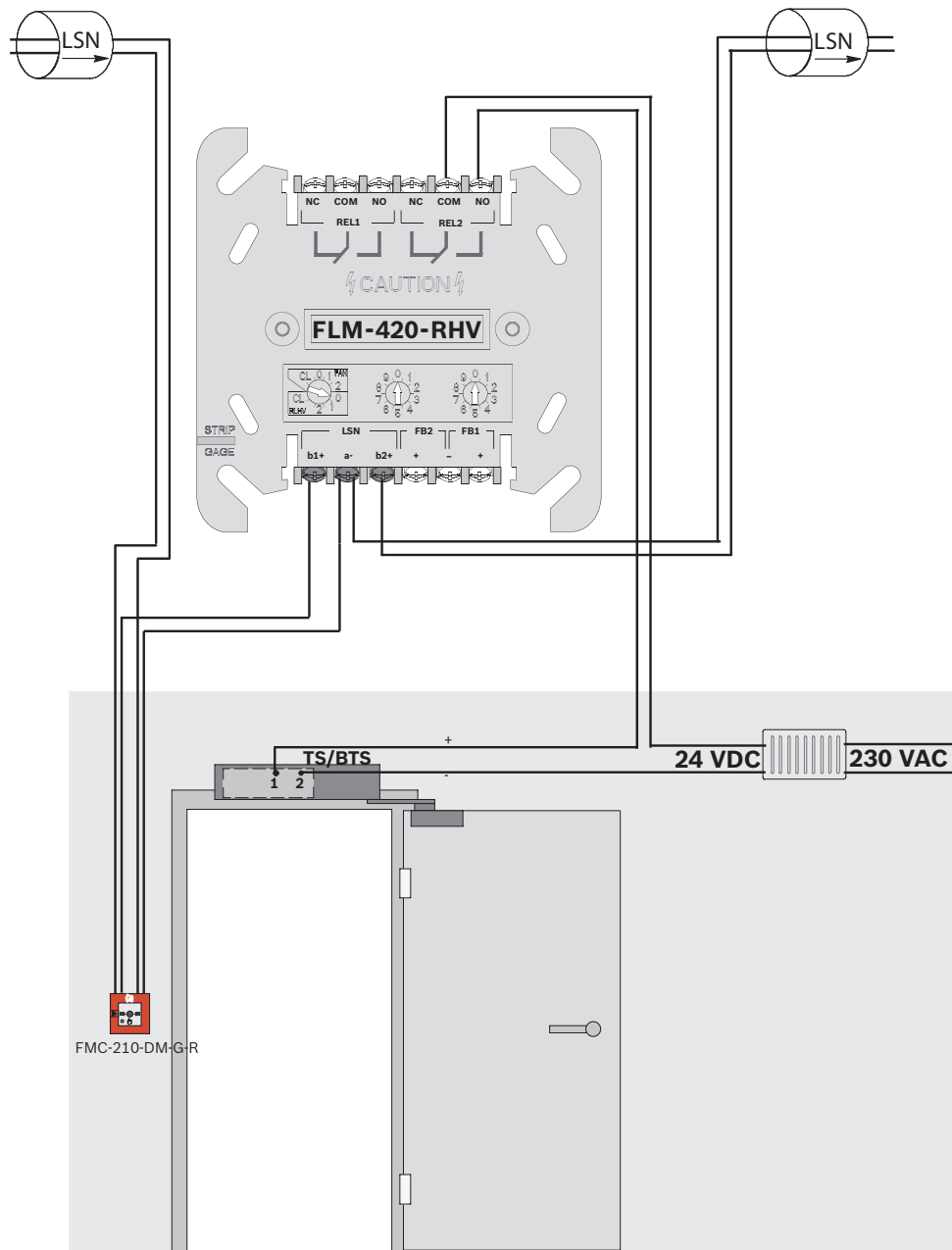
DIBT





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

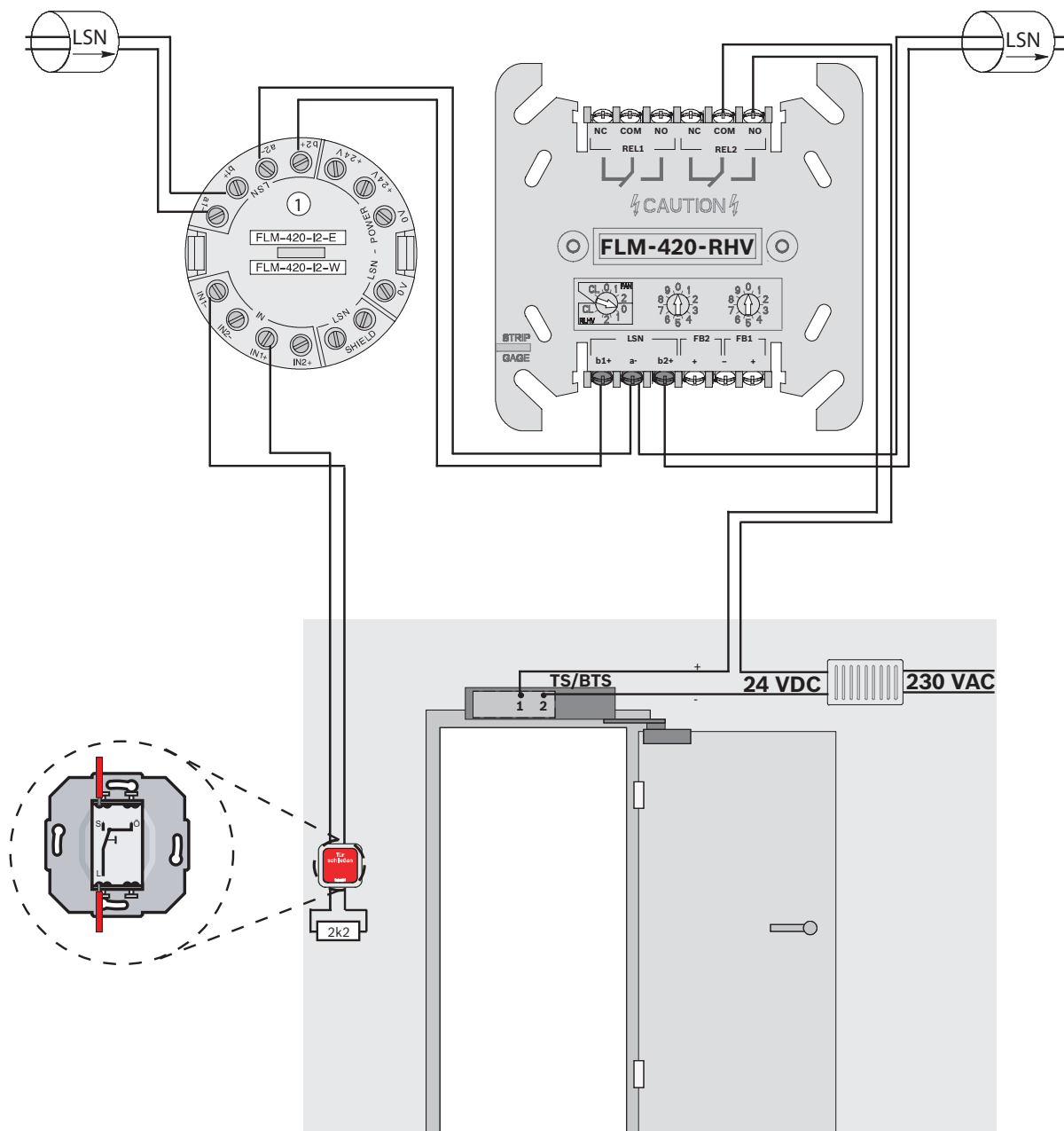
DIBT





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

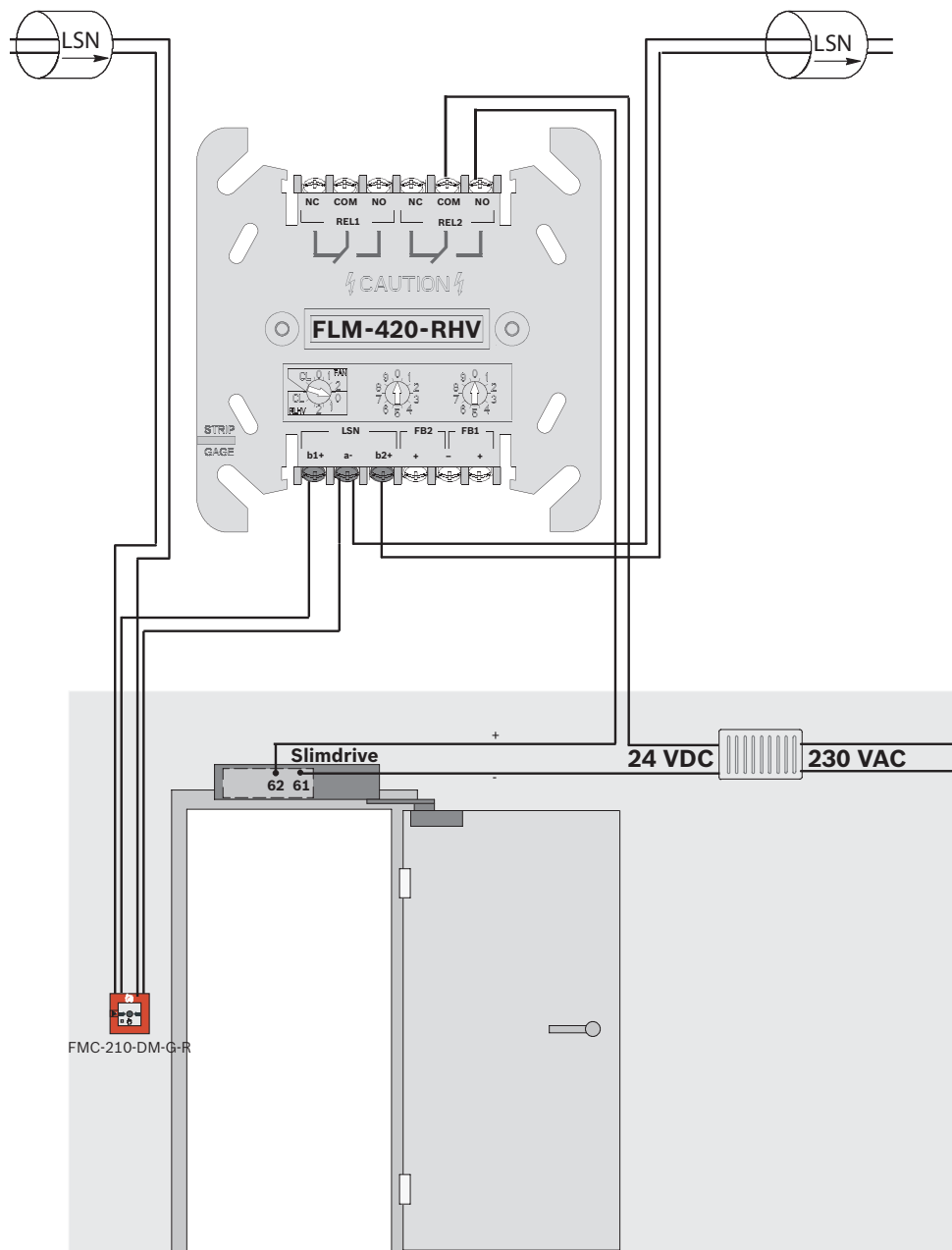
DIBT





Slimdrive EMD-F/EMD F-IS

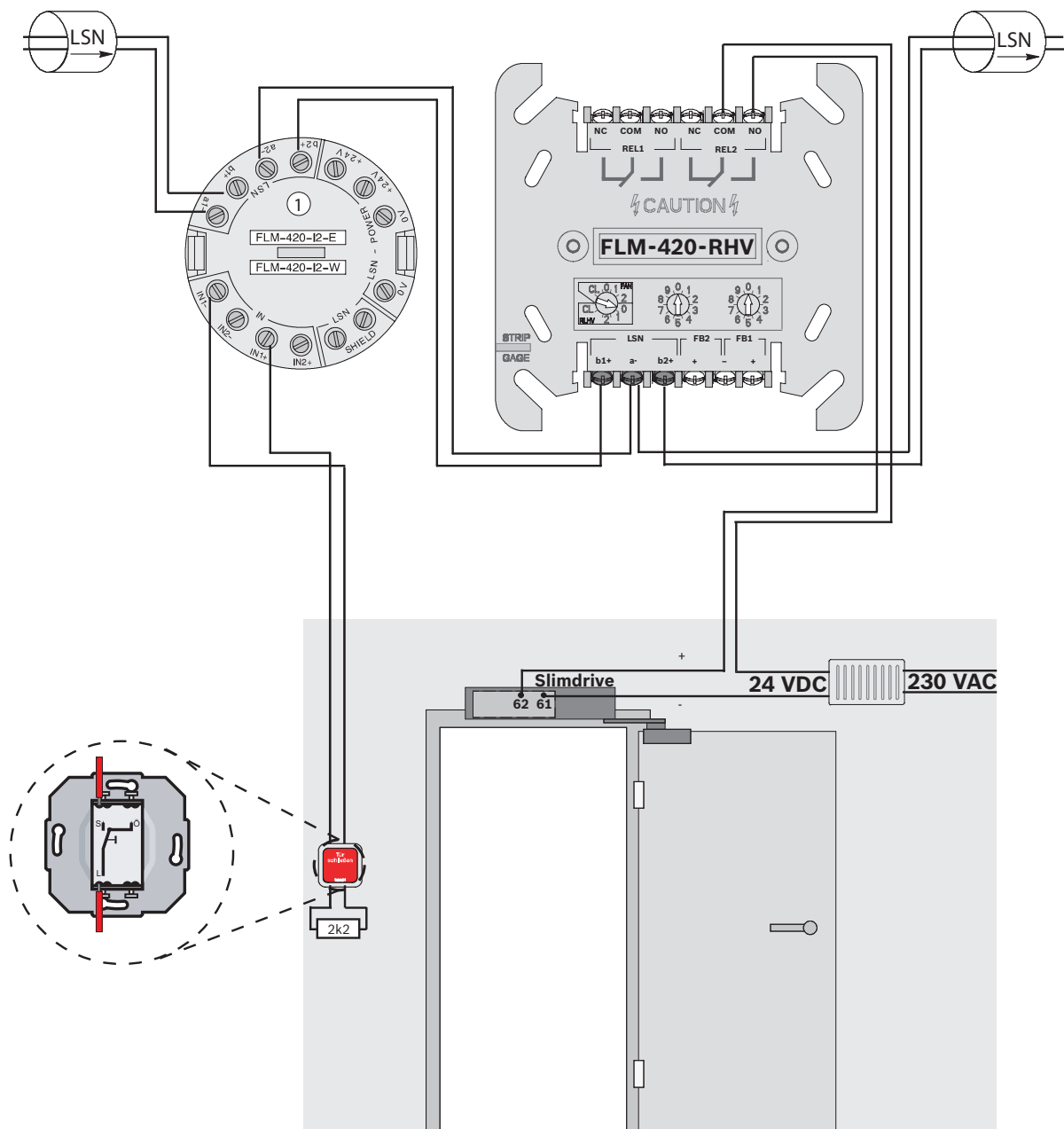
DIBT





Slimdrive EMD-F/EMD F-IS

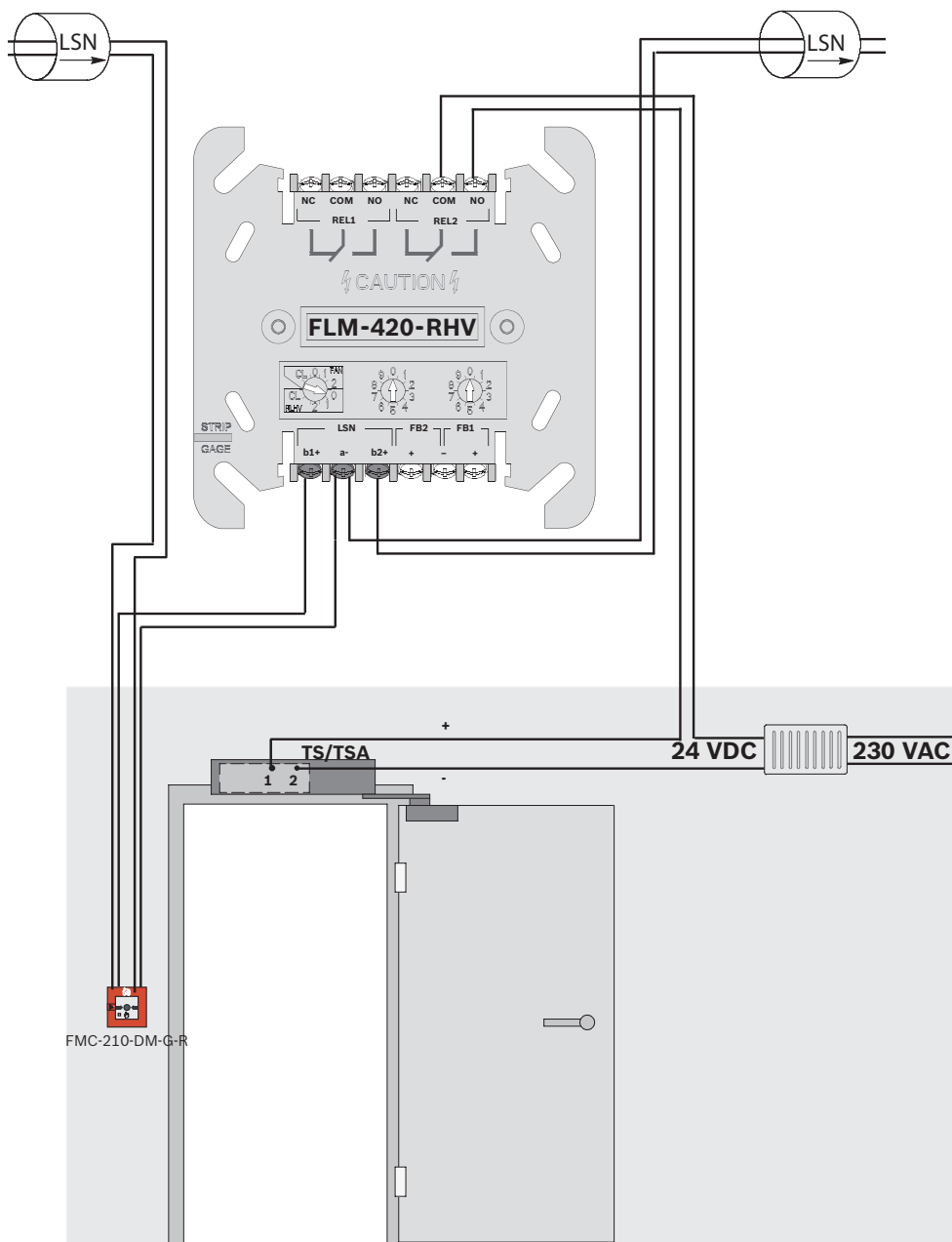
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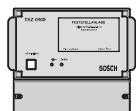




TS 4000 E/E-IS/EFS
TS 5000 E/E-IS/E-ISM
TS 550 E
TSA 160 NT F/F-IS/F-IS/TS

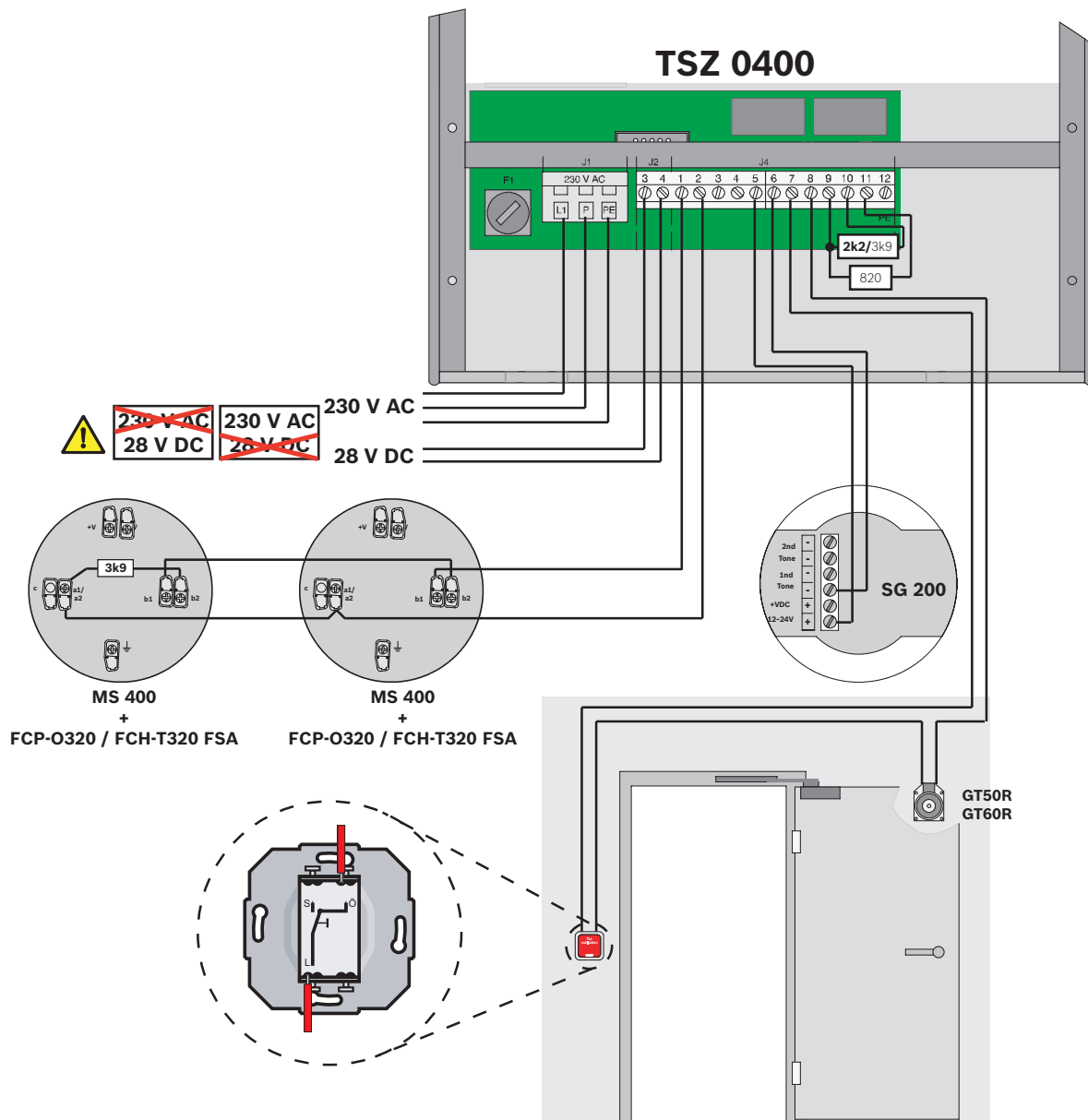
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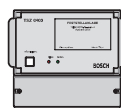
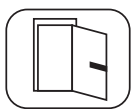




TSZ 0400

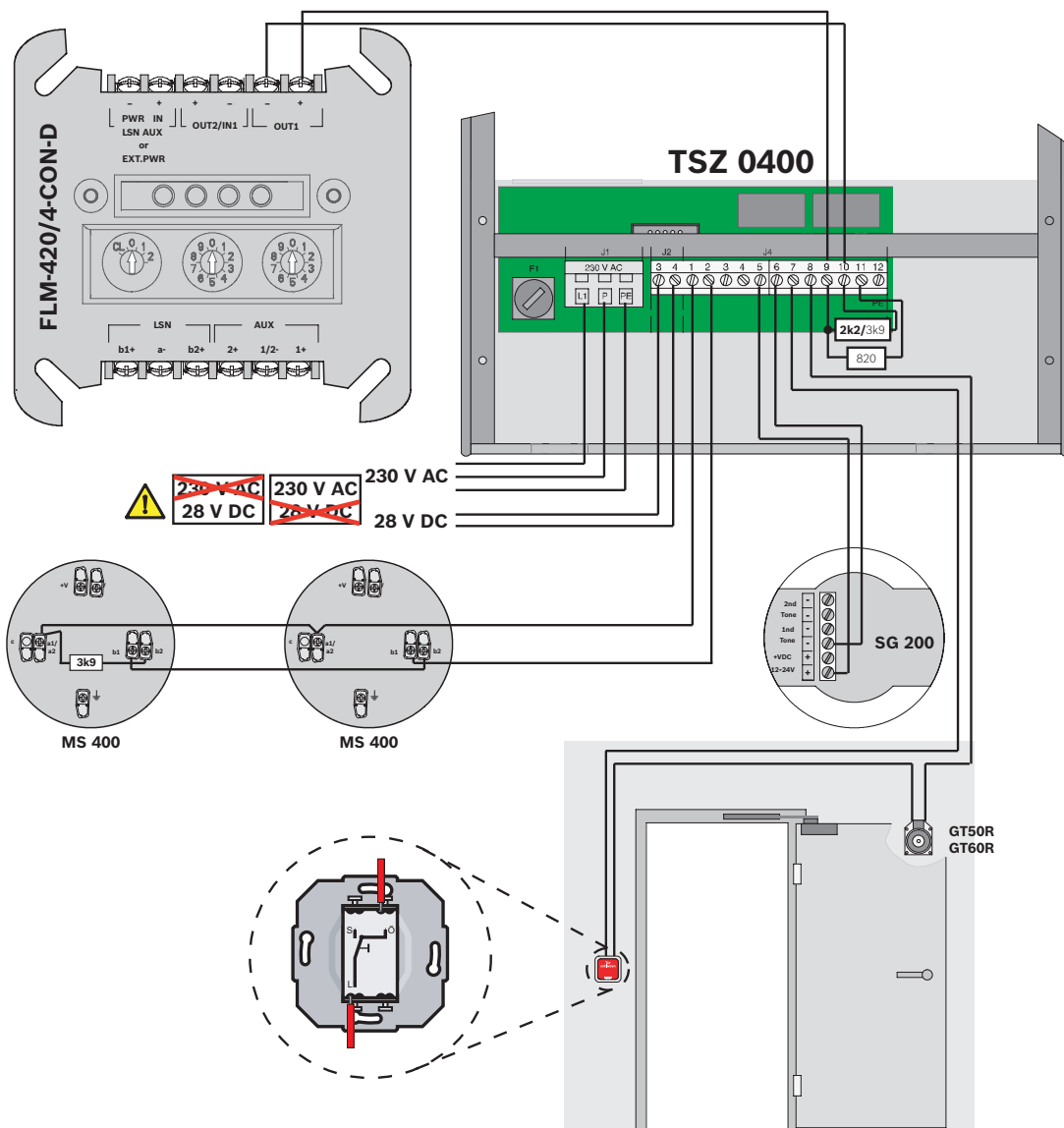
DIBT

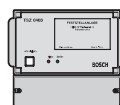
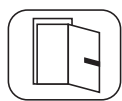




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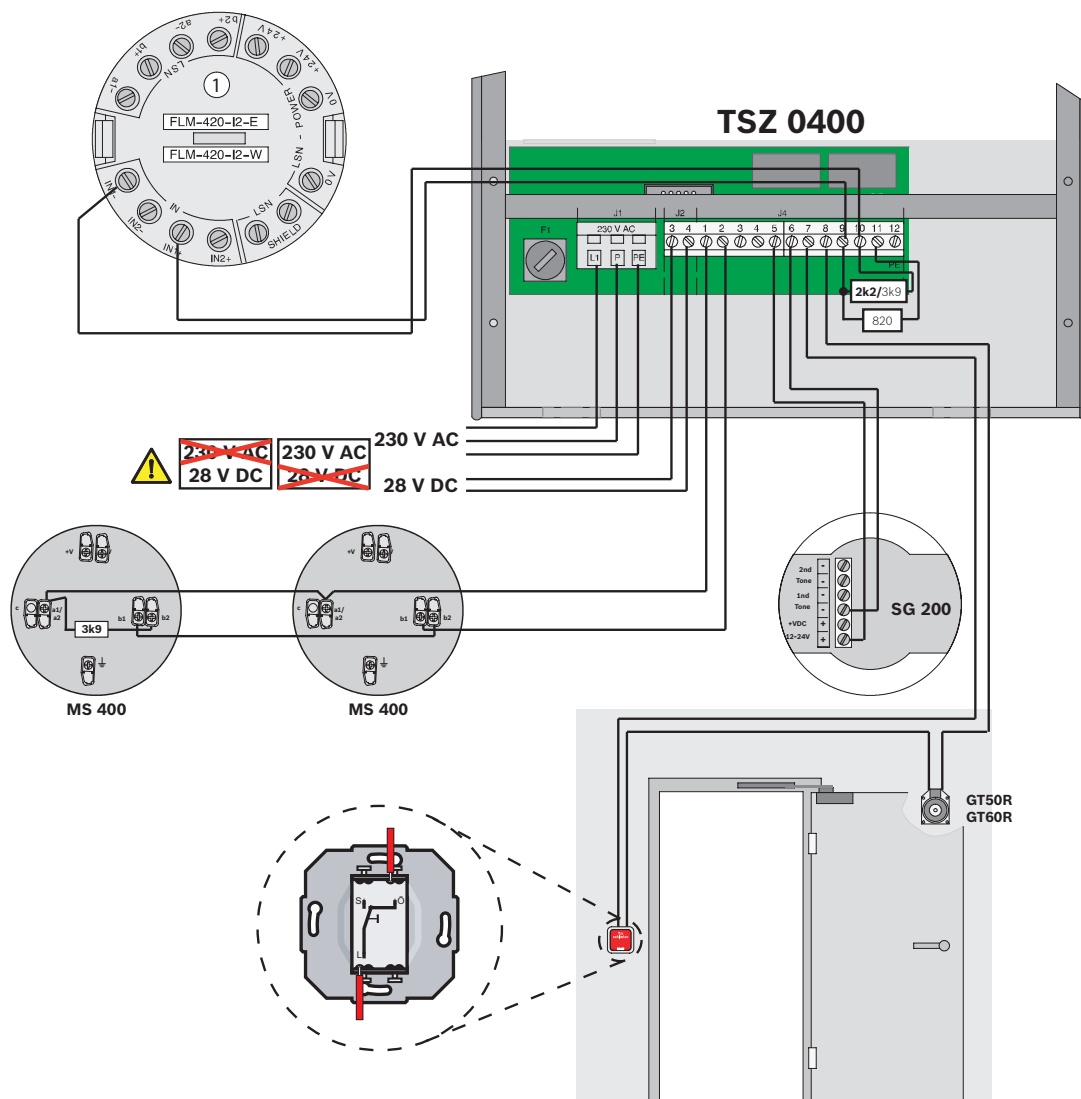
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TSZ 0400

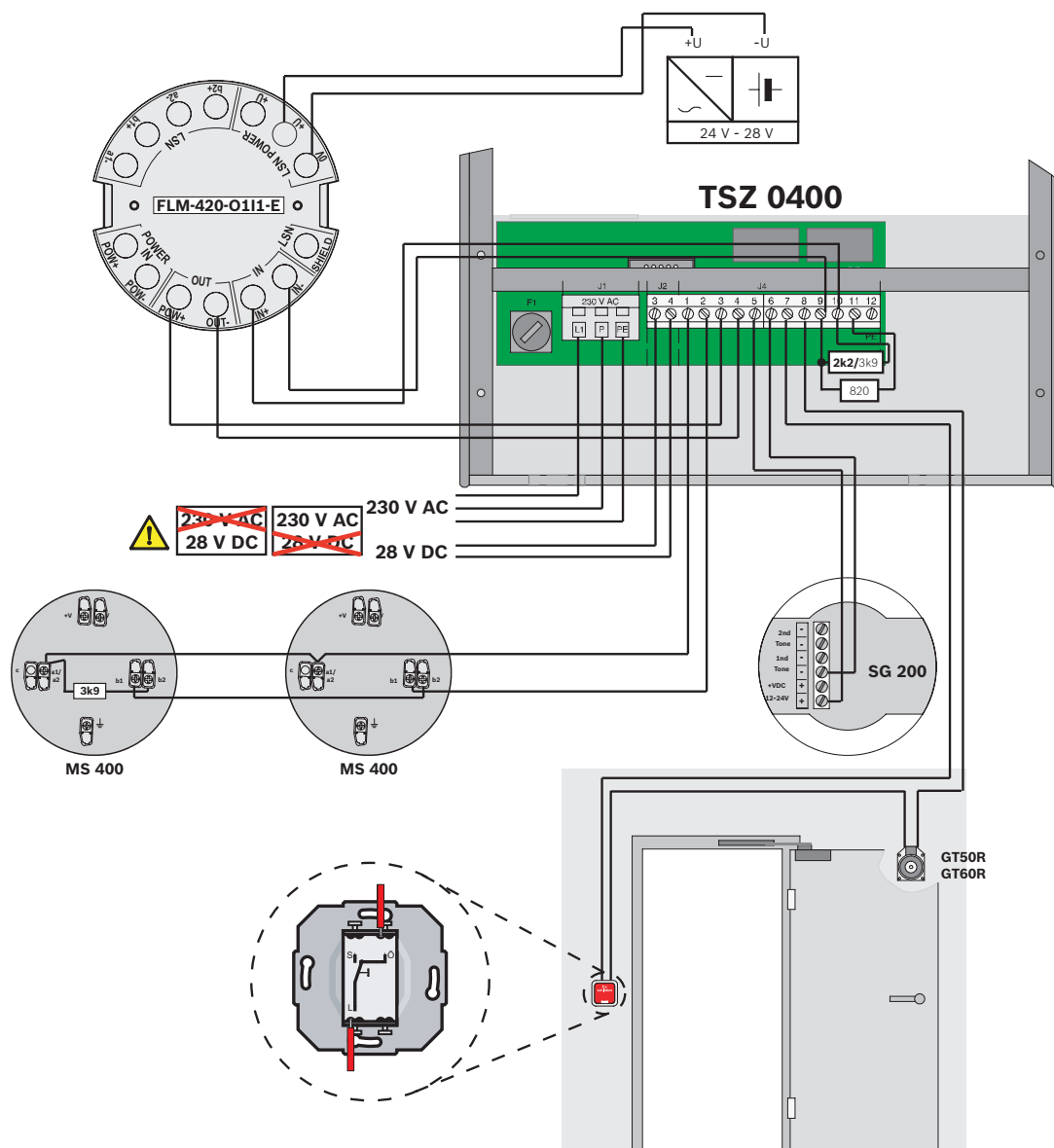
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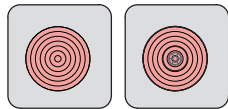




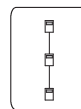
TSZ 0400

DIBT

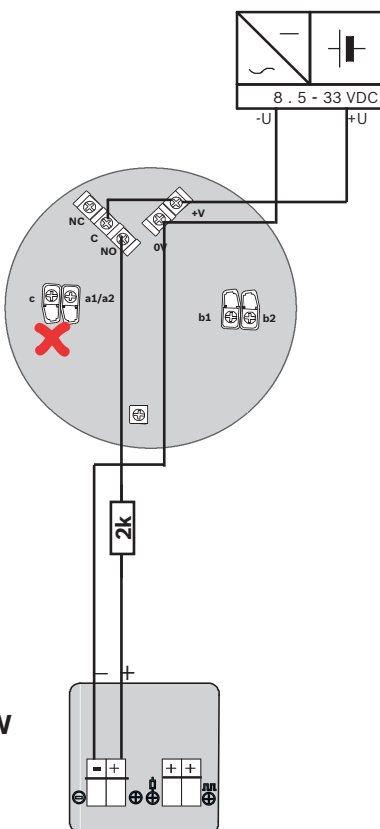




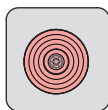
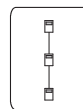
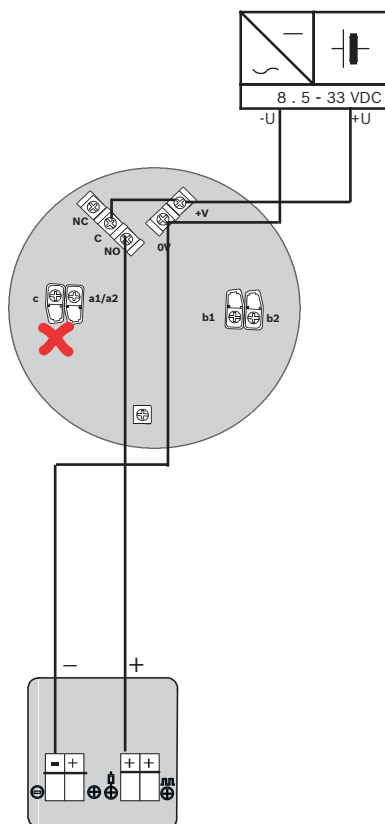
FAA-420-RI-ROW
FAA-420-RI-DIN

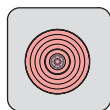
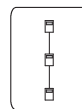
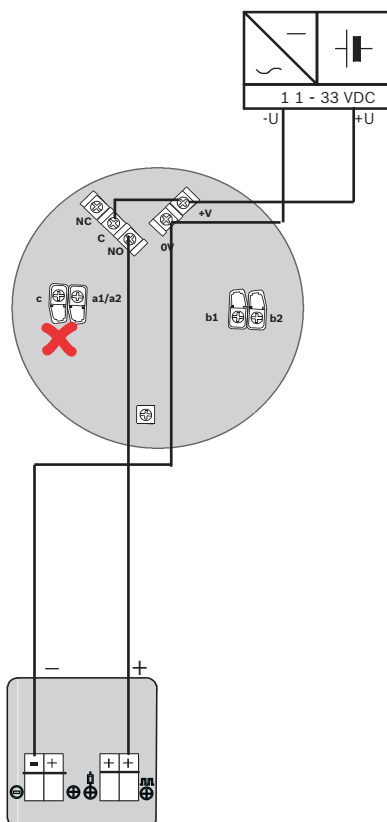


FAA-MSR-420



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

Moduli funkcija



BCM-0000-B, stranica 49

CZM 0004 A, stranica 51

ENO 0000 A/B, stranica 55

LSN 0300 A, stranica 62

NZM 0002 A, stranica 97

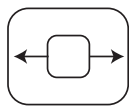
RMH 0002 A, stranica 113

IOS 0020 A, stranica 116

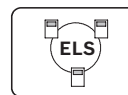
FPE-5000-UGM, stranica 131

3.3.1

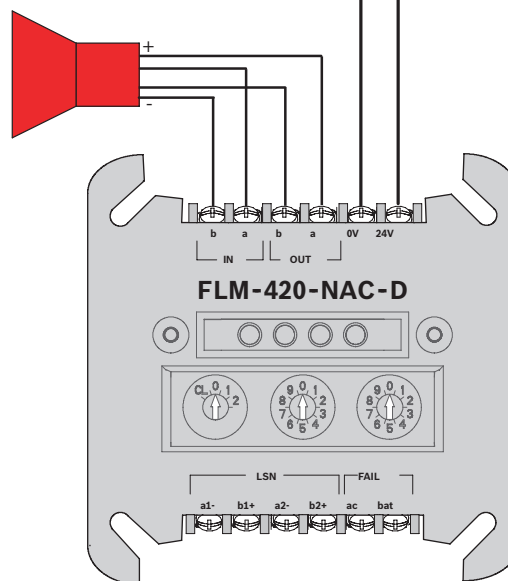
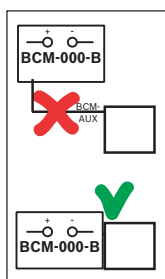
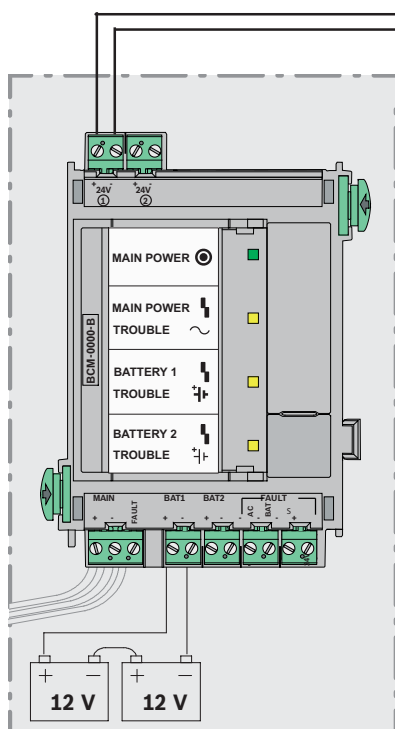
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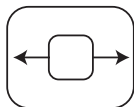
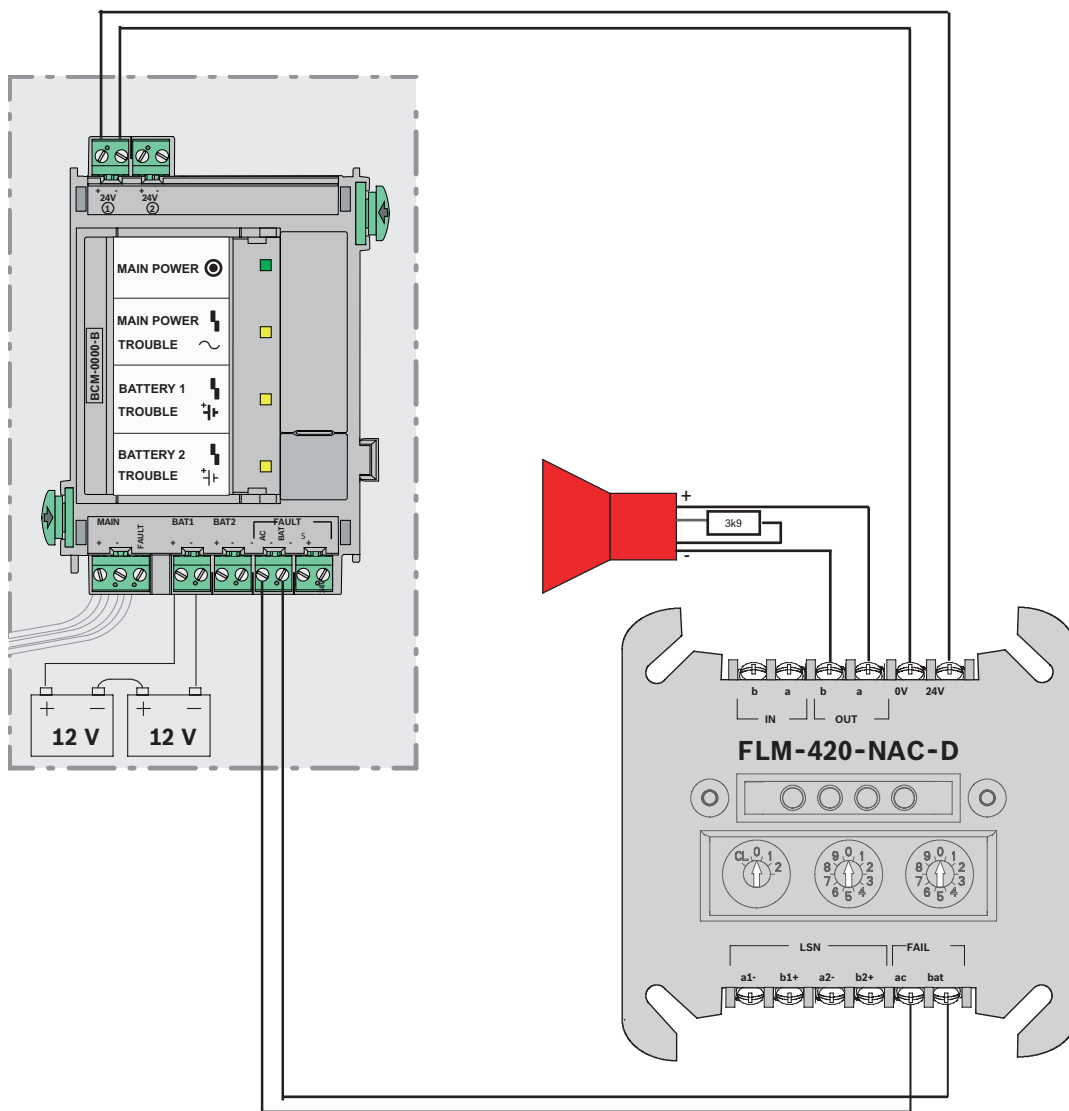
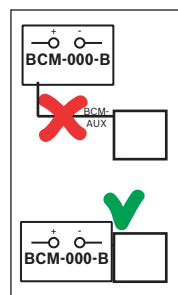
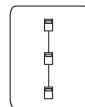


FLM-420-NAC-D



VdS 2489



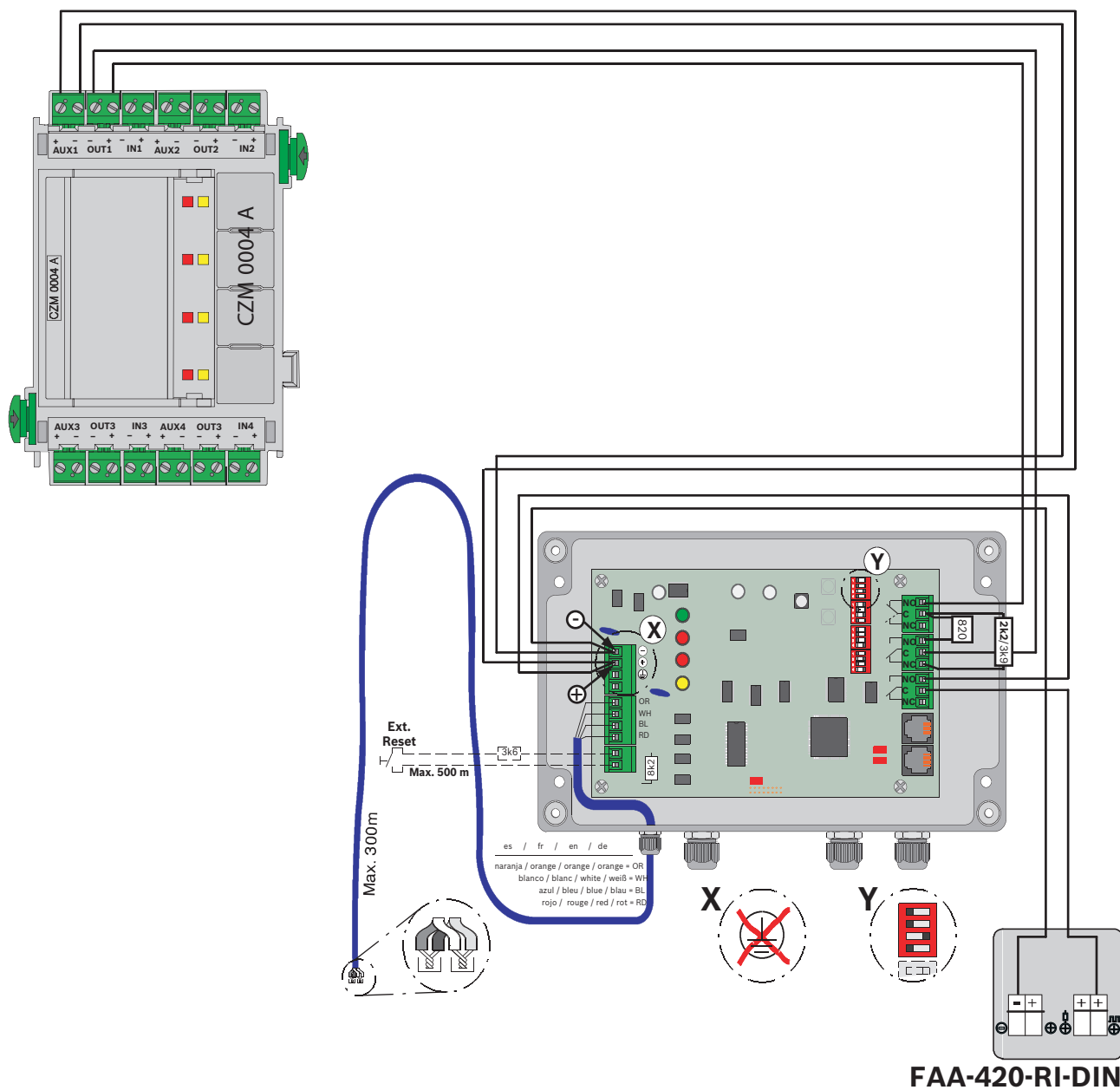
**FLM-420-NAC-D**

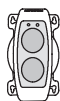
3.3.2

CZM 0004 A

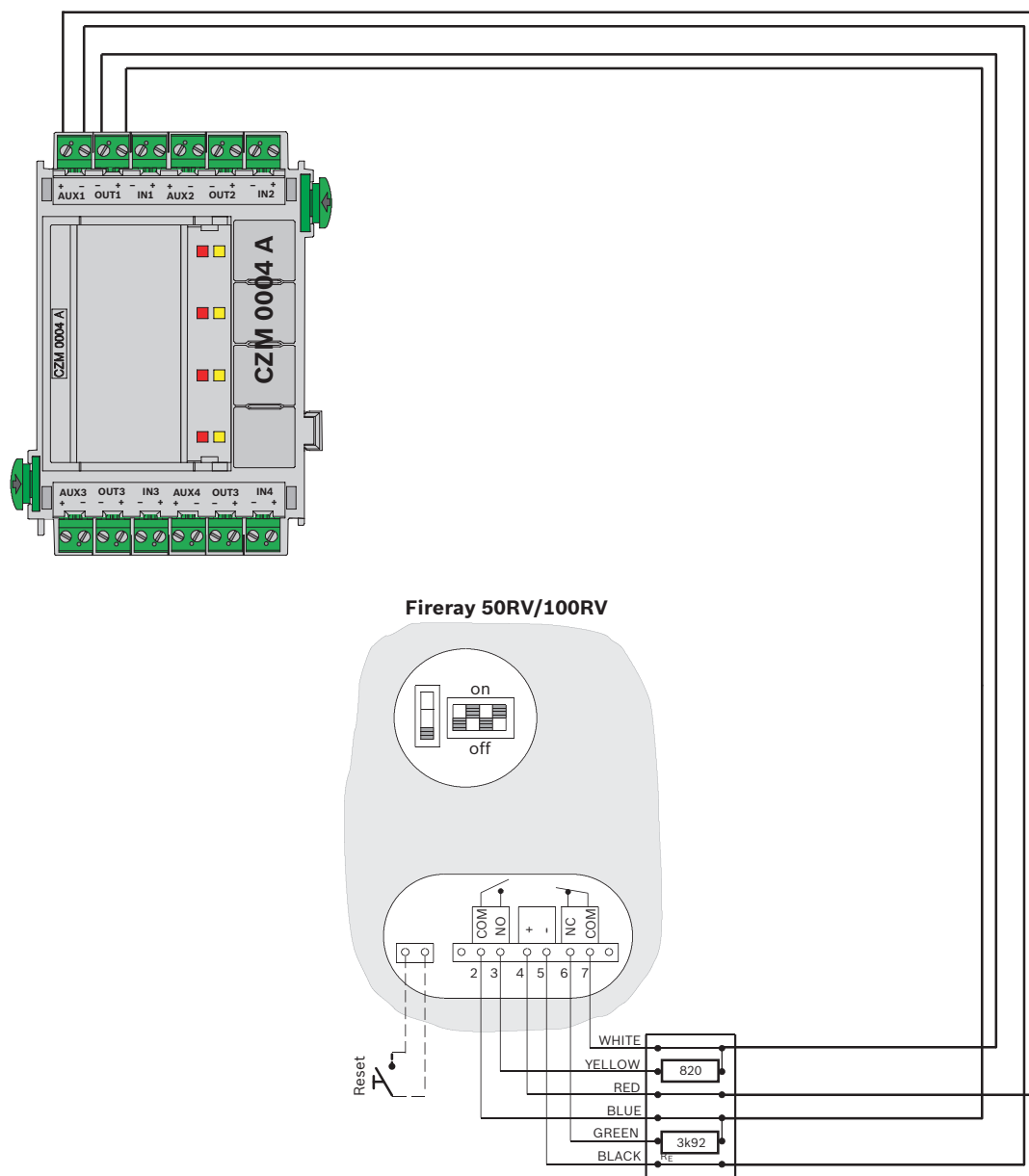


FCS-LWM-1



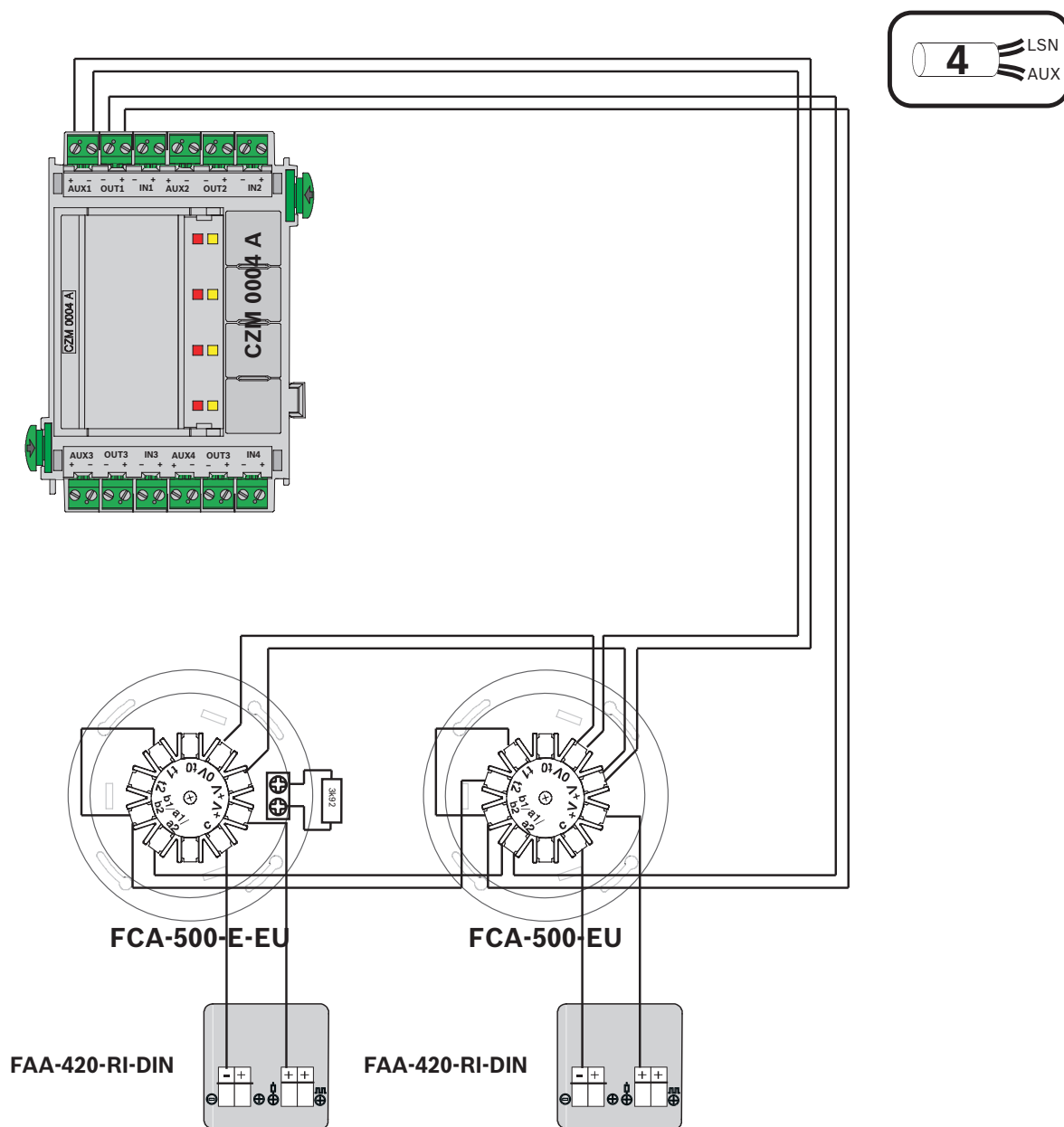
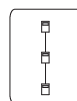


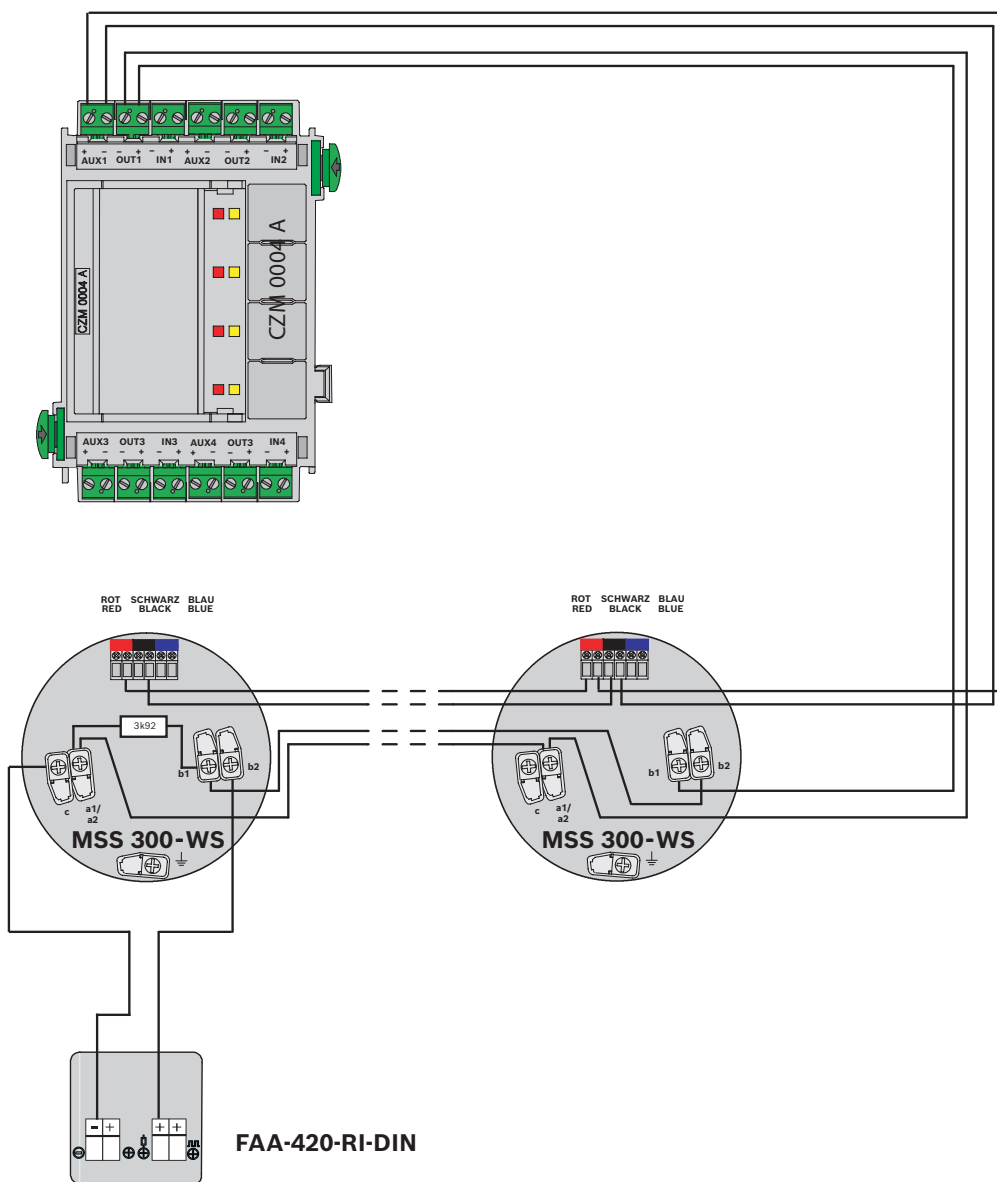
Fireray 50RV
Fireray 100RV





FCP-500



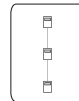
**MSS 300-WS**

3.3.3

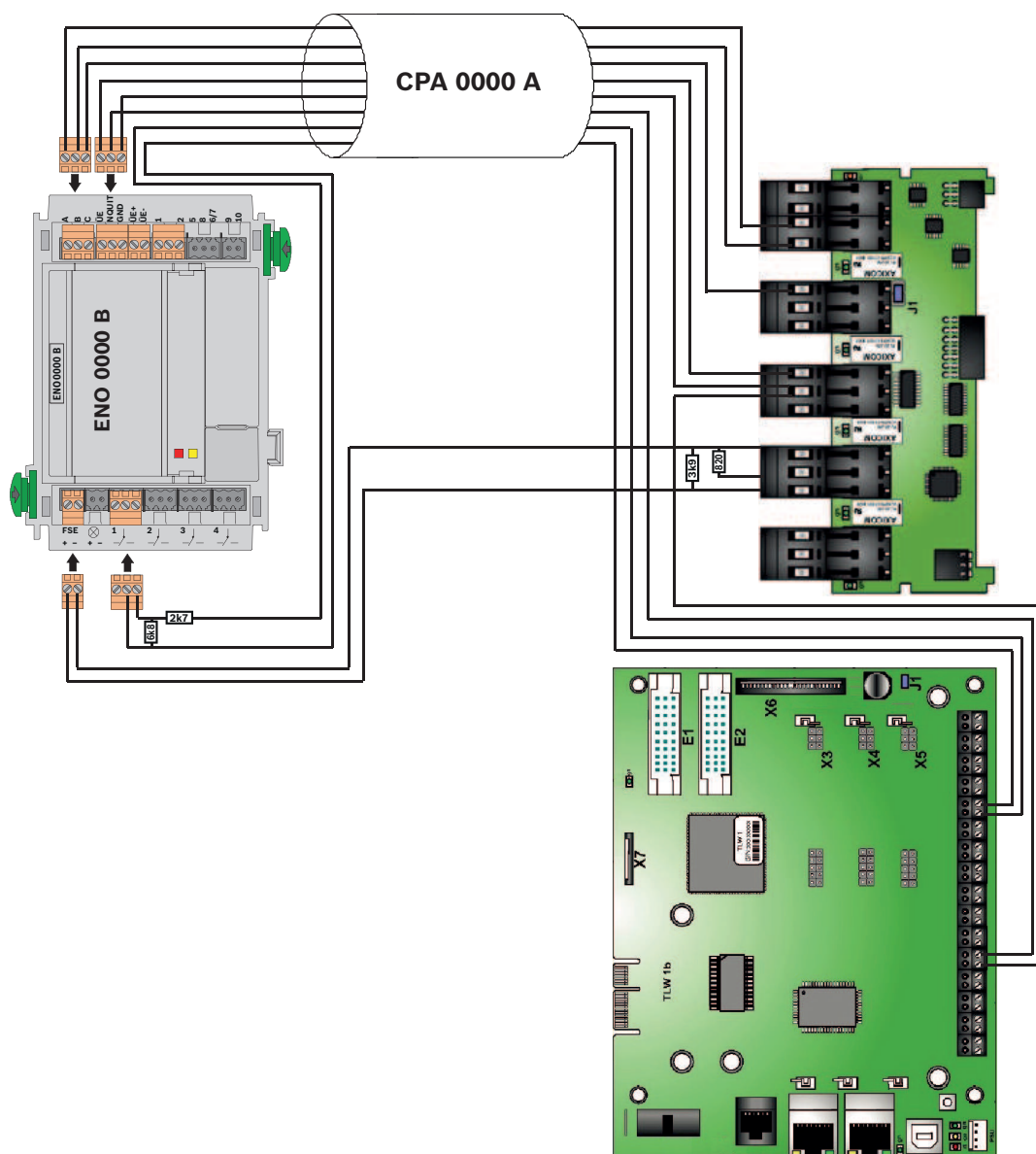
ENO 0000 A/B

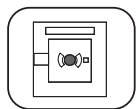


AT5000 IP/GPRS

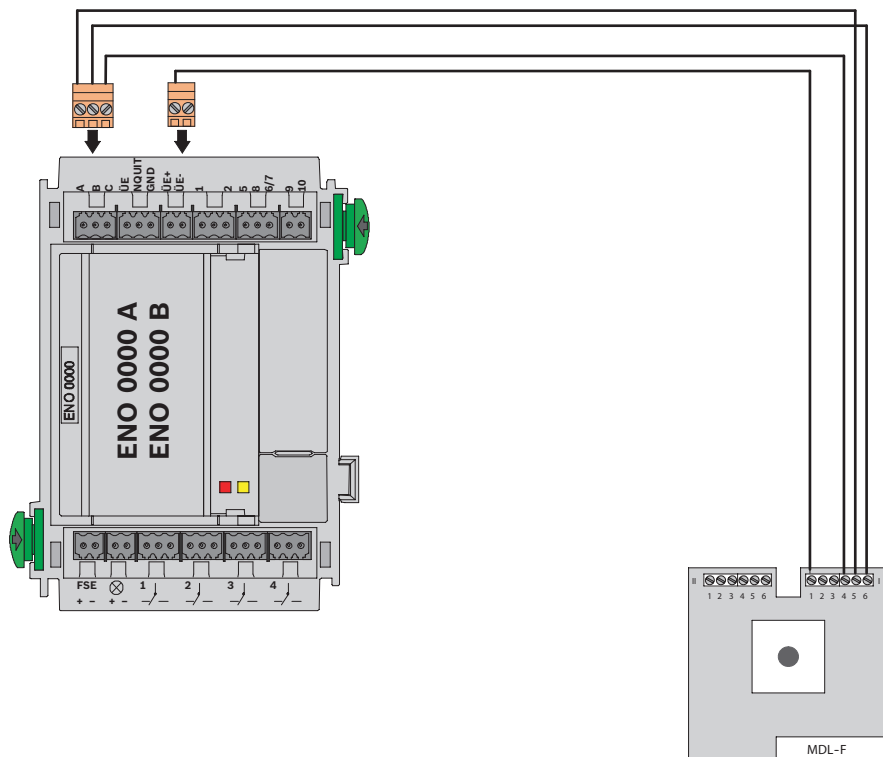


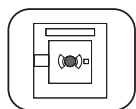
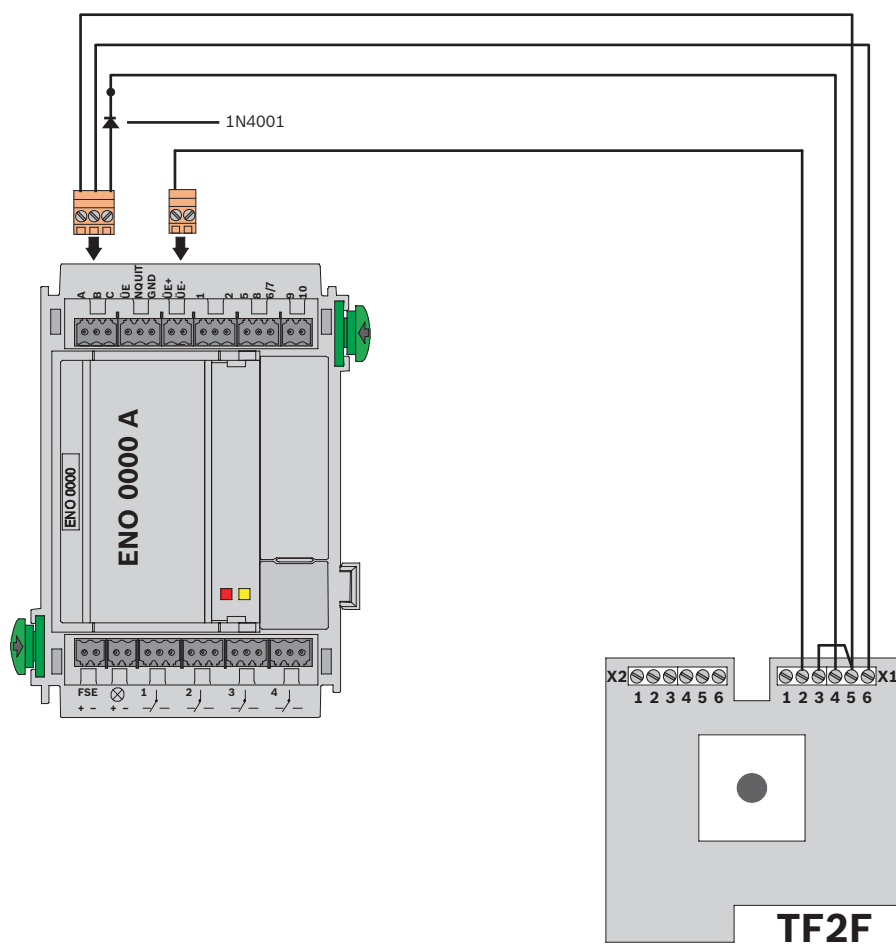
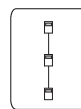
EN 54-2

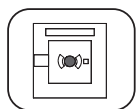




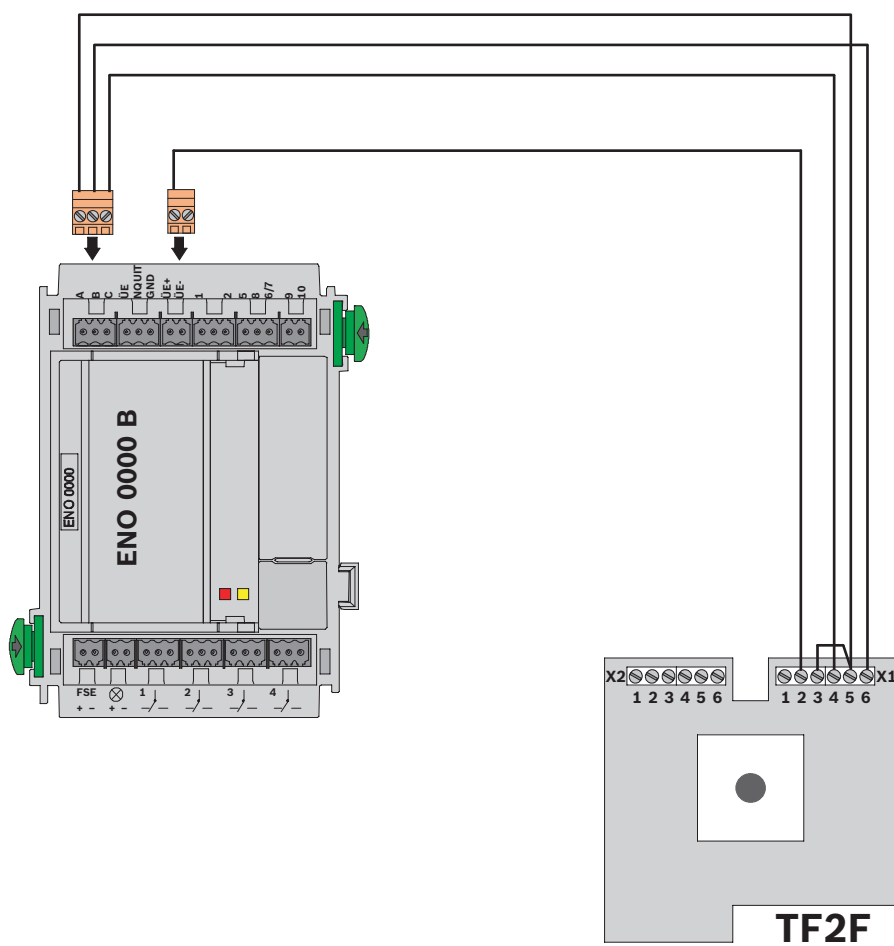
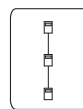
MDL-F

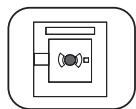
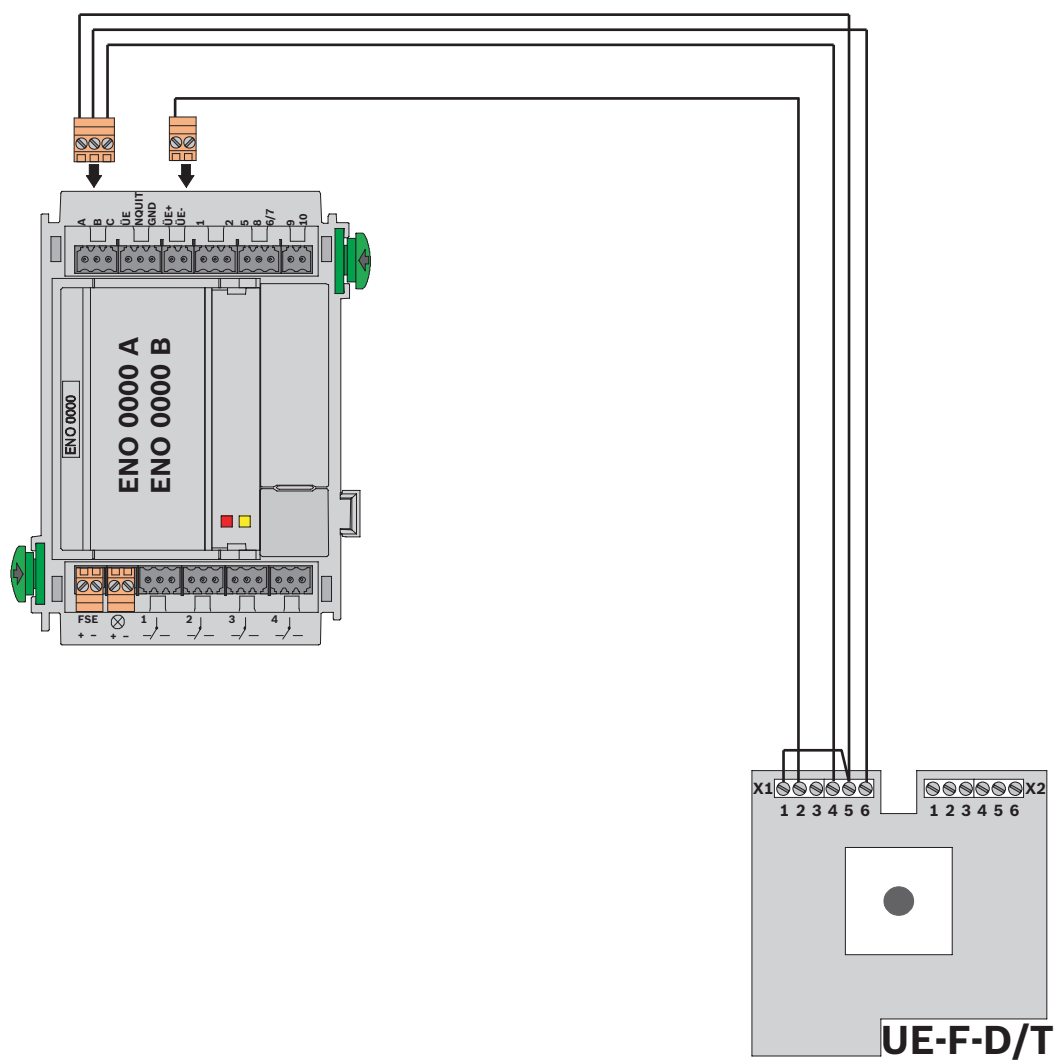


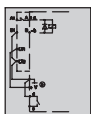
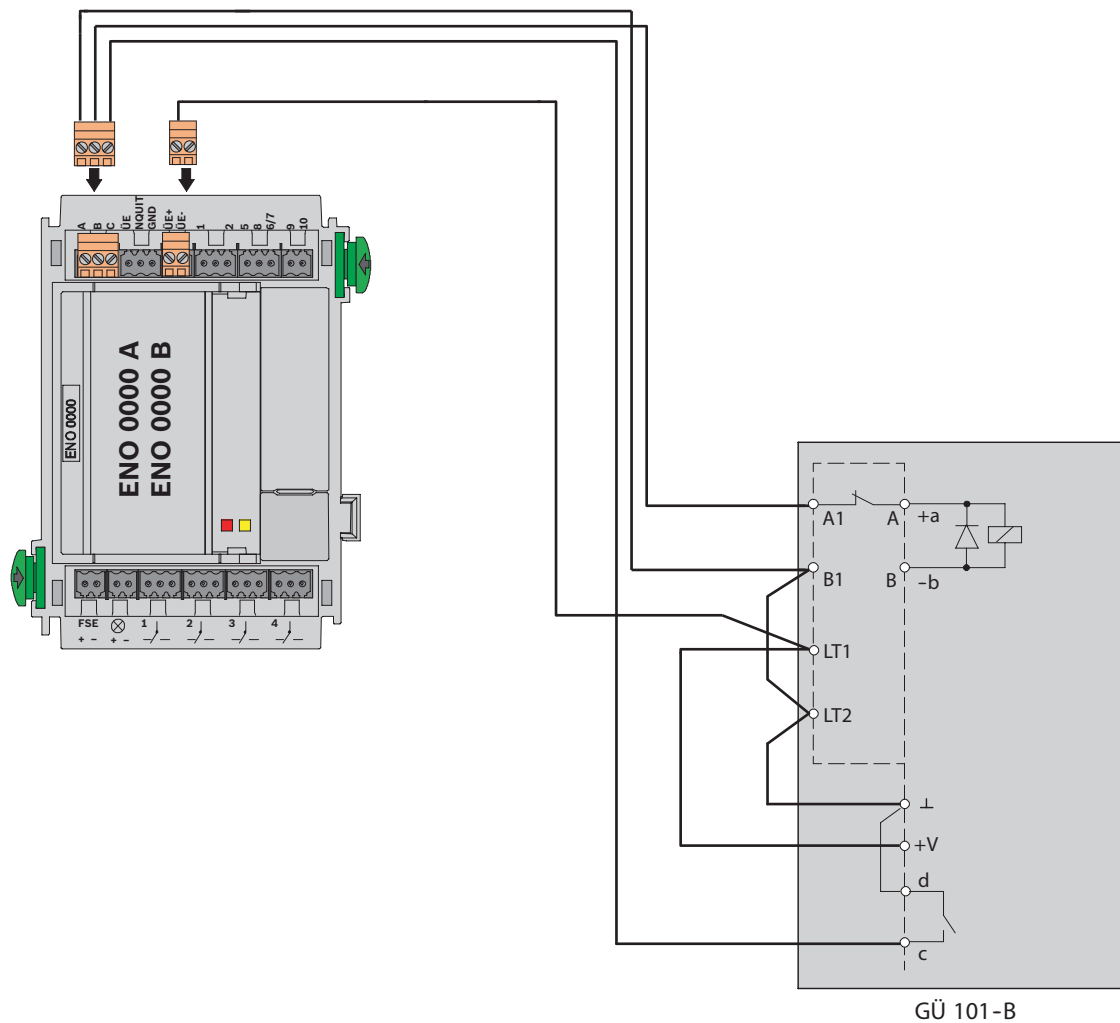
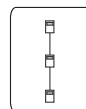
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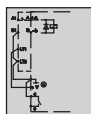
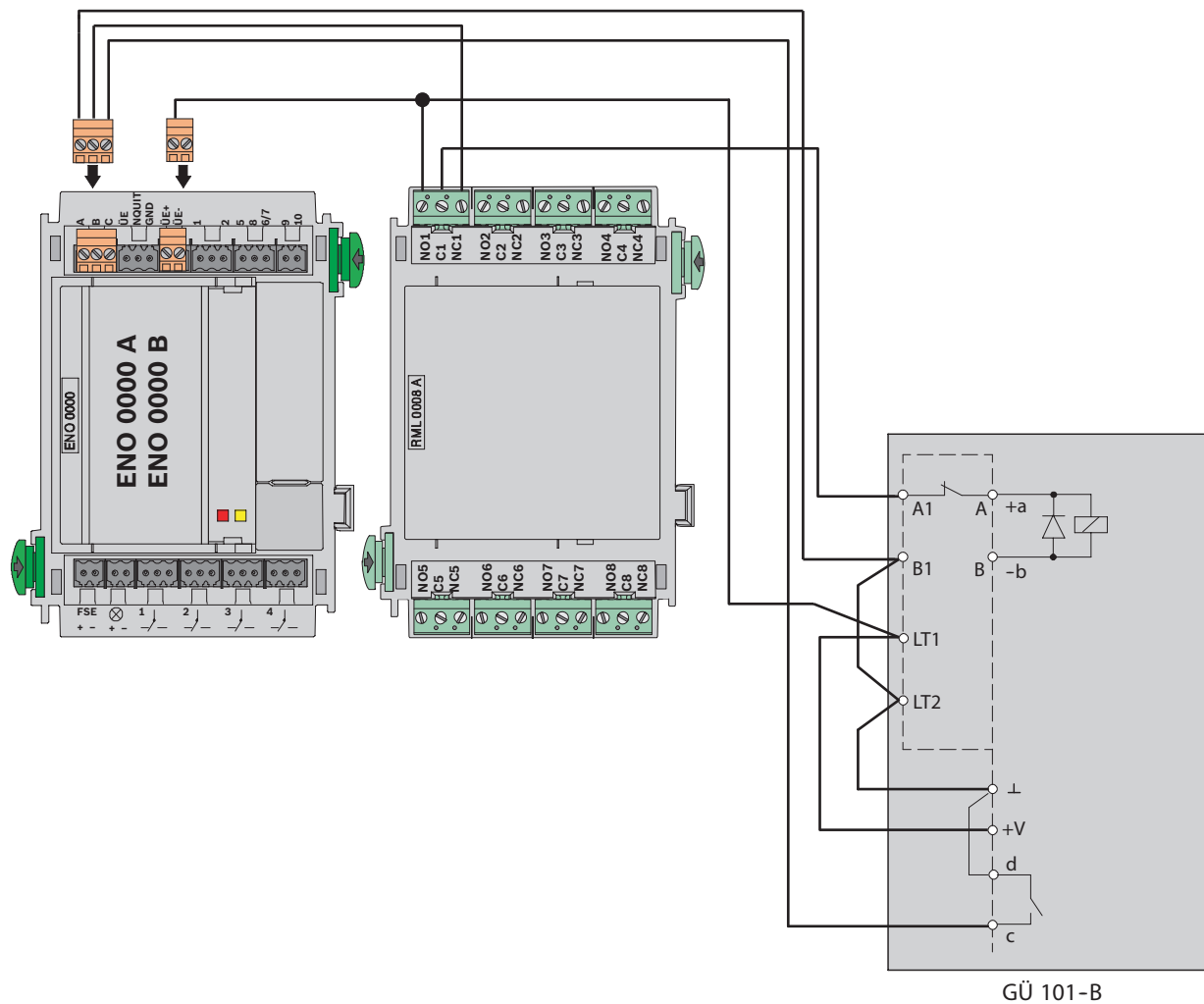
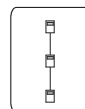


TF2F



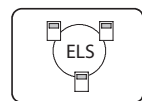
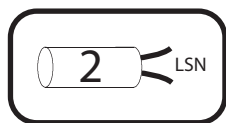
**UE-F-D/T**

**GÜ 101-B****GÜ 101-B**

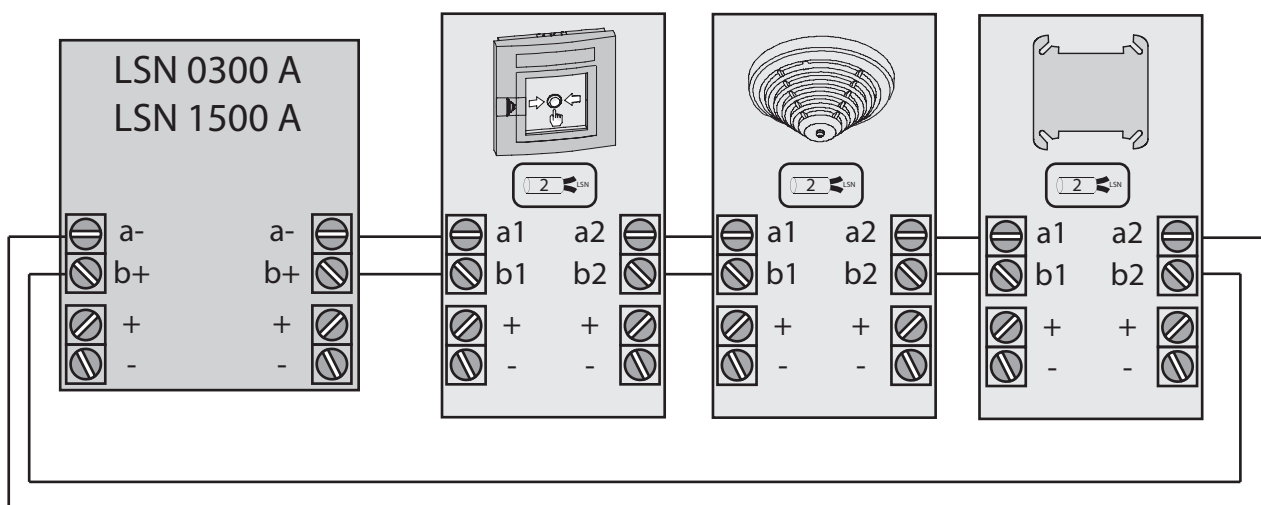
**GÜ 101-B**

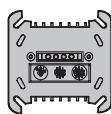
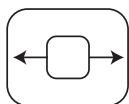
3.3.4

LSN 0300 A

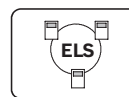


VdS 2489

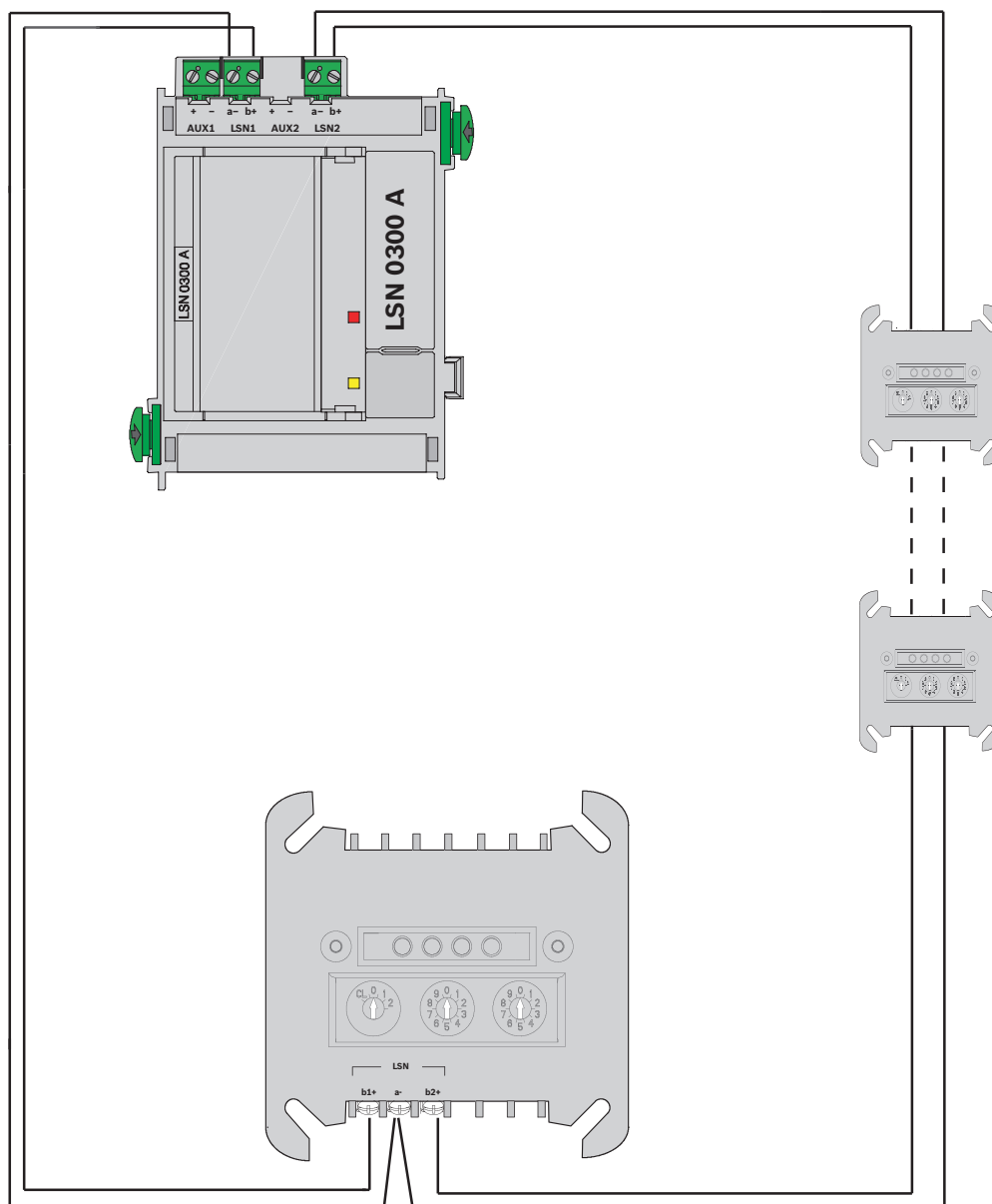


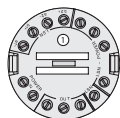
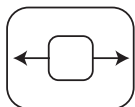


FLM-I 420-S
FLM-420-I2-D
FLM-420-O1I1-D
FLM-420-RHV-D/S
FLM-420-RLV1-D

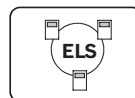


VdS 2489

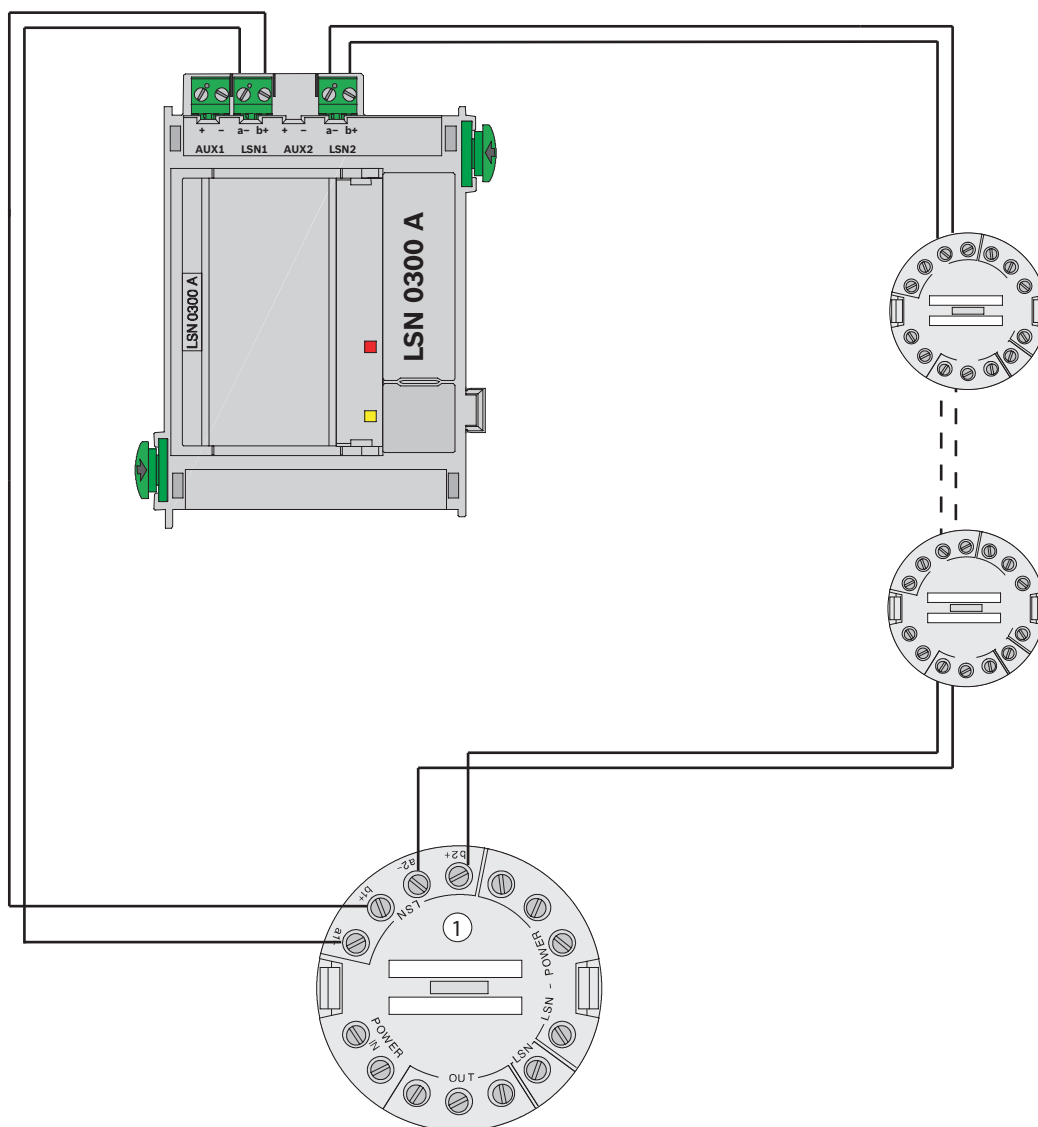


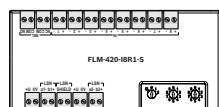
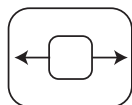


FLM-420-I2-E/W
FLM-420-RLV1-E

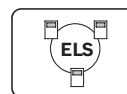


VdS 2489

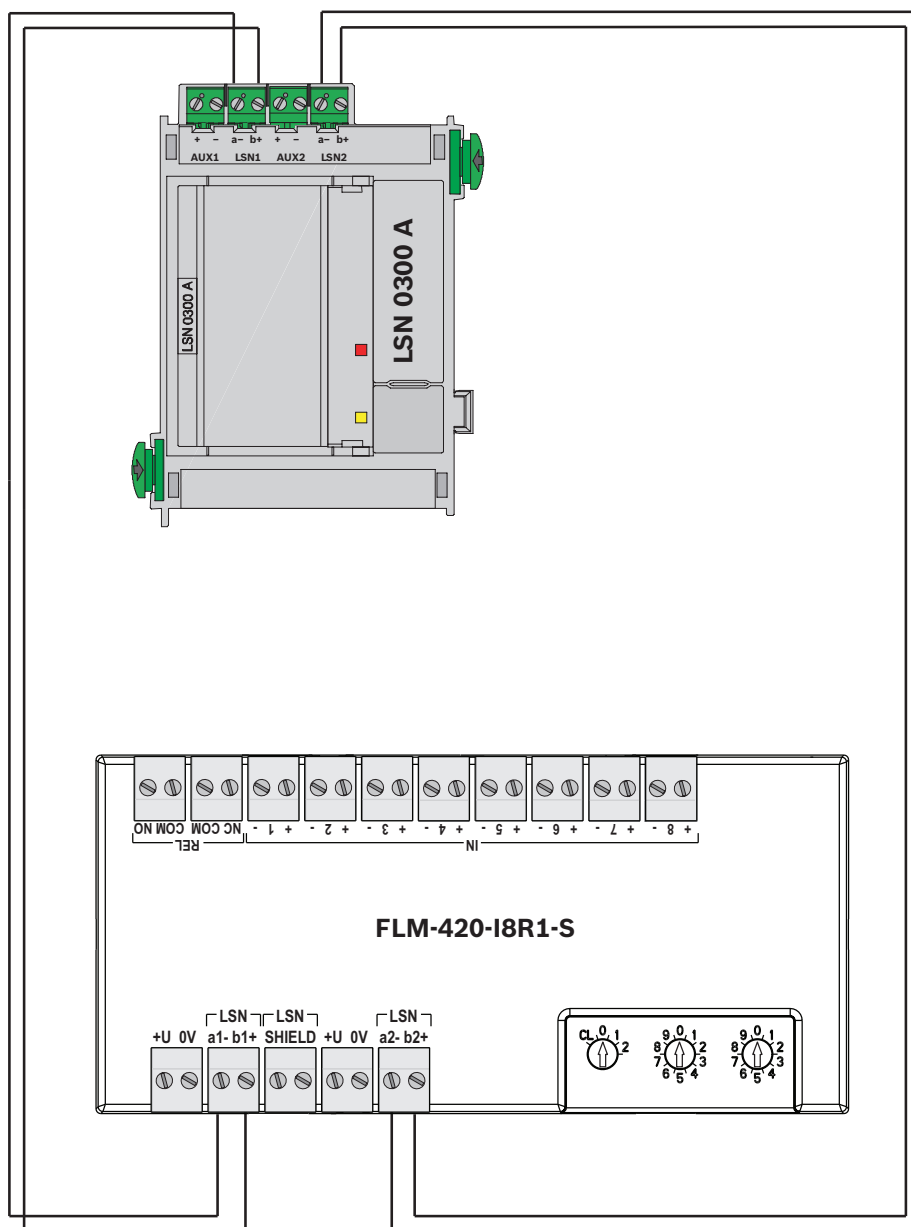


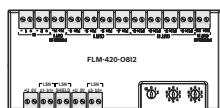
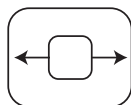


FLM-420-I8R1-S

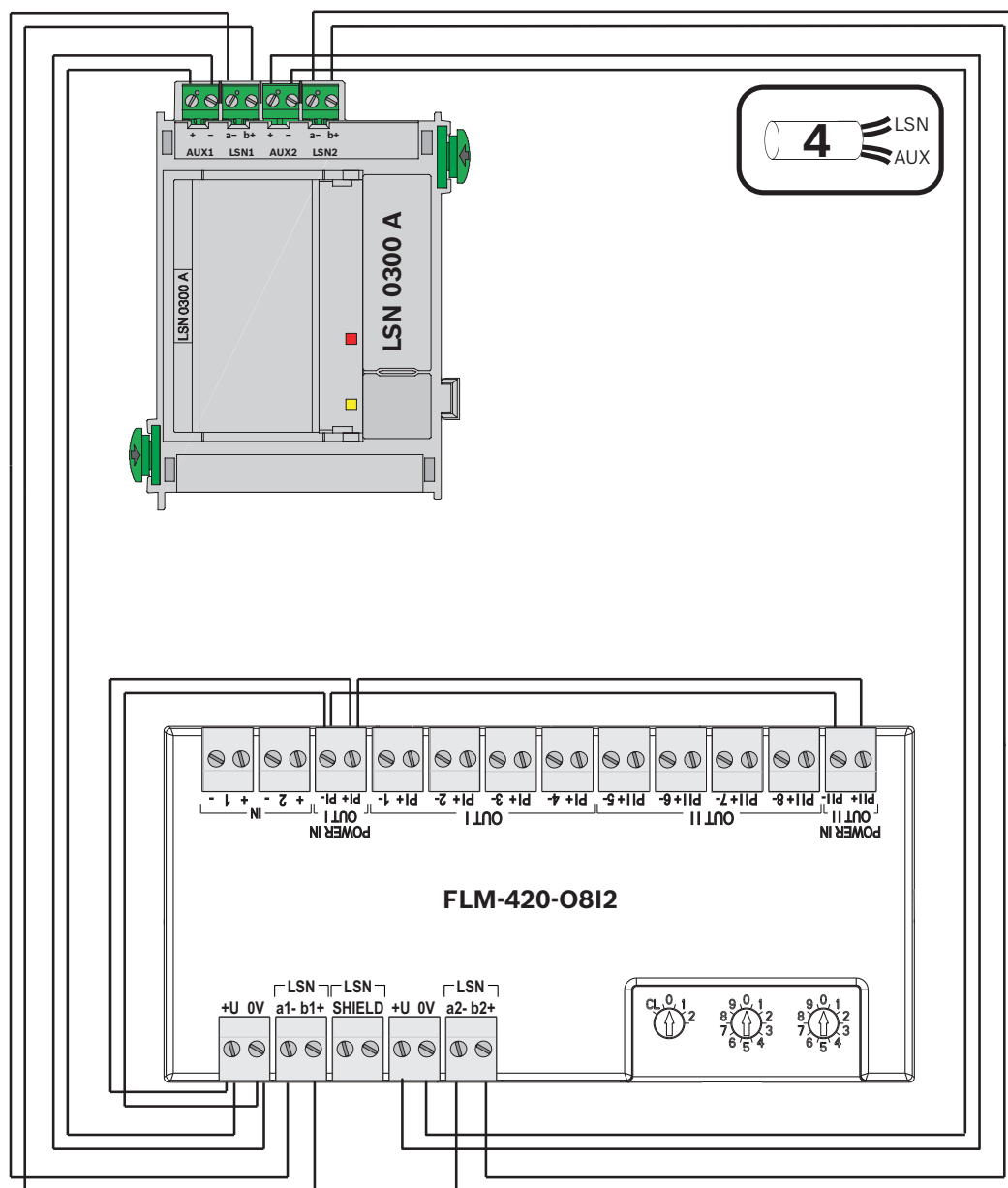
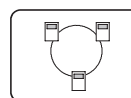


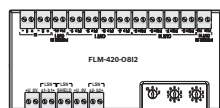
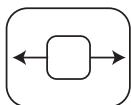
VdS 2489



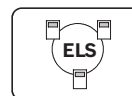


FLM-420-O8I2-S

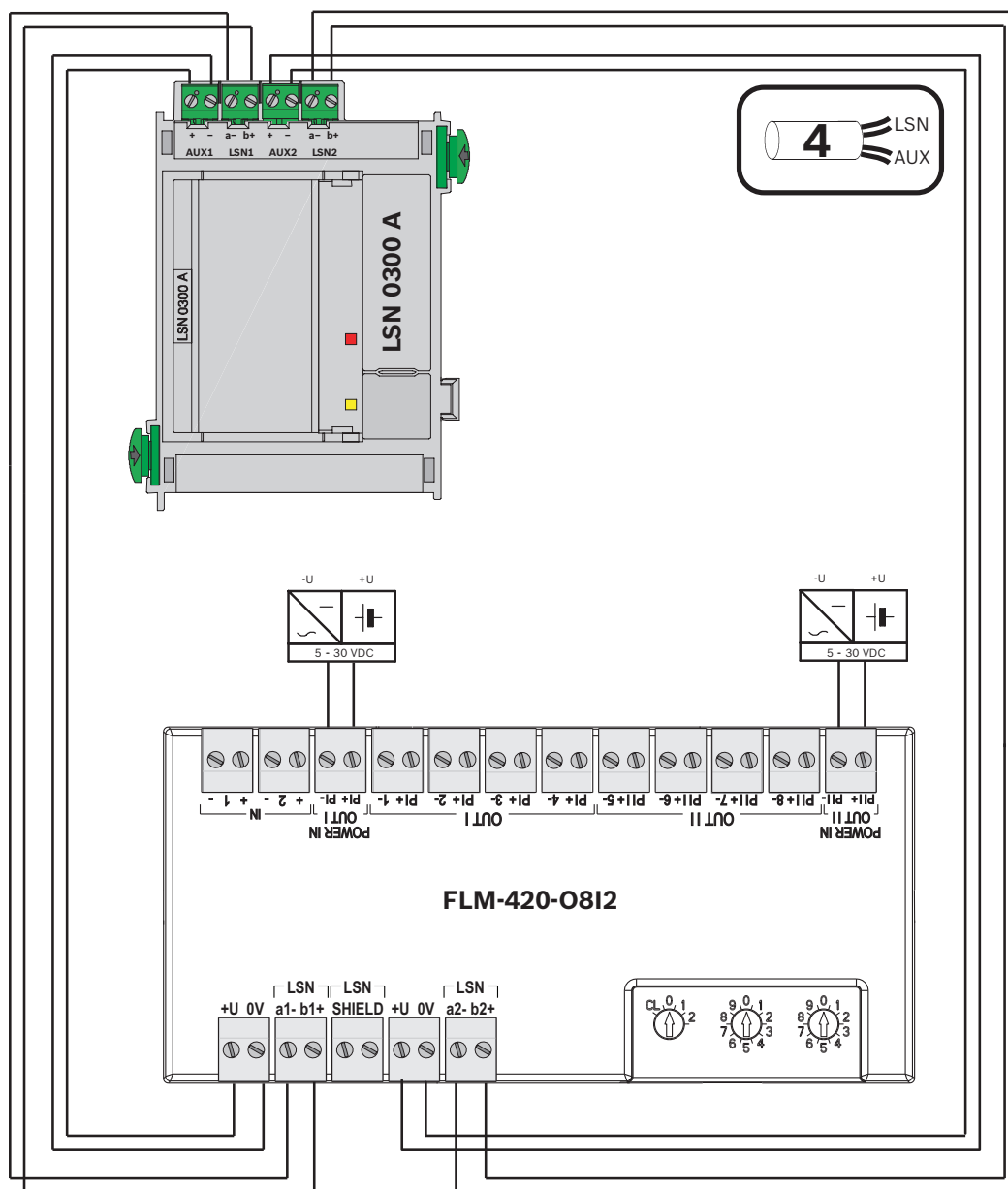


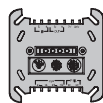
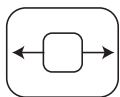


FLM-420-O8I2-S

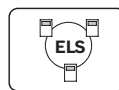


VdS 2489

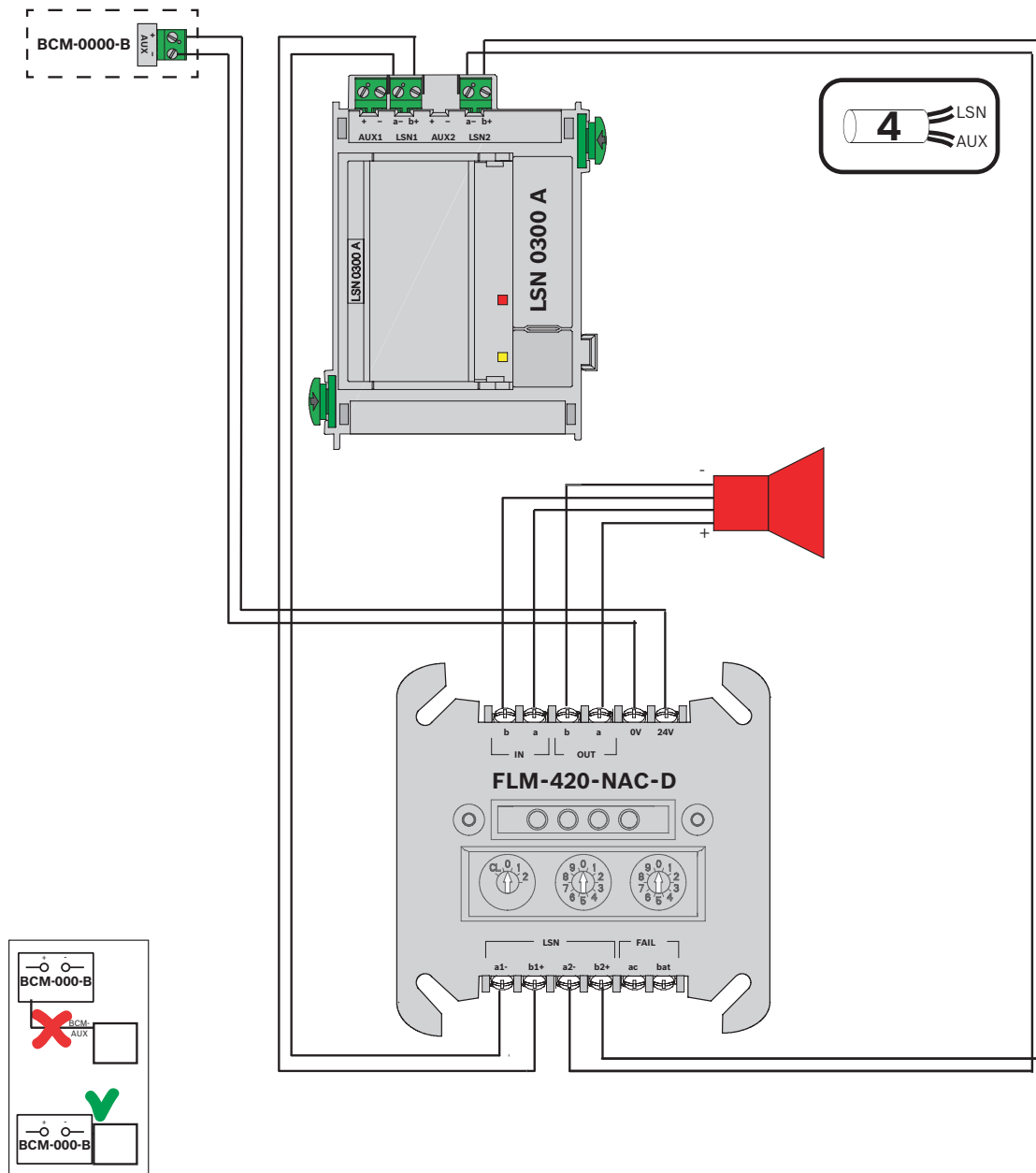


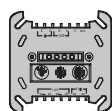
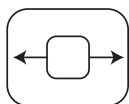
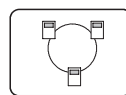
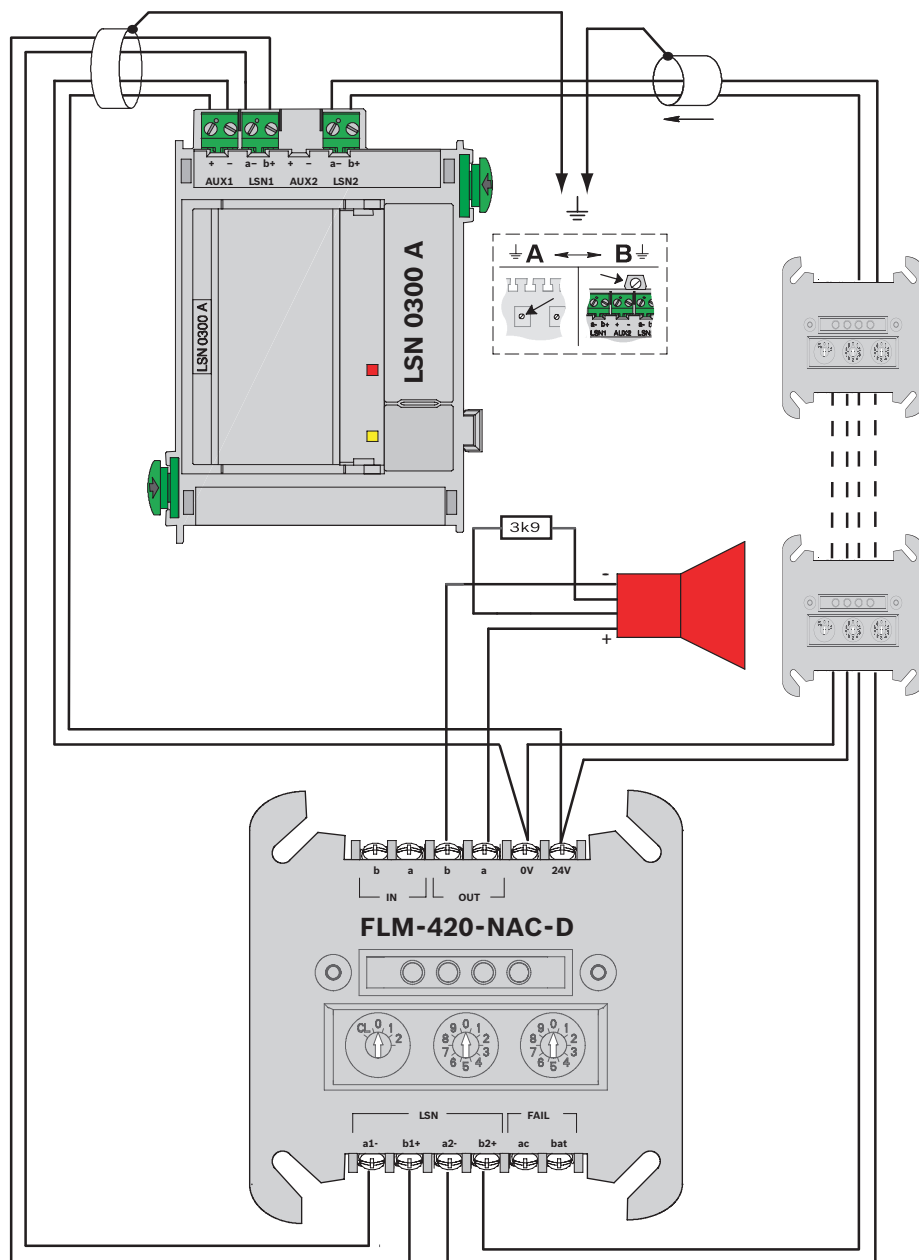


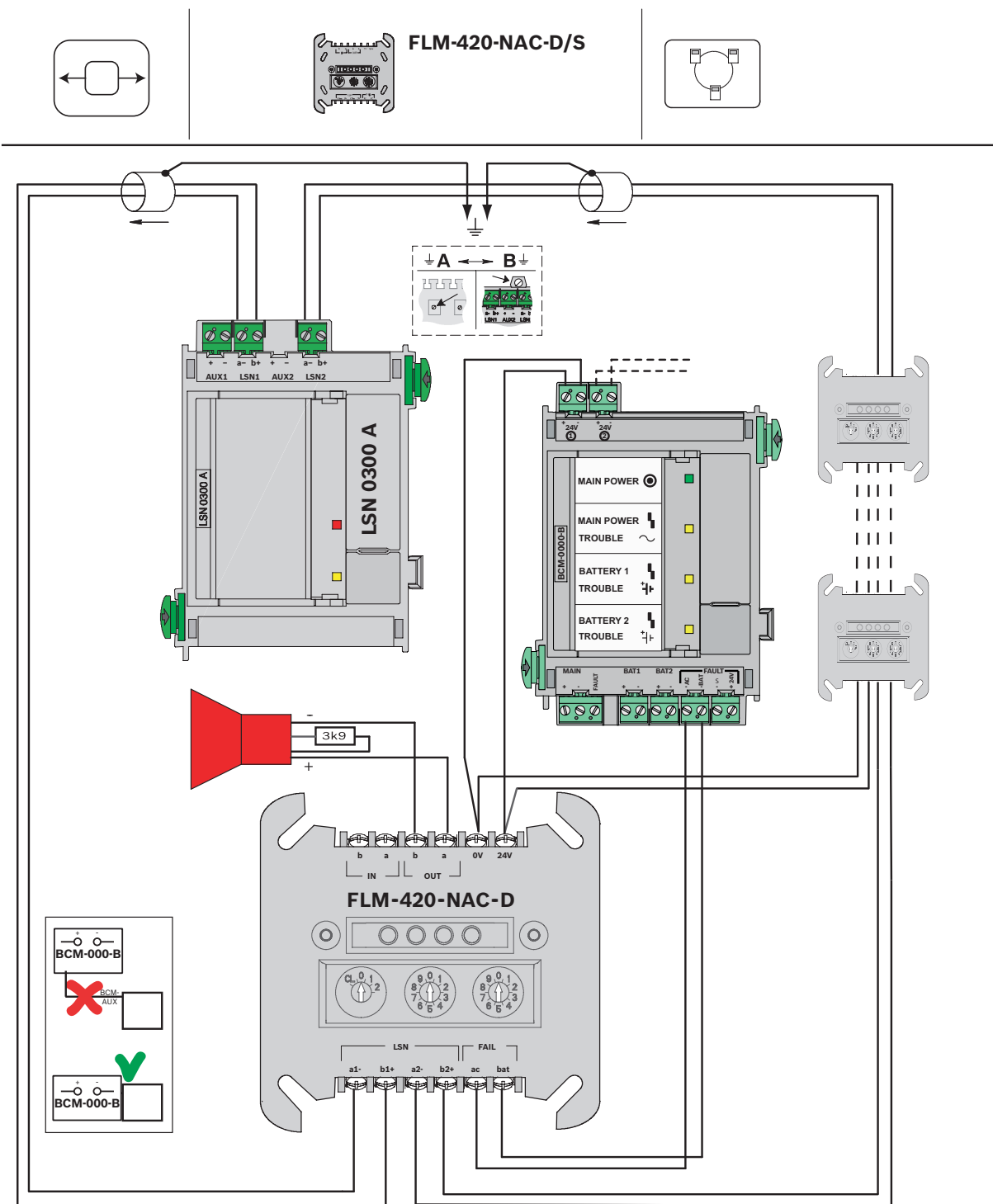
FLM-420-NAC-D/S

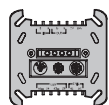
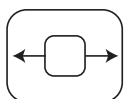


VdS 2489

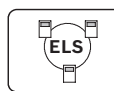


**FLM-420-NAC-D/S****EN 54-2**

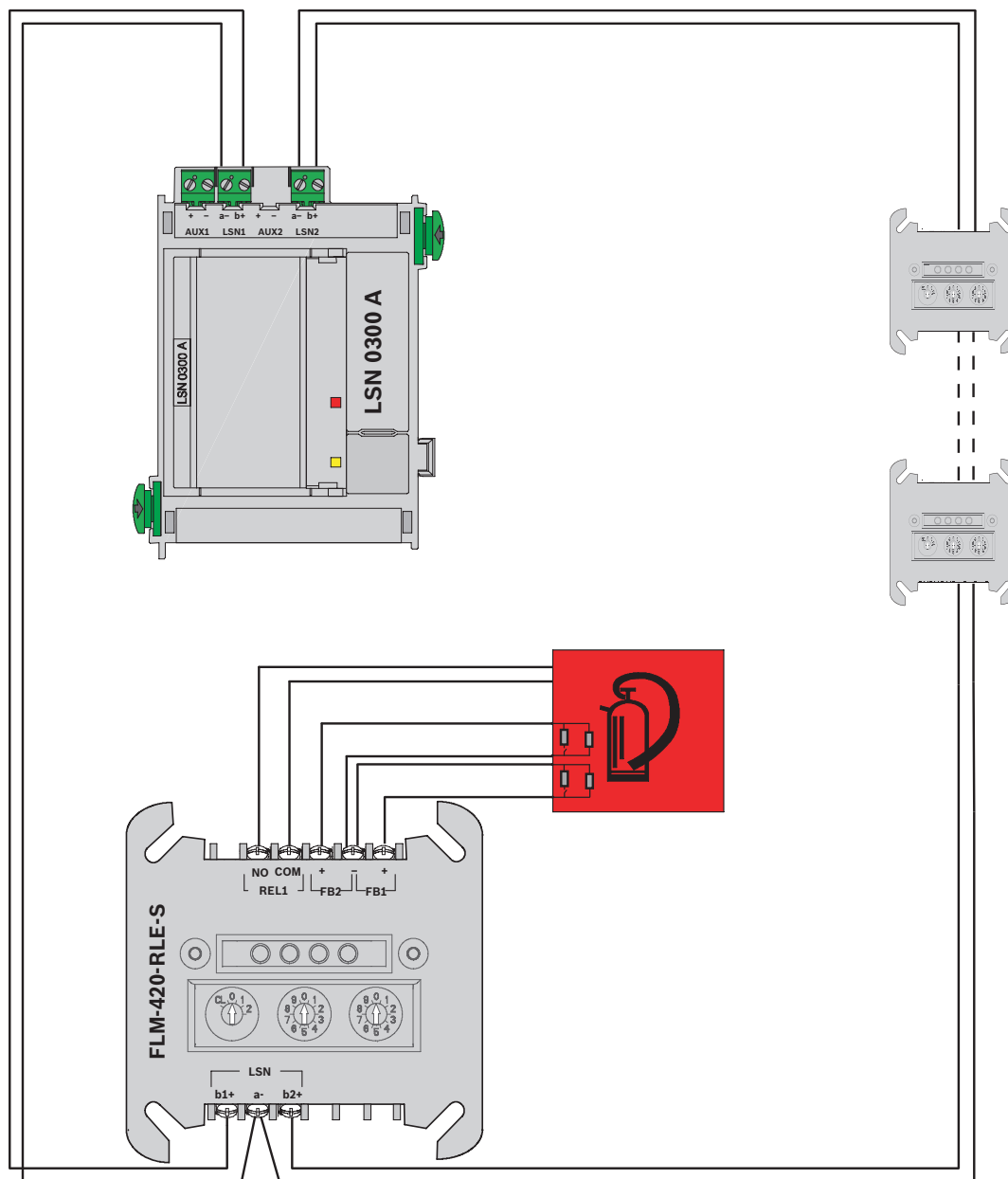


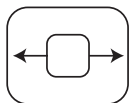


FLM-420-RLE-S

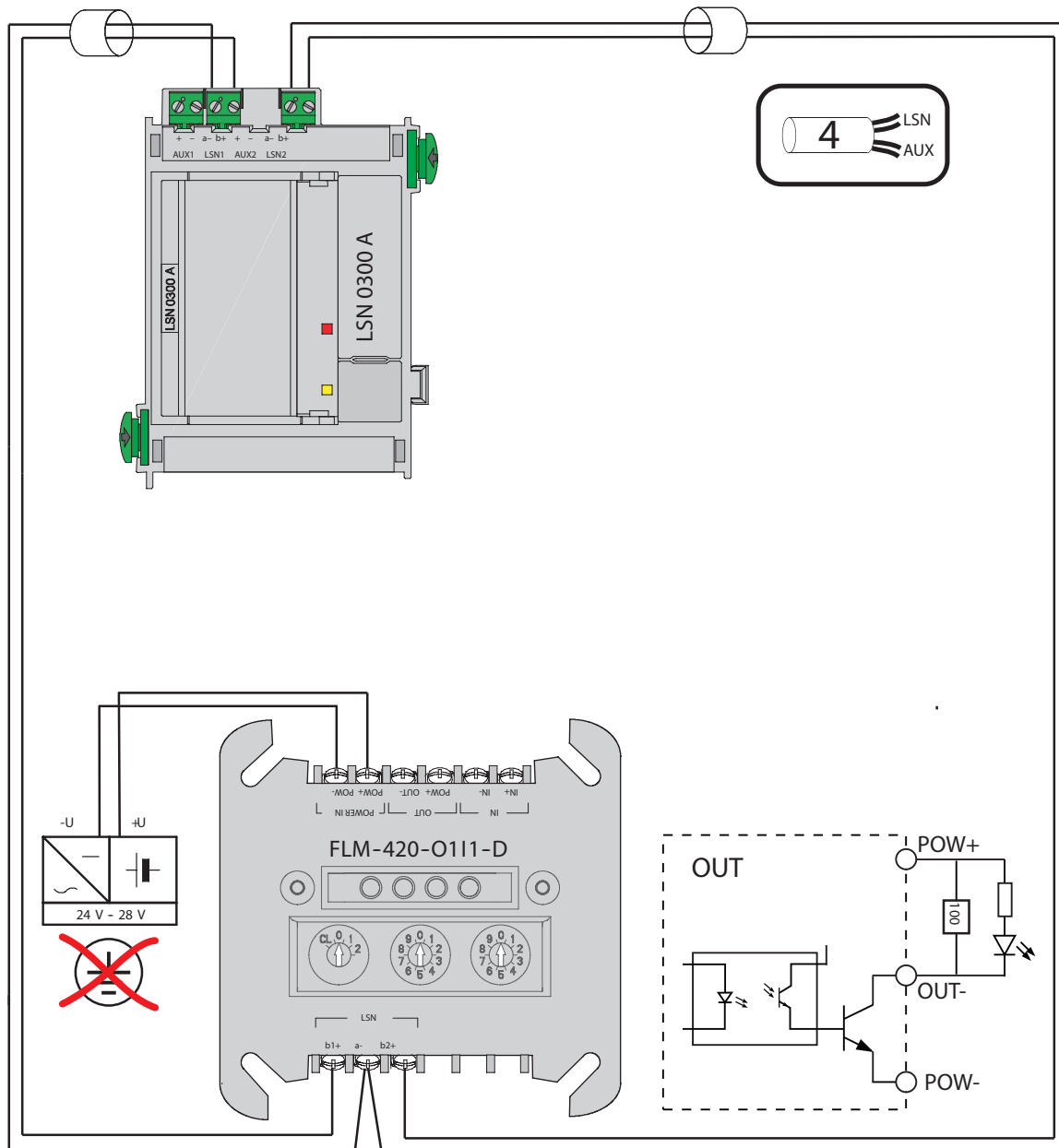
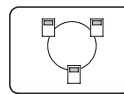


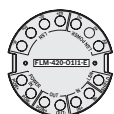
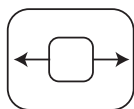
VdS 2489



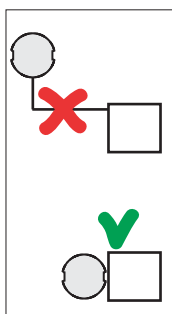
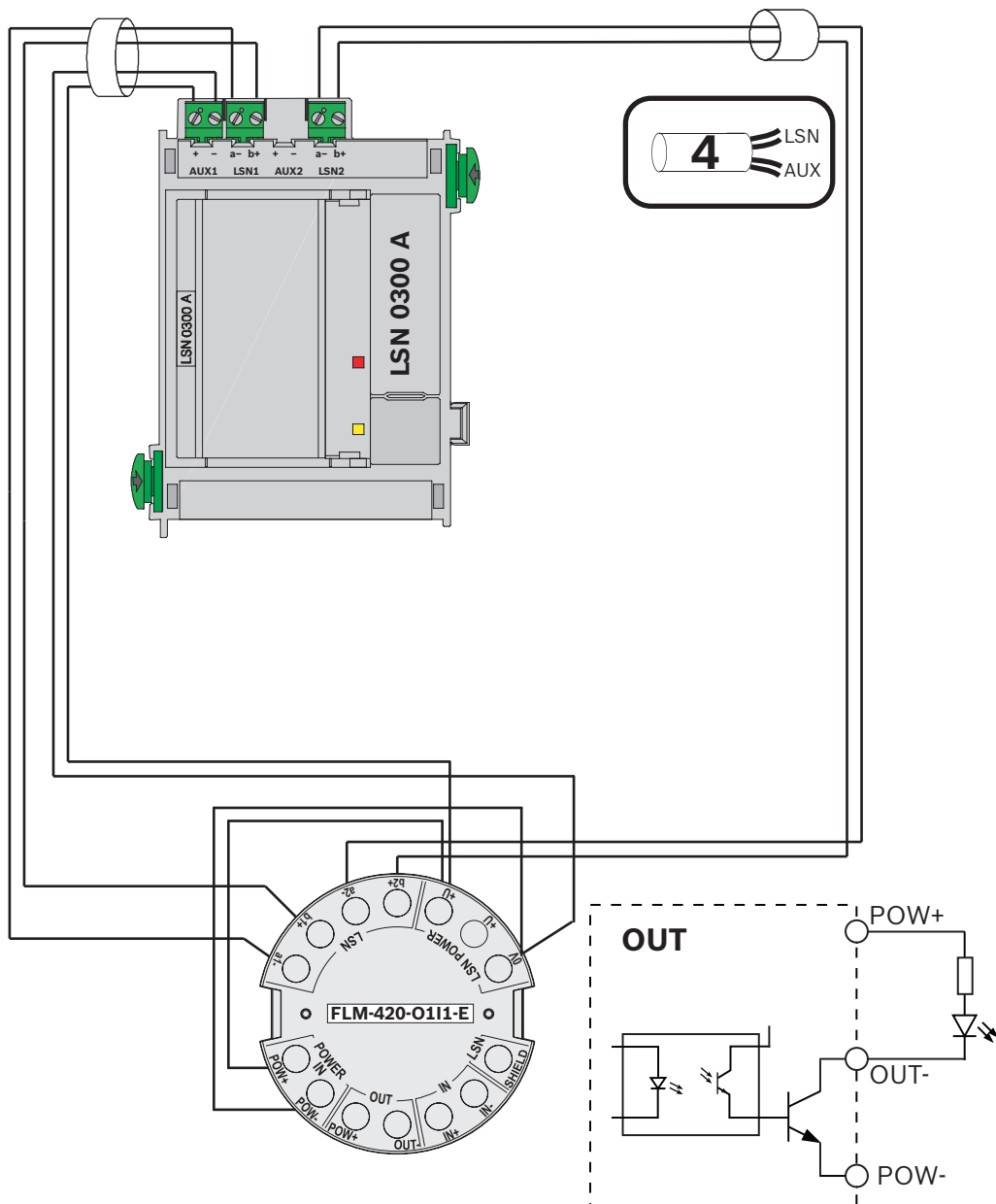
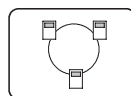


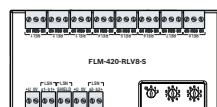
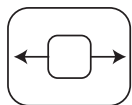
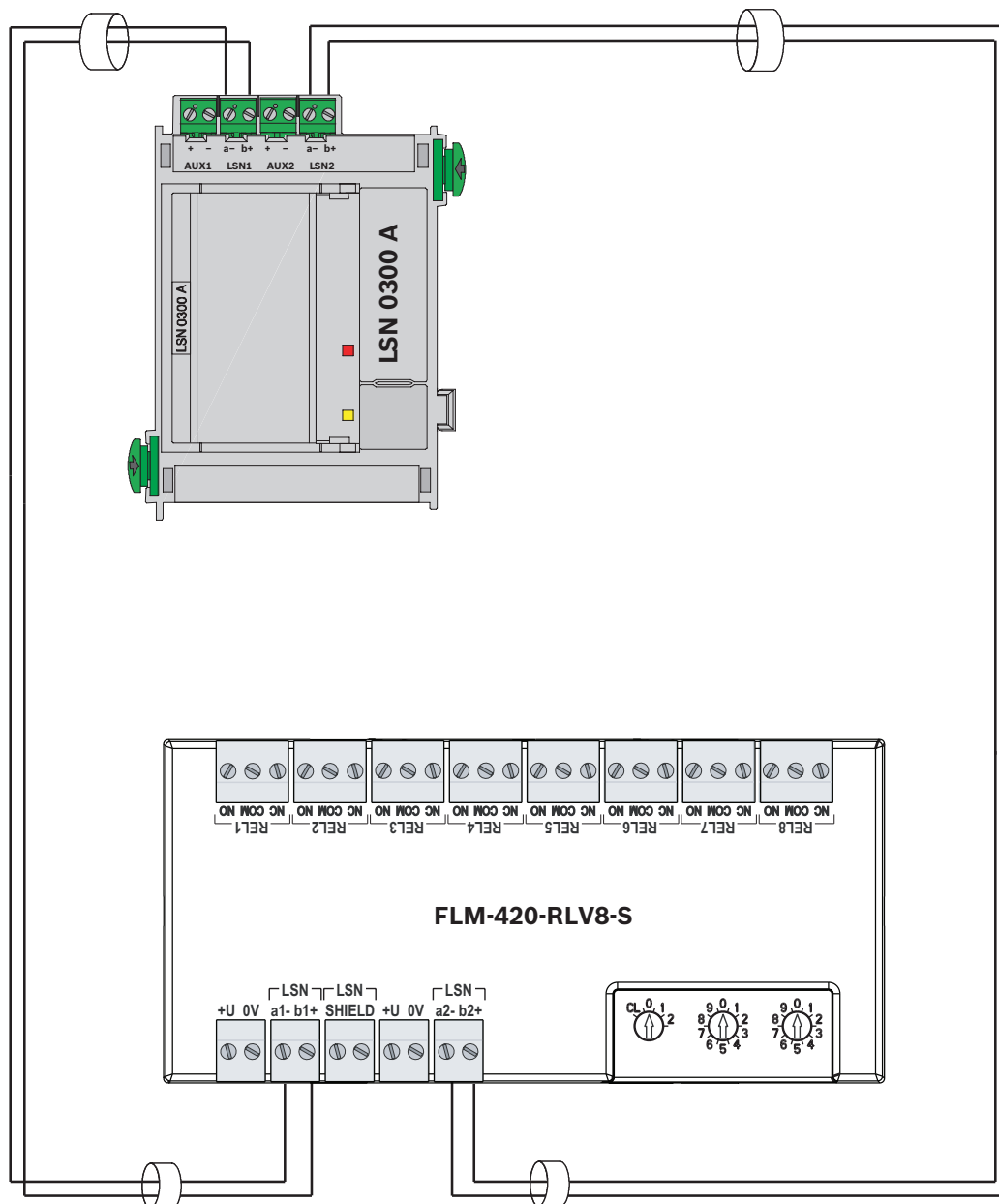
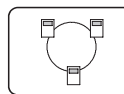
FLM-420-O1I1-D

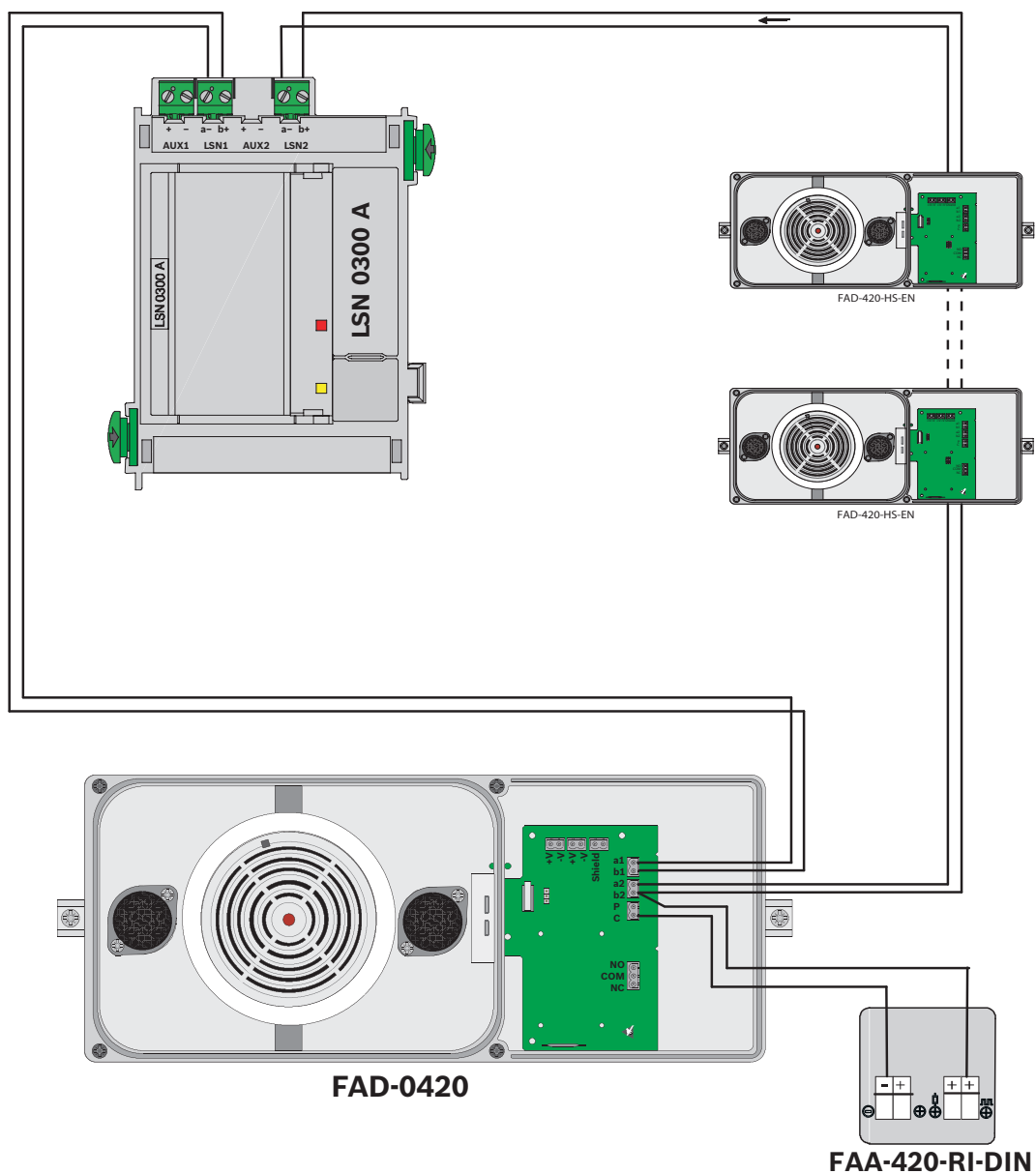


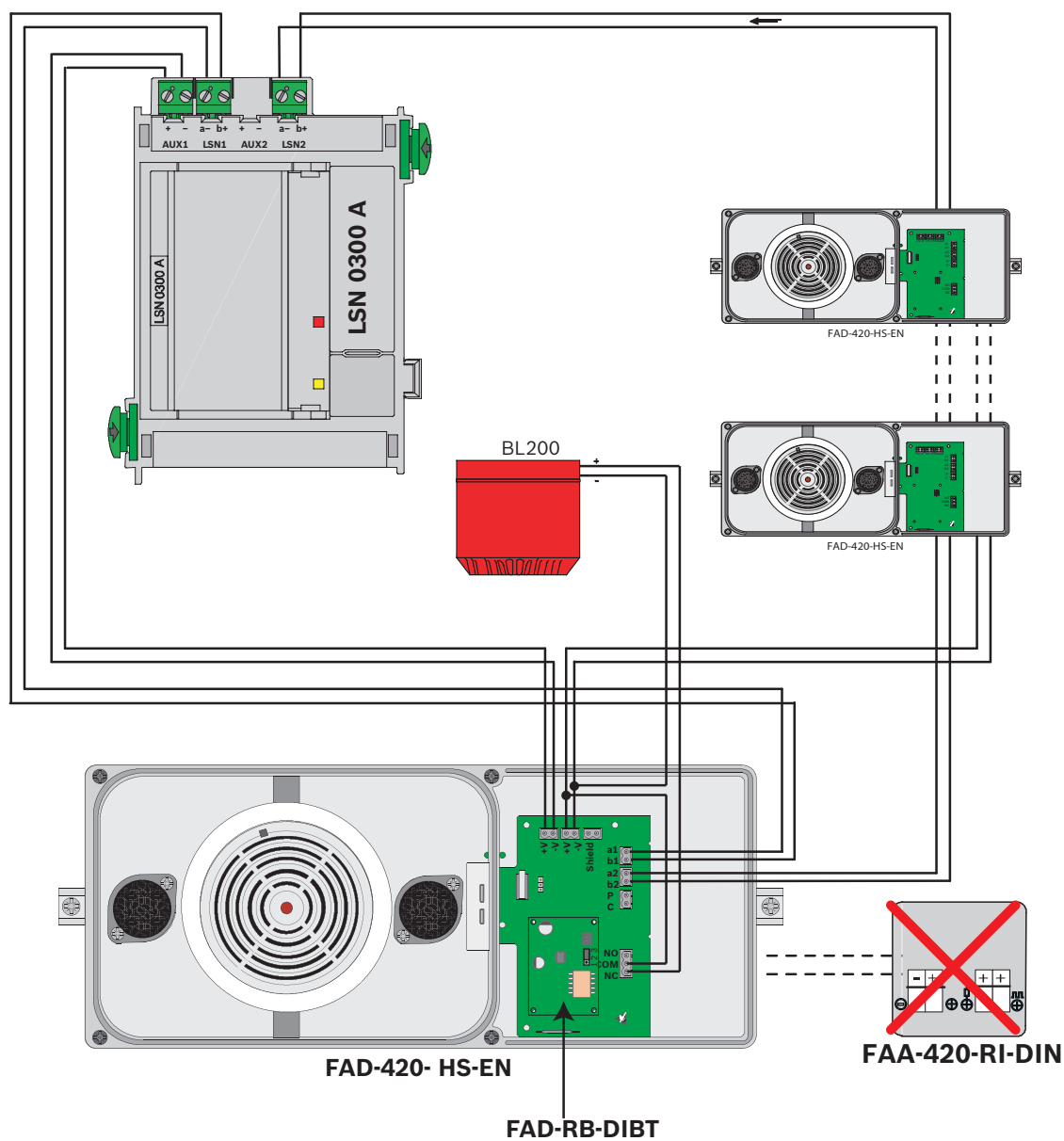


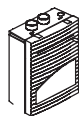
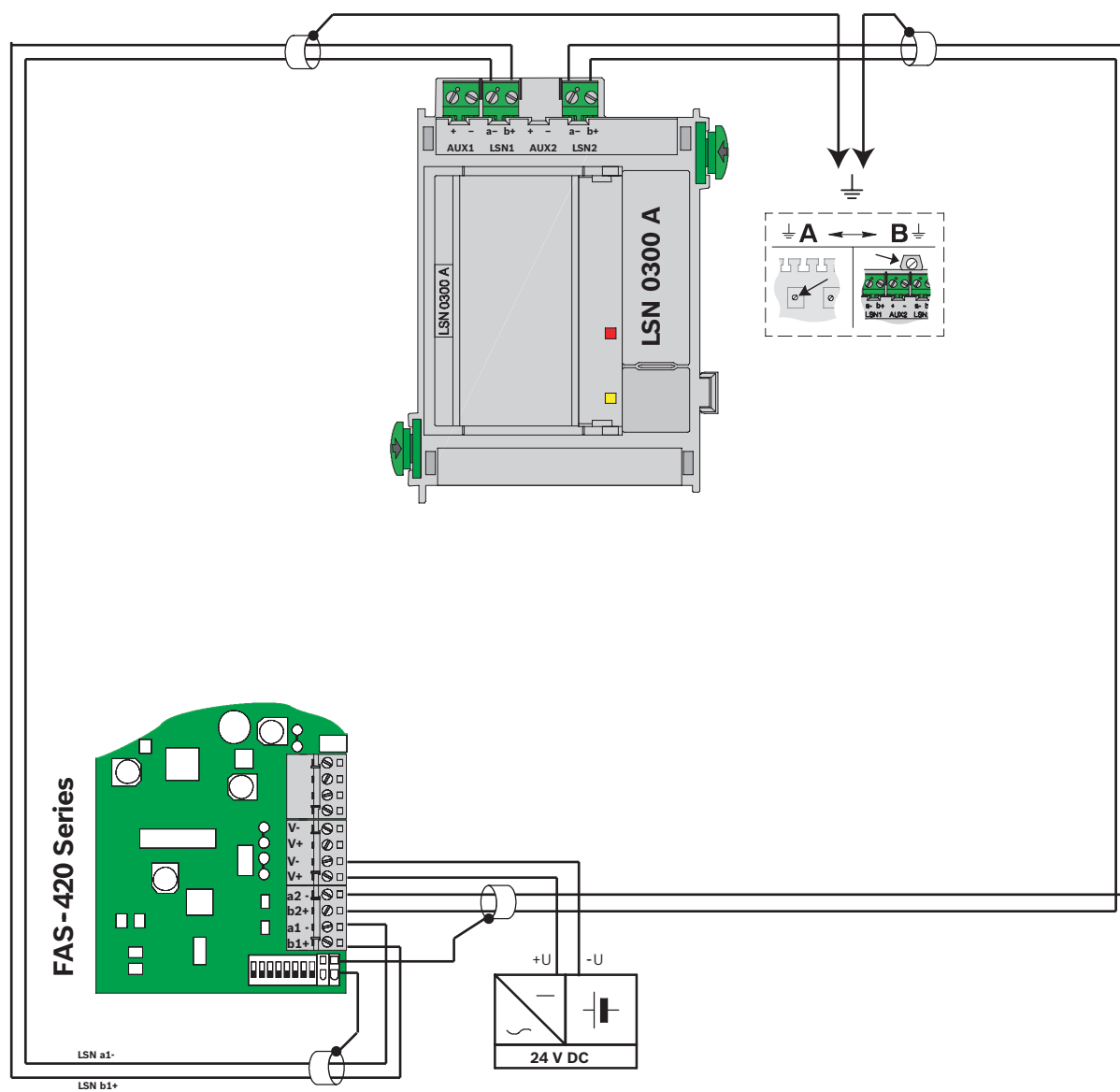
FLM-420-01I1-E

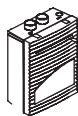


**FLM-420-RLV8-S**

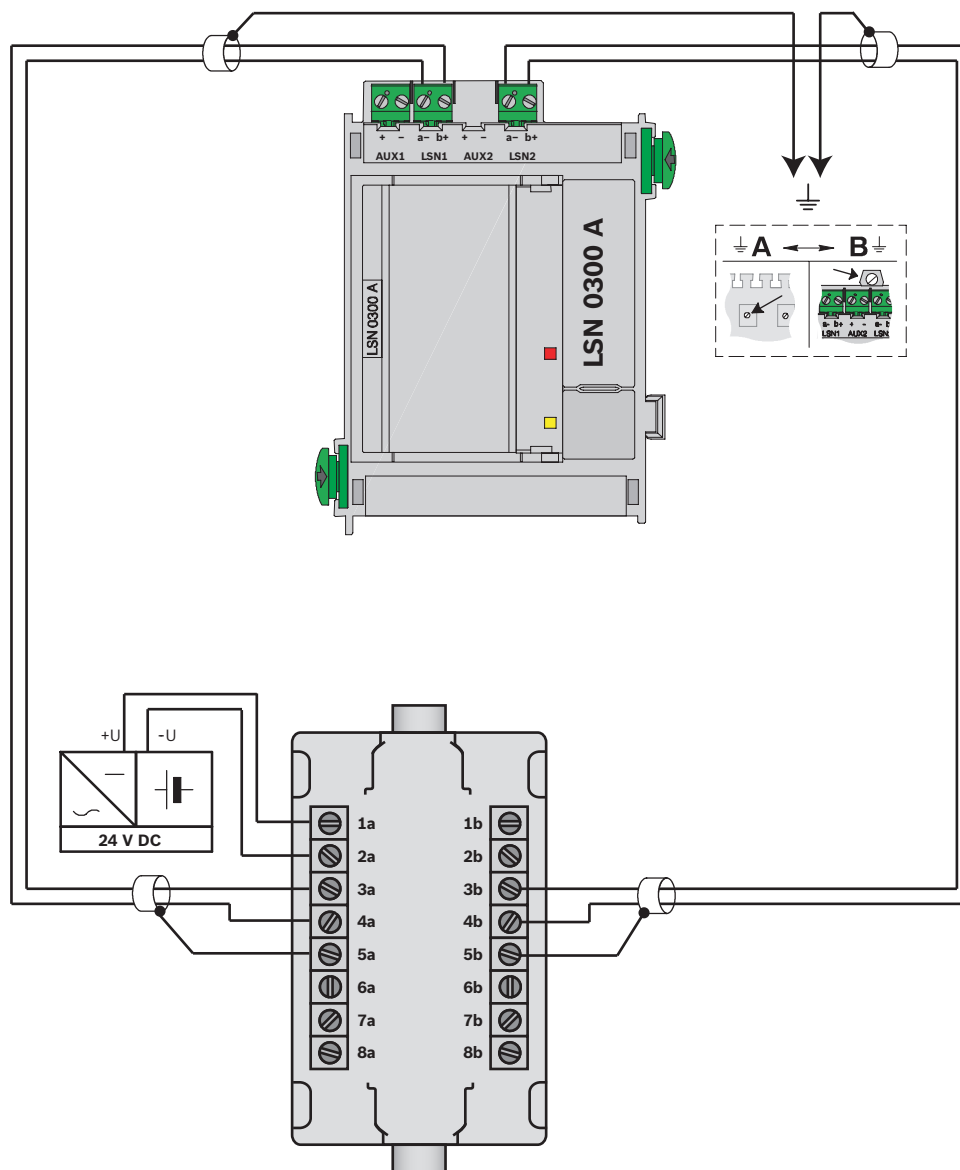
**FAD-0420**

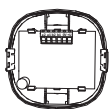
**FAD-420-HS-EN**

**FAS-420 Series**

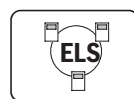


FAS-420-TM Series

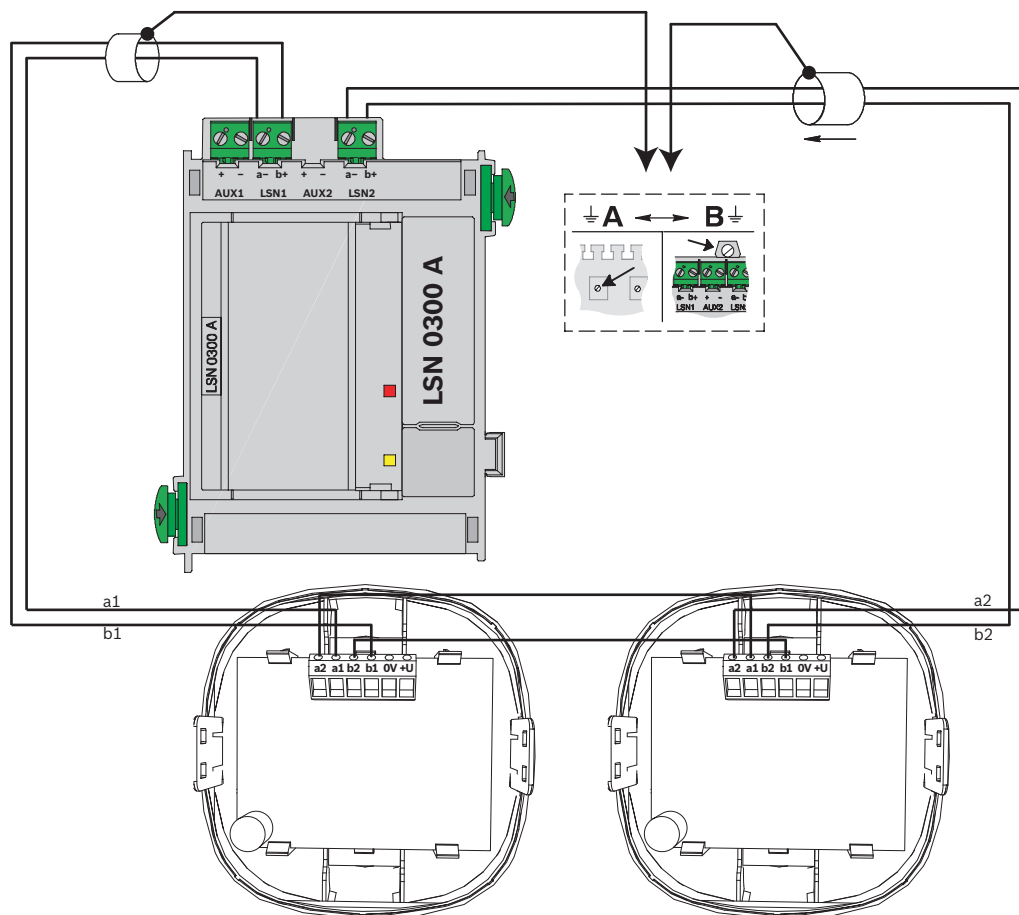




FNM-420-A / -B
FNM-420U-A / -B
FNM-420V-A



VdS 2489

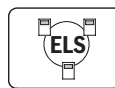


FNM-420-A/-B
FNM-420U-A/-B
FNM-420V-A

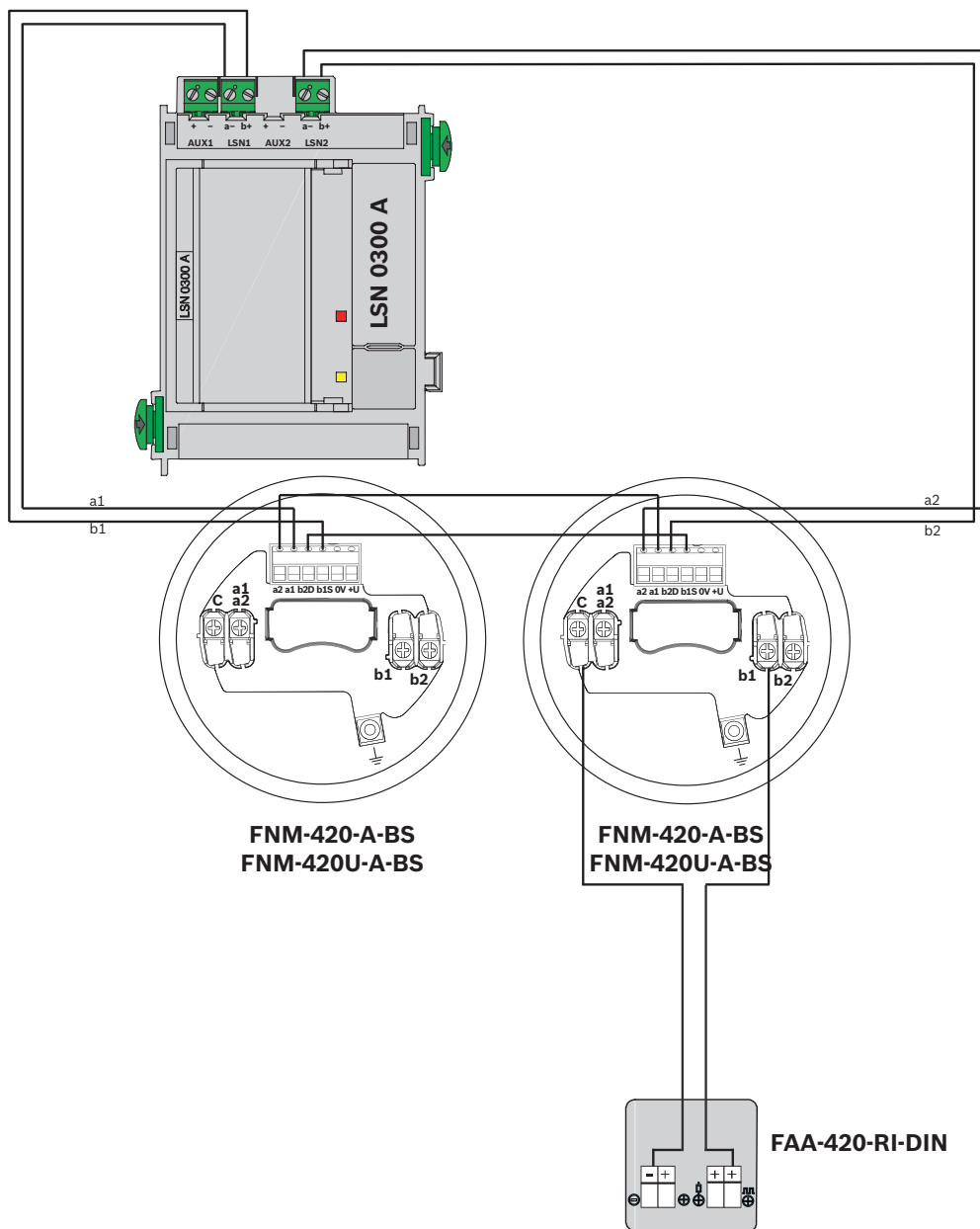
FNM-420-A/-B
FNM-420U-A/B
FNM-420V-A



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

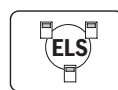


VdS 2489

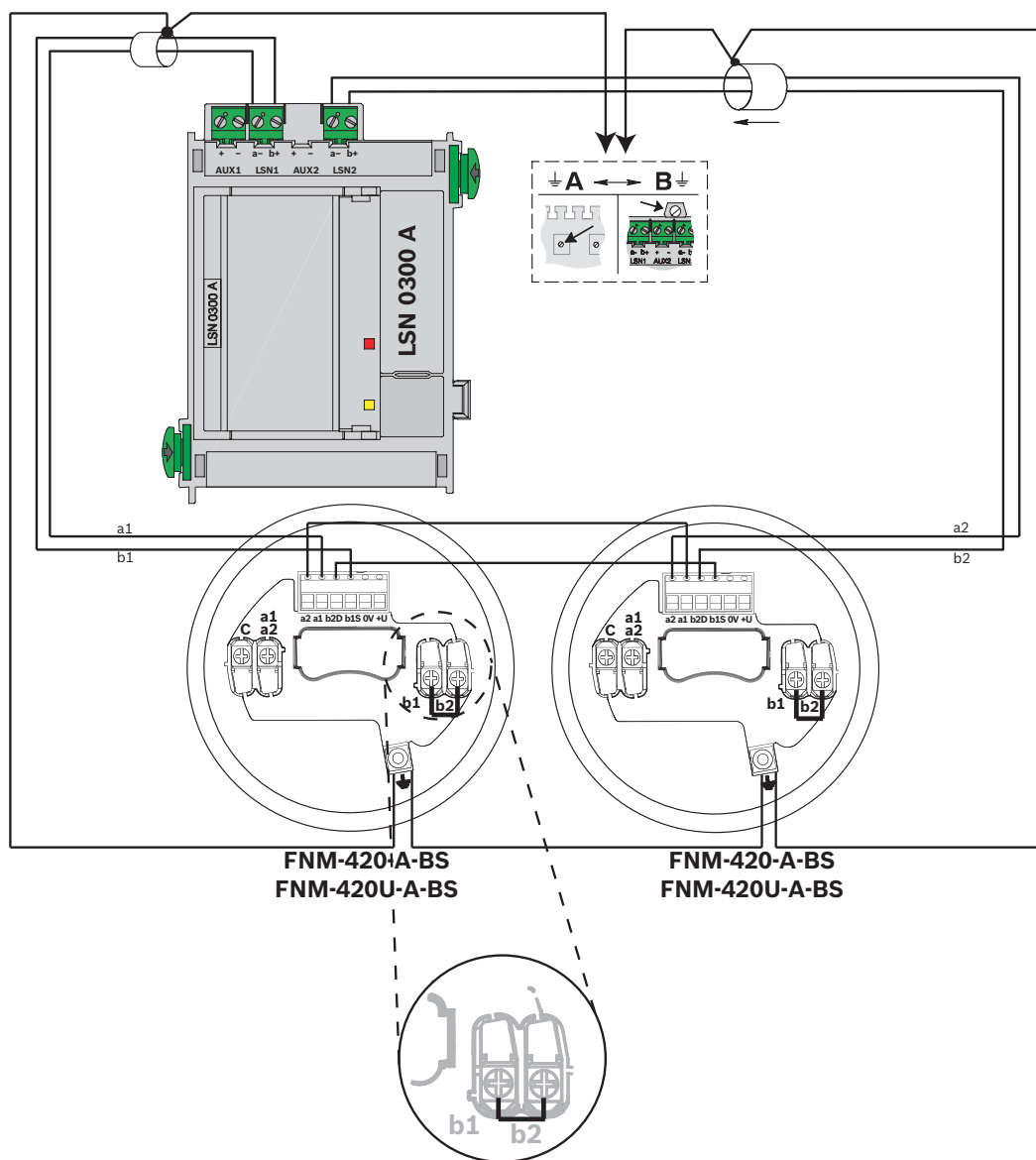


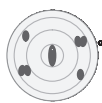


FNM-420-A-BS
FNM-420U-A-BS

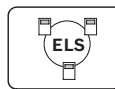


VdS 2489

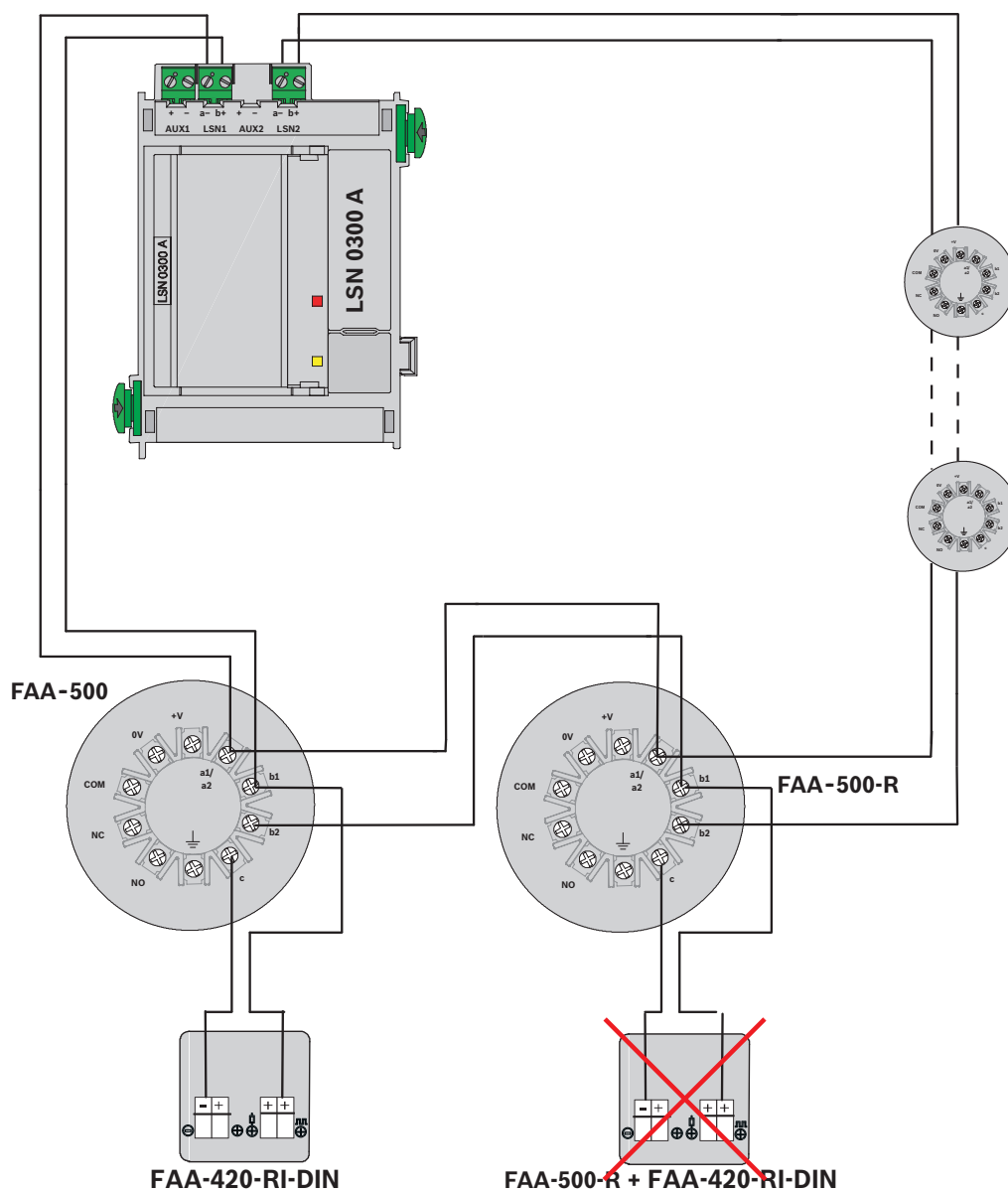




FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P

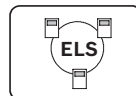


VdS 2489

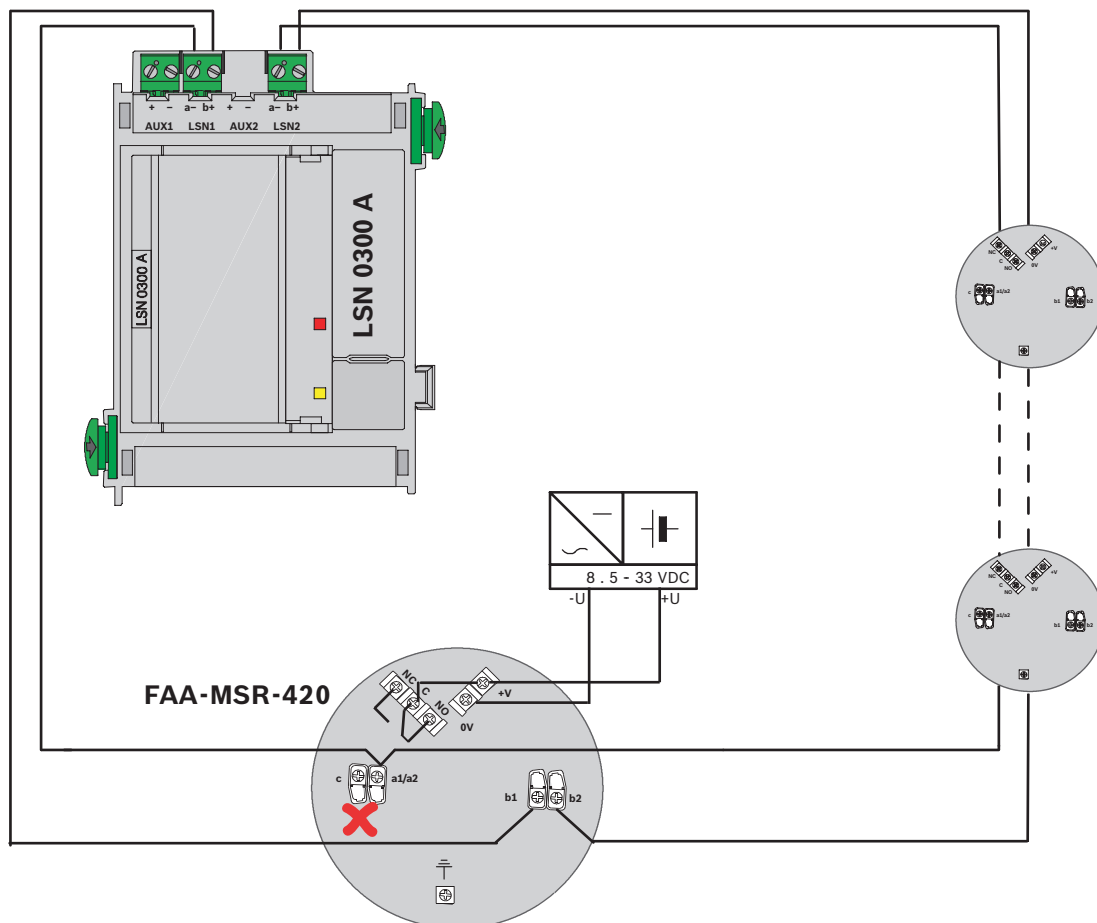




FAP-425-O/-O-R
FAP-425-OT/-OT-R
FAP-425-T-R
FAP-425-DO-R/-DOT-R/-DOTC-R

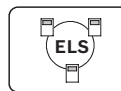


VdS 2489

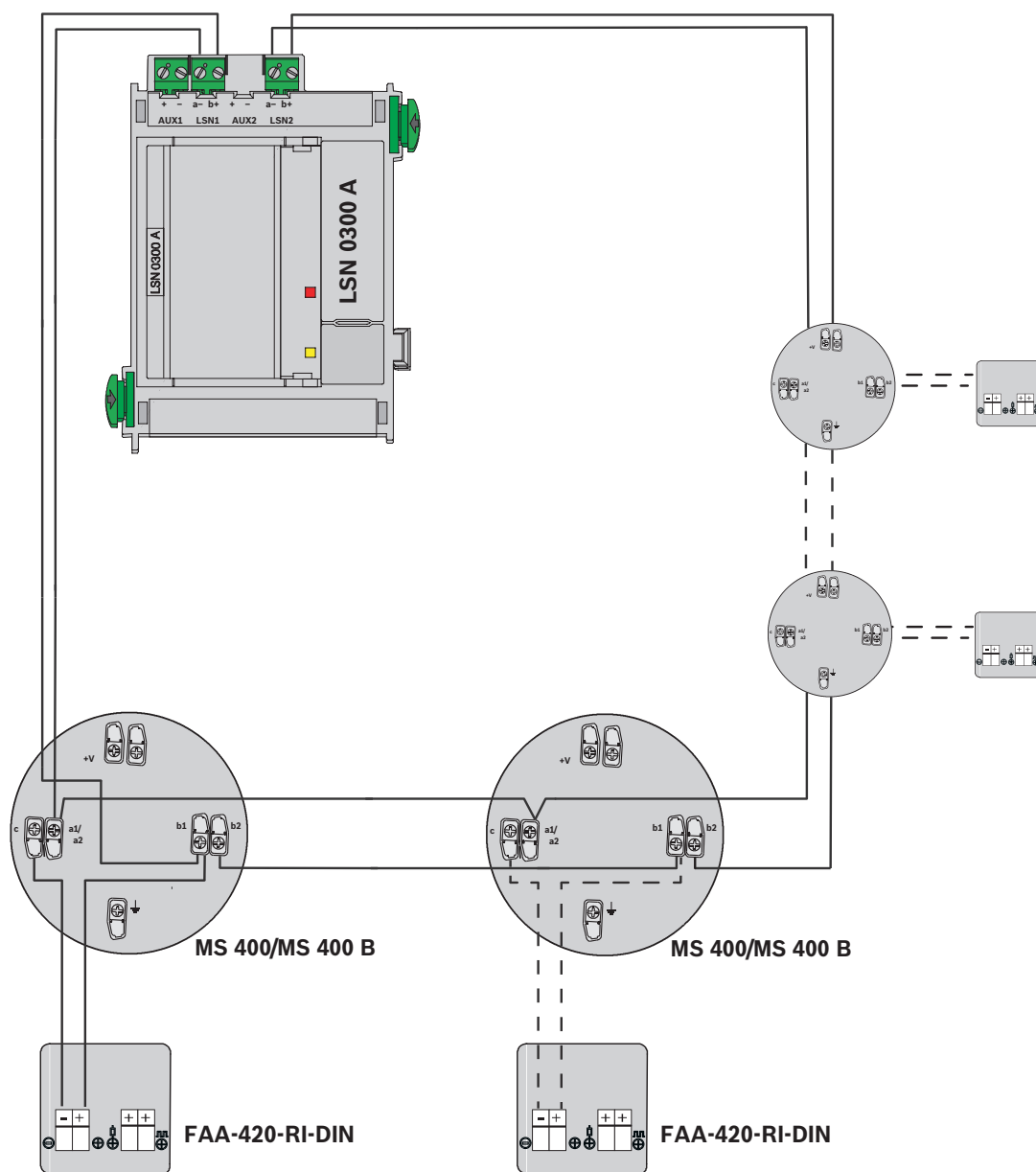


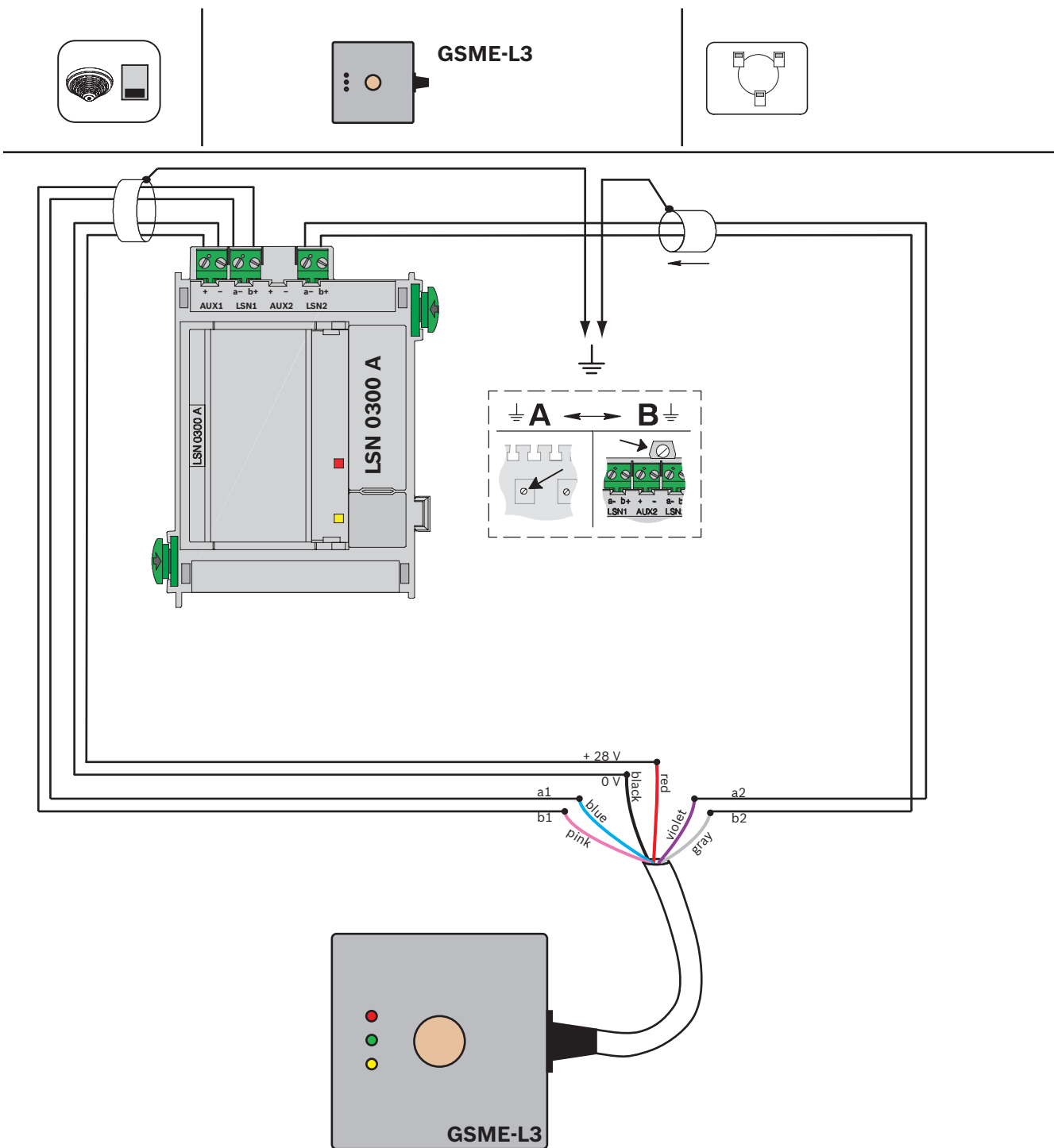


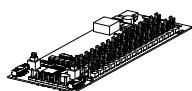
FAP-425-O/-O-R/-OT/-OT-R/-T-R
 FAP-425-DO-R/DOT-R/-DOTC-R
 FCH-320-T320/-T320-R470/-T320-FSA
 FCP-O320/-O320-R470
 FCP-OC320/-OC320-R470
 FCP-OT320/-OT320-R470



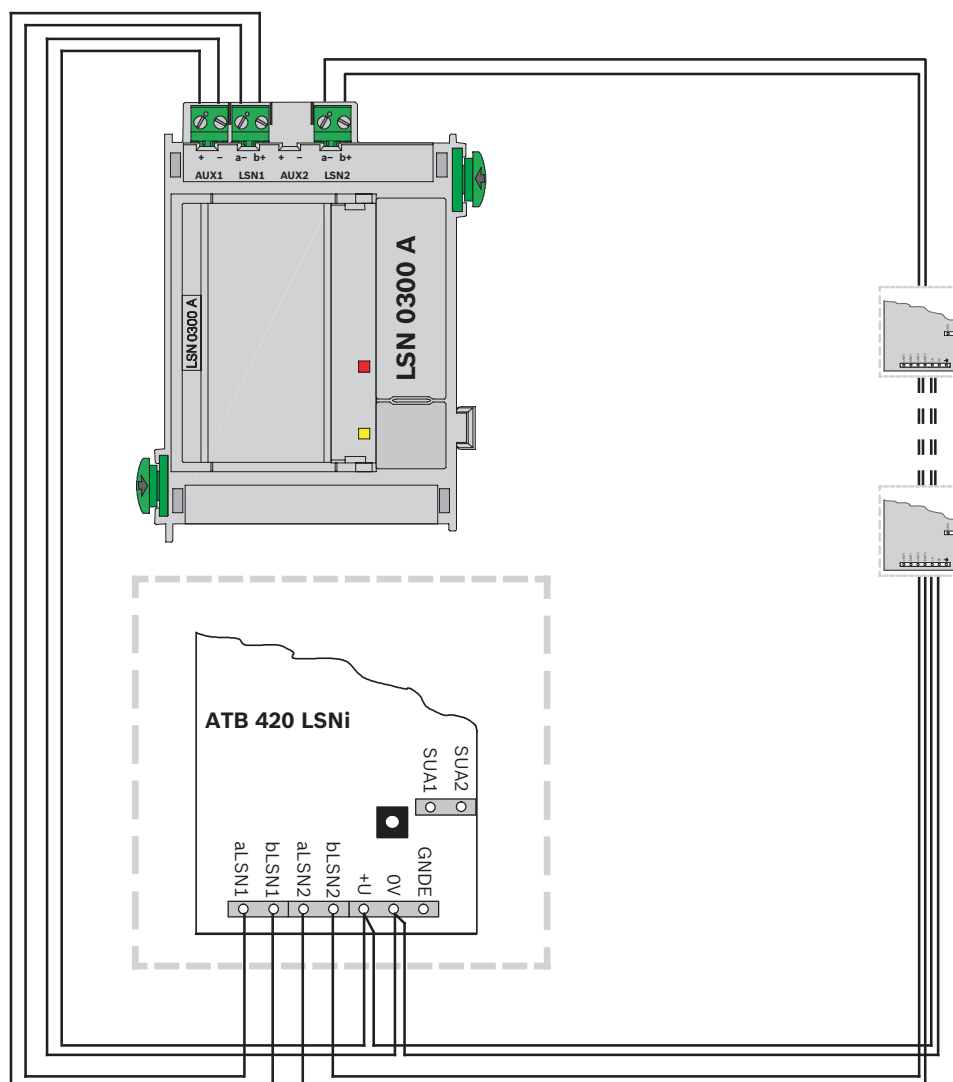
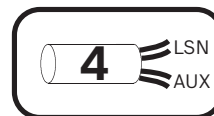
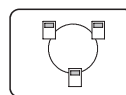
VdS 2489





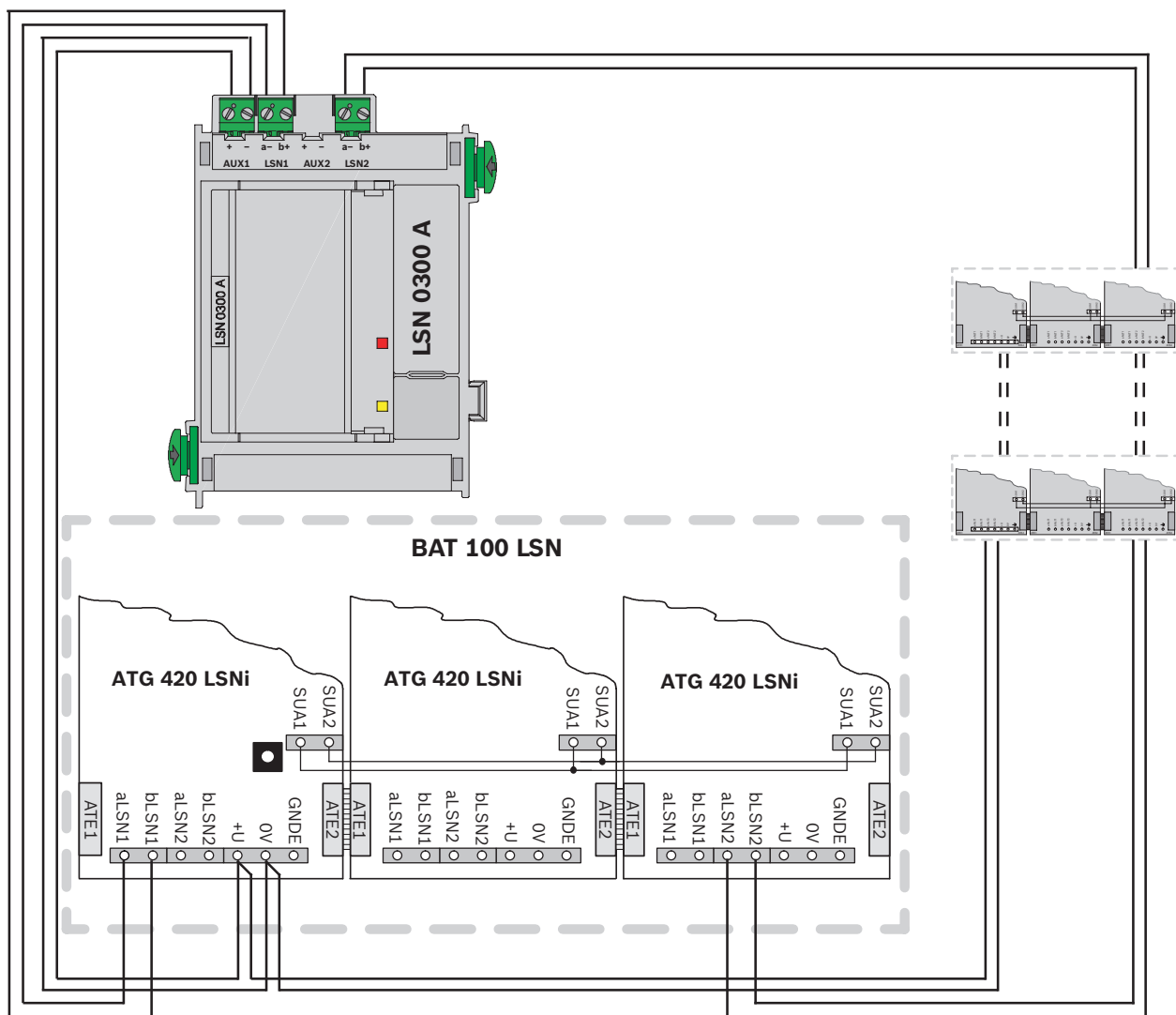
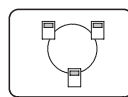


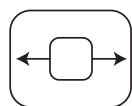
ATB 420 LSNi



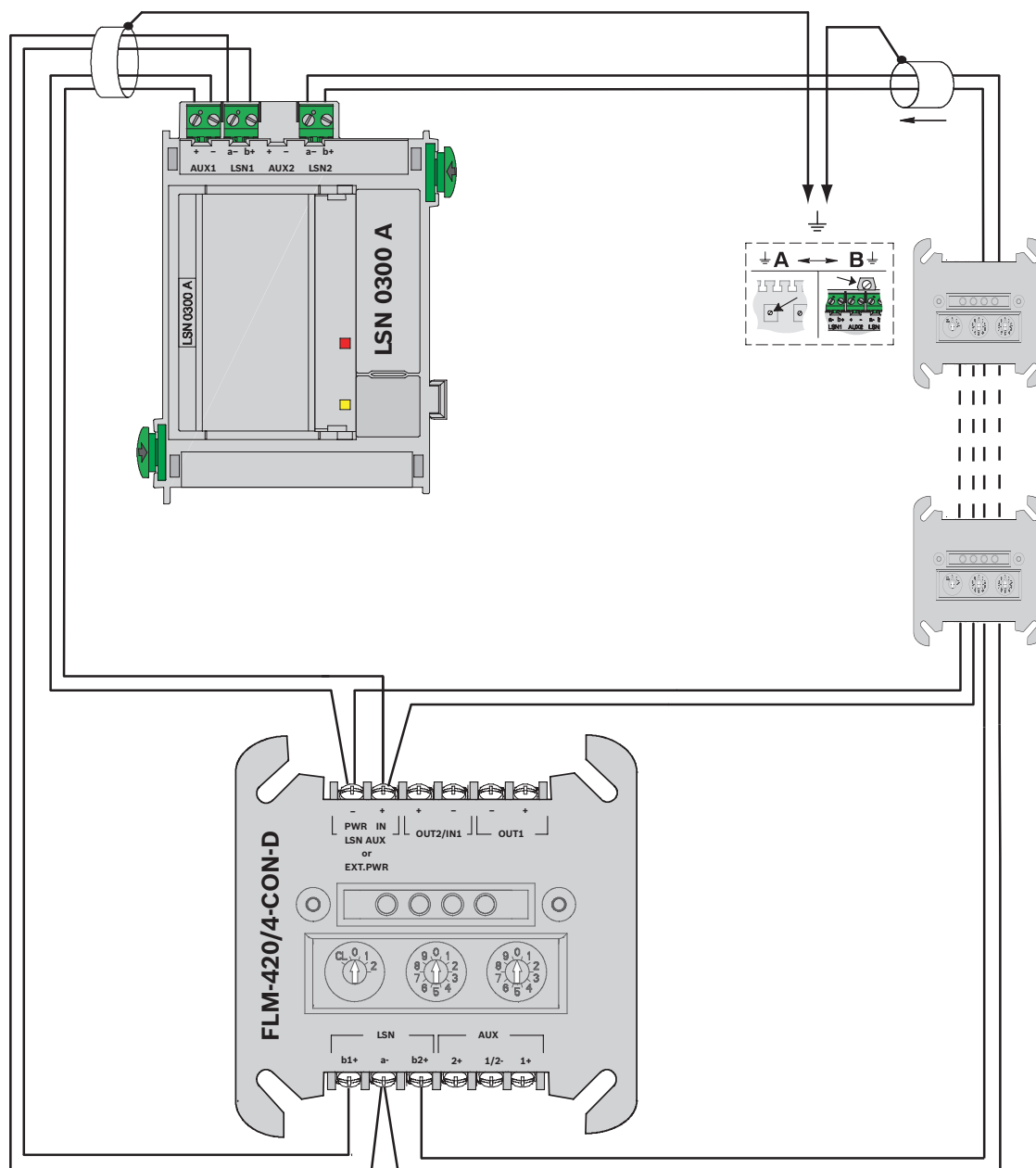
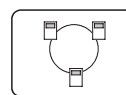


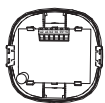
BAT 100 LSN
ATG 420 LSNi



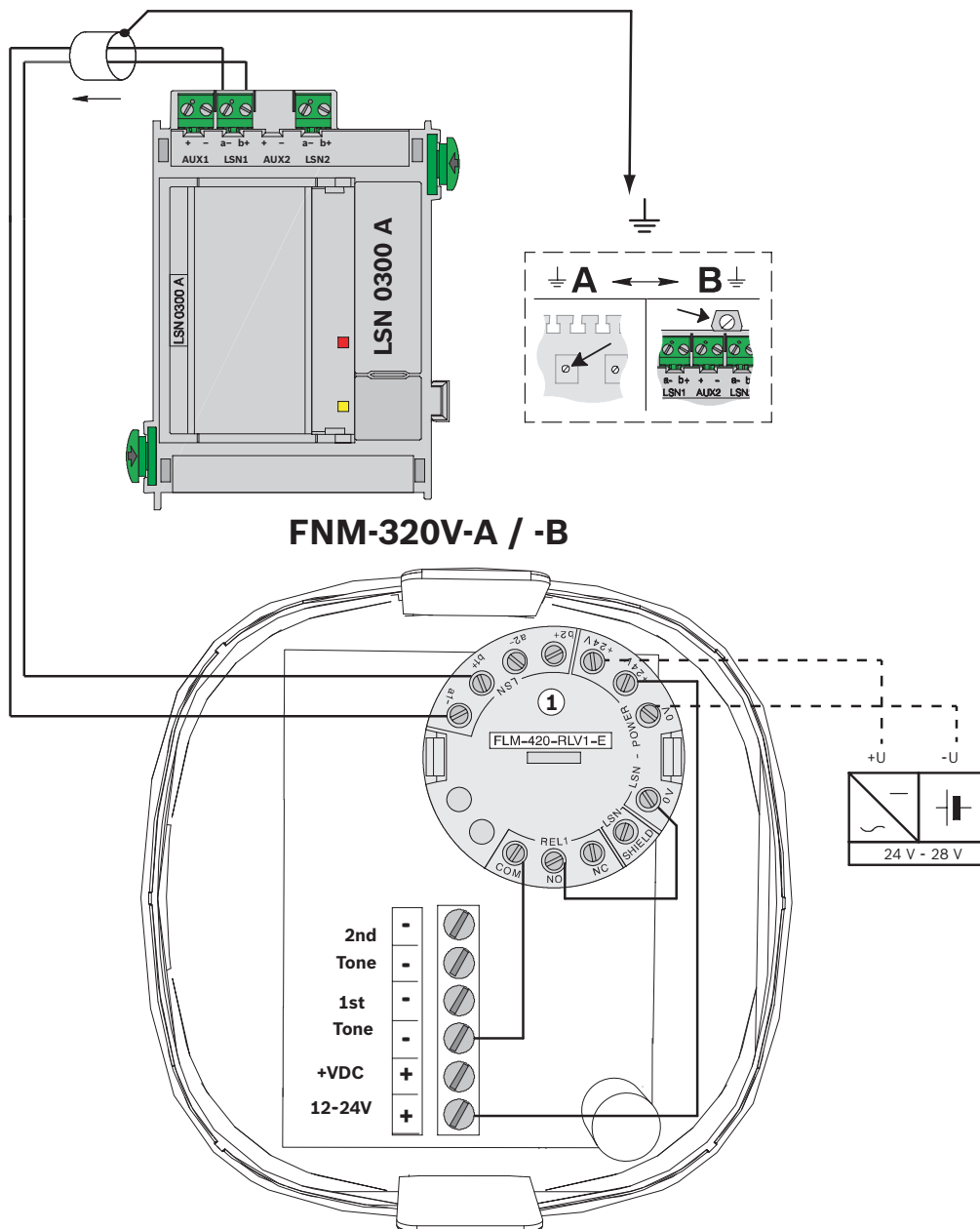
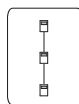


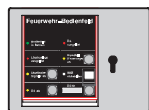
**FLM-420/
4-CON-D**



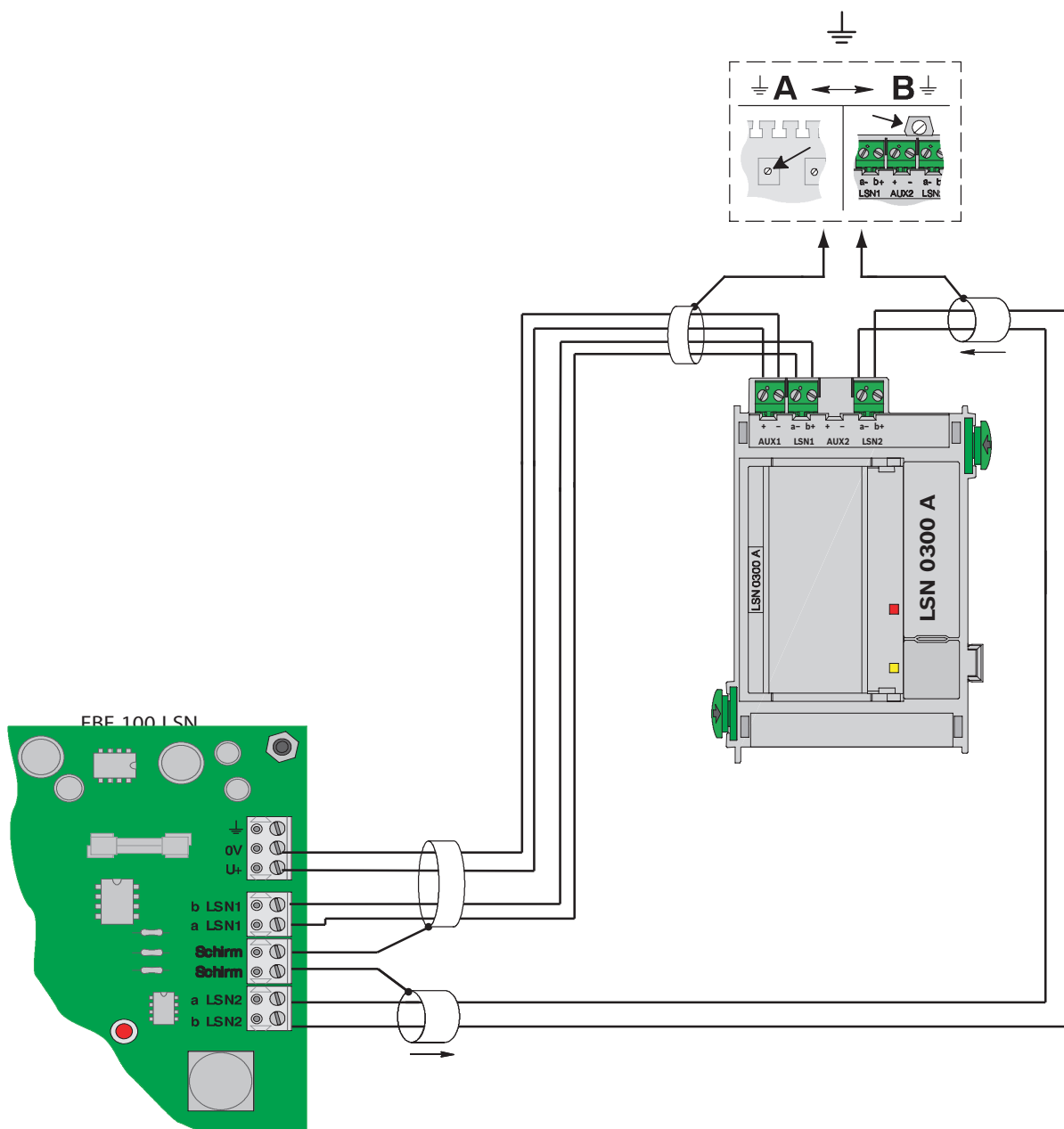
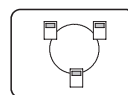


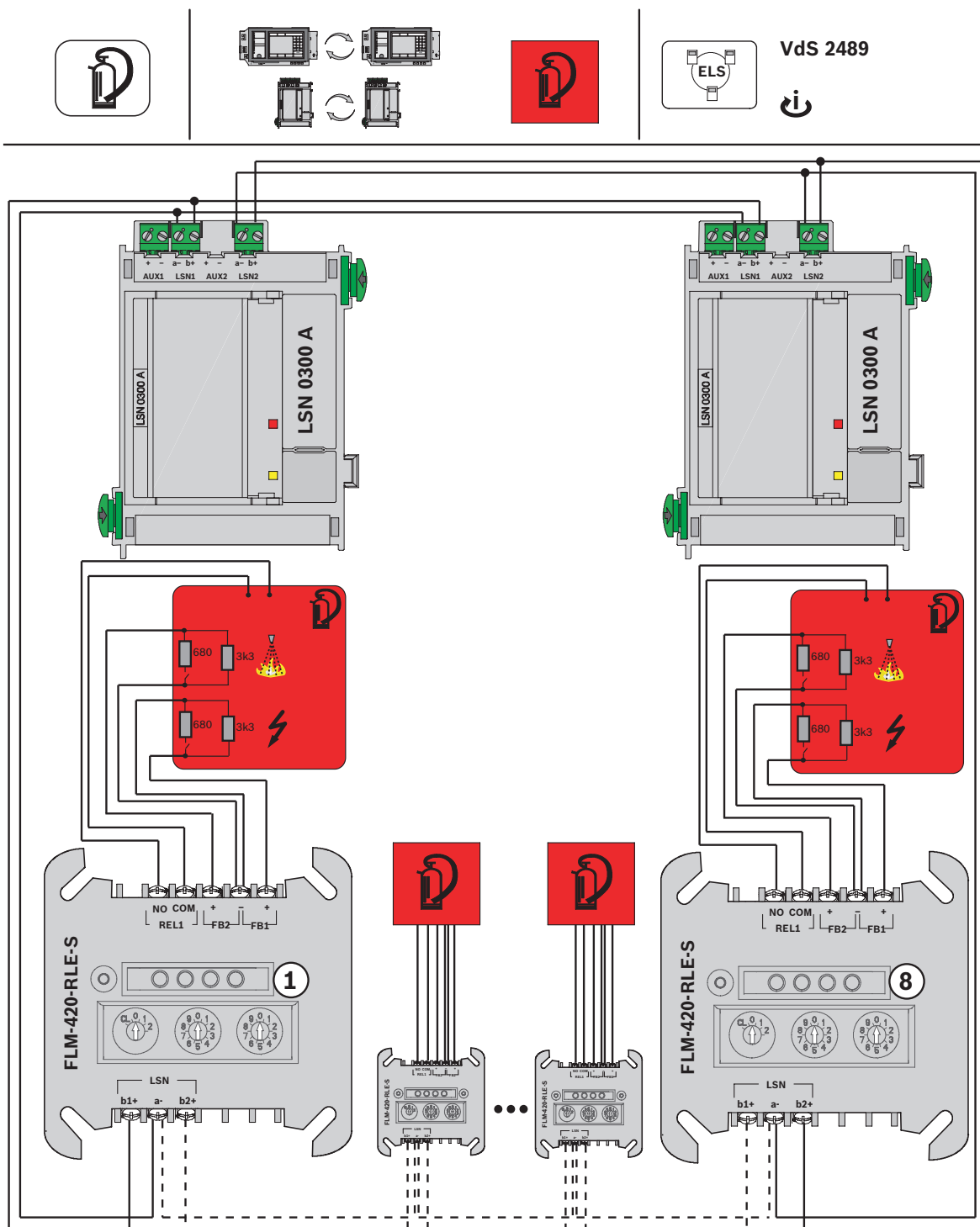
FNM-320V-A / -B

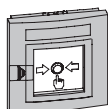
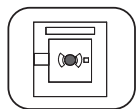




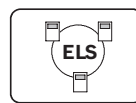
FBF 100 LSN



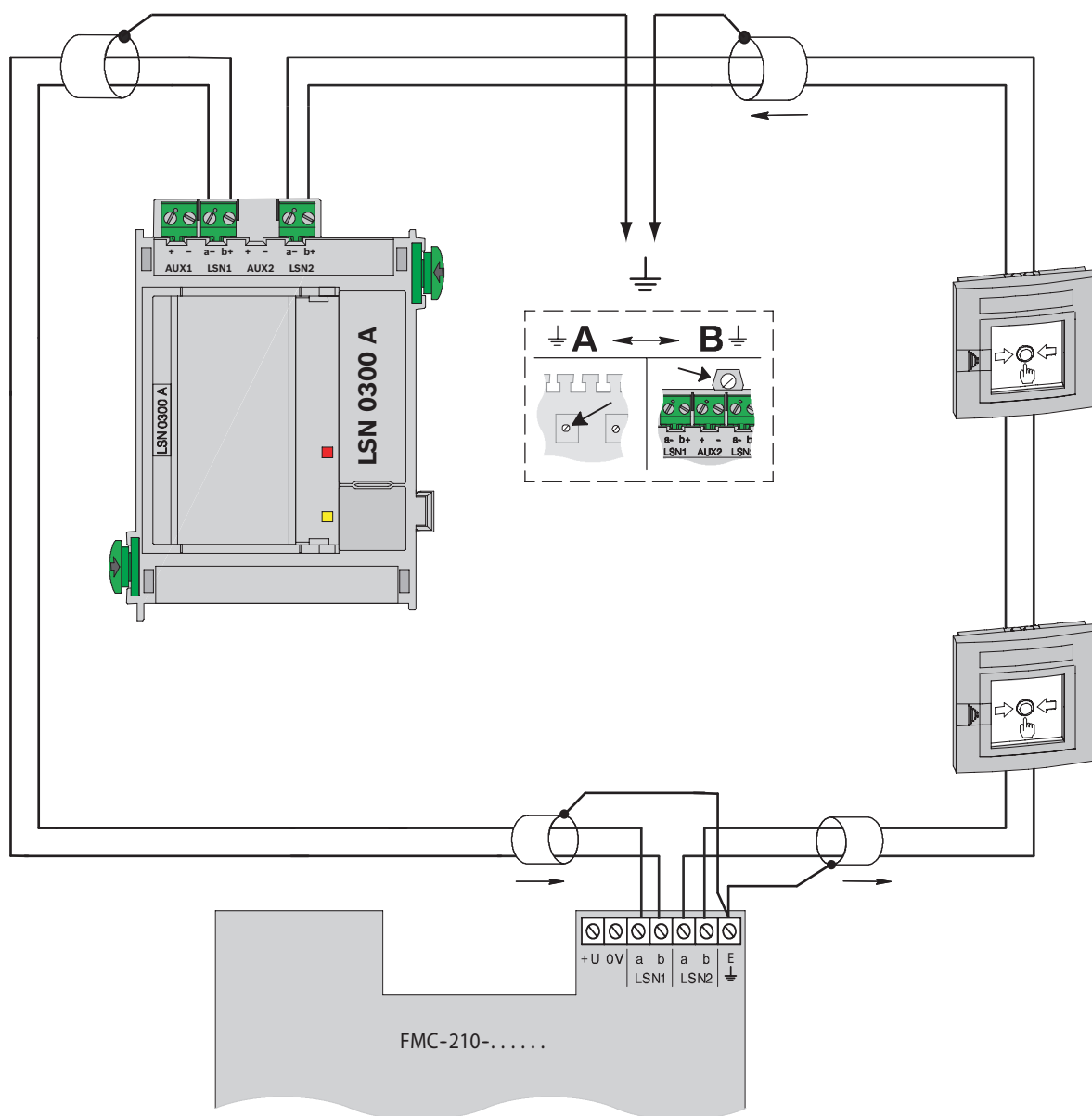


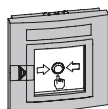
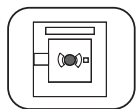


FMC-210-...

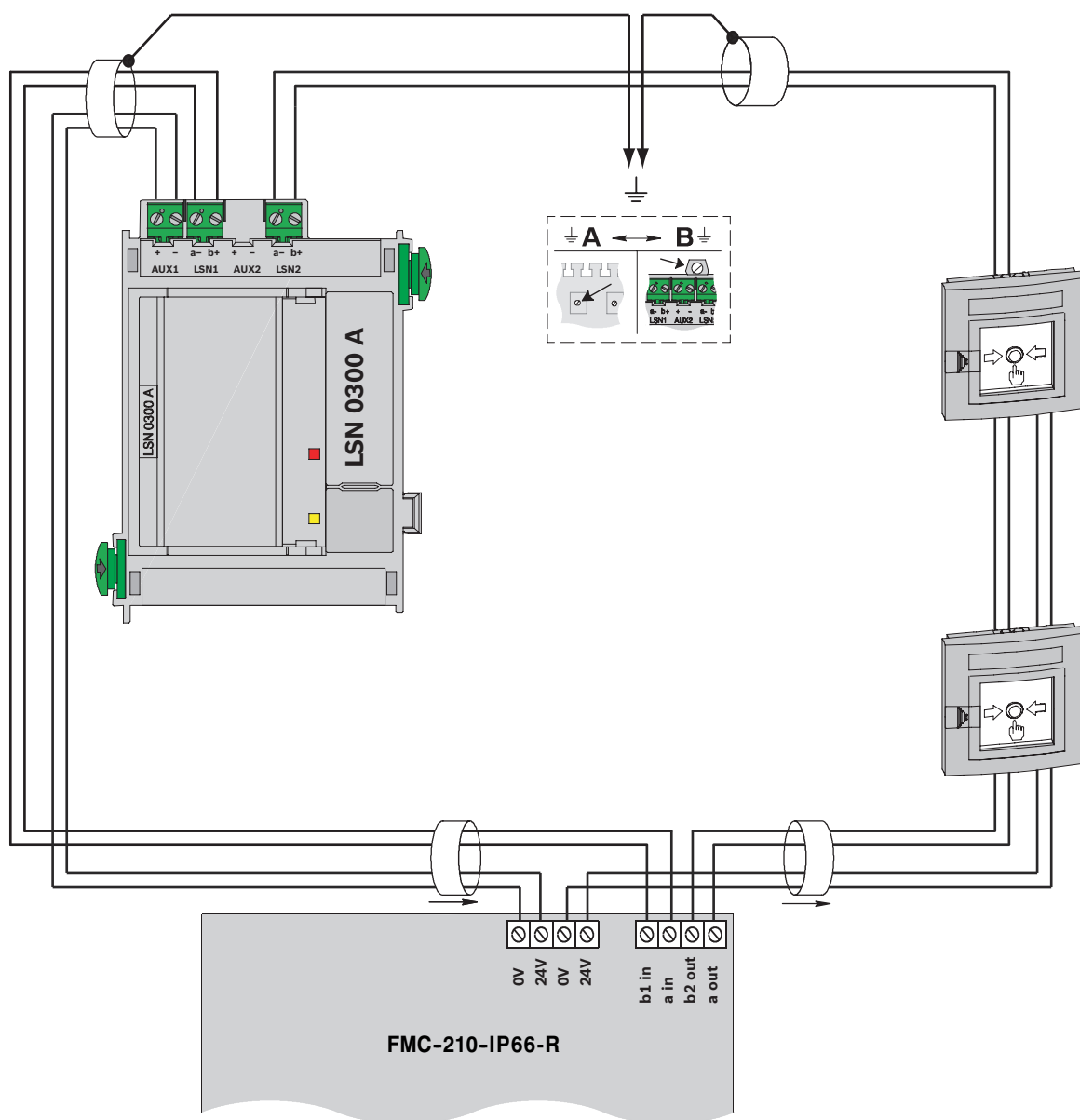
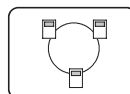


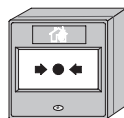
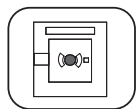
VdS 2489



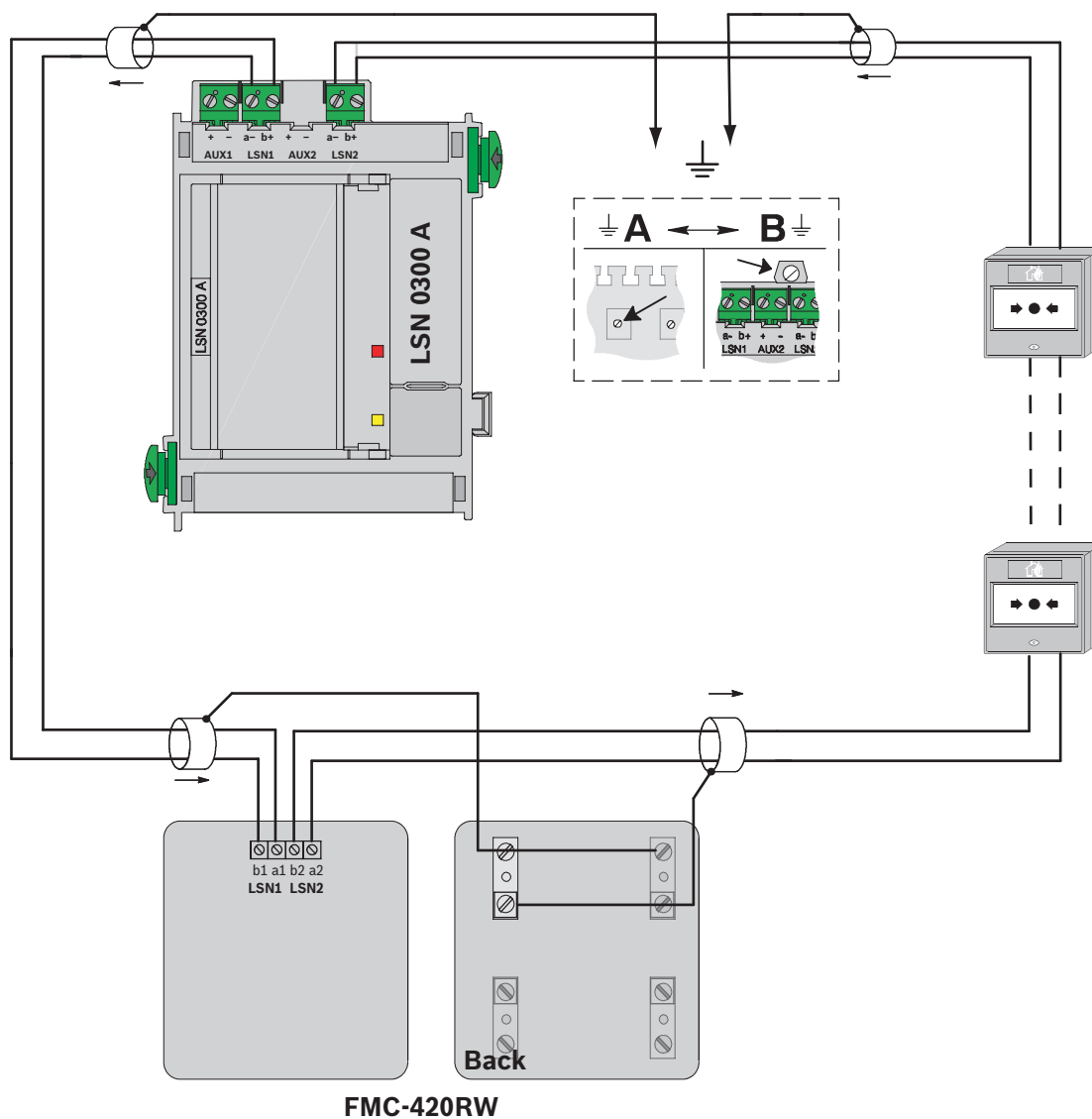
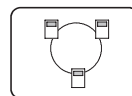


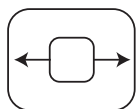
FMC-210-IP66-R



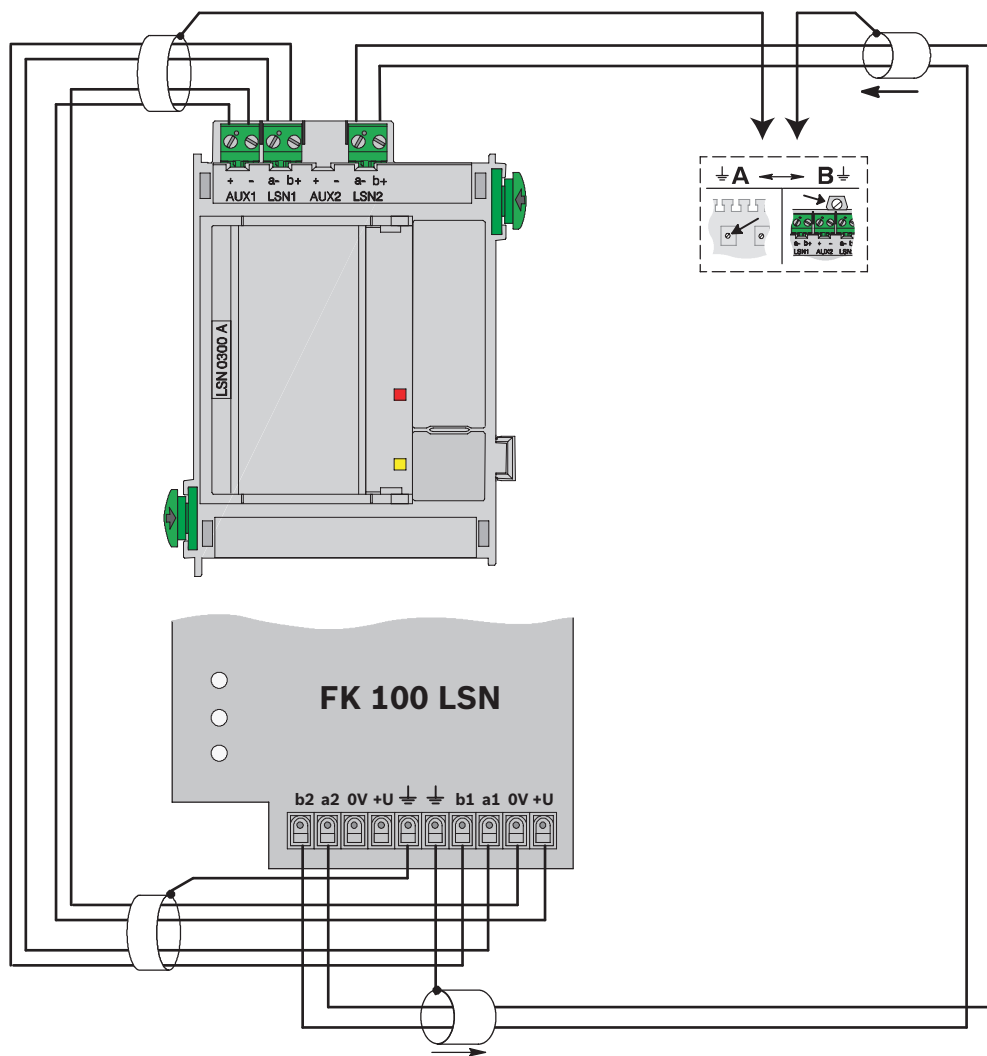
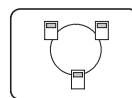


FMC-420RW-HSGRD
FMC-420RW-HSRRD
FMC-420RW-GFGRD
FMC-420RW-GFRRD
FMC-420RW-GSGRD
FMC-420RW-GSRRD



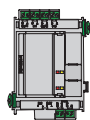
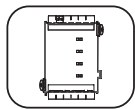


FK 100 LSN

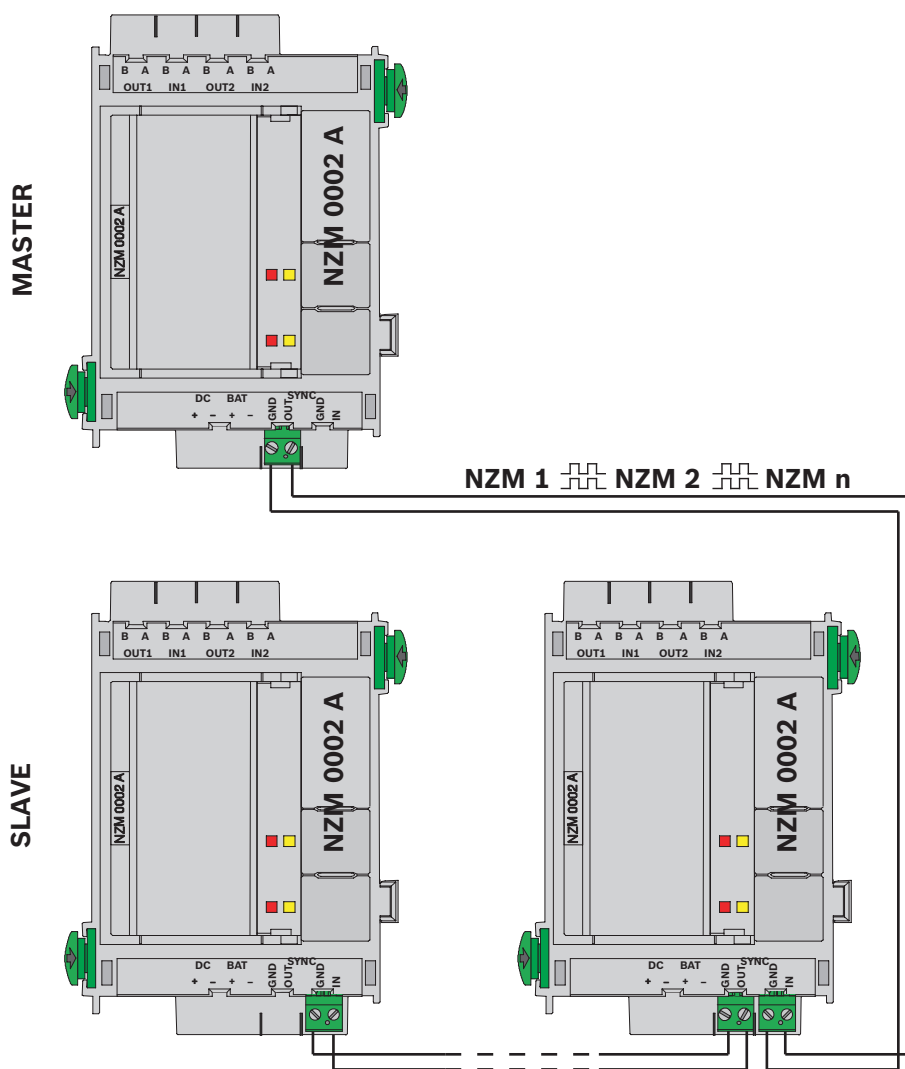


3.3.5

NZM 0002 A

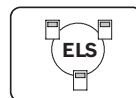


NZM 0002 A

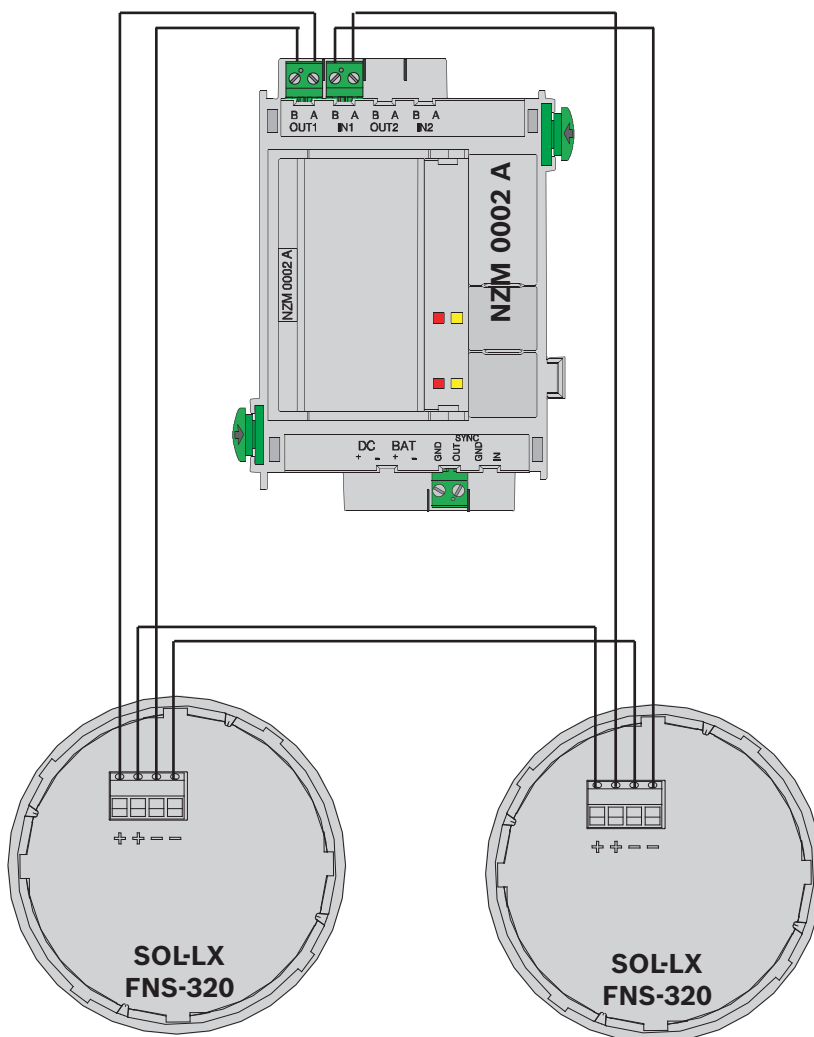


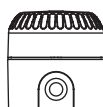
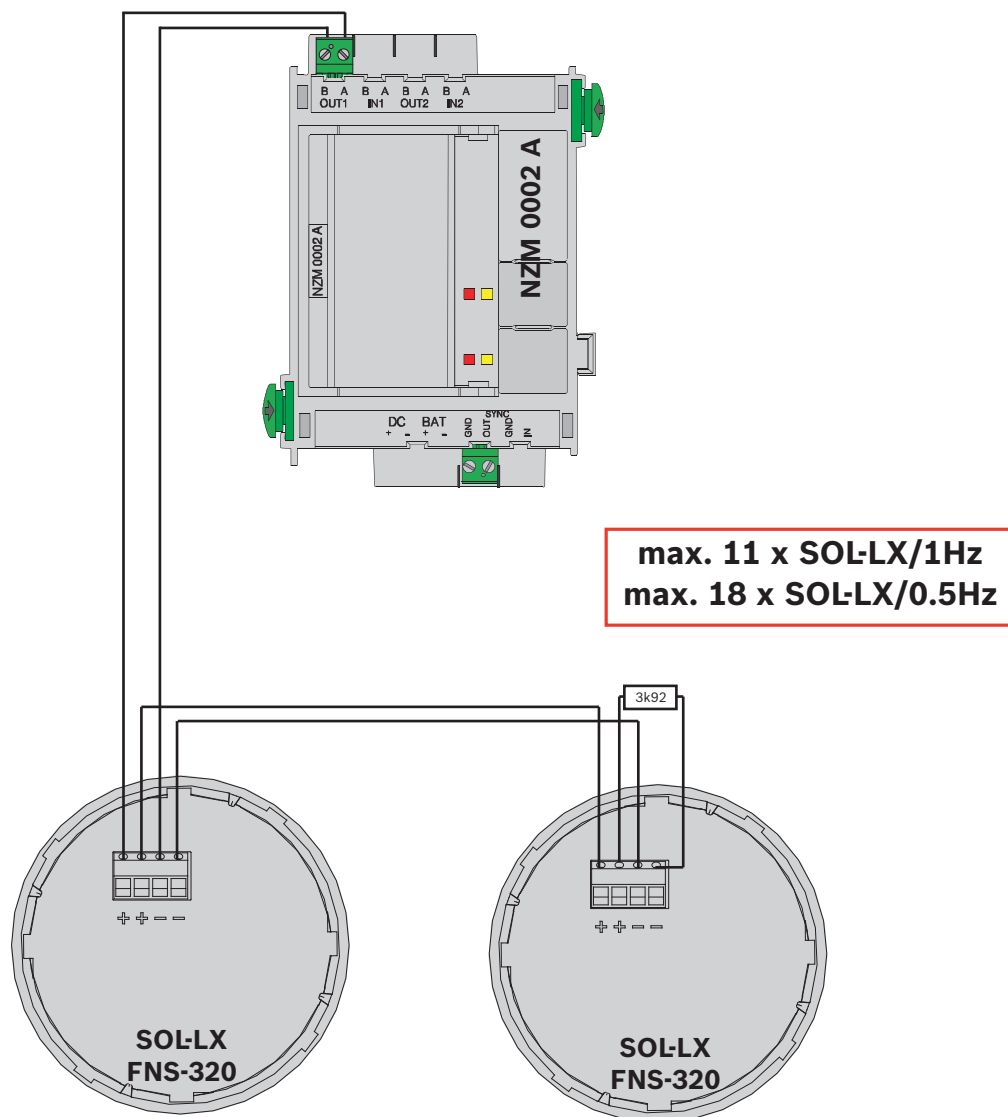
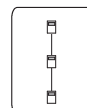


**SOL-LX
FNS-320**



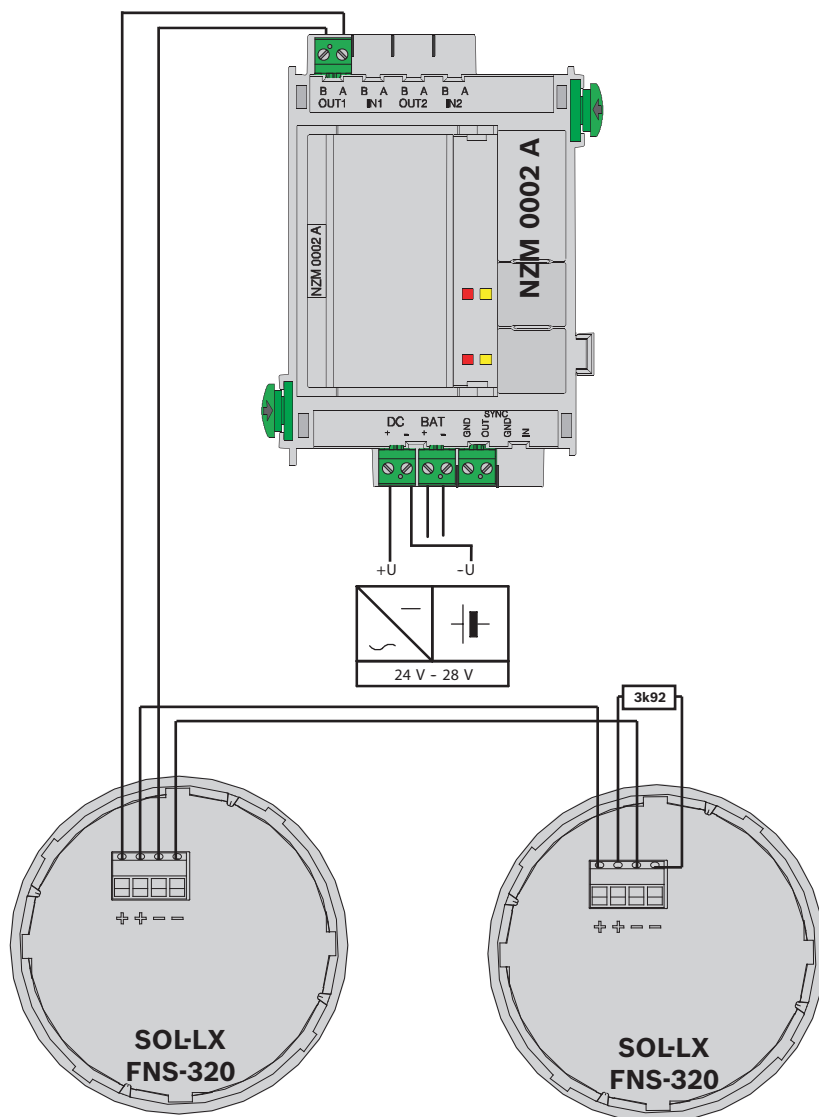
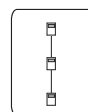
VdS 2489

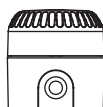


**SOL-LX
FNS-320**

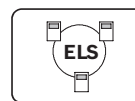


**SOL-LX
FNS-320**

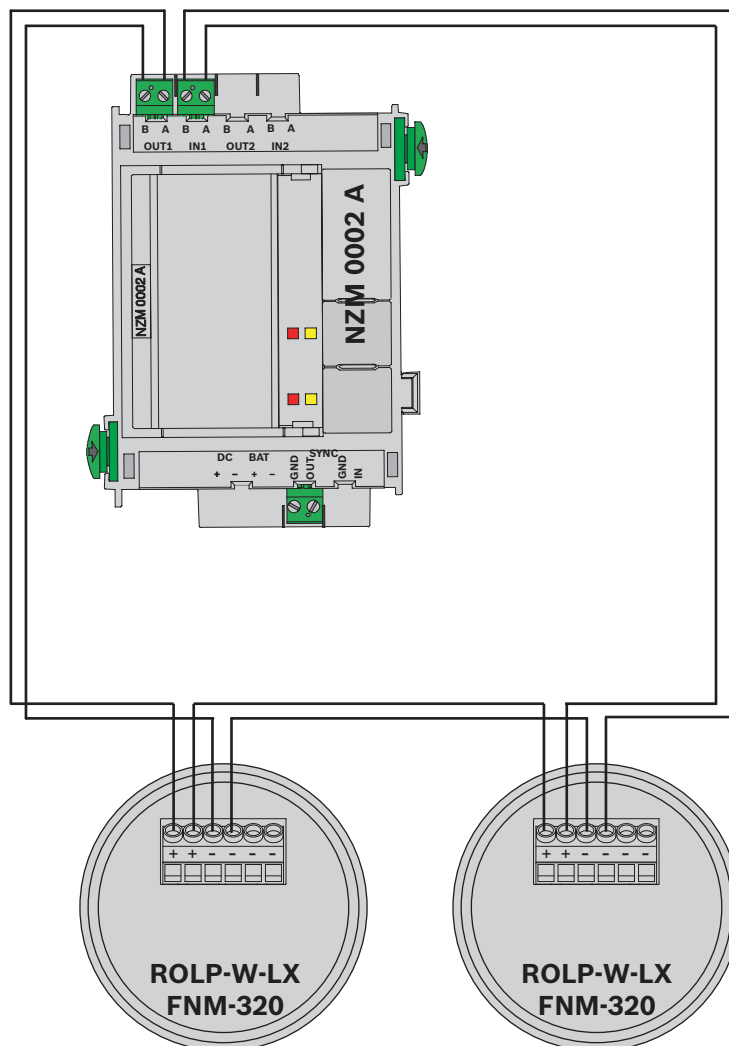




**ROLP-W-LX
FNM-320**

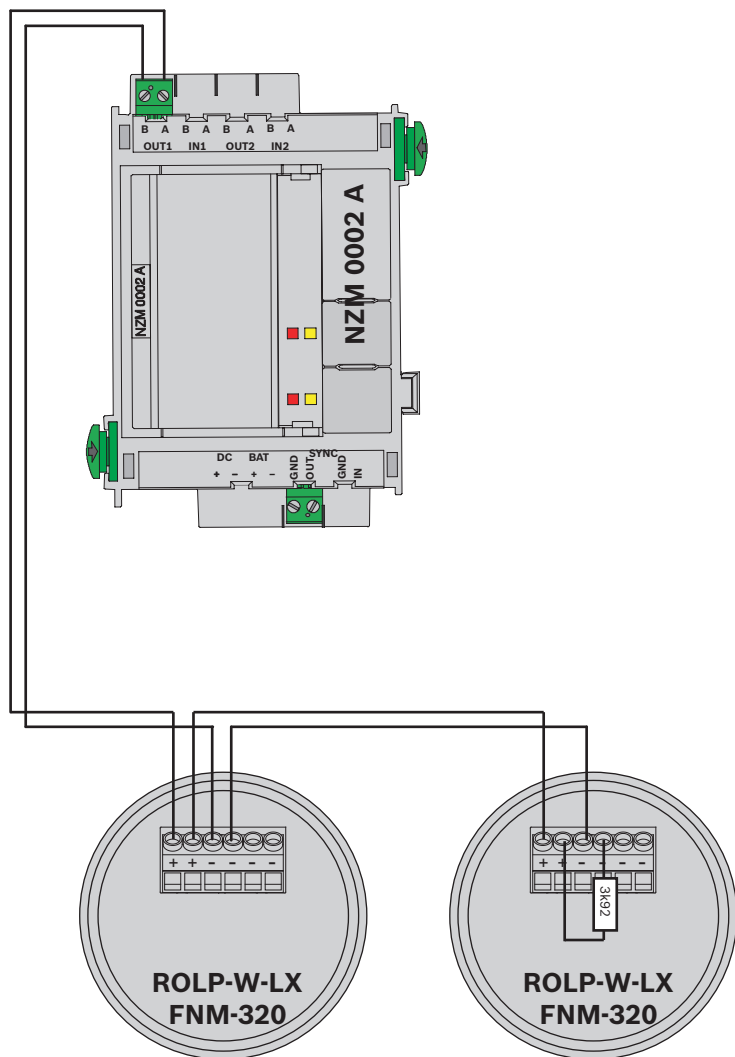
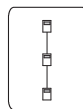


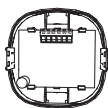
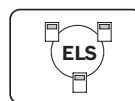
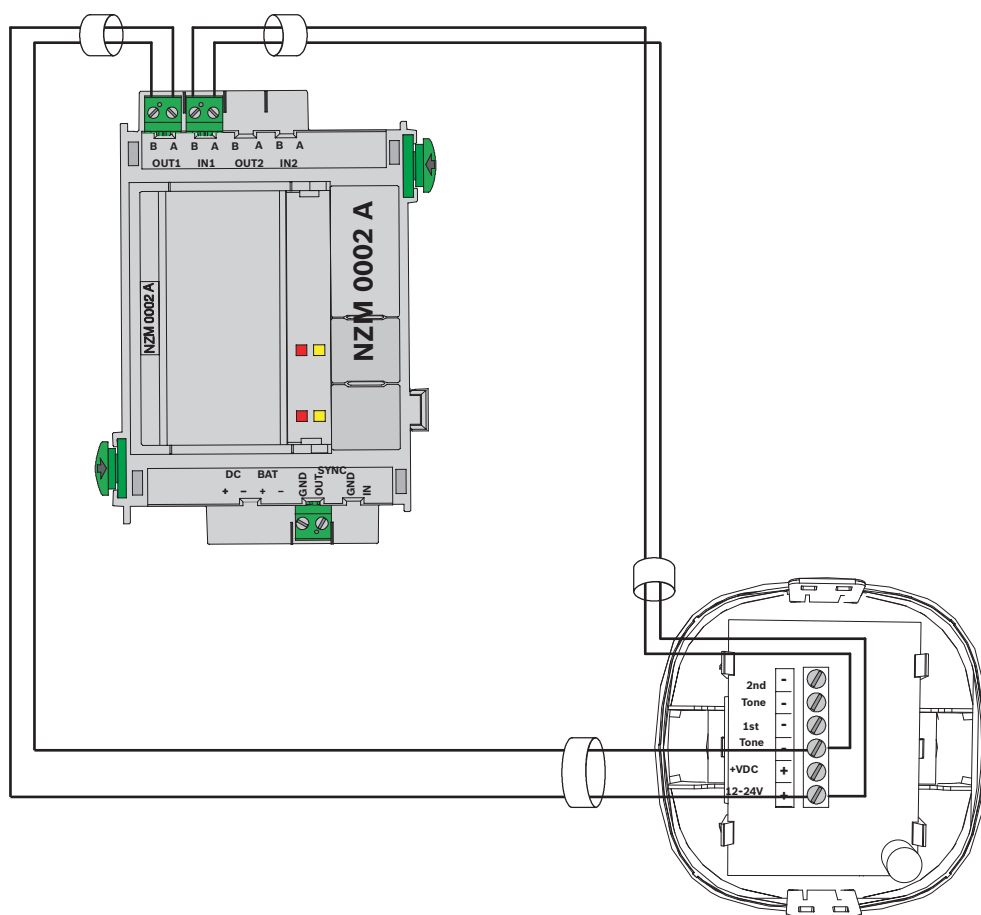
VdS 2489

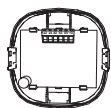
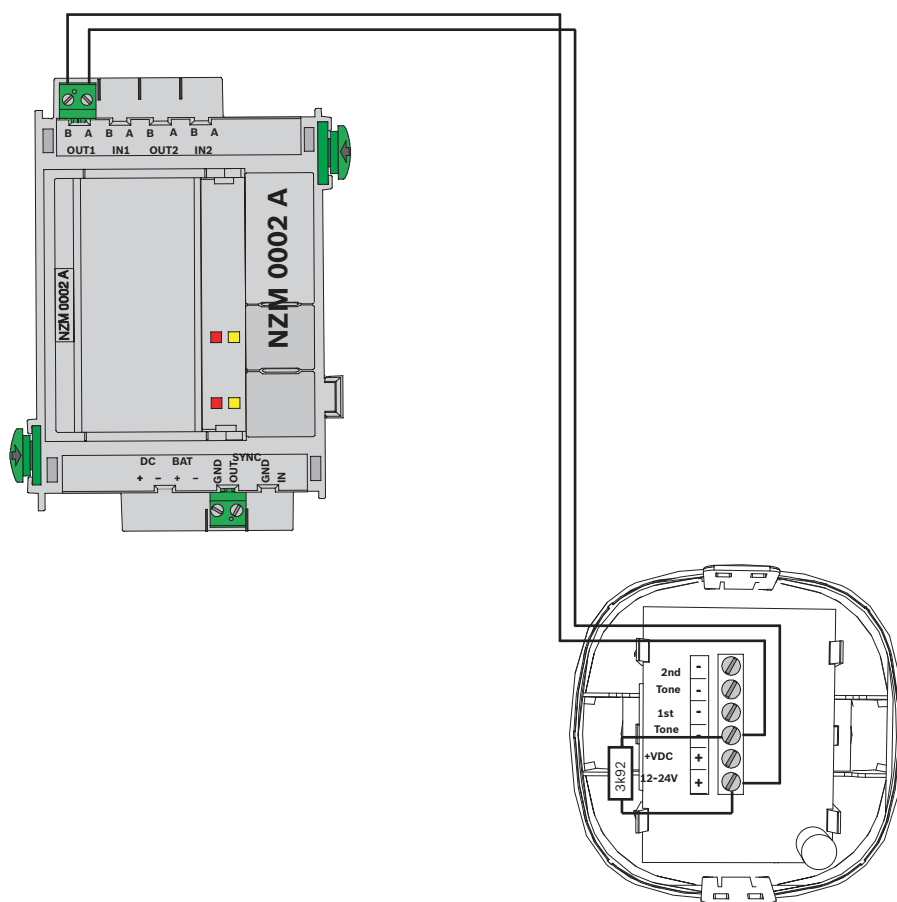
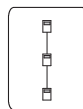


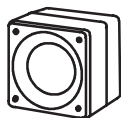
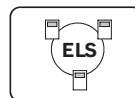
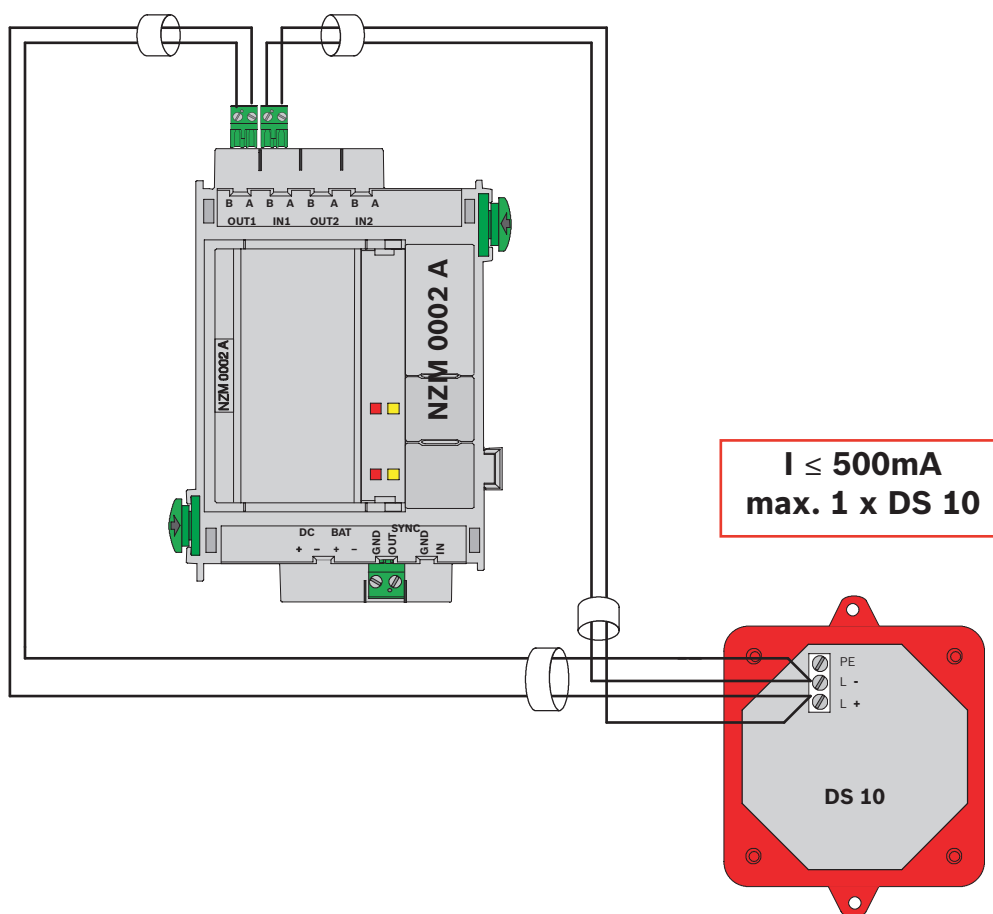


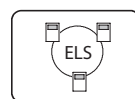
**ROLP-W-LX
FNM-320**



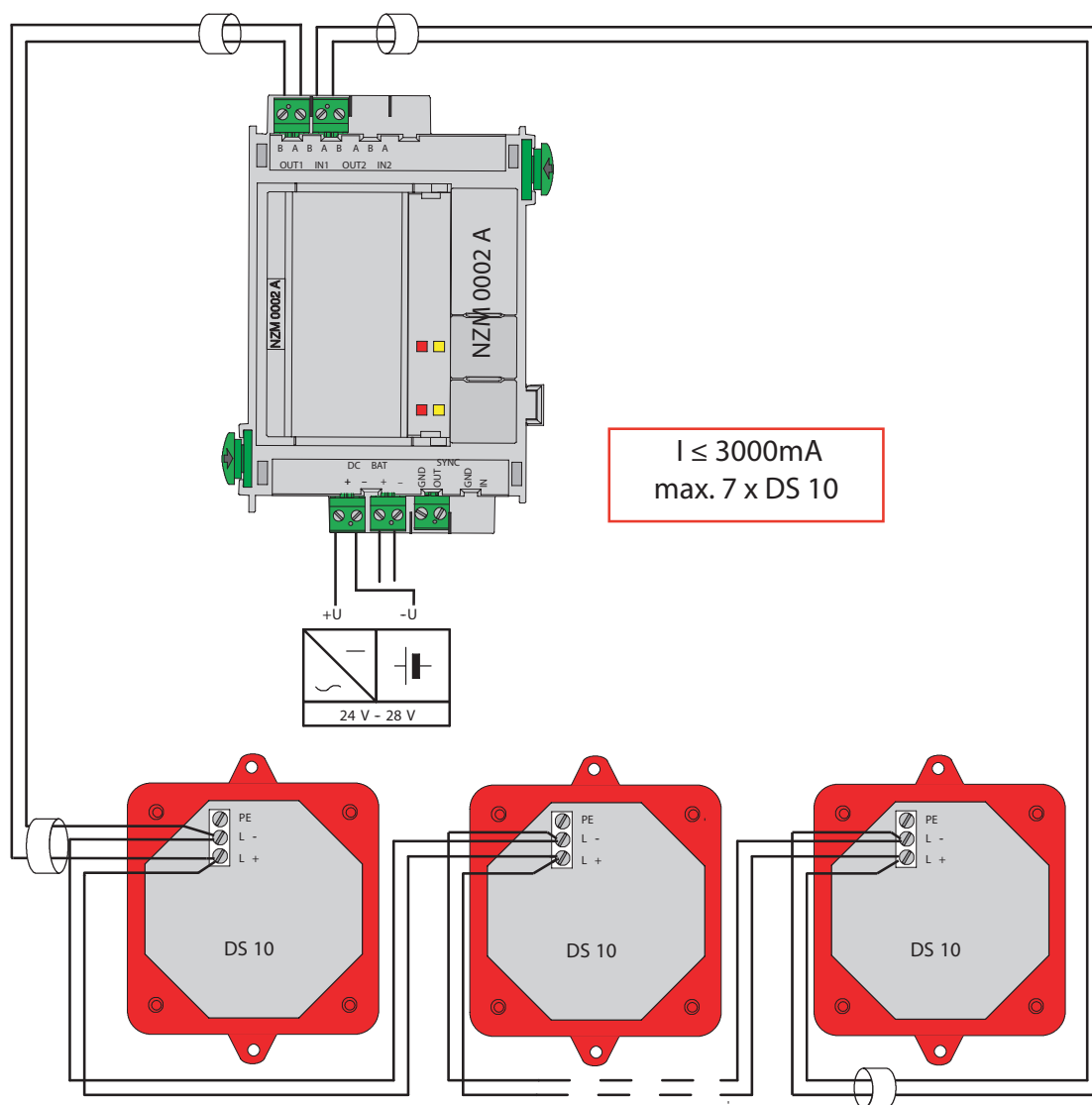
**FNM-320V-A / -B****VdS 2489**

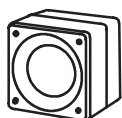
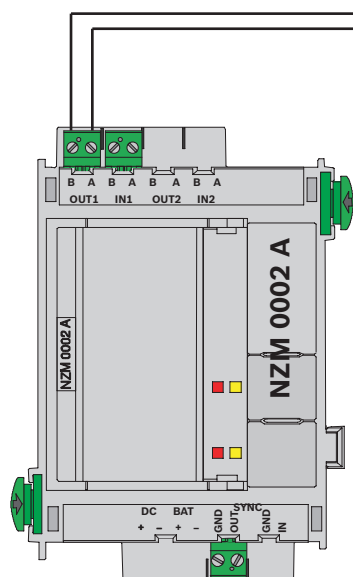
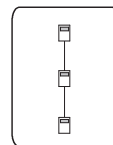
**FNM-320V-A / -B**

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

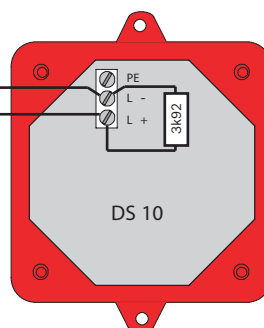


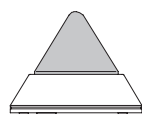
VdS 2489



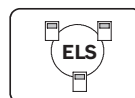
**DS 10**

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

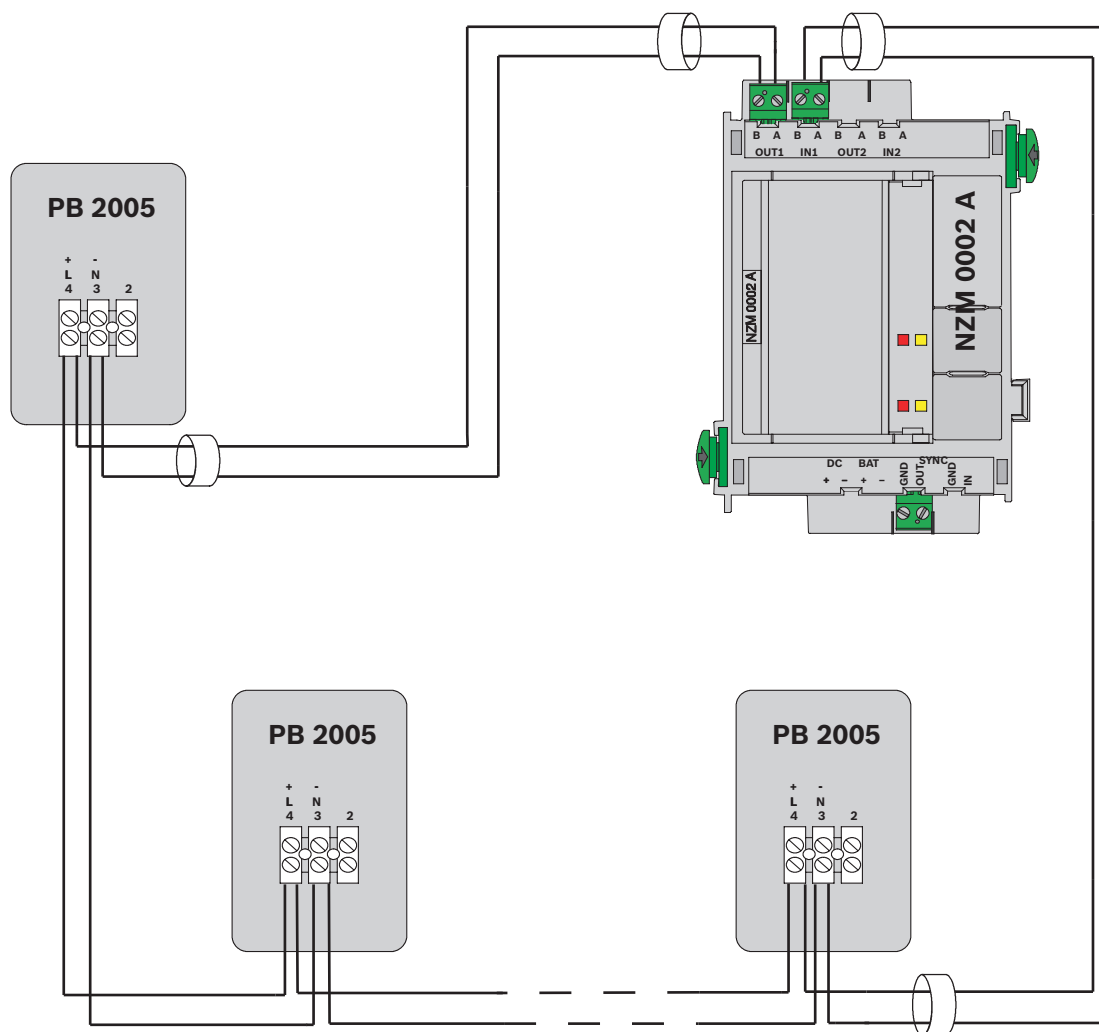


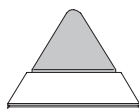
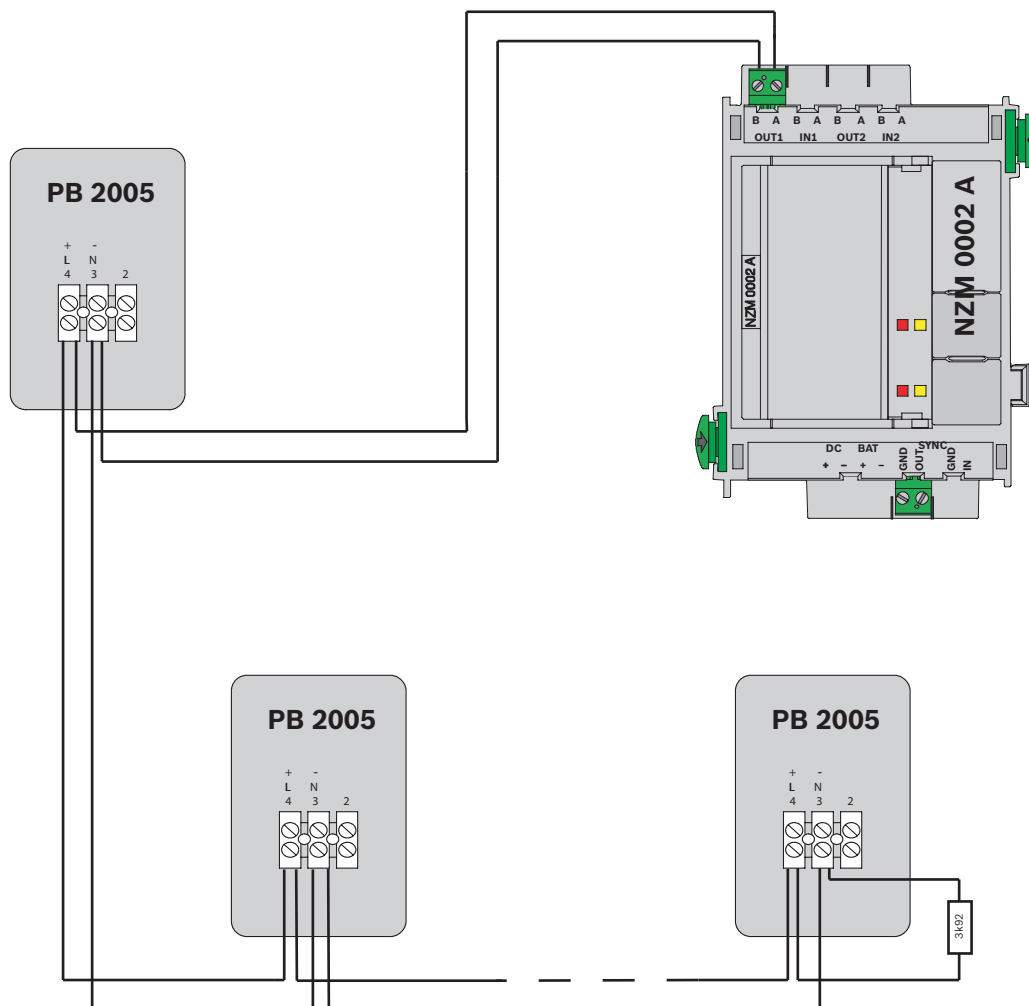
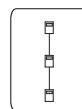


PB 2005



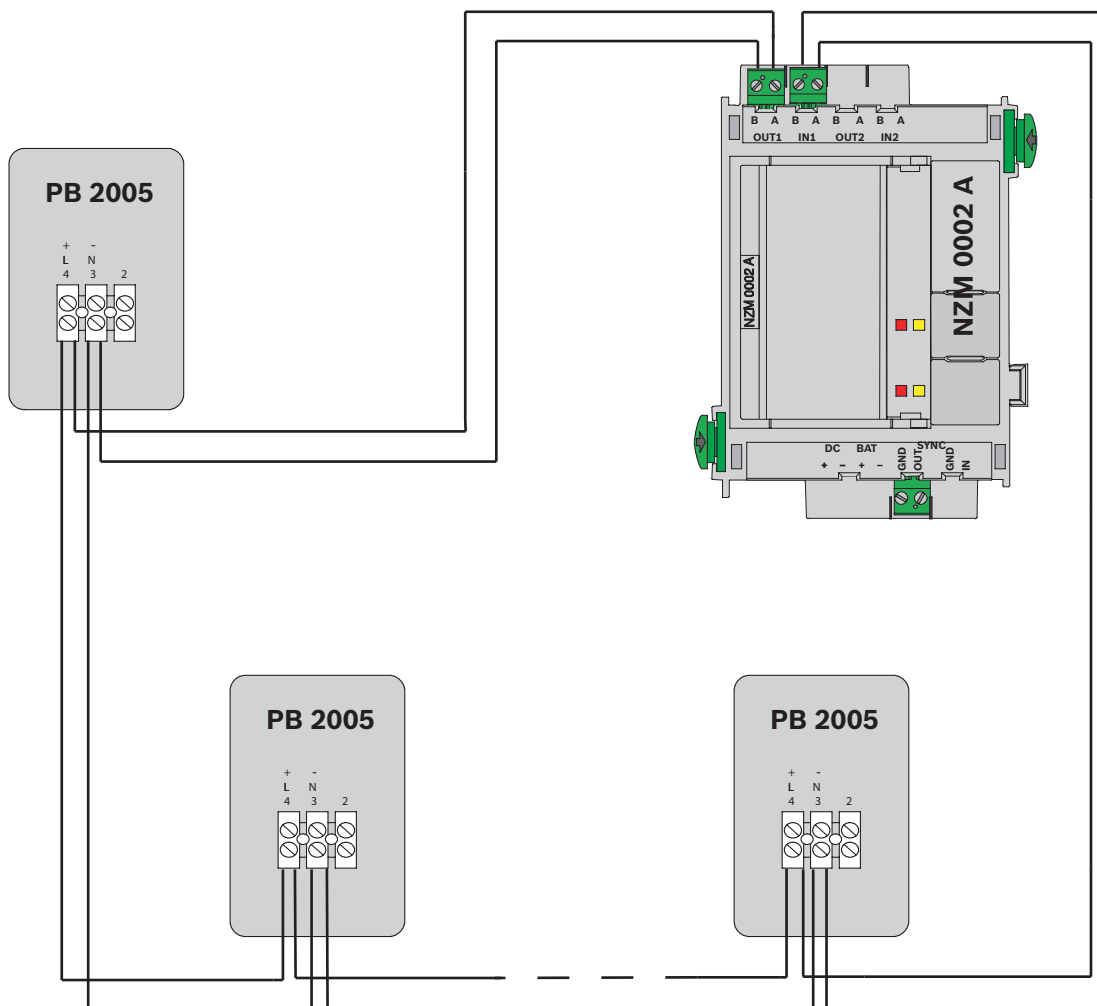
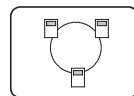
VdS 2489

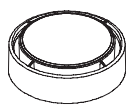


**PB 2005**

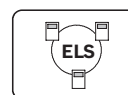


PB 2005

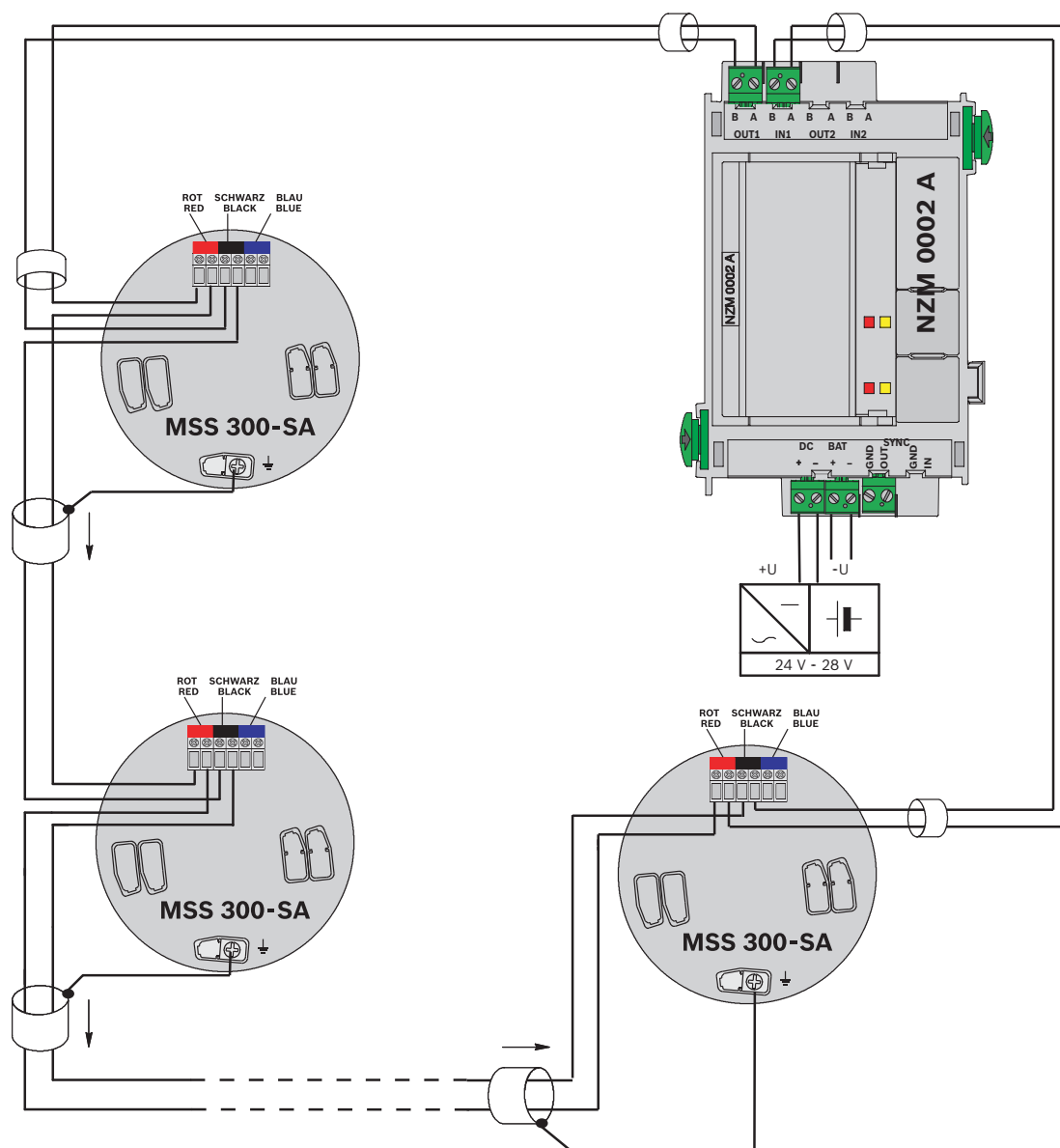




MSS 300-SA

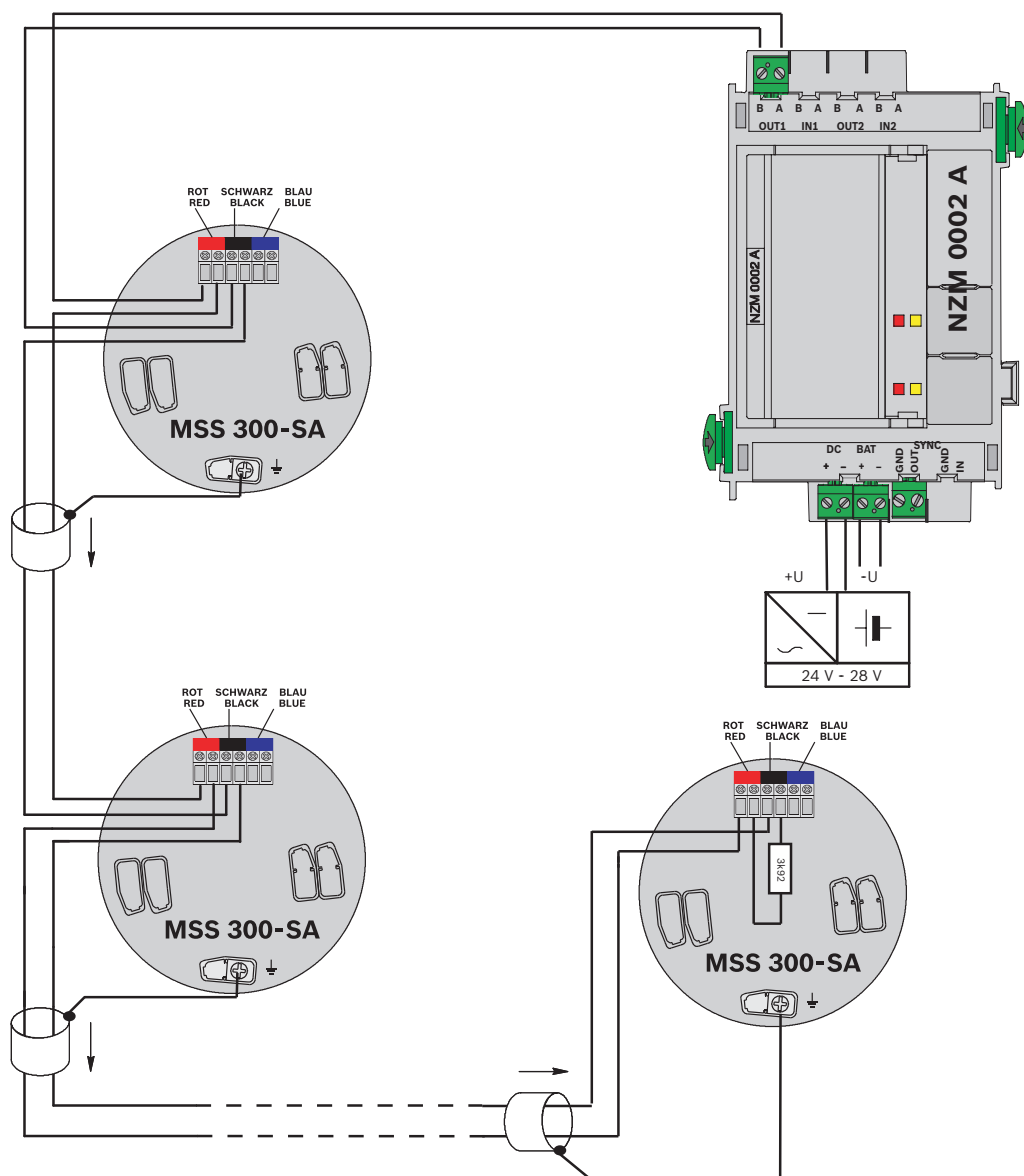
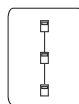


VdS 2489





MSS 300-SA



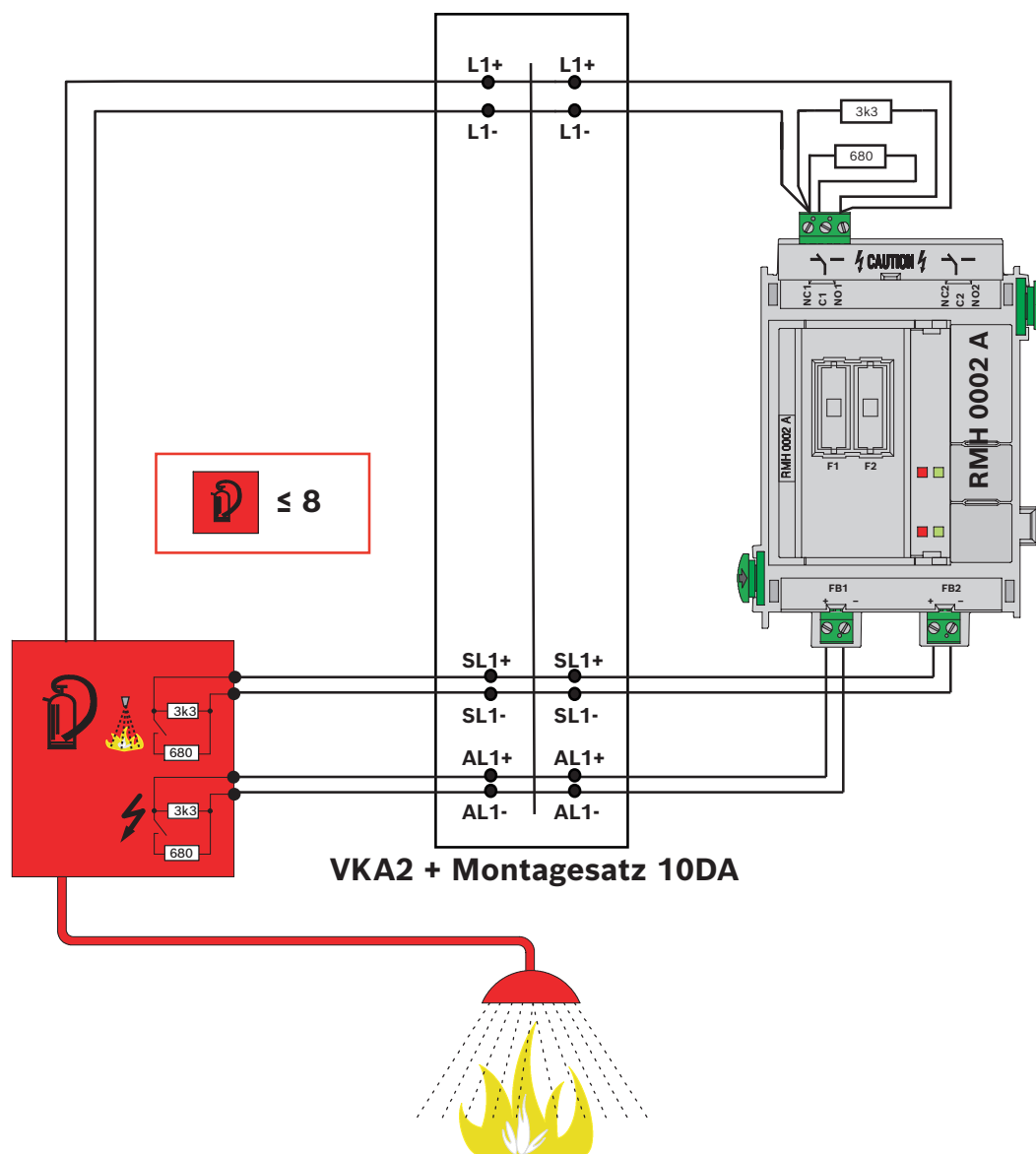
3.3.6

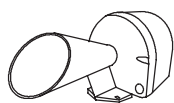
RMH 0002 A



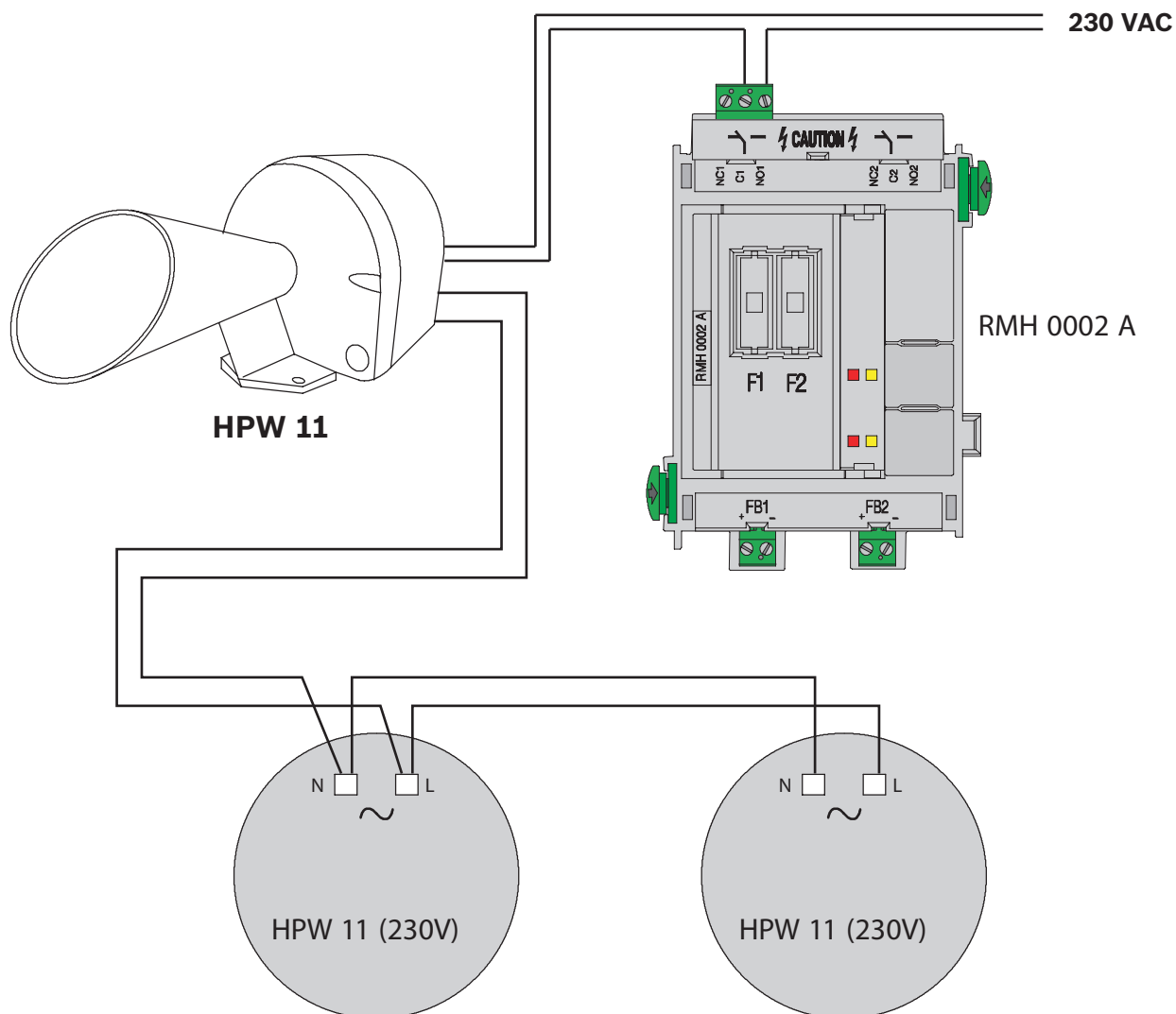
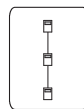
Löschanlage

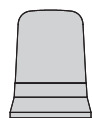
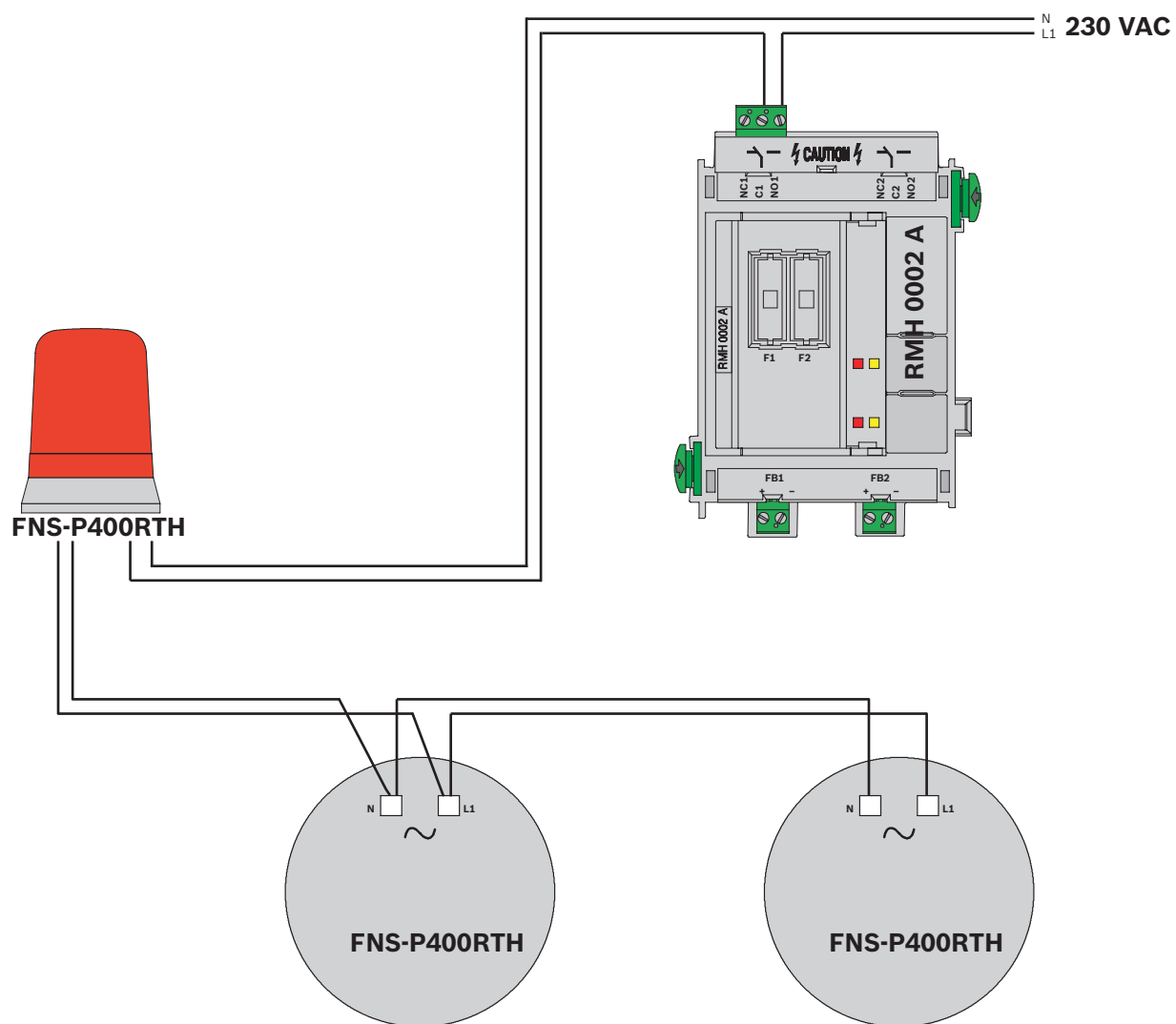
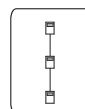
VdS 2496:2005-09





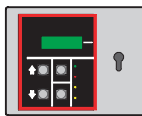
HPW 11



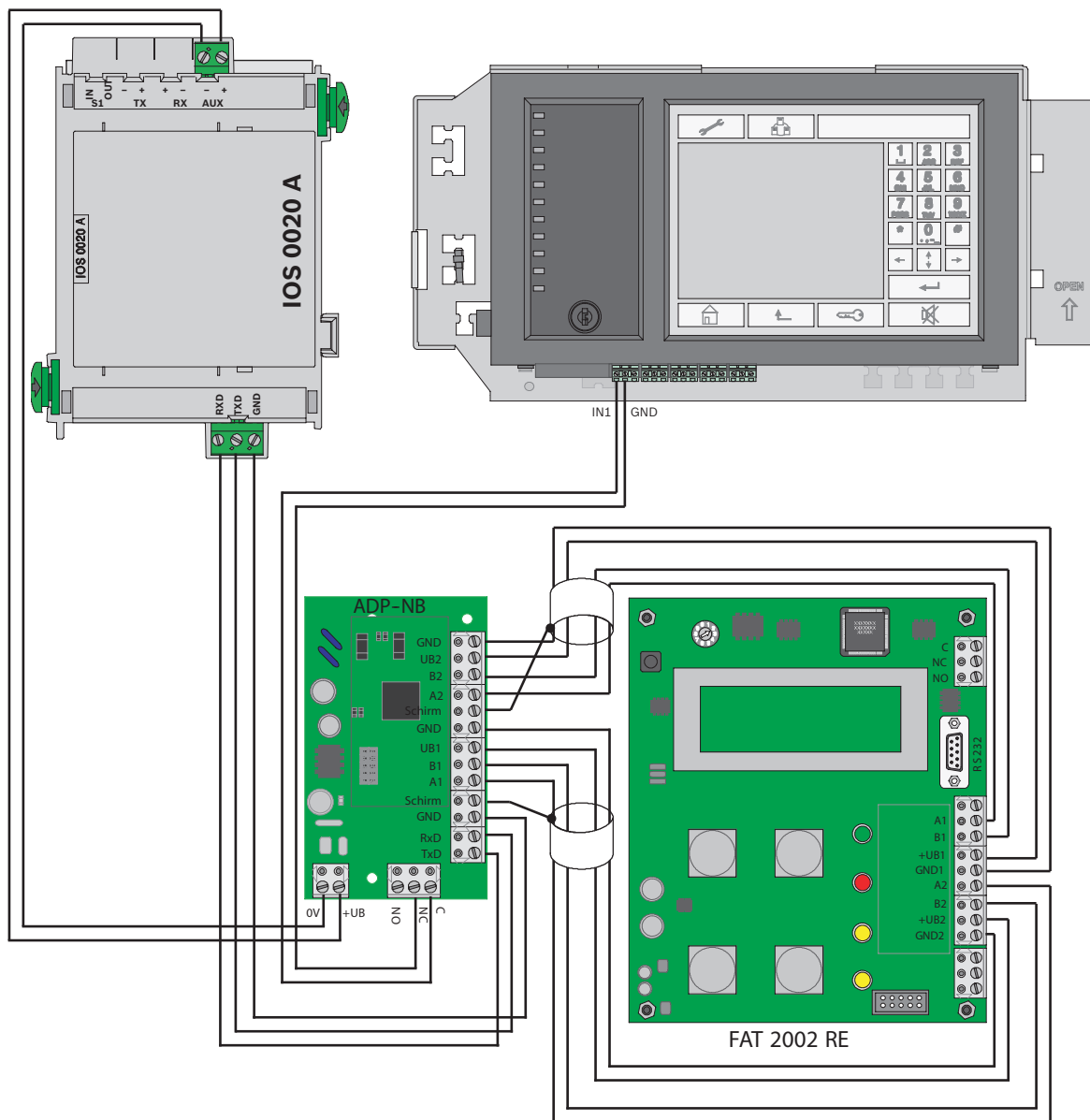
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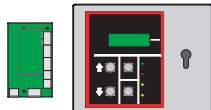
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IOS 0020 A

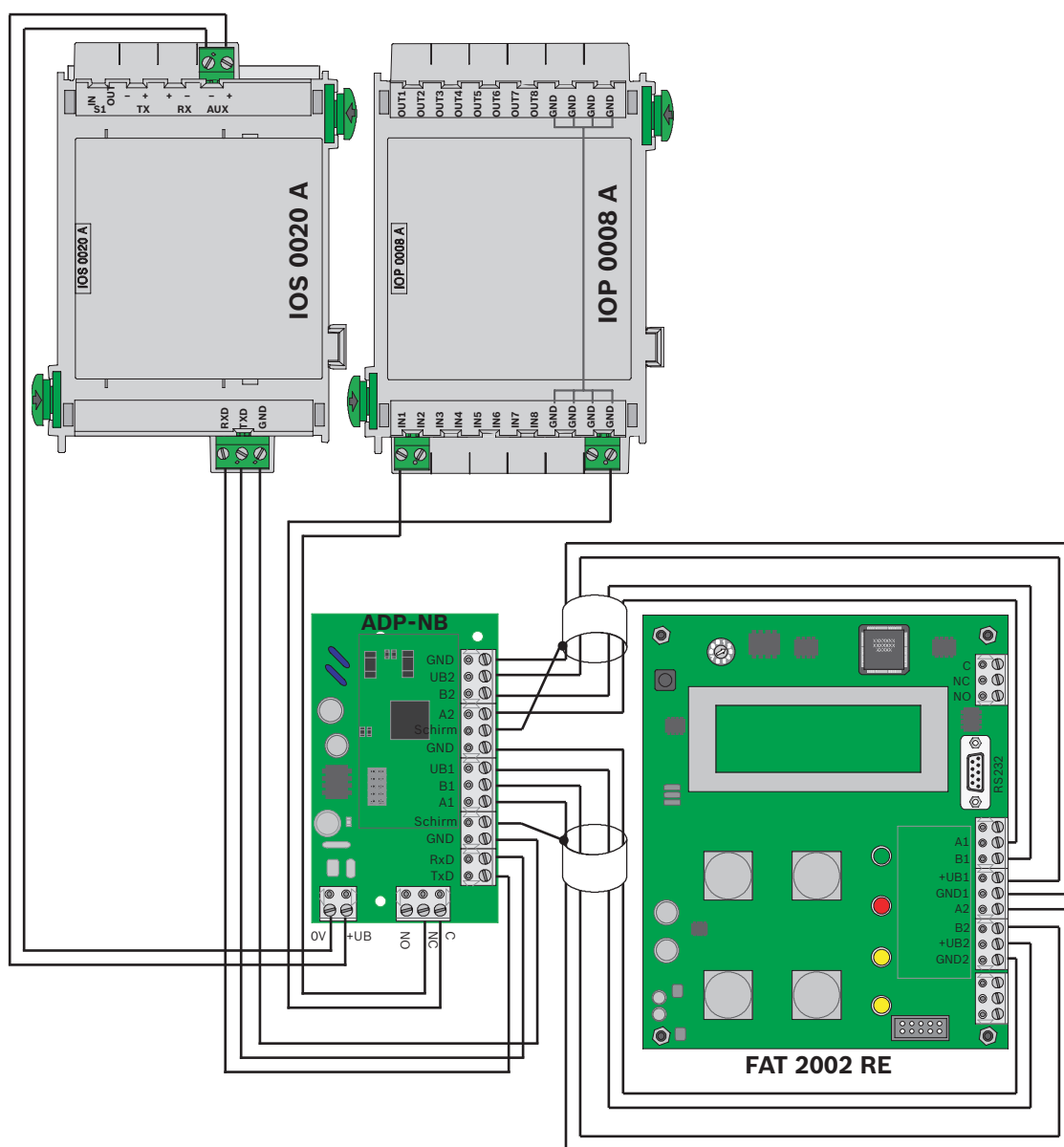


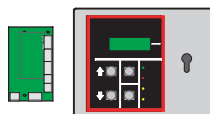
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ADP-NB**



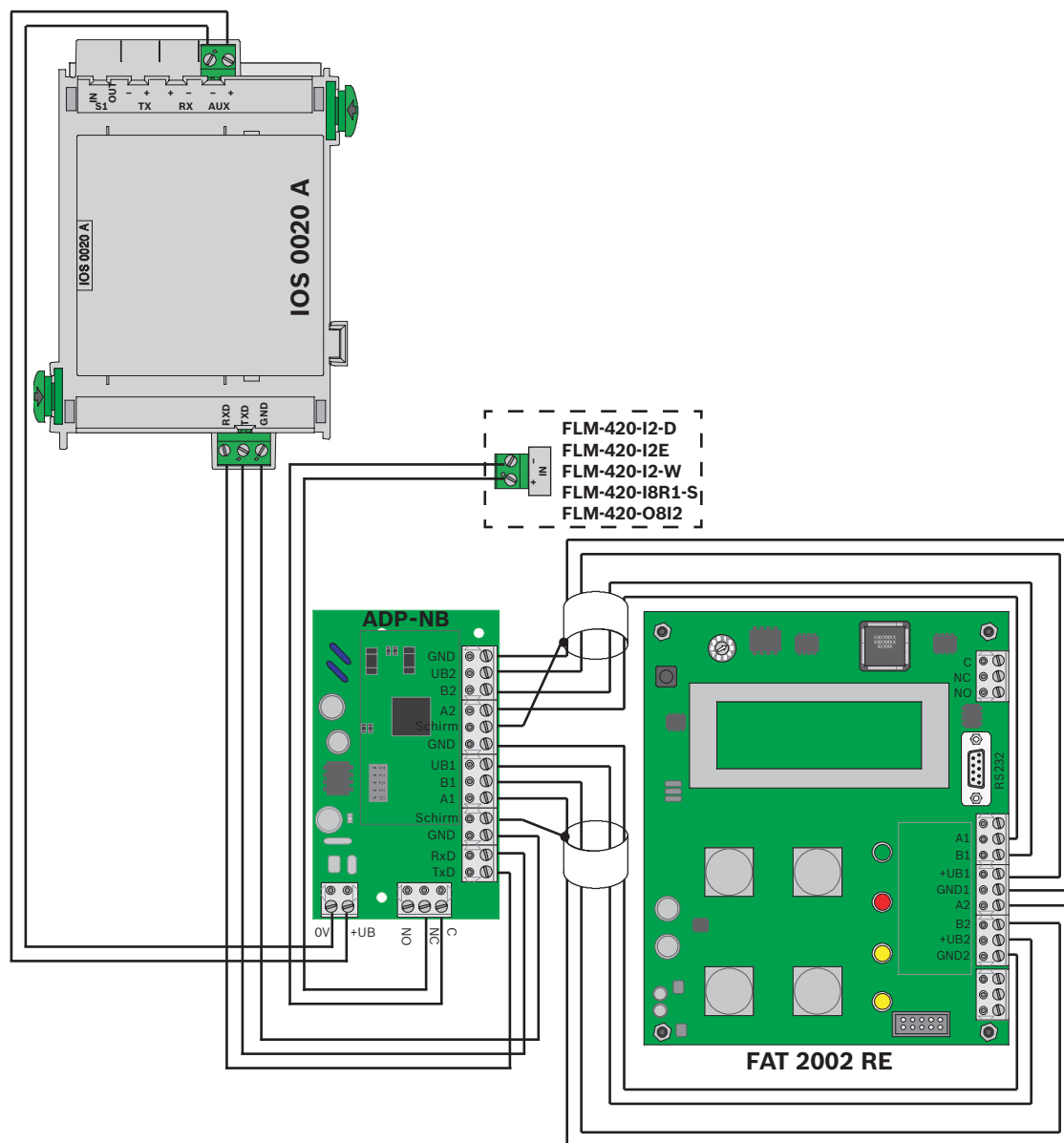


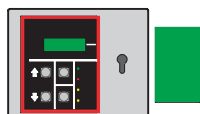
**FAT 2002 RE
ADP-NB**



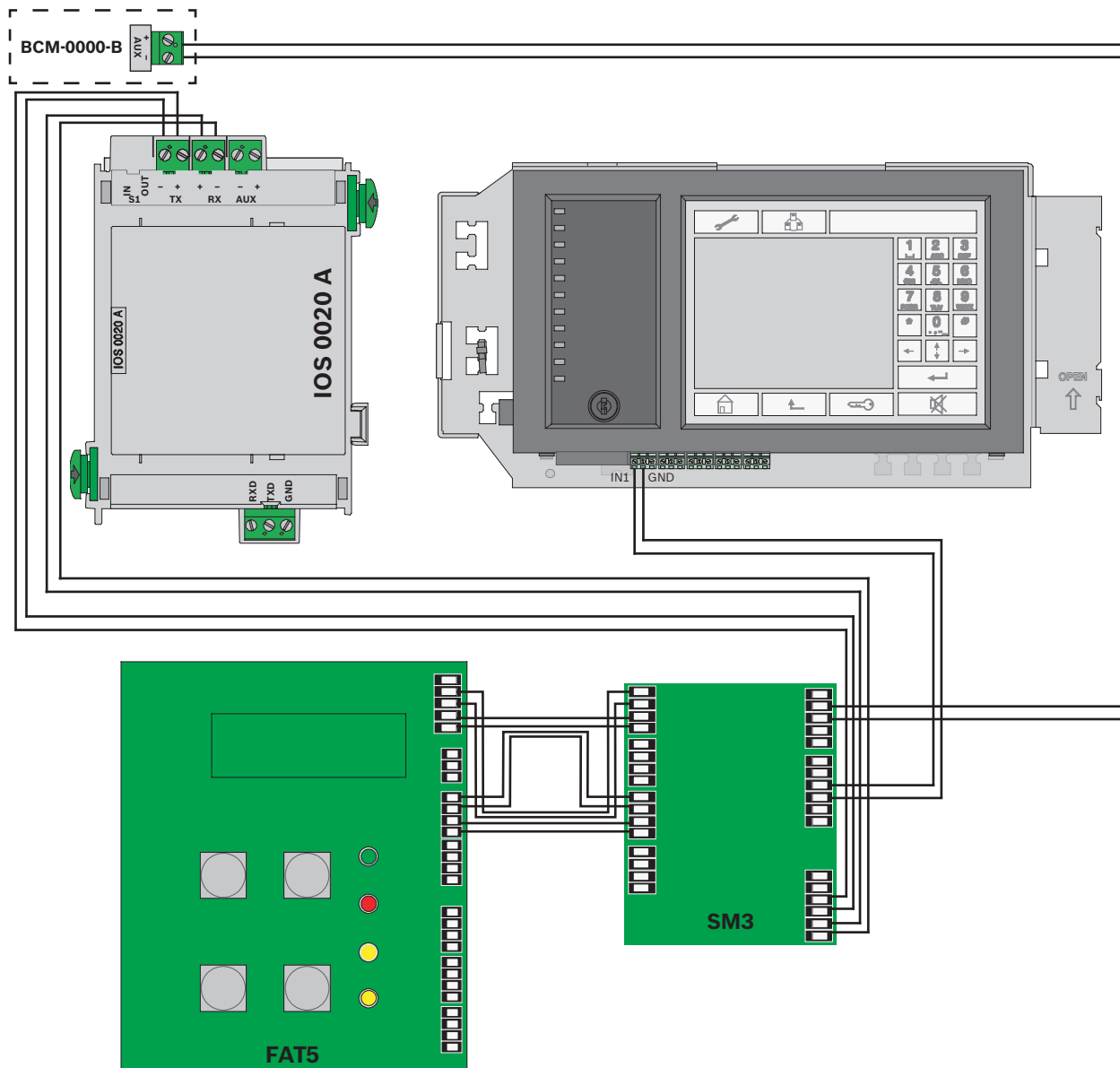


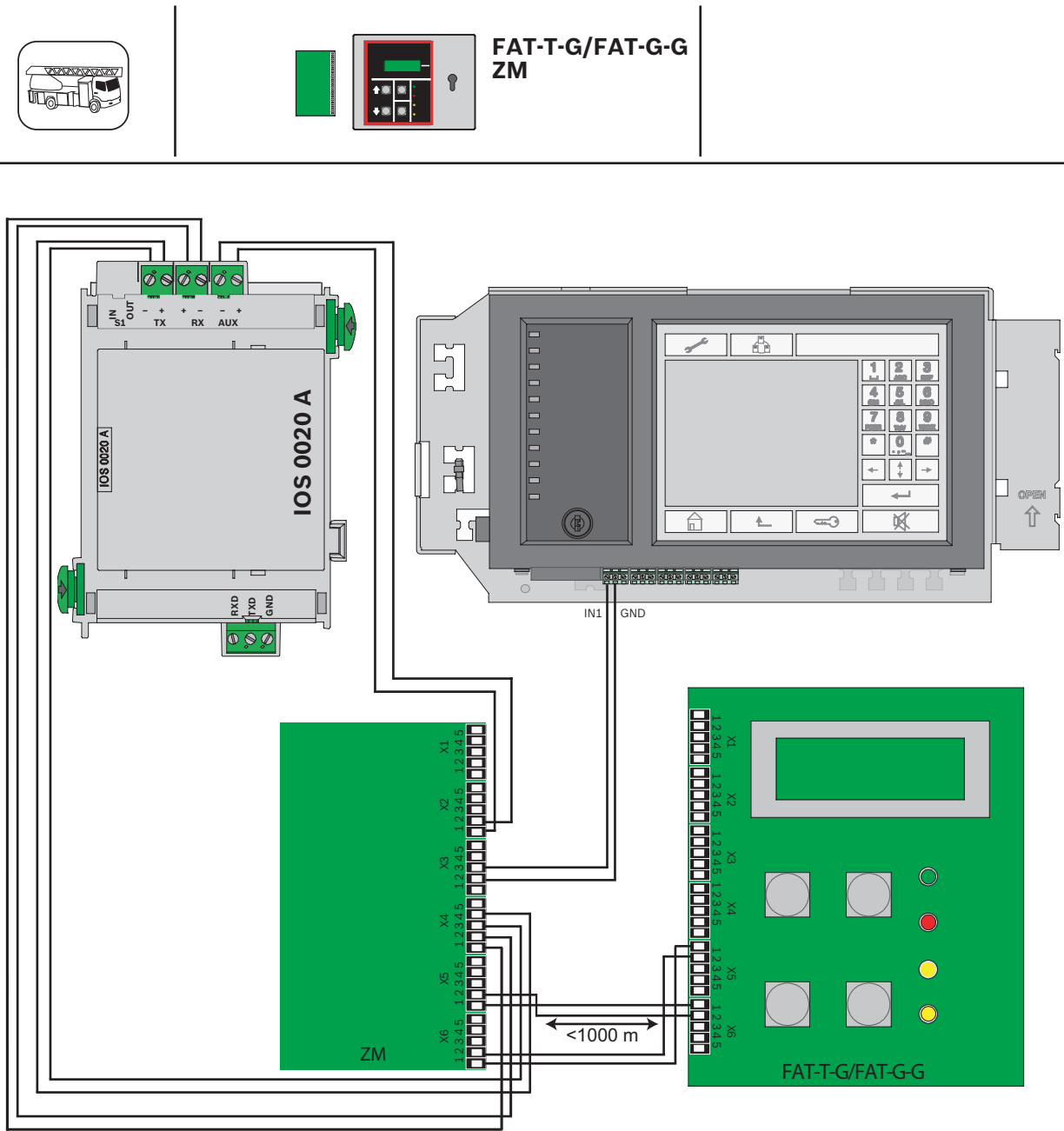
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ADP-NB**

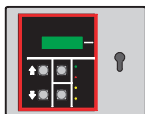




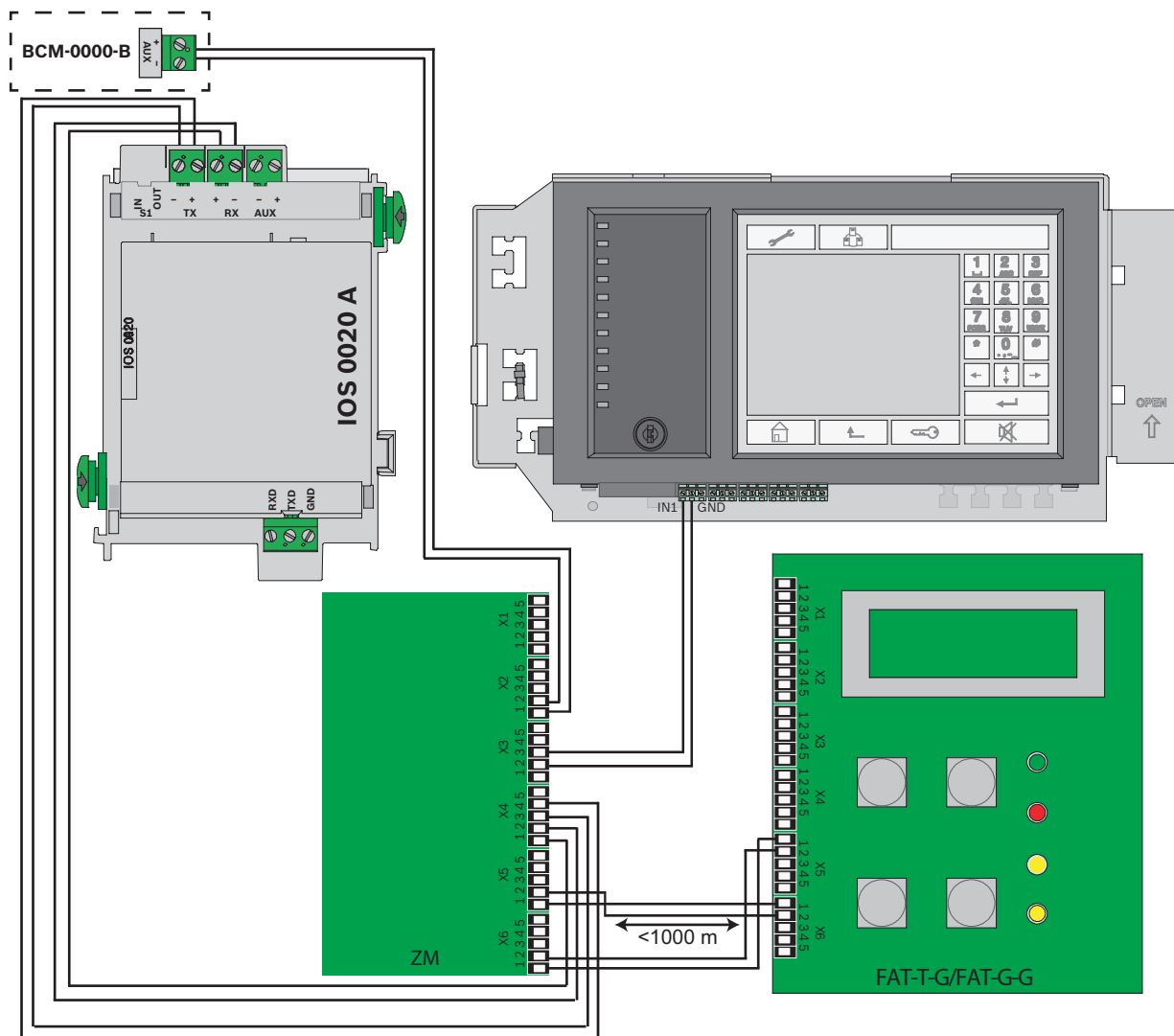
FAT5
SM3

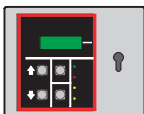




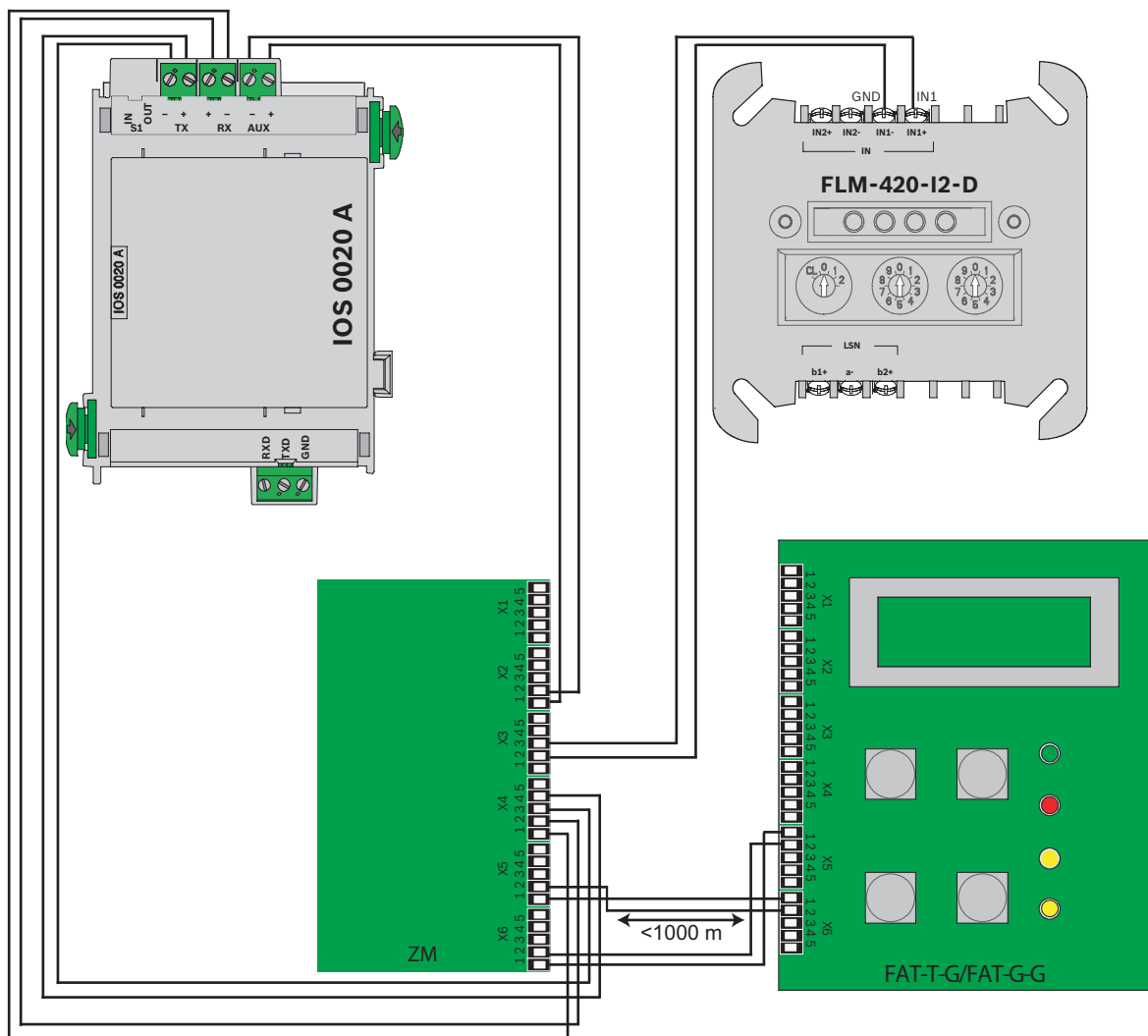


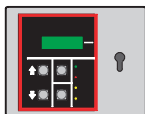
FAT-T-G/FAT-G-G
ZM



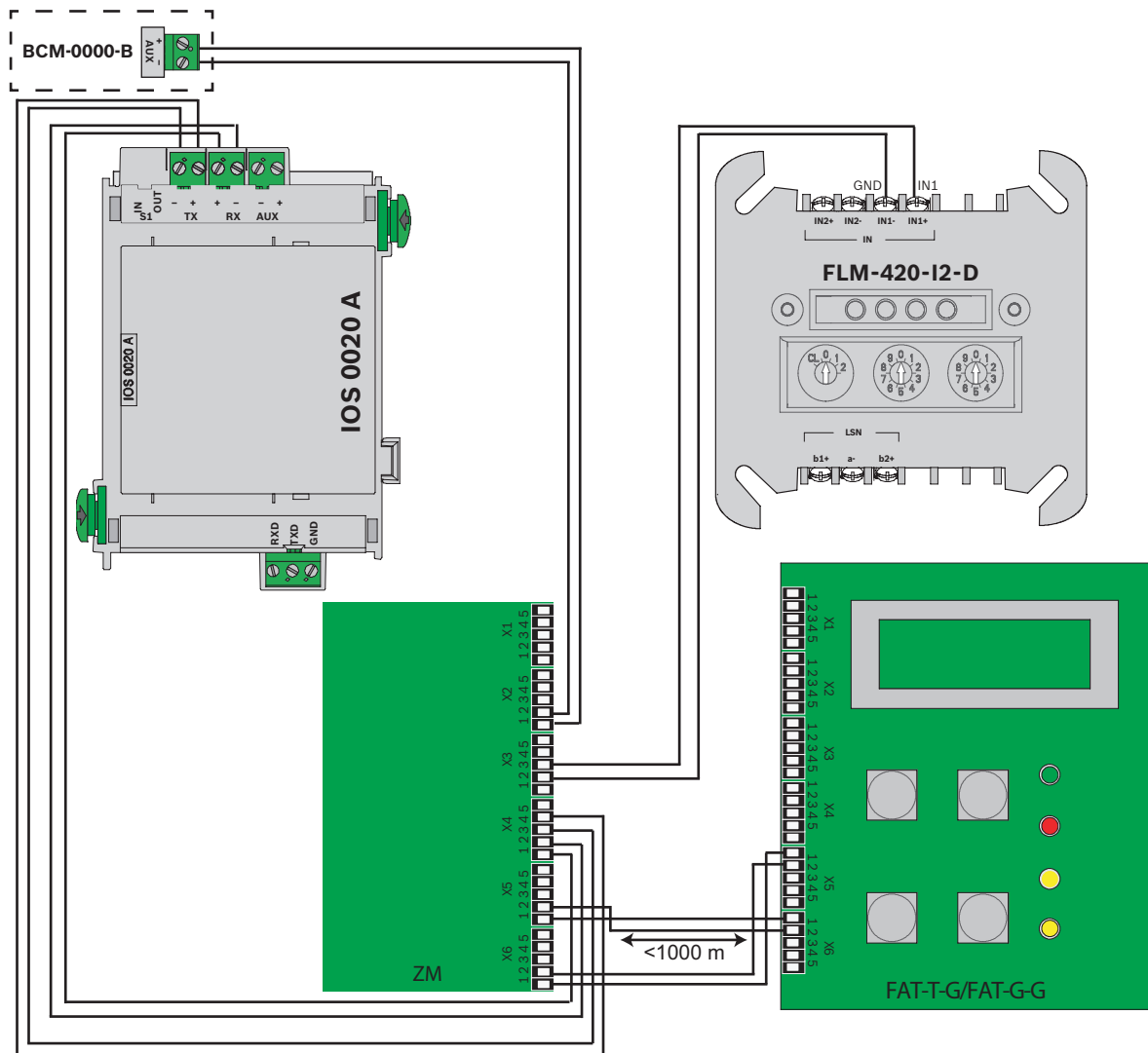


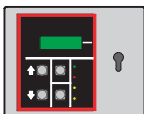
FAT-T-G/FAT-G-G
ZM



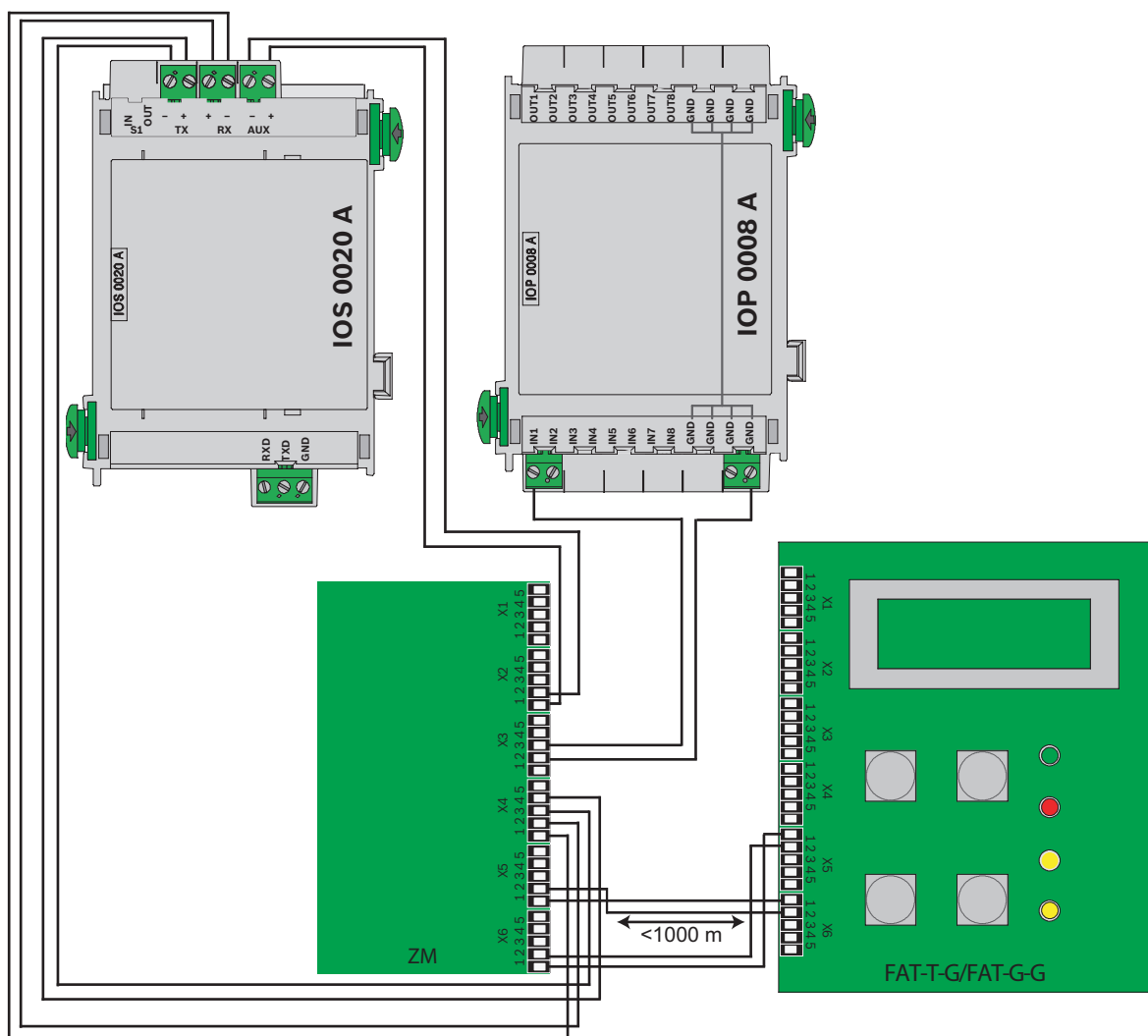


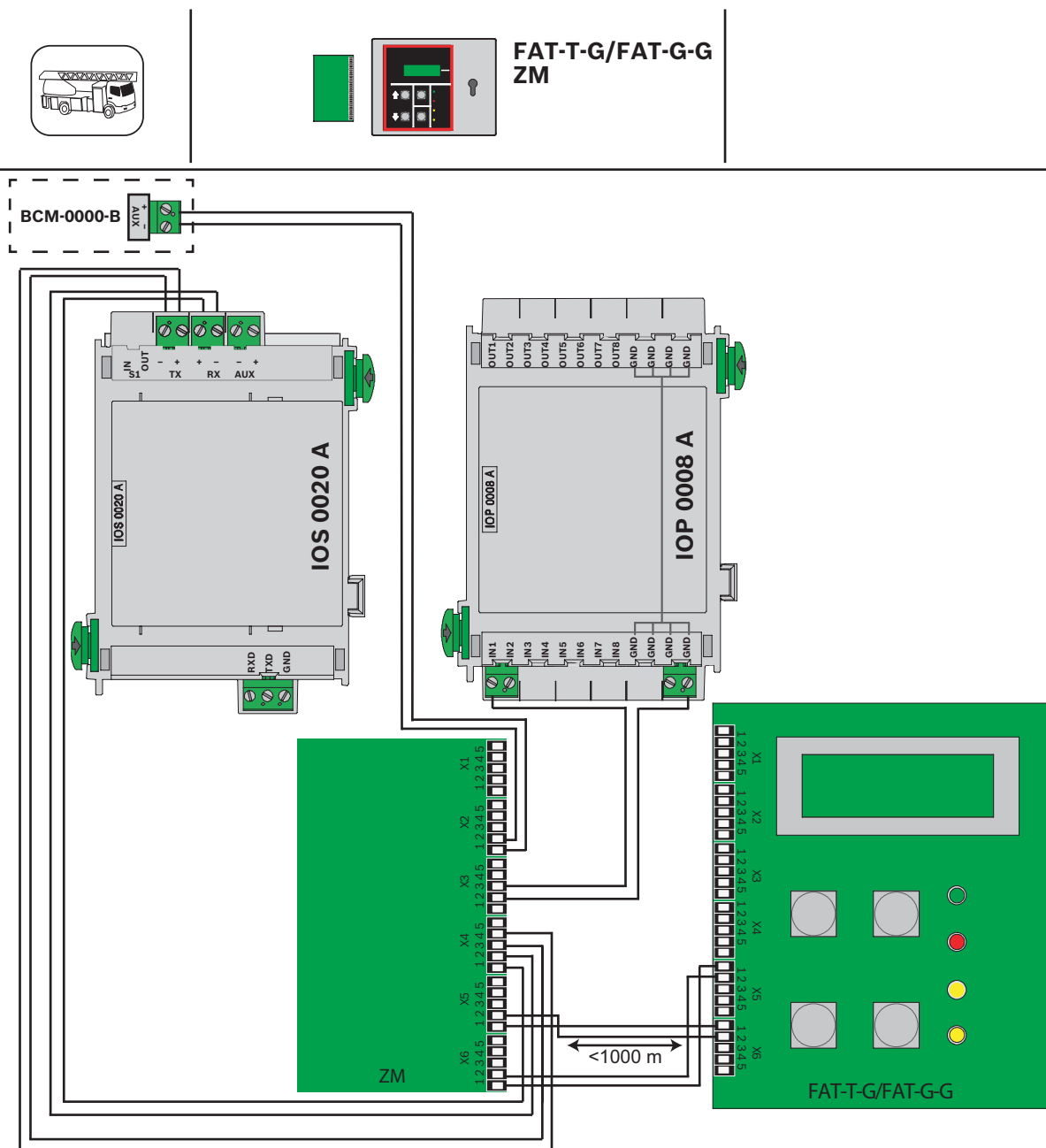
FAT-T-G/FAT-G-G
ZM

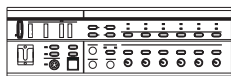
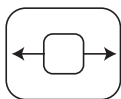




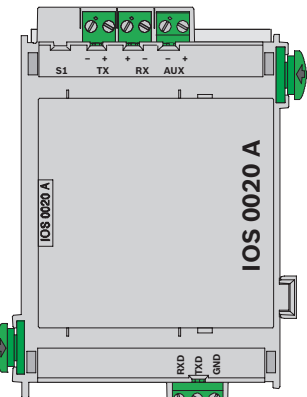
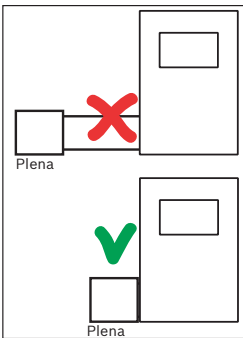
FAT-T-G/FAT-G-G
ZM



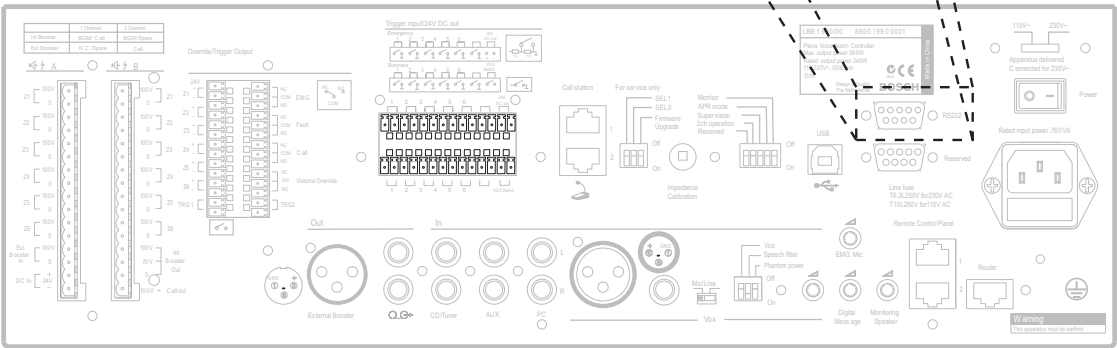
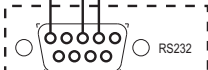


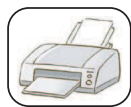


Plena

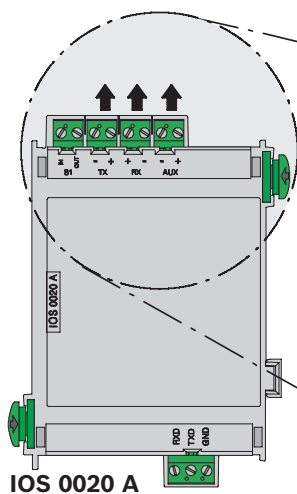
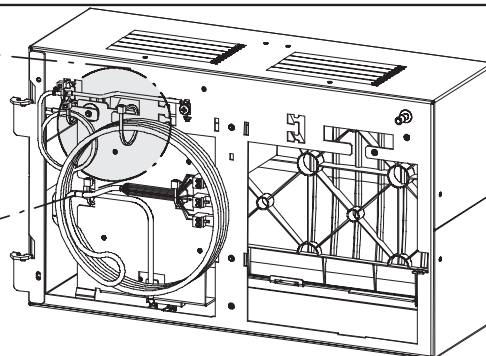
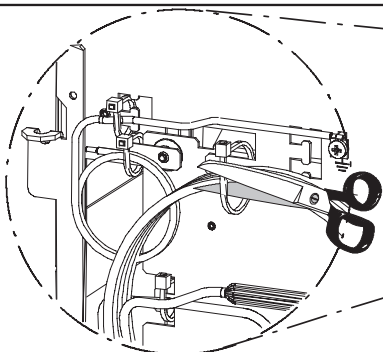


max. 3m

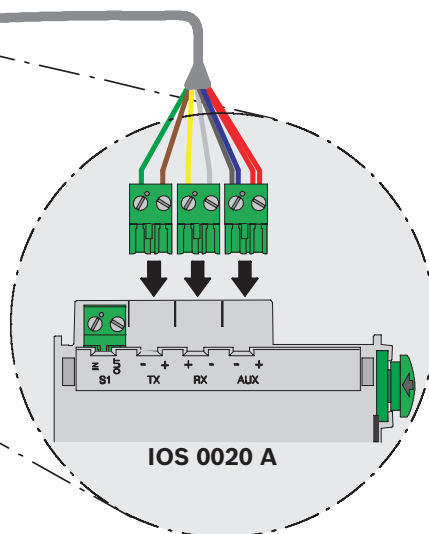




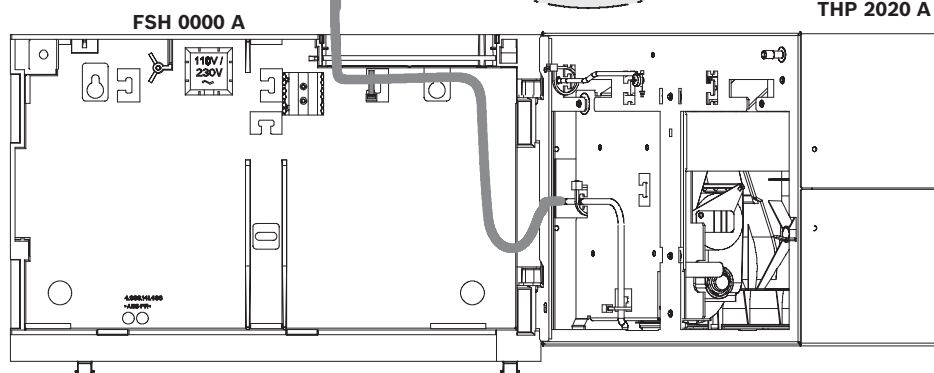
THP 2020 A



IOS 0020 A

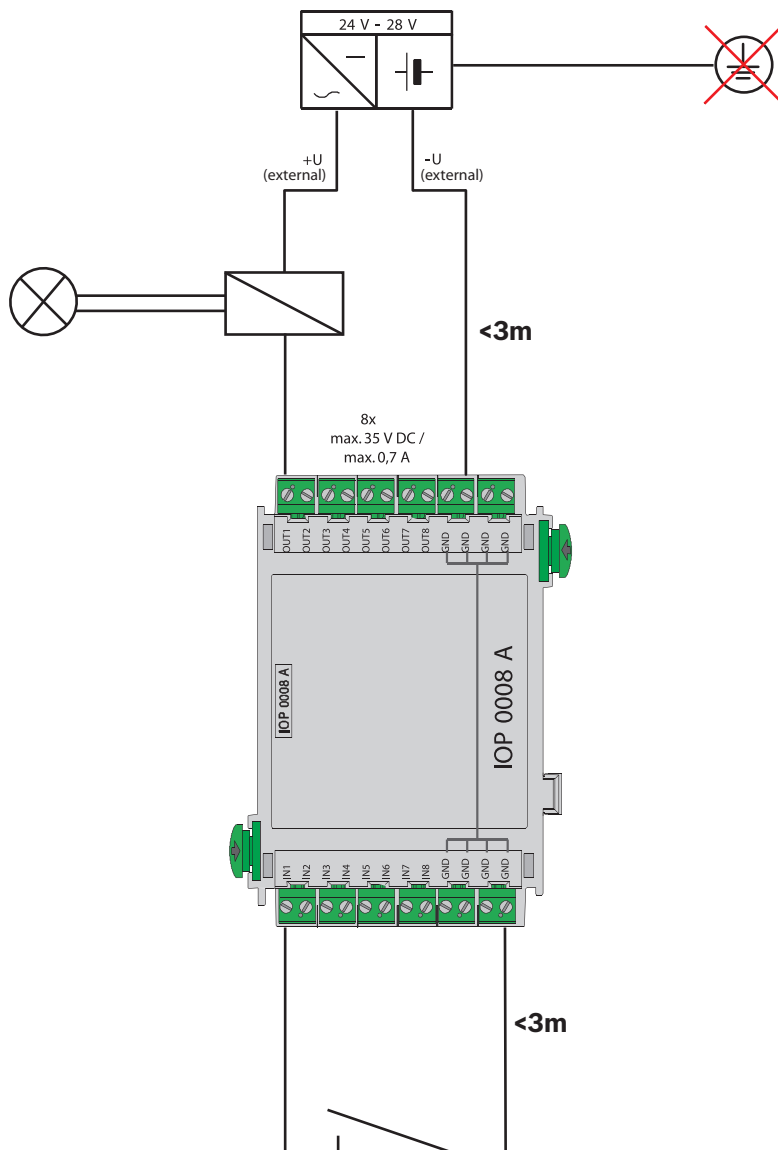
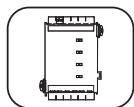


IOS 0020 A



FSH 0000 A

THP 2020 A

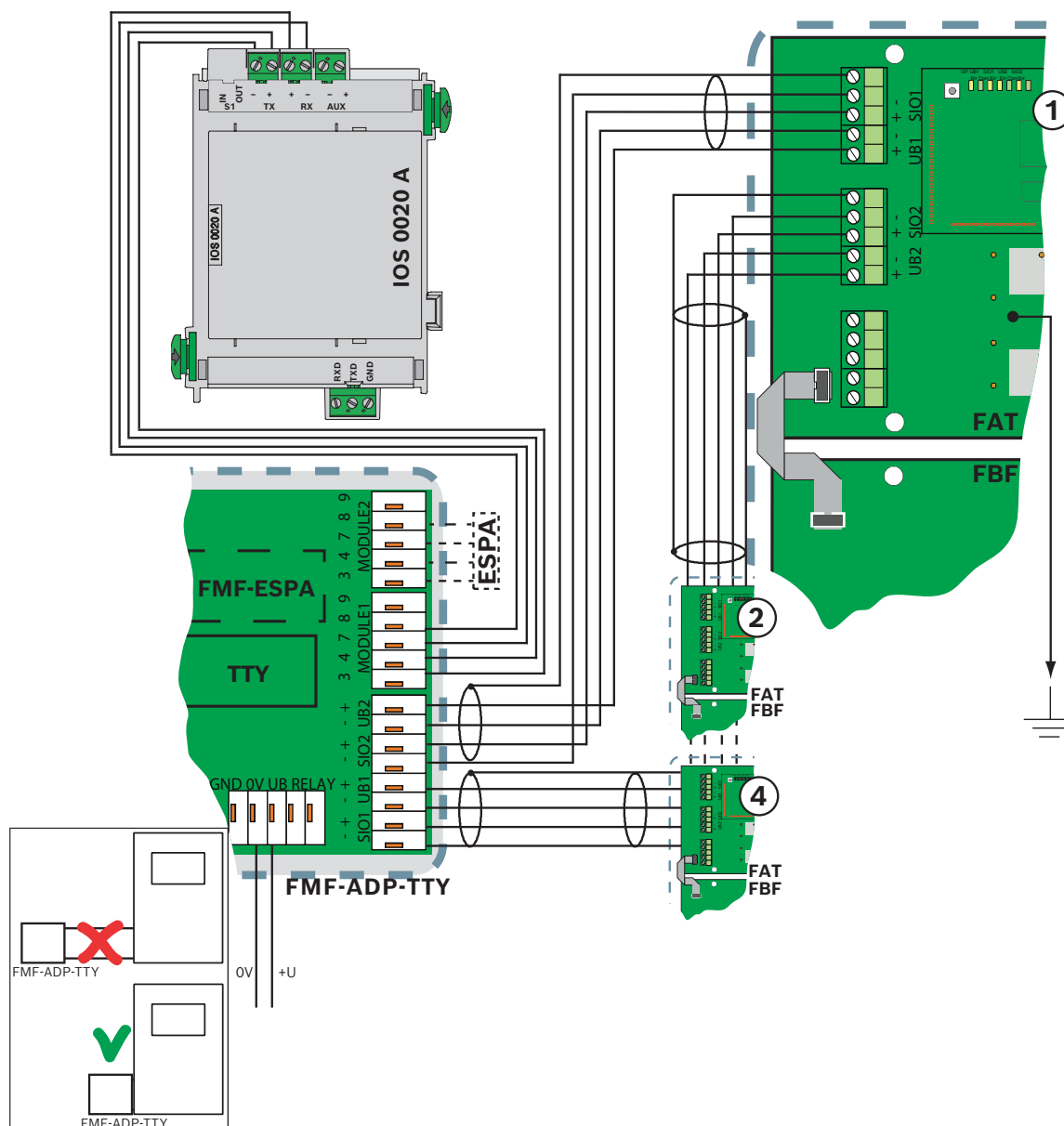




FAT4000 FBF4000 ADP4000

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

ELS VdS 2489

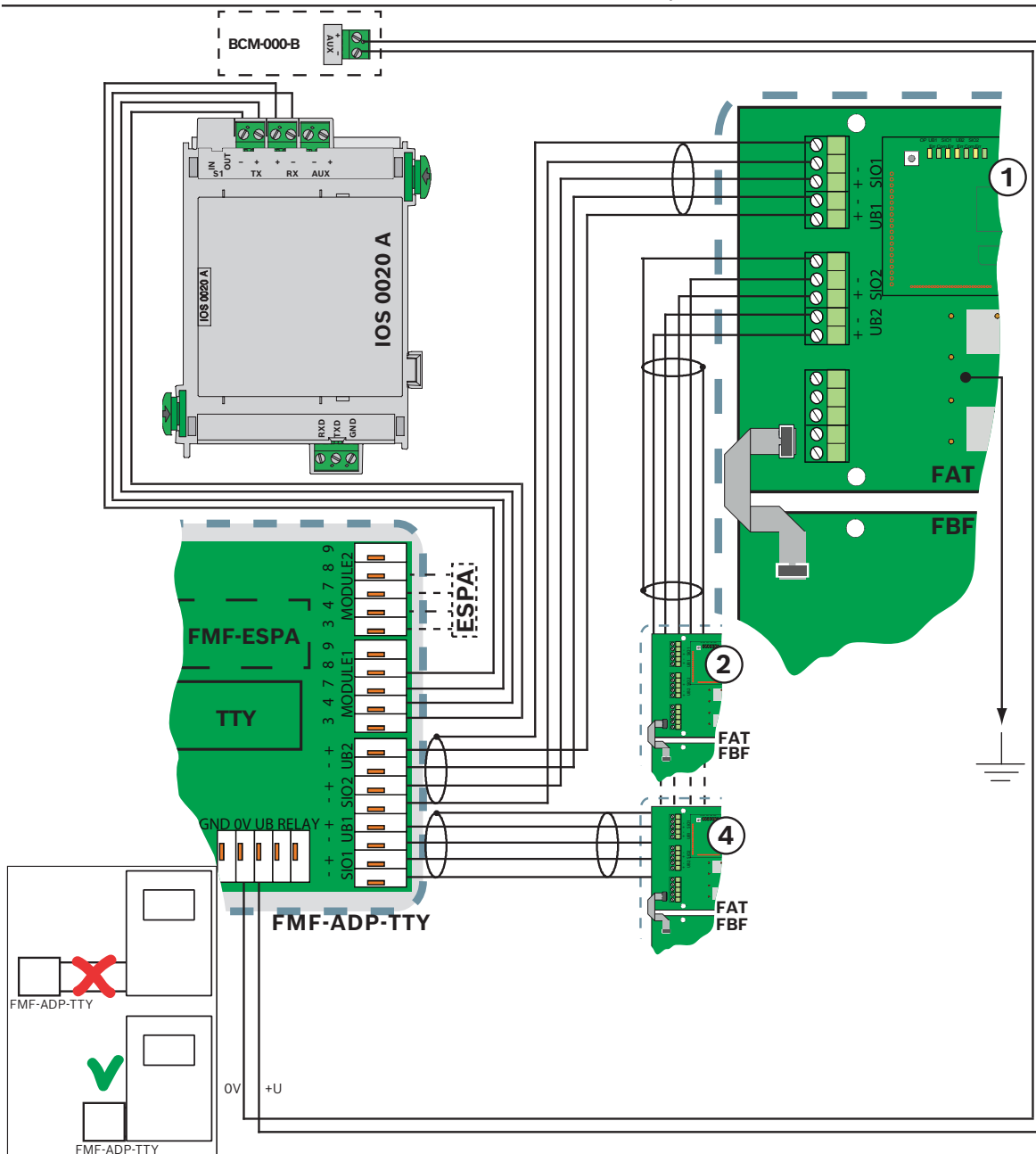




FAT4000 FBF4000 ADP4000

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

ELS VdS 2489



3.3.8

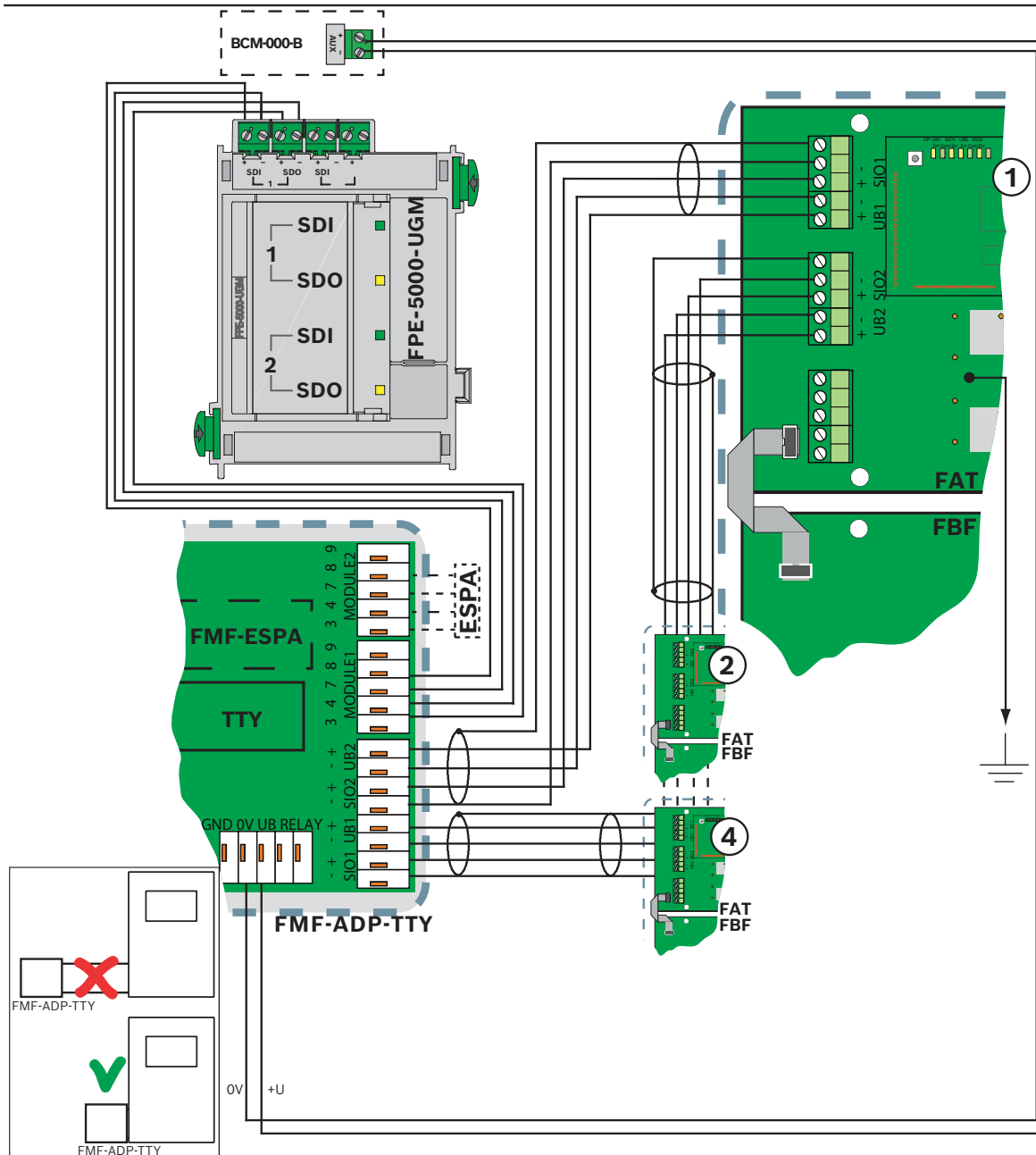
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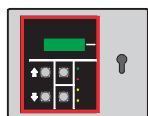


FAT4000 FBF4000 ADP4000

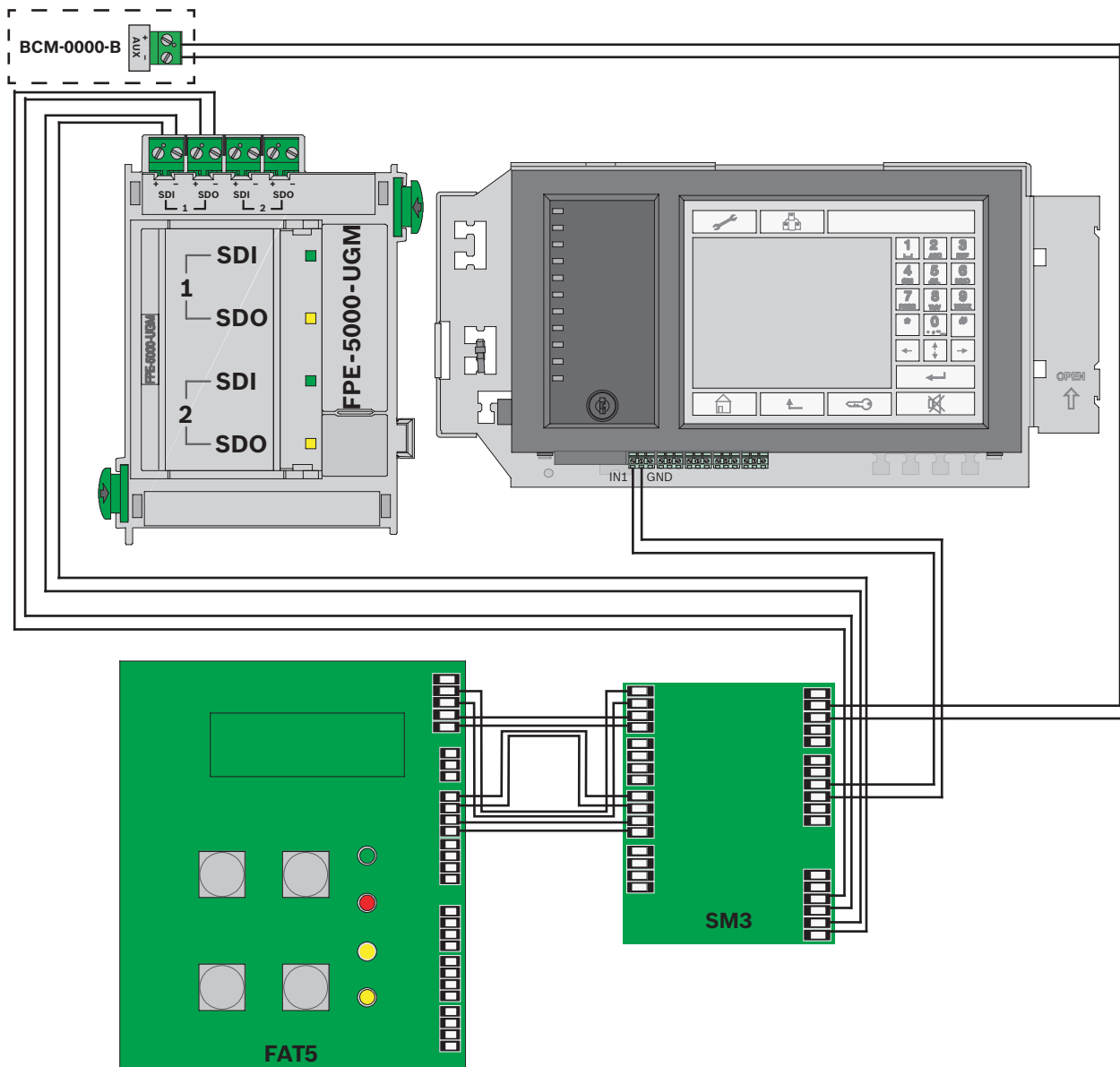
FMF-FAT FMF-FBF-FAT
FMF-FIBS-A4/-A3
FMF-ADP

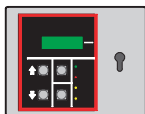
ELS VdS 2489



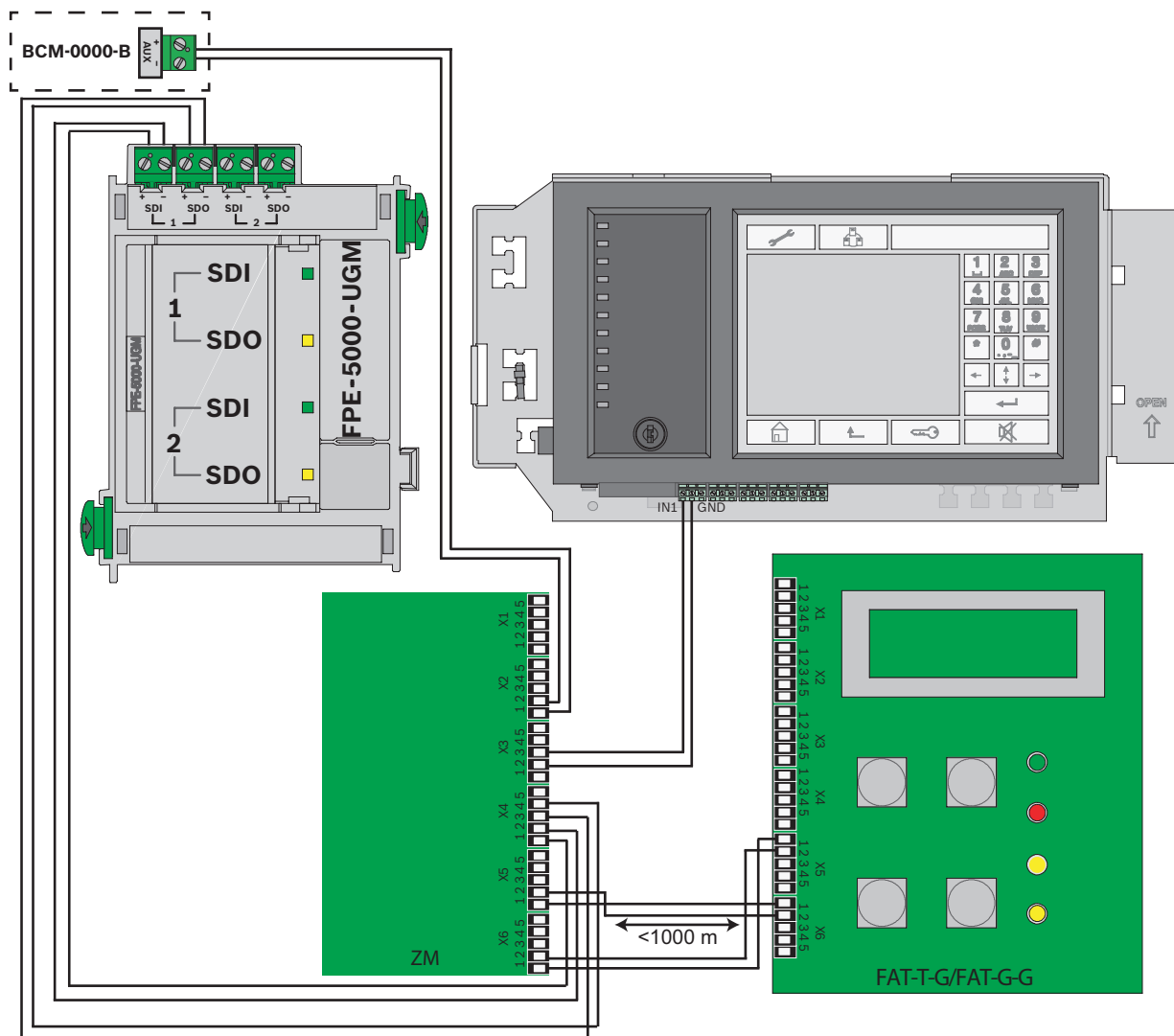


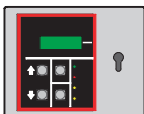
FAT5
SM3



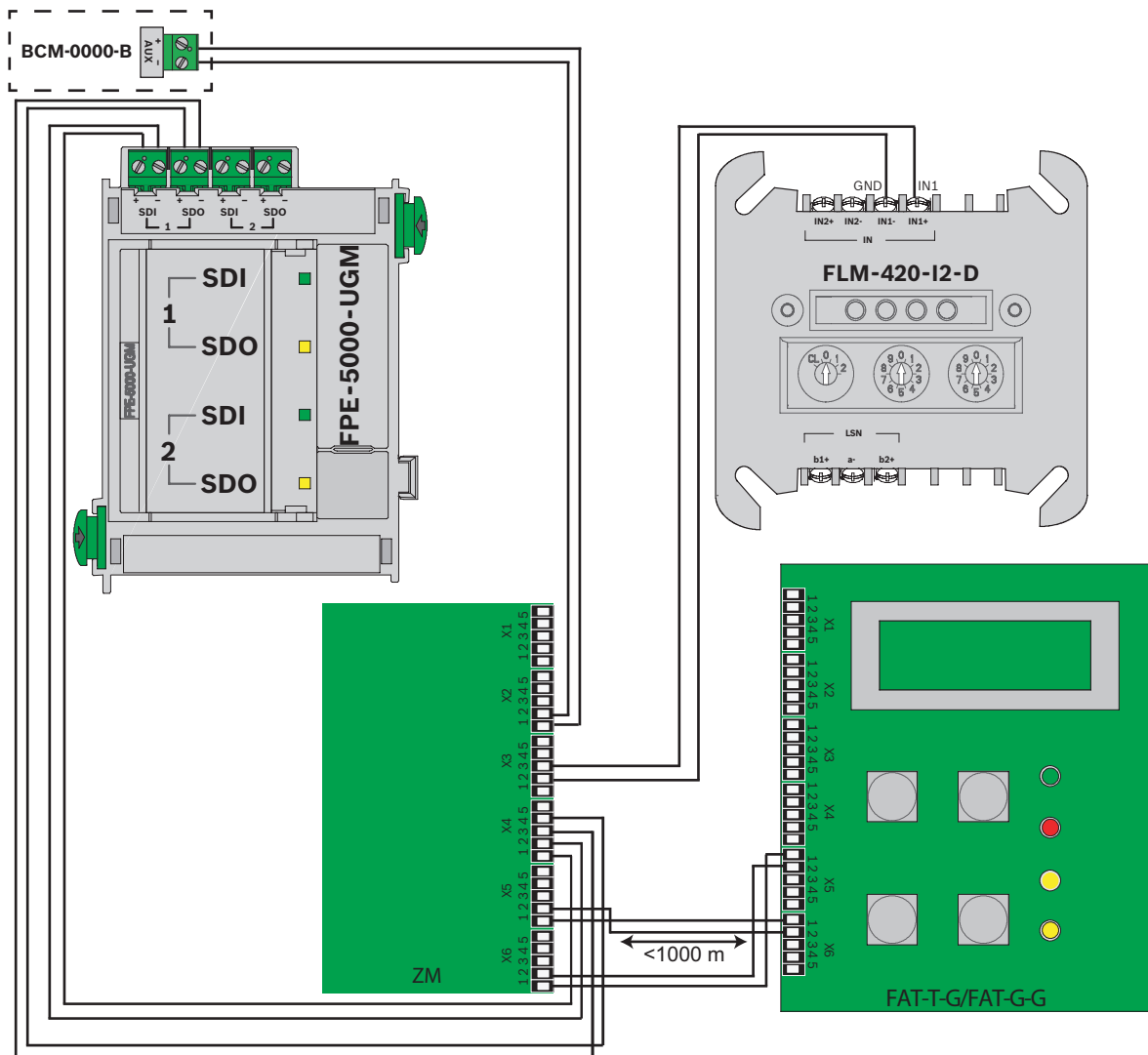


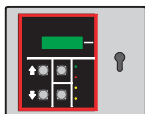
FAT-T-G/FAT-G-G
ZM



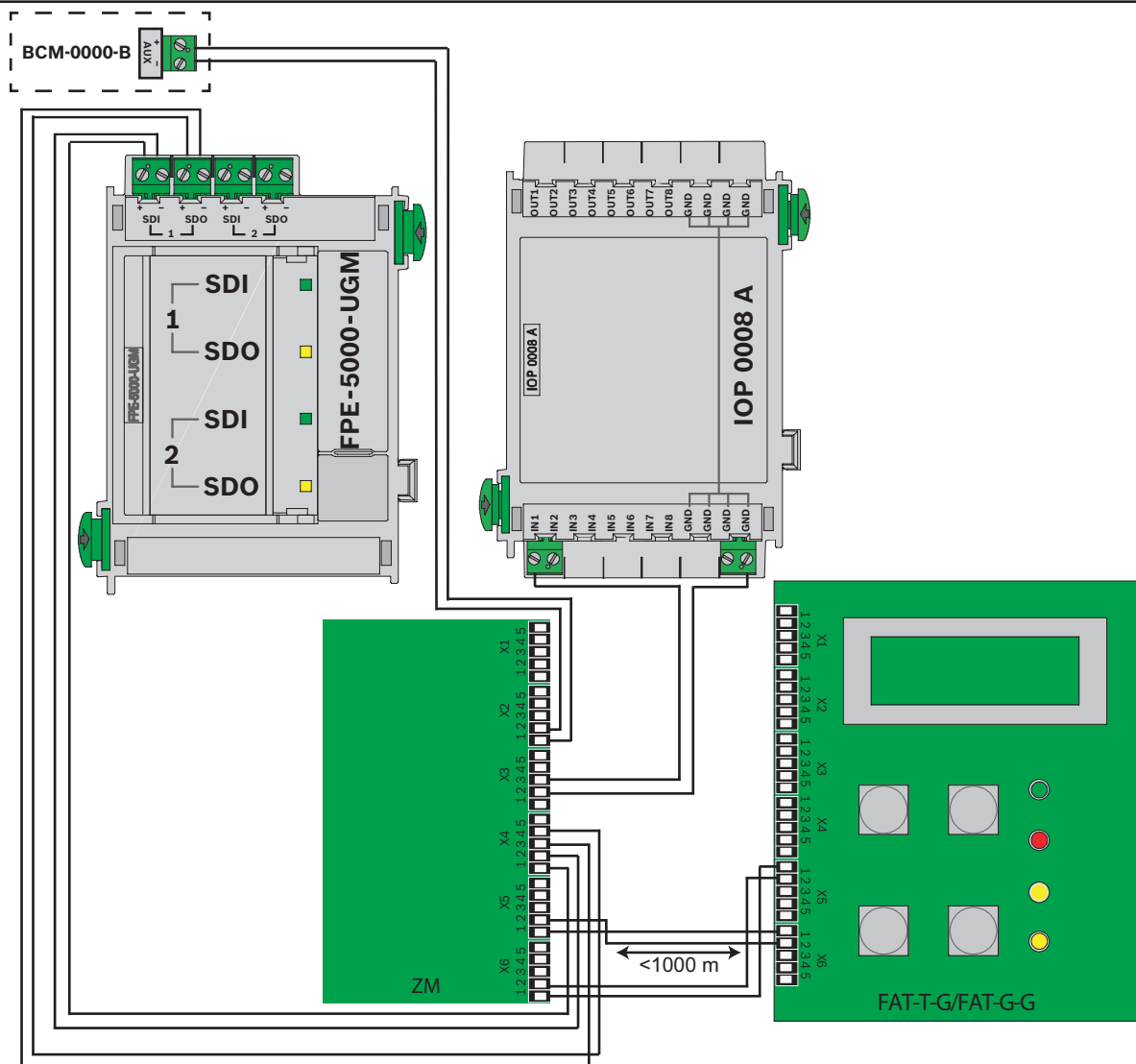


**FAT-T-G/FAT-G-G
ZM**





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



3.4

Moduli sučelja



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

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

FLM-420-RLE-S, stranica 175

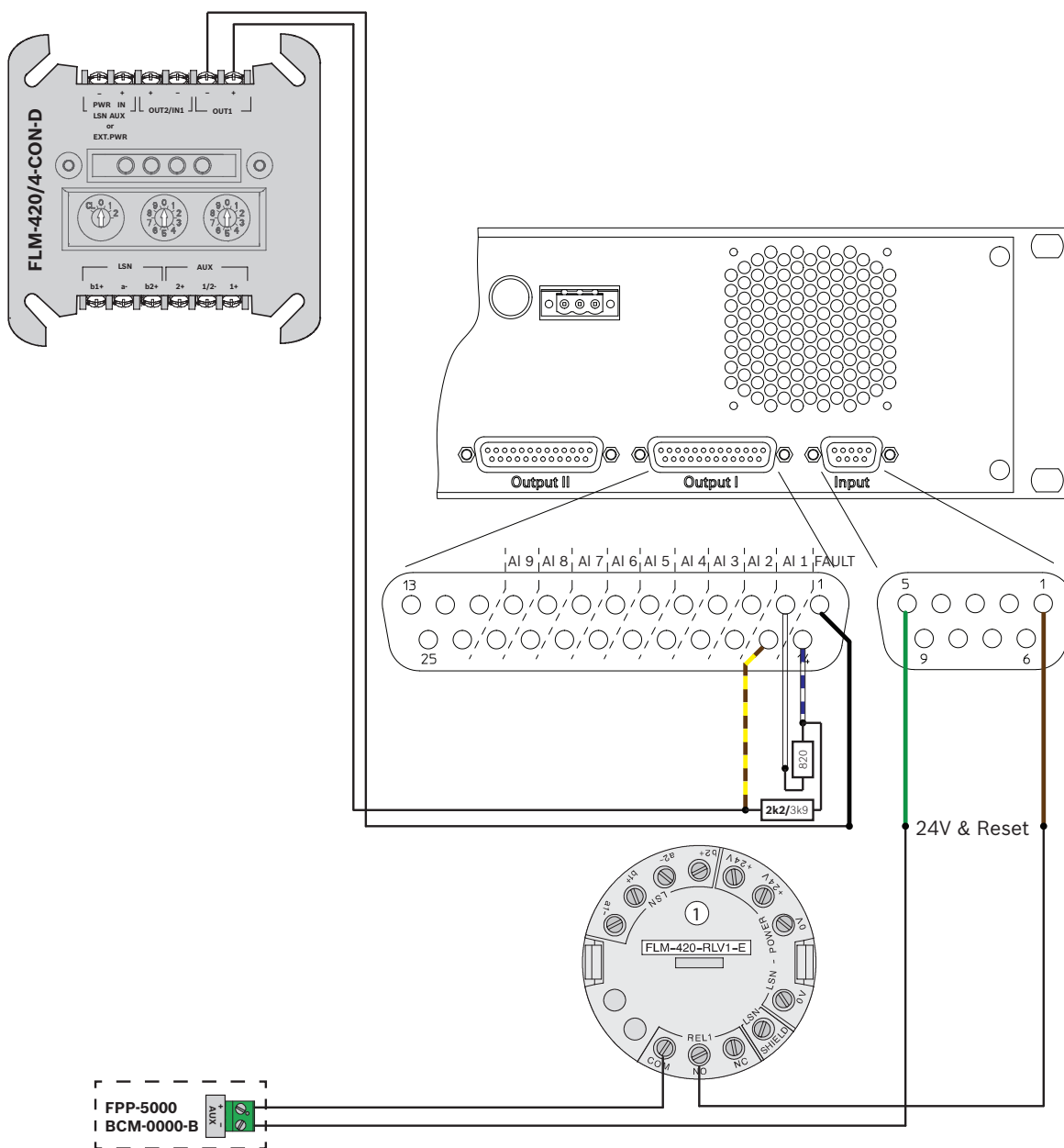
FLM-420-RLV1-E, stranica 176

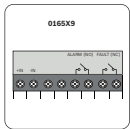
FLM-420-RLV8-S, stranica 177

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

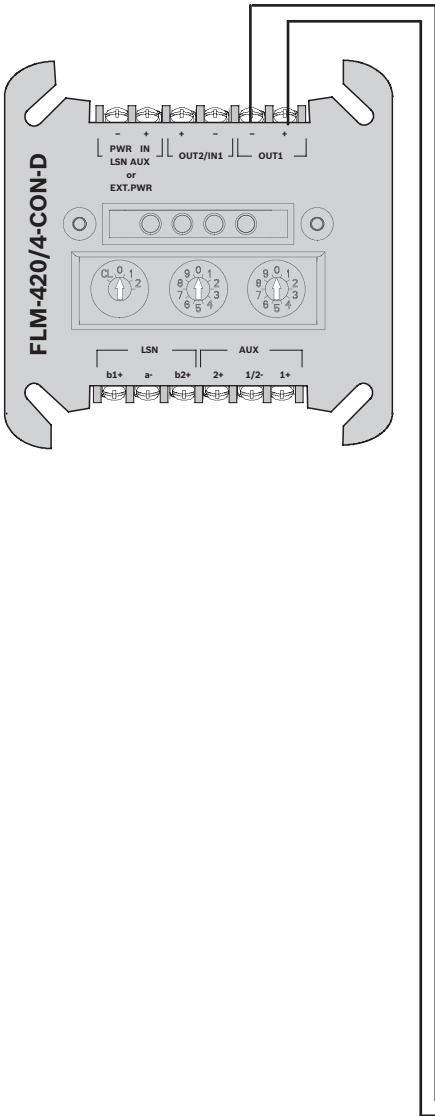
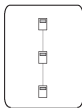


N4387A

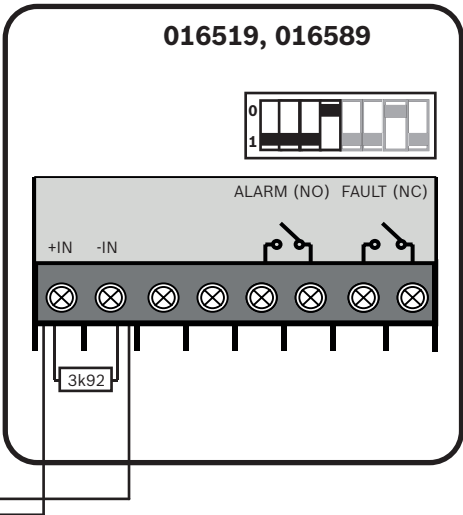


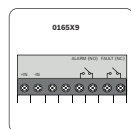
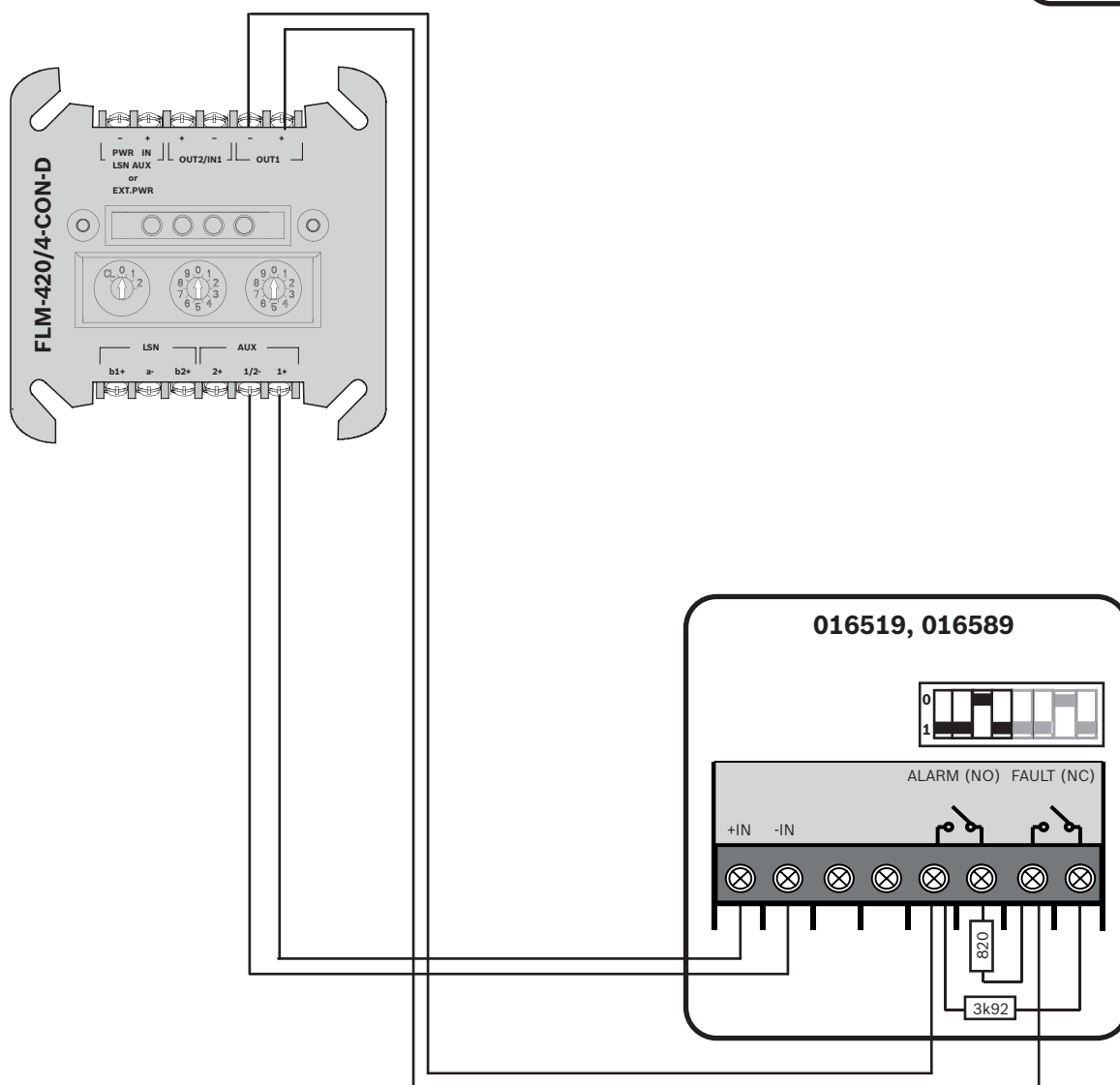
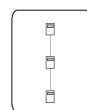


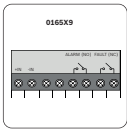
016519, 016589
IR3 Flame Detector



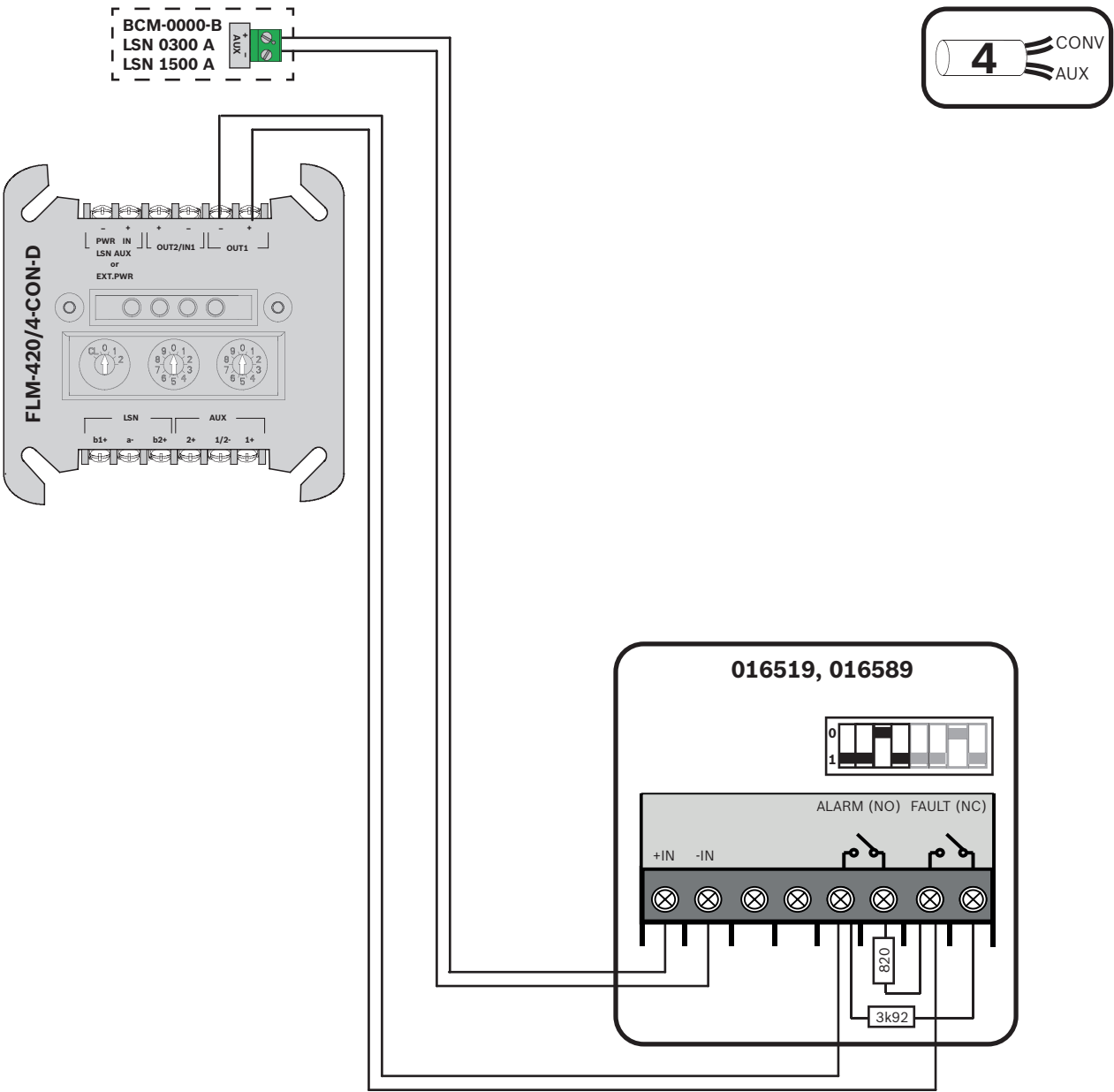
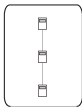
max. 1 x 0165X9



**016519, 016589**
IR3 Flame Detector

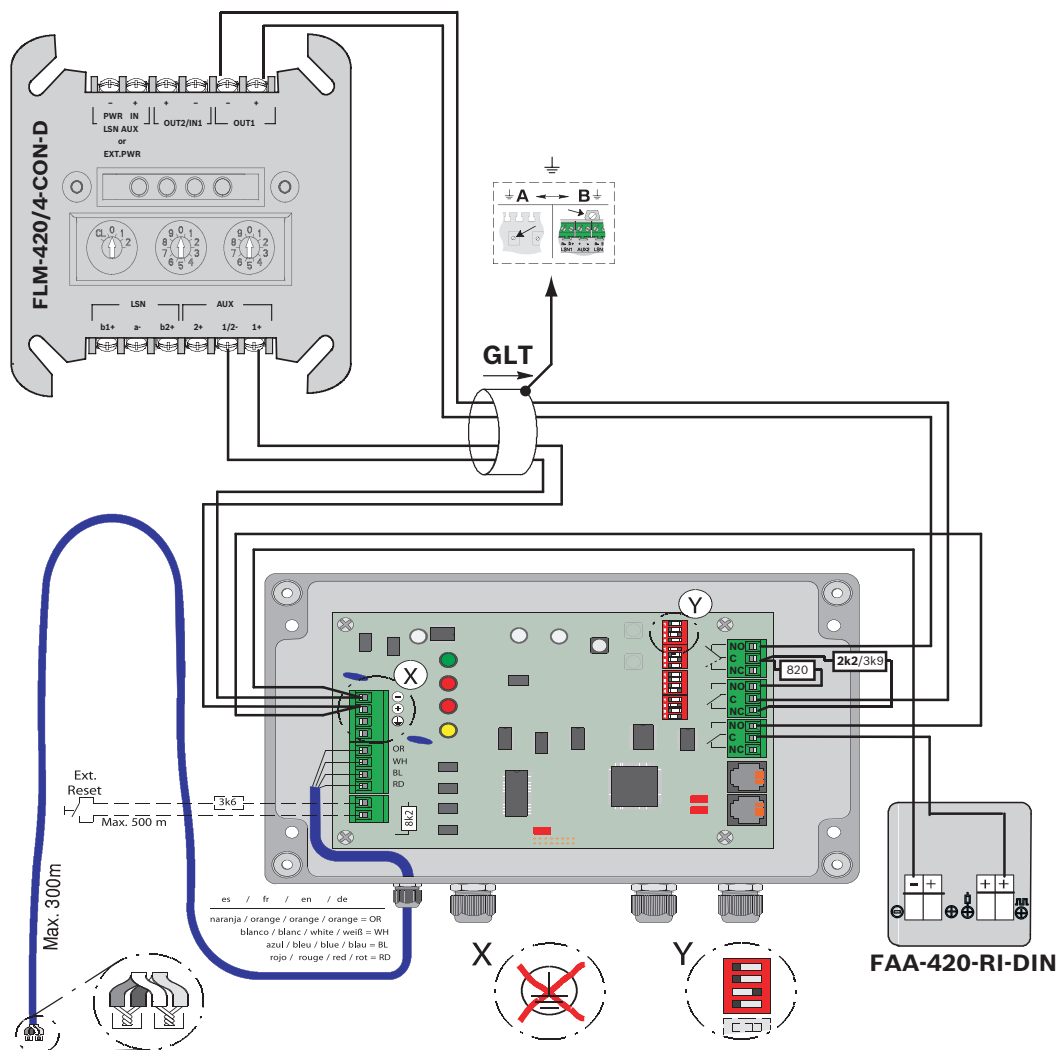
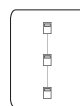


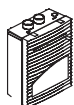
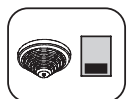
016519, 016589
IR3 Flame Detector





FCS-LWM-1

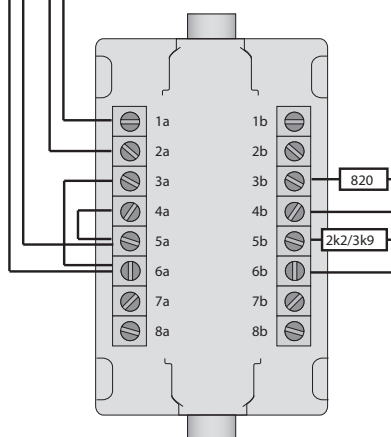
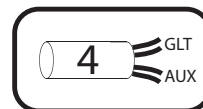
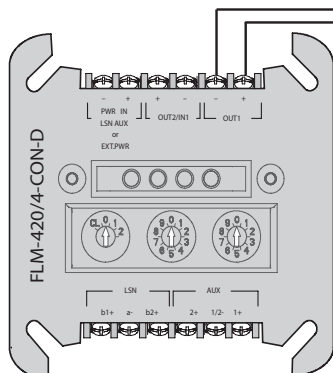


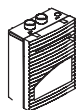


FCS-320-TM Series

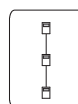


BCM-0000-B
LSN 0300 A
LSN 1500 A

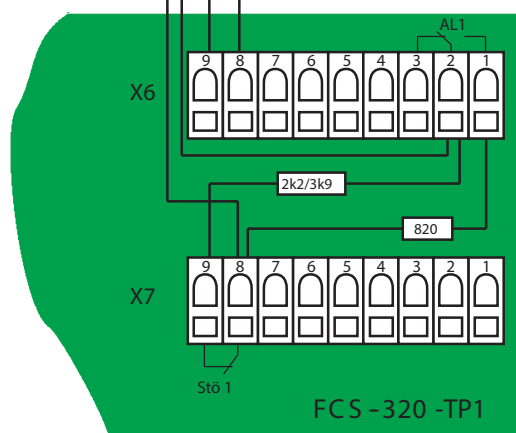
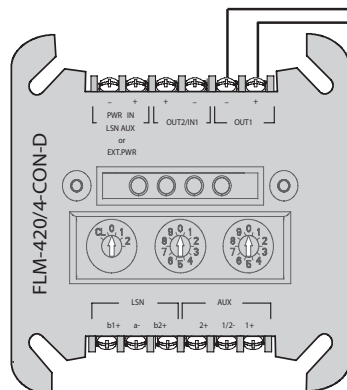
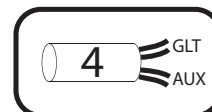


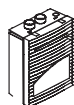


FCS-320-TP Series

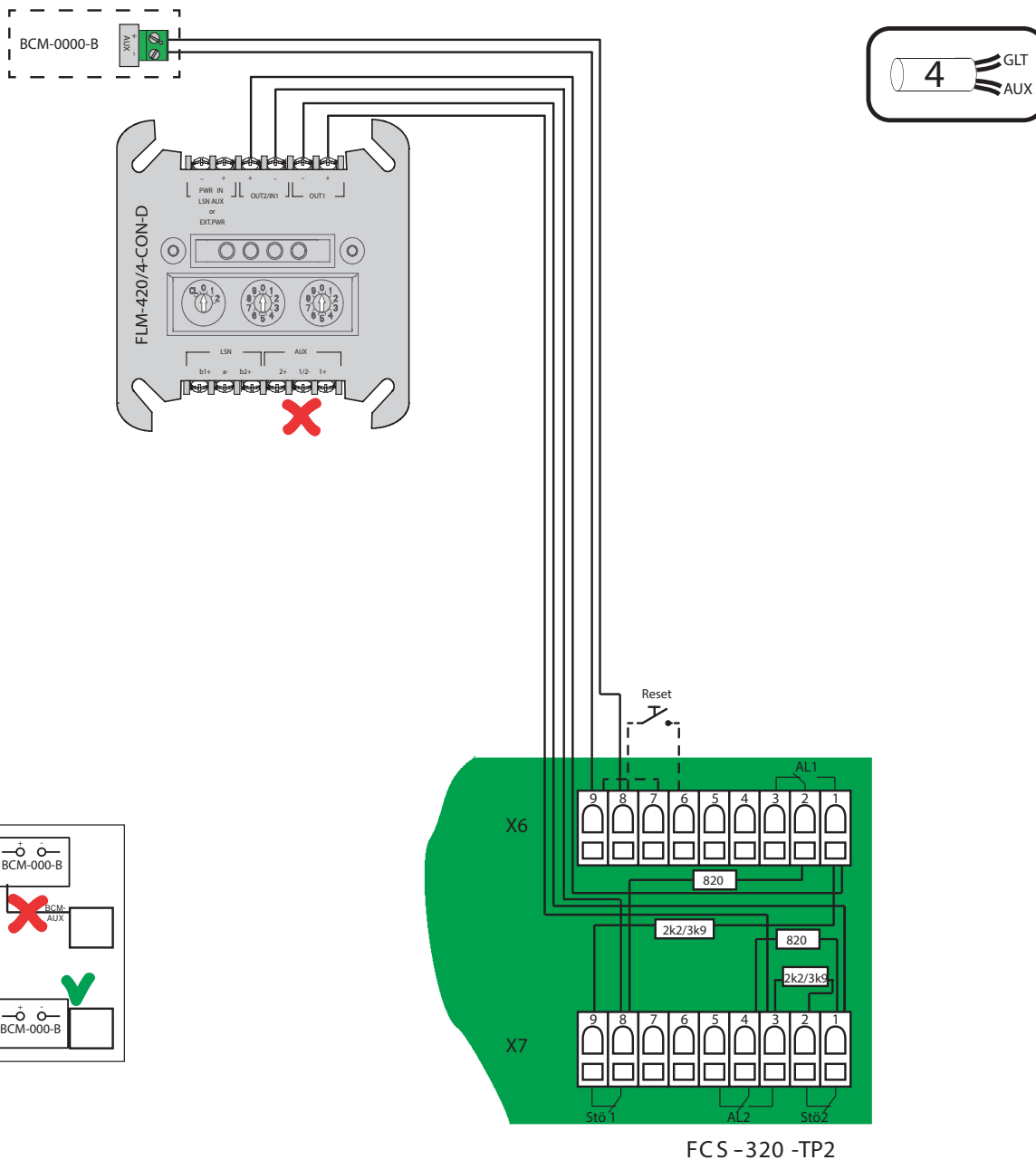


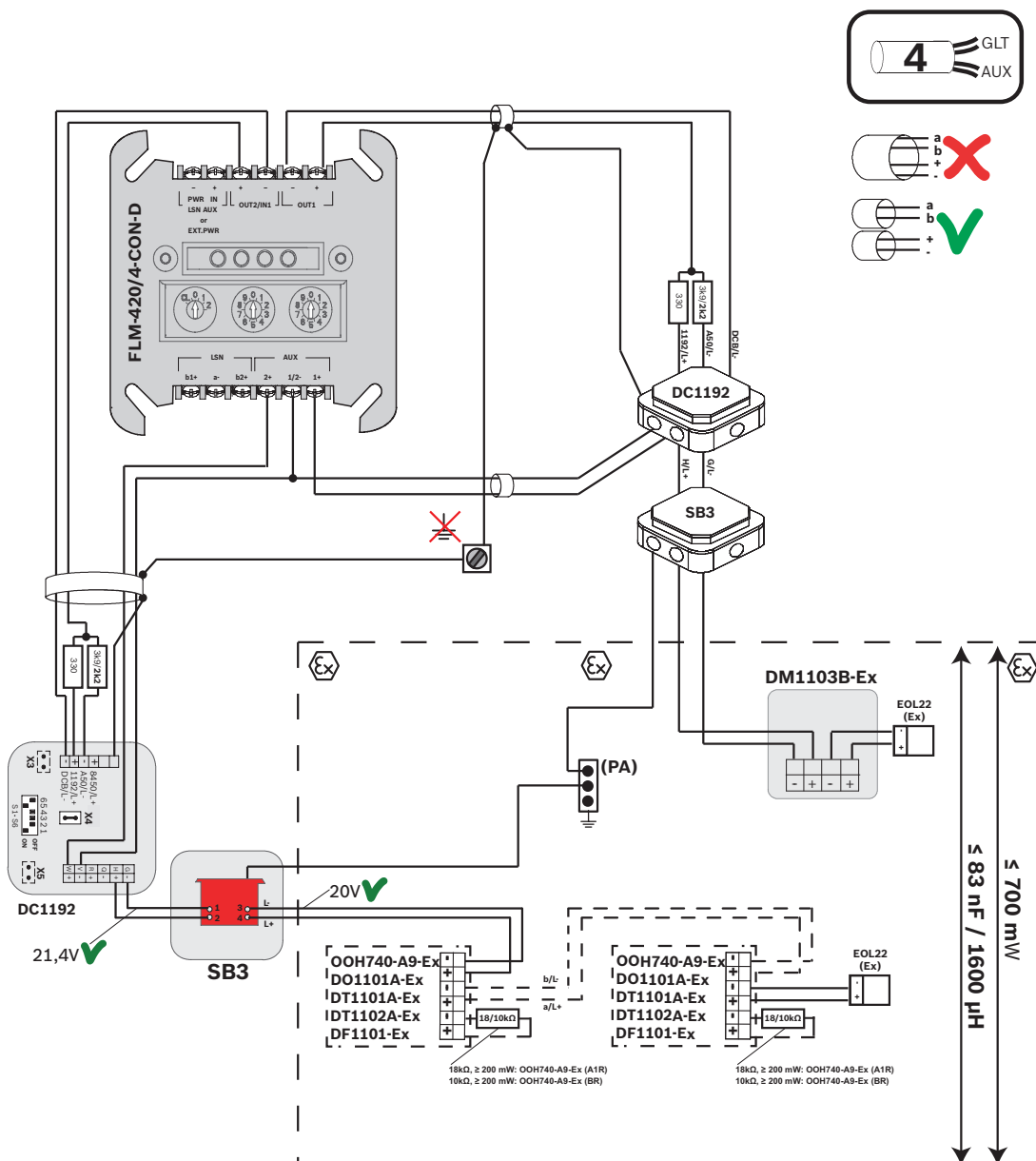
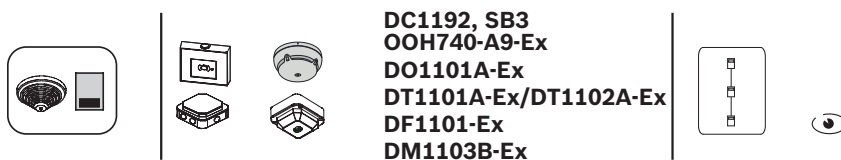
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LSN 0300 A
LSN 1500 A





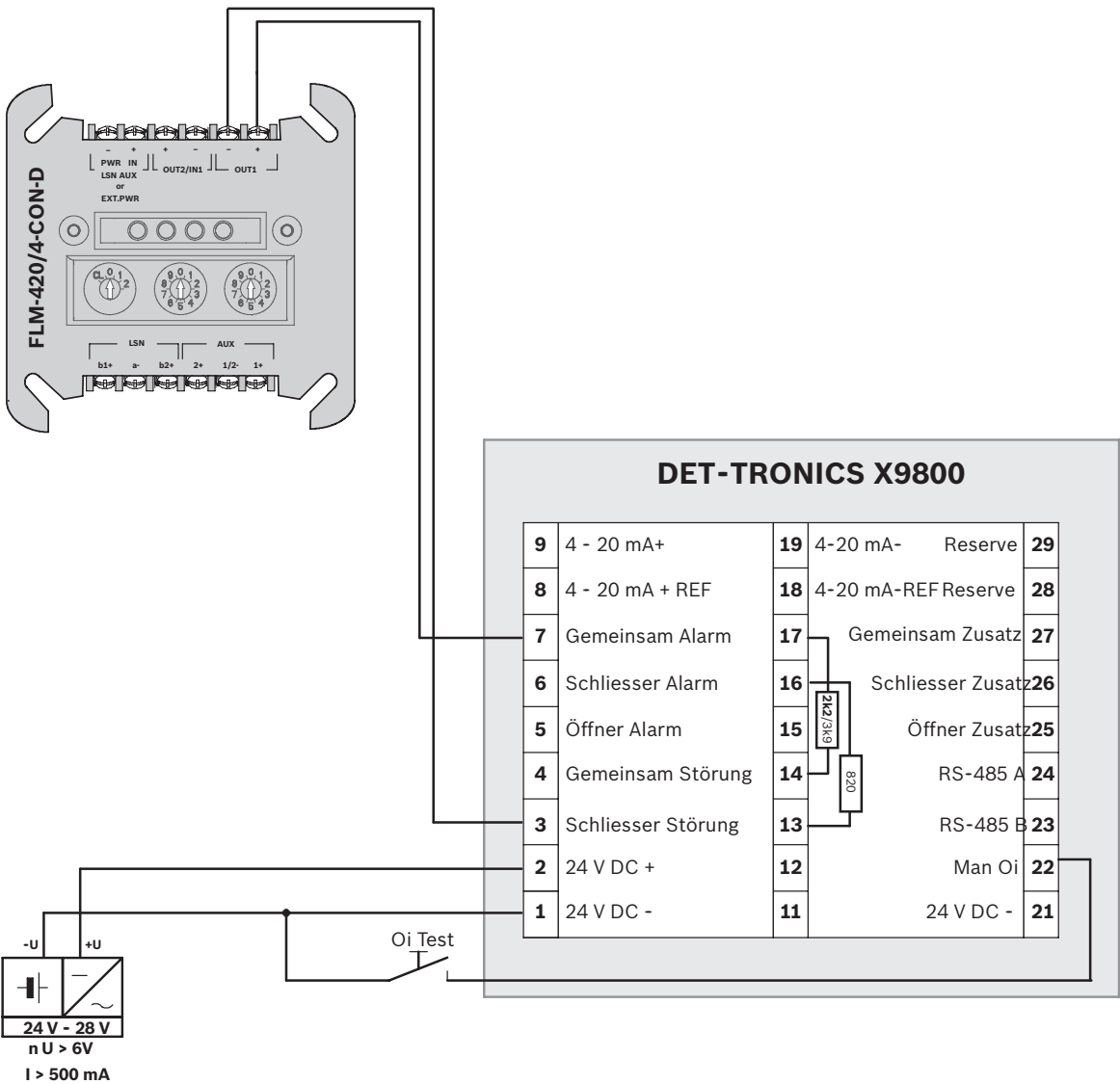
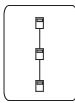
FCS-320-TP Series





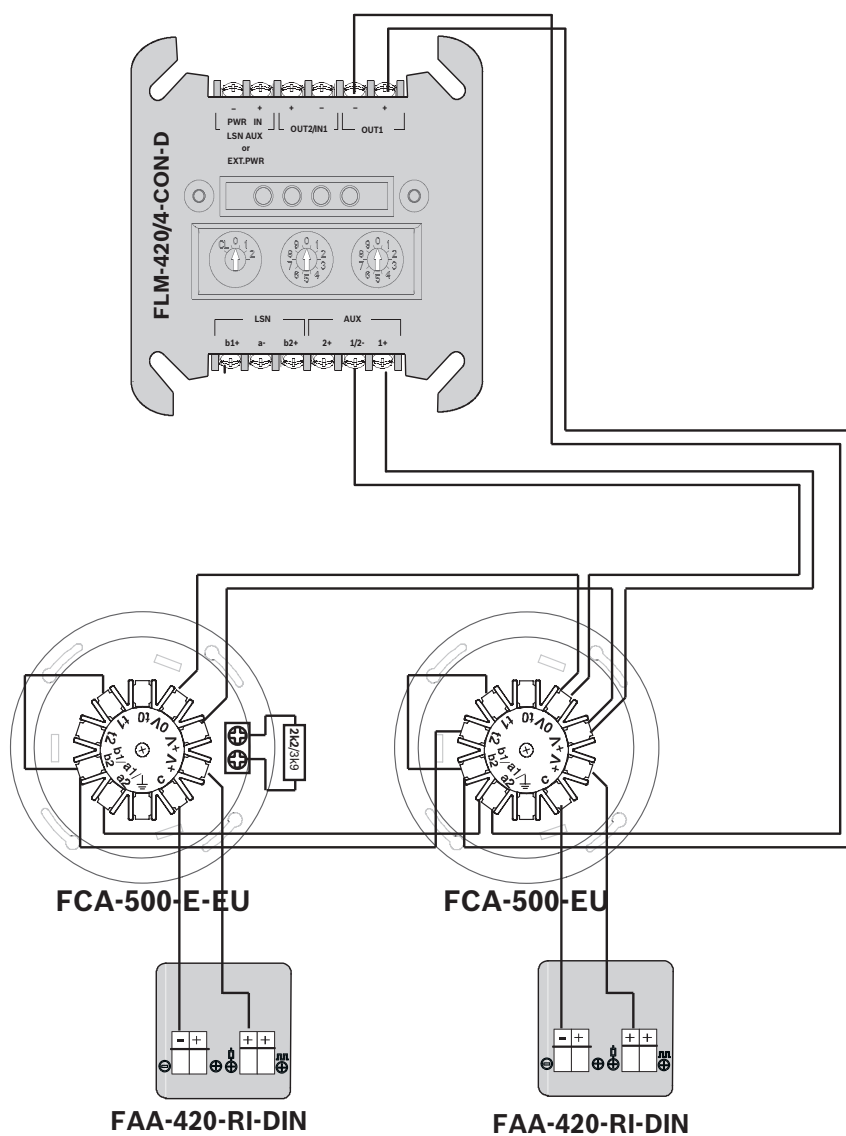


DET-TRONICS X9800



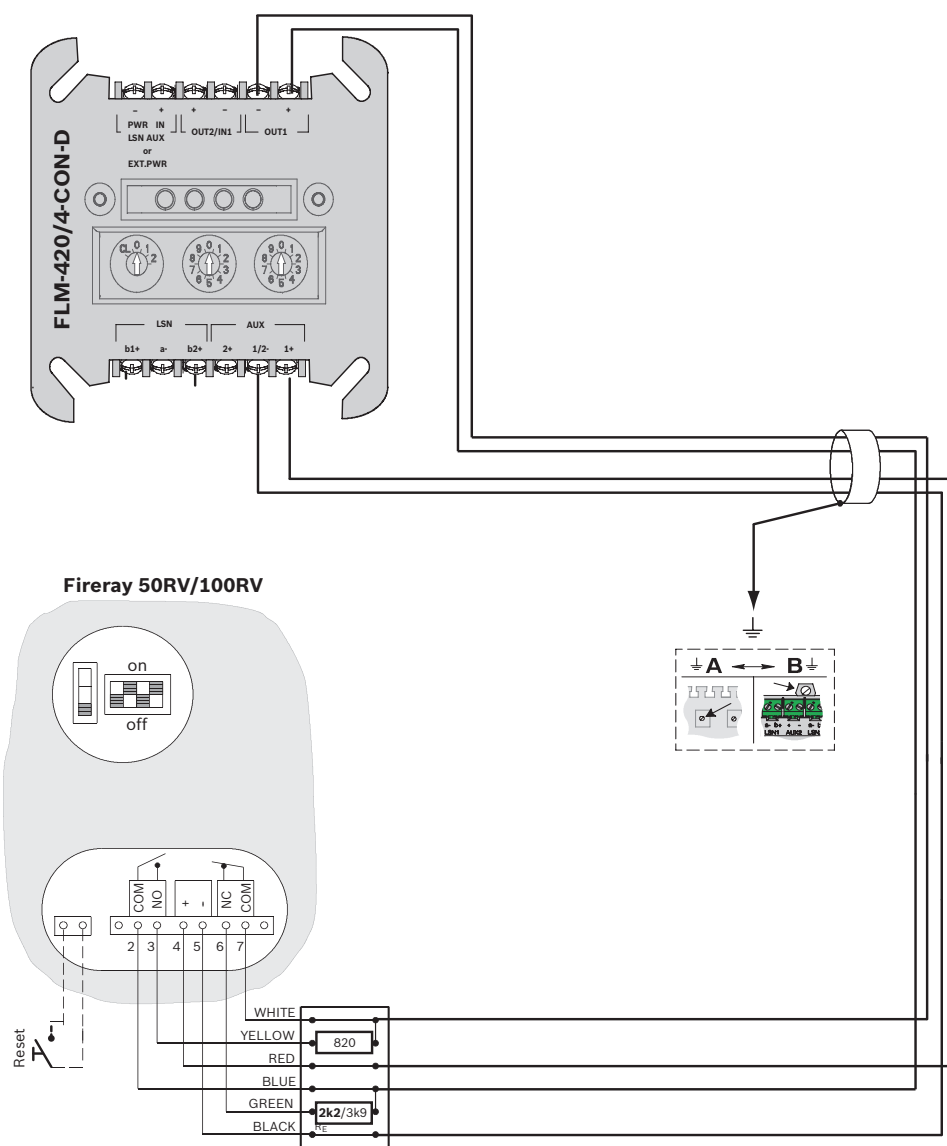


FCP-500





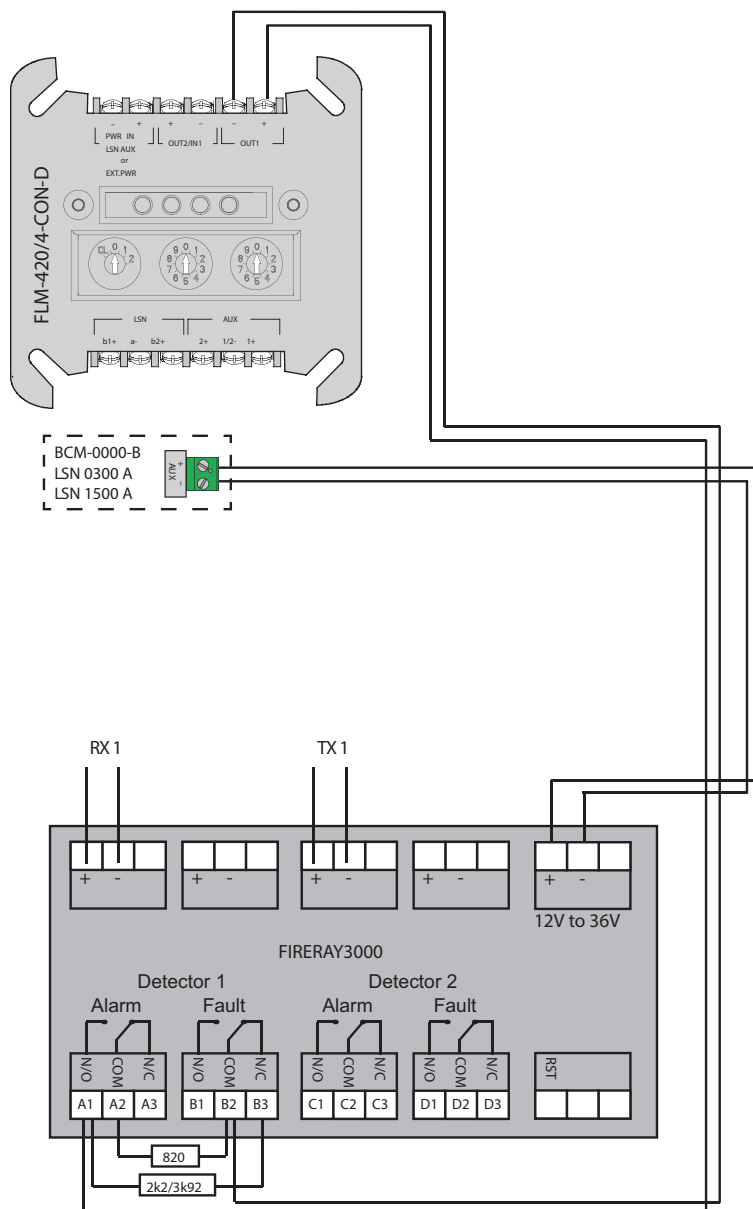
Fireray 50RV
Fireray 100RV





FIRERAY3000

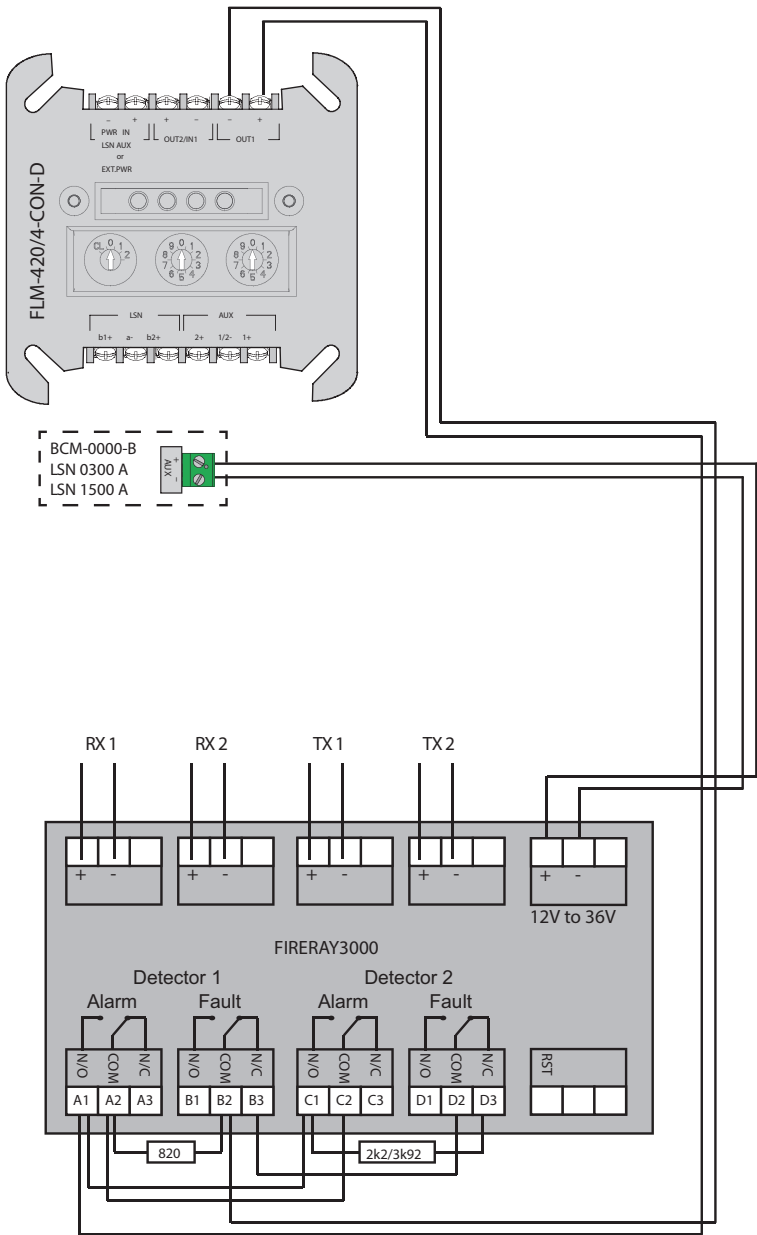
1 x





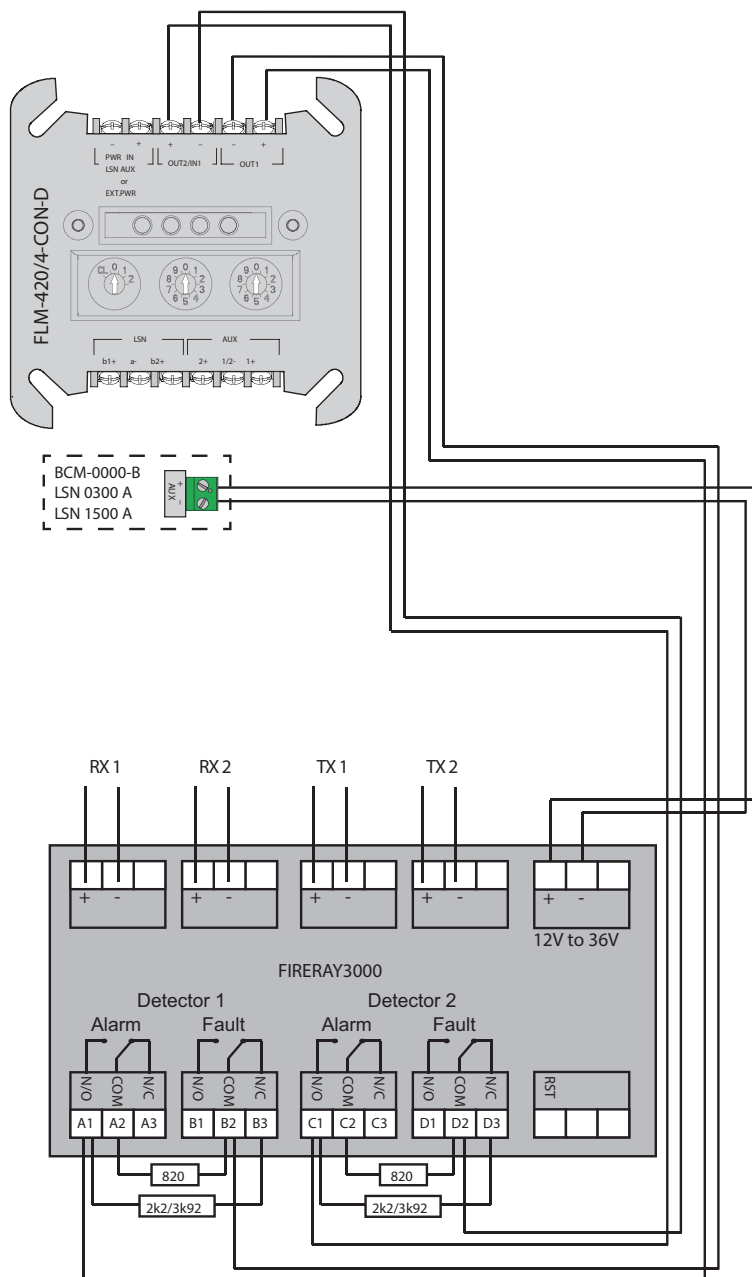
FIRERAY3000

2 x  1





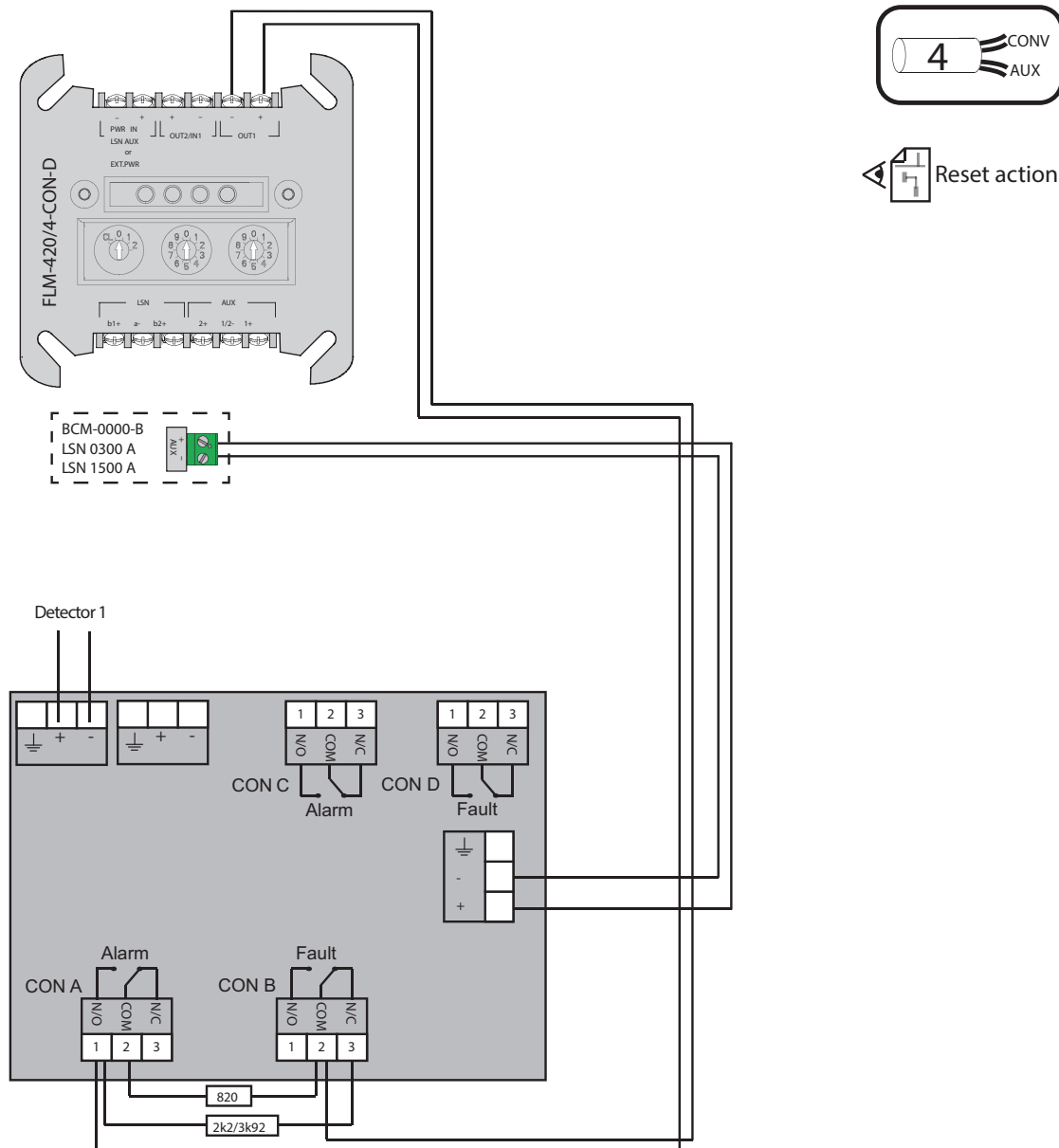
FIRERAY3000
2 x 1+2





FIRERAY5000

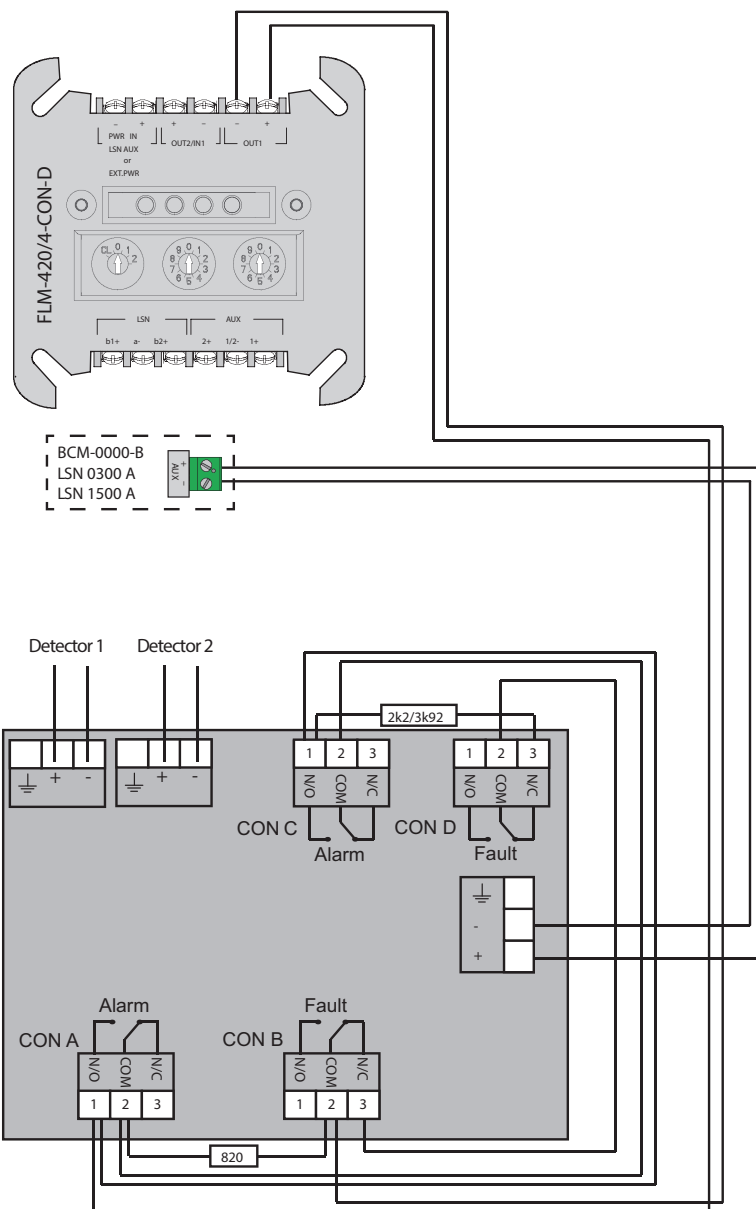
1 x





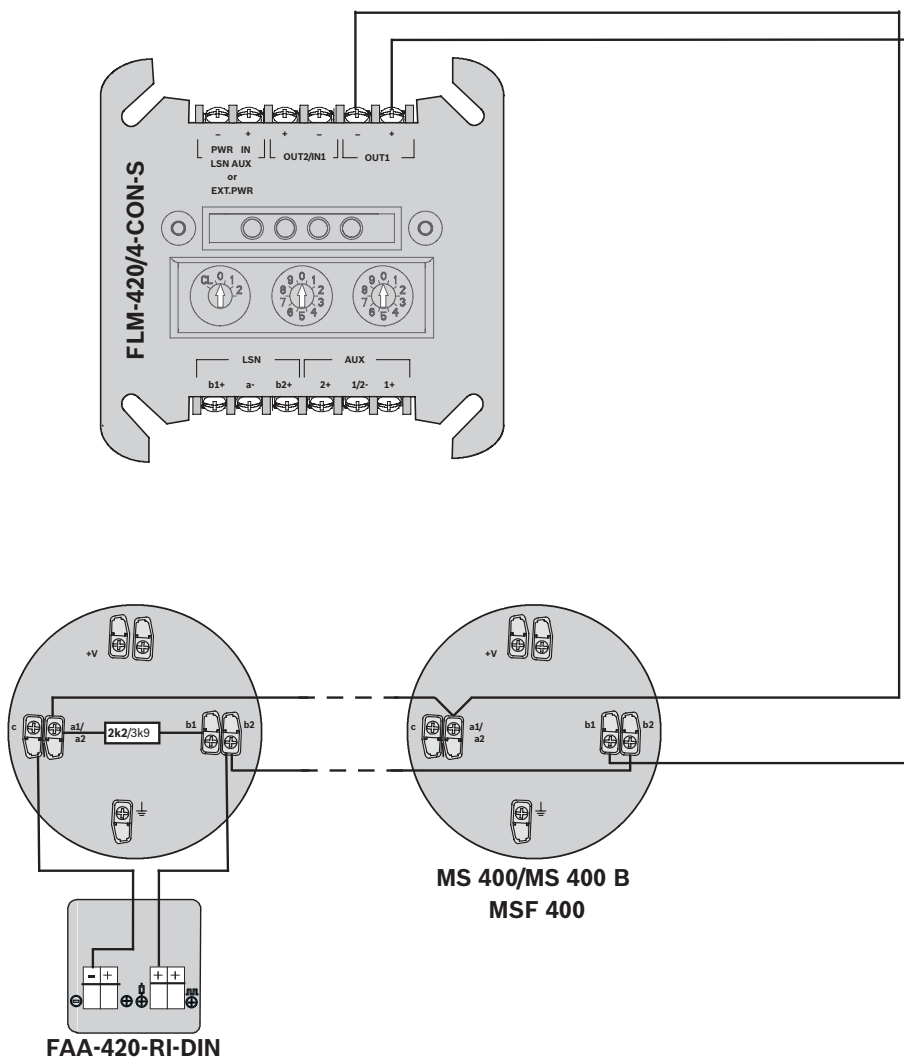
FIRERAY5000

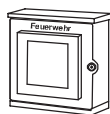
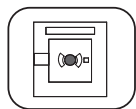
2 x OUT1



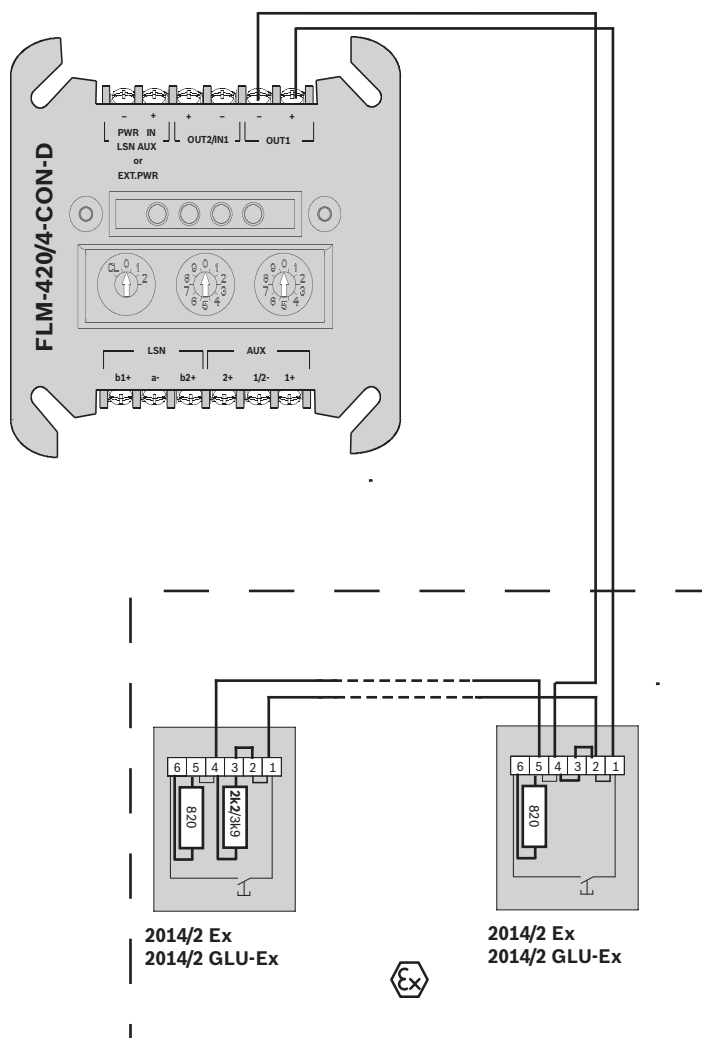
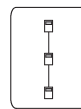


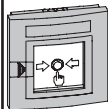
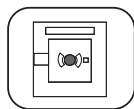
FAP-425-O/-O-R/-OT/-OT-R/-T-R
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 FCH-320-T320/-T320-R470/-T320-FSA
 FCP-O320/-O320-R470
 FCP-OC320/-OC320-R470
 FCP-OT320/-OT320-R470



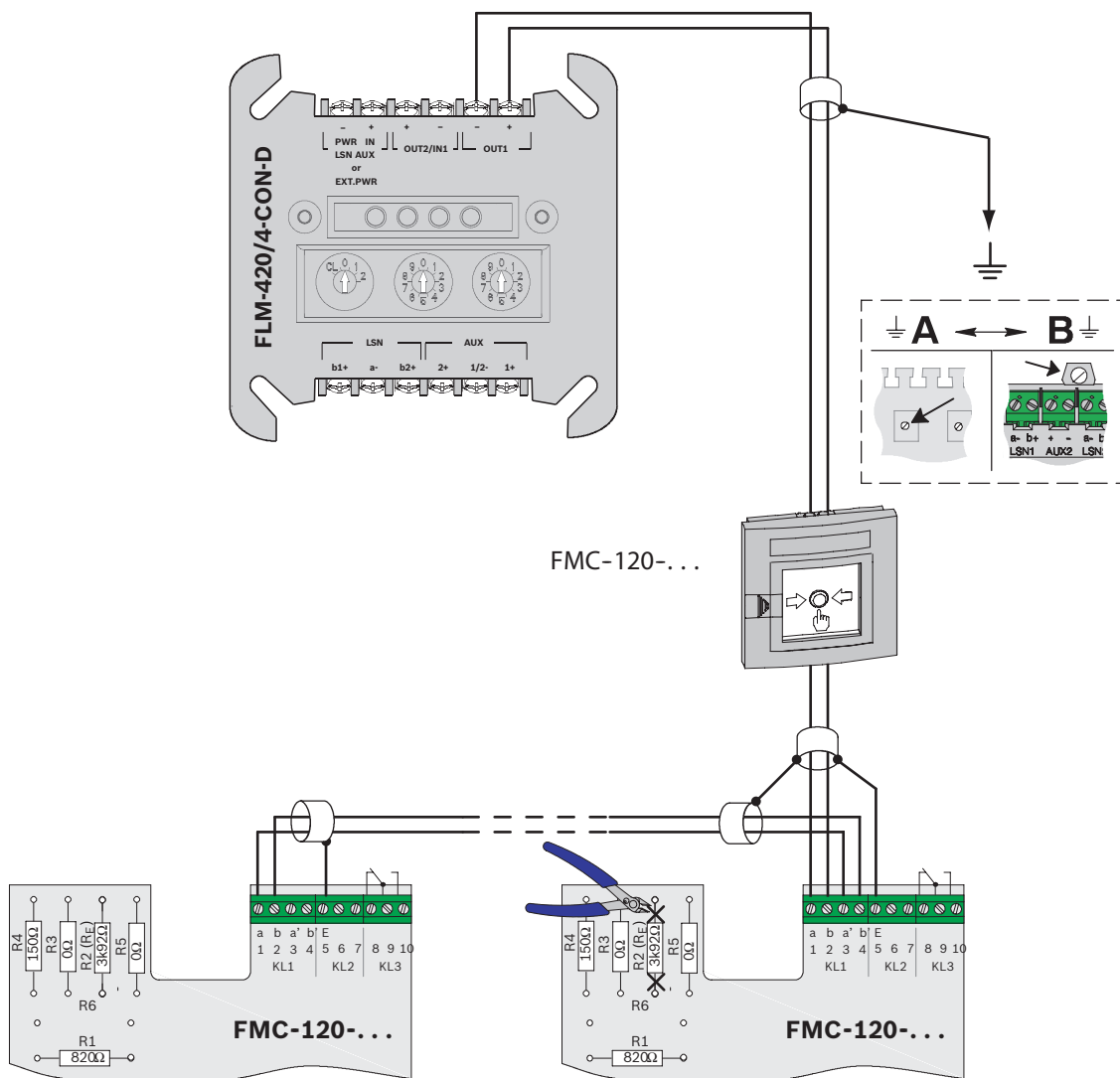
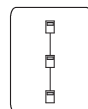


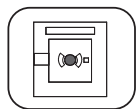
2014/2 Ex
2014/2 GLU-Ex



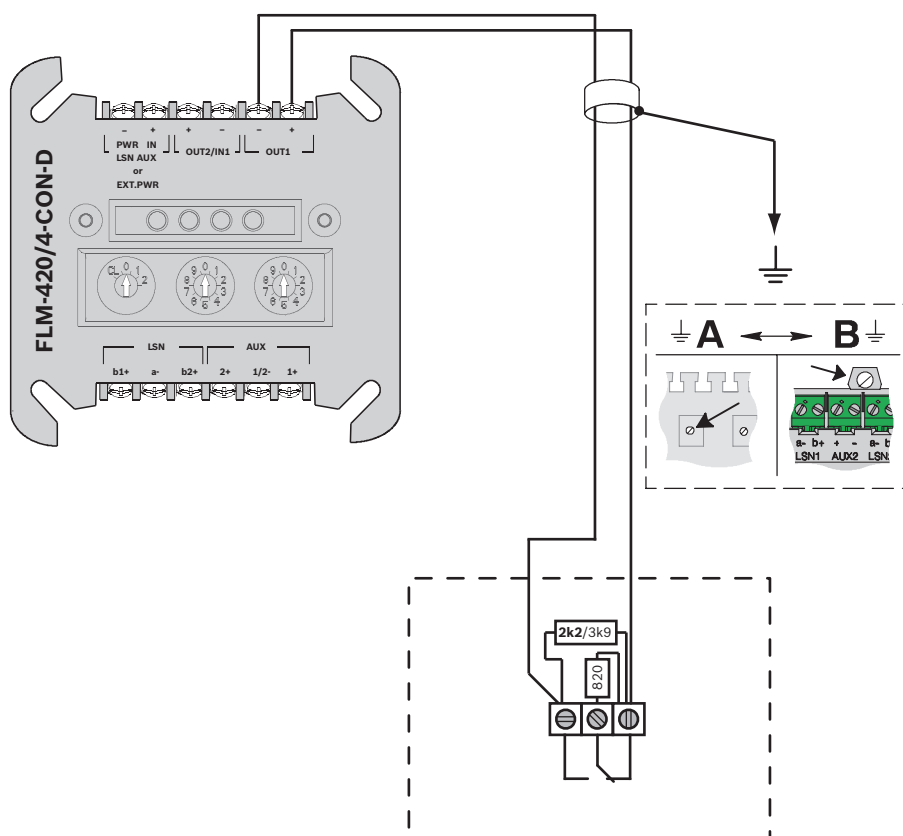
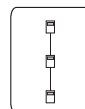


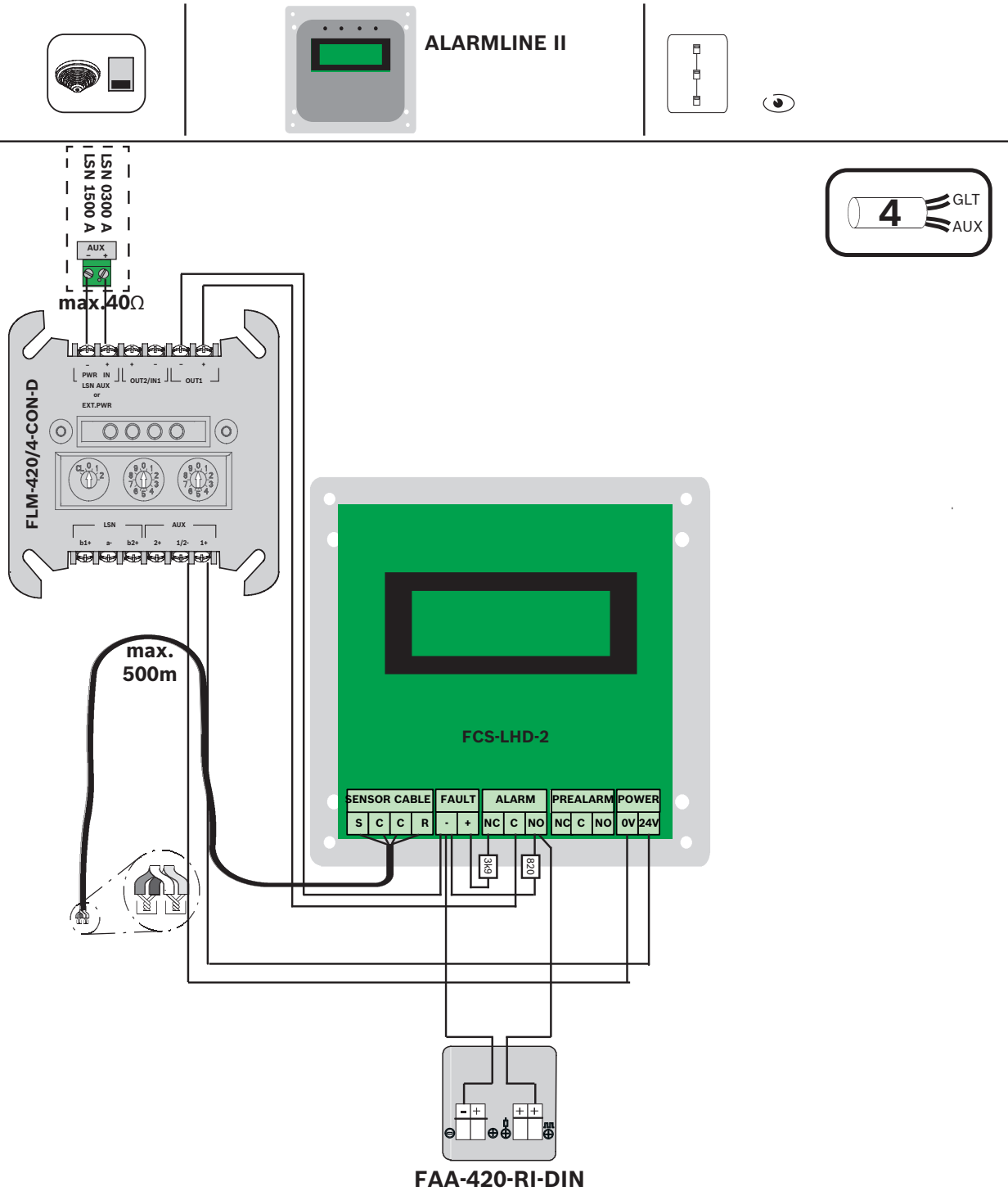
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FMC-120-DKM-G-B
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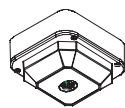




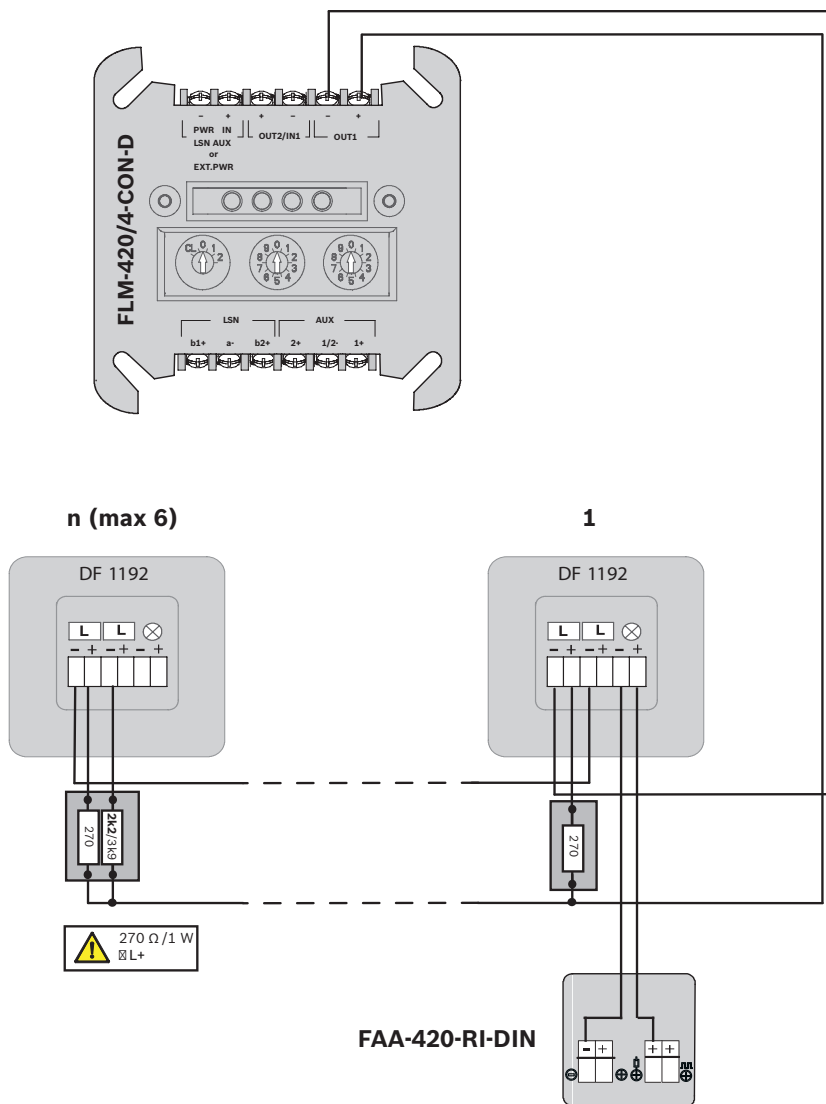
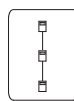
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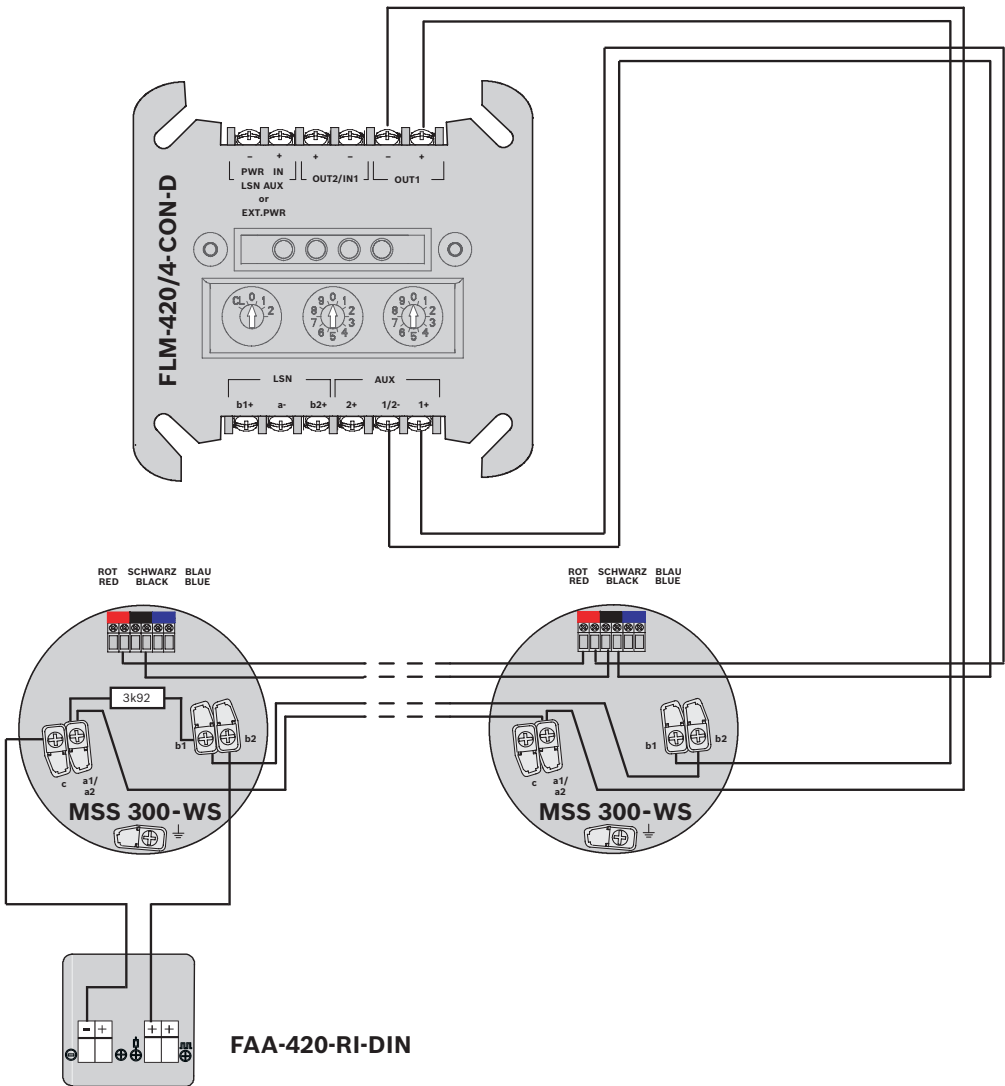


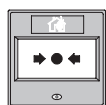
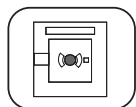
DF 1192



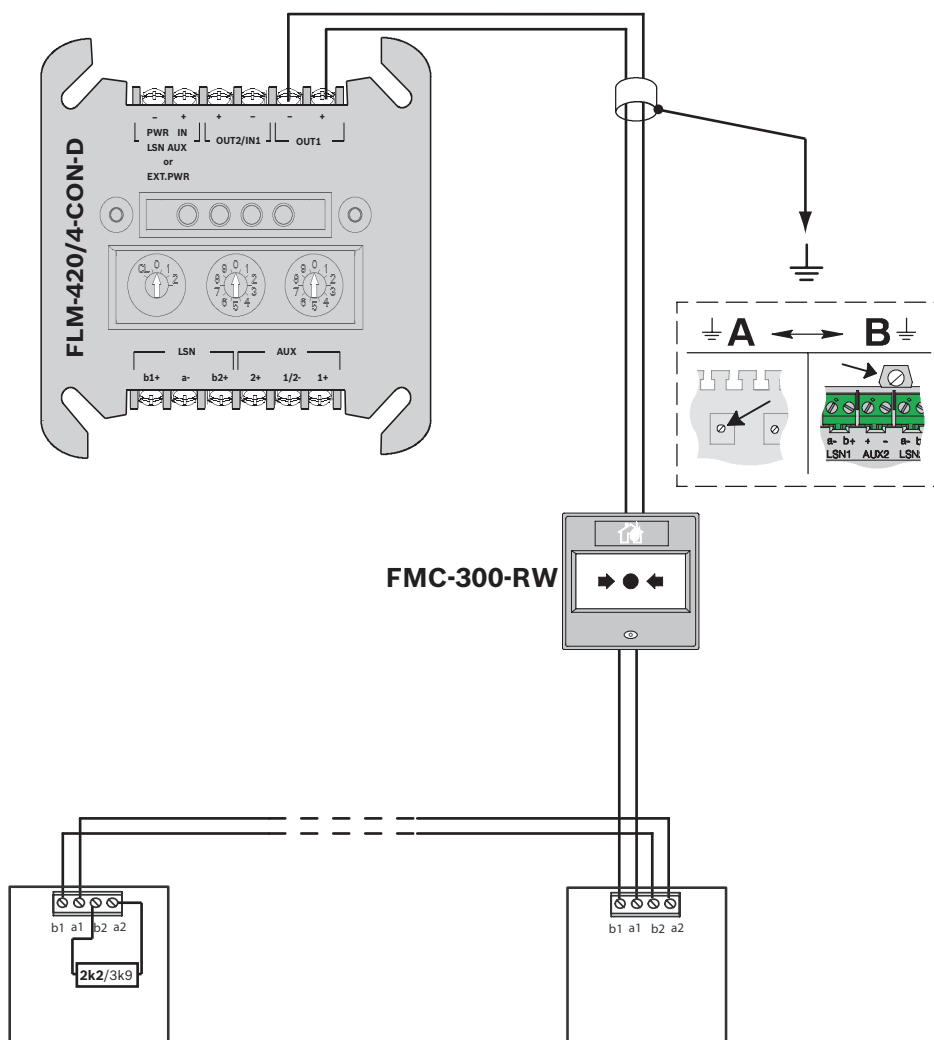
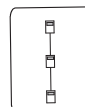


MSS 300-WS



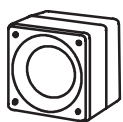


FMC-300-RW

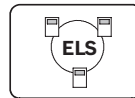


3.4.2

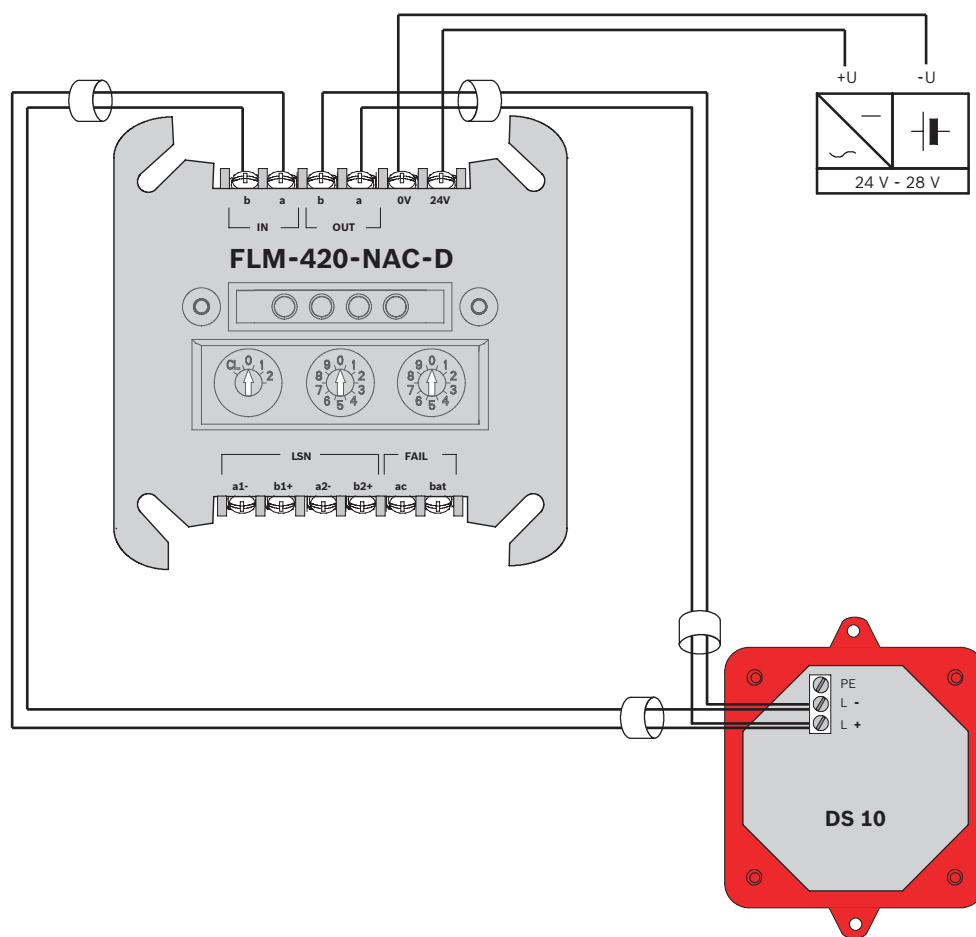
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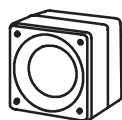
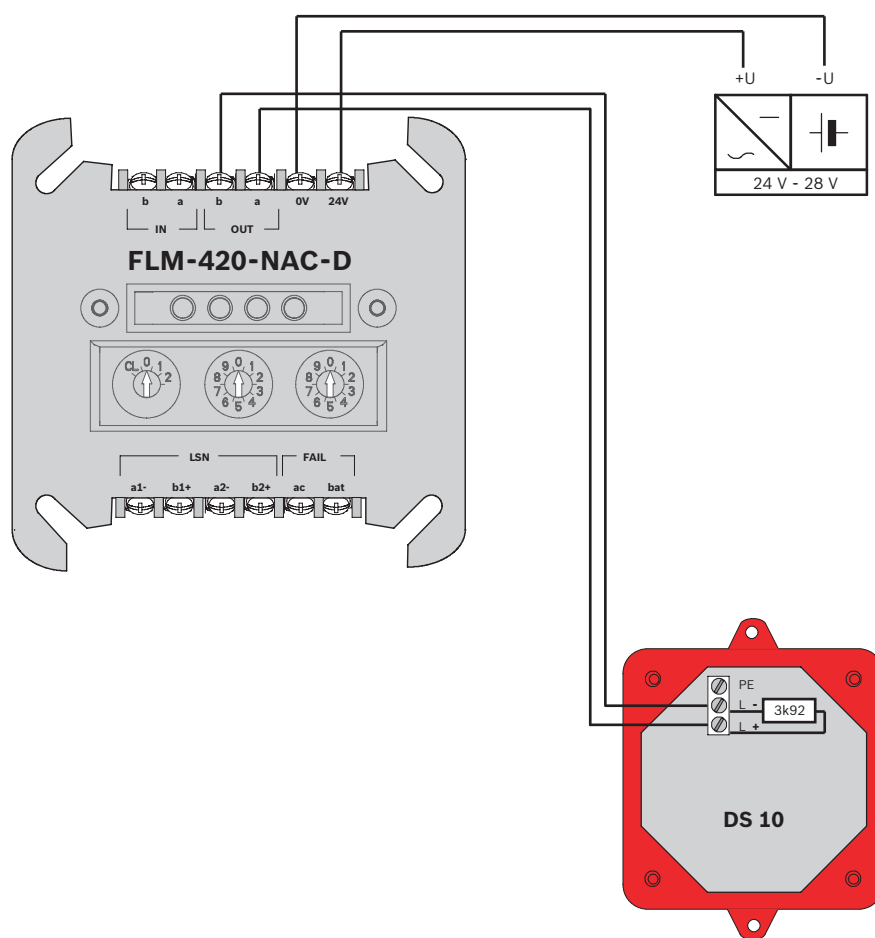
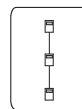


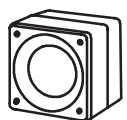
DS 10



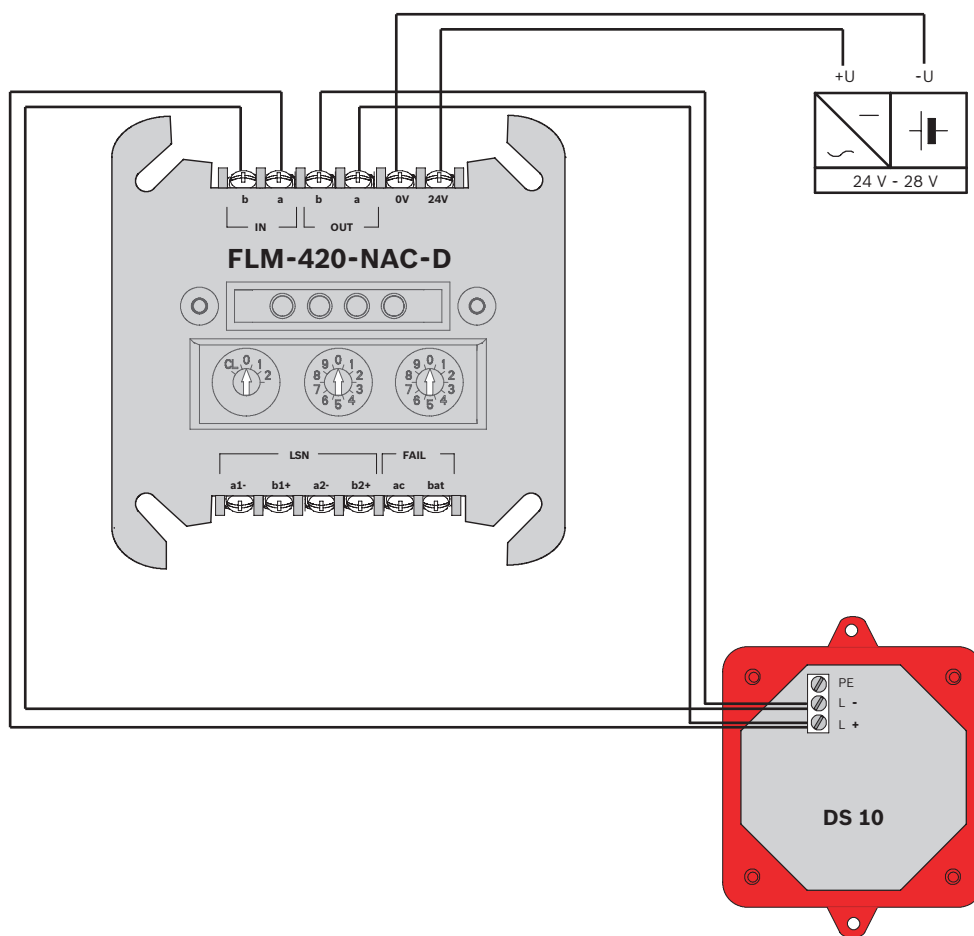
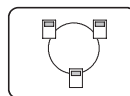
VdS 2489

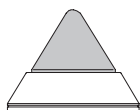
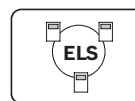
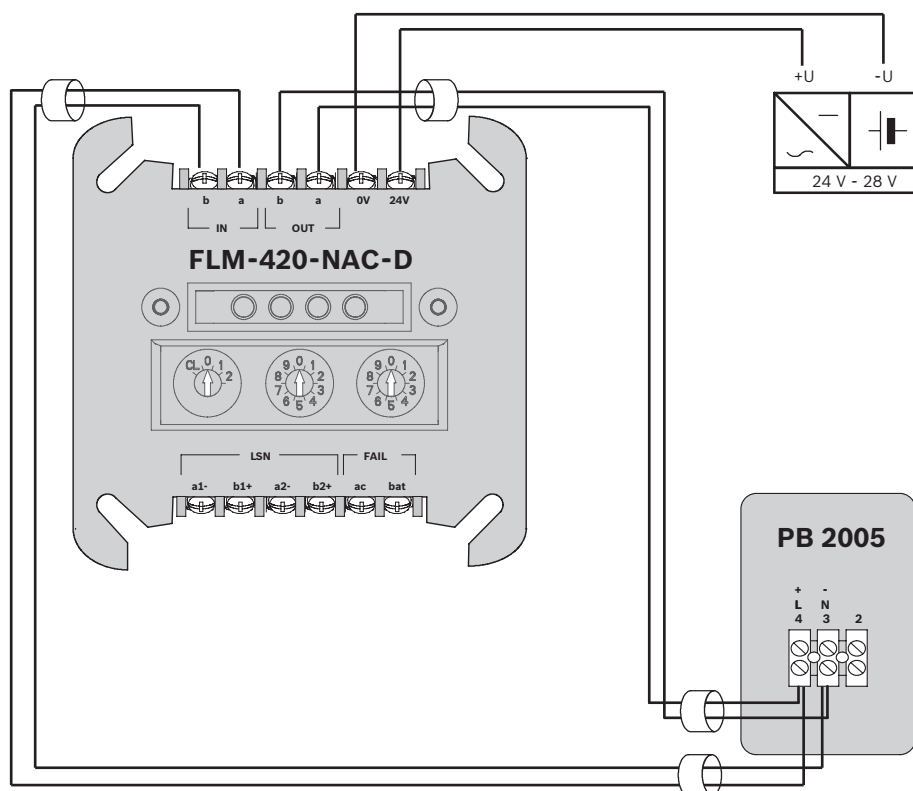


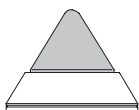
**DS 10**



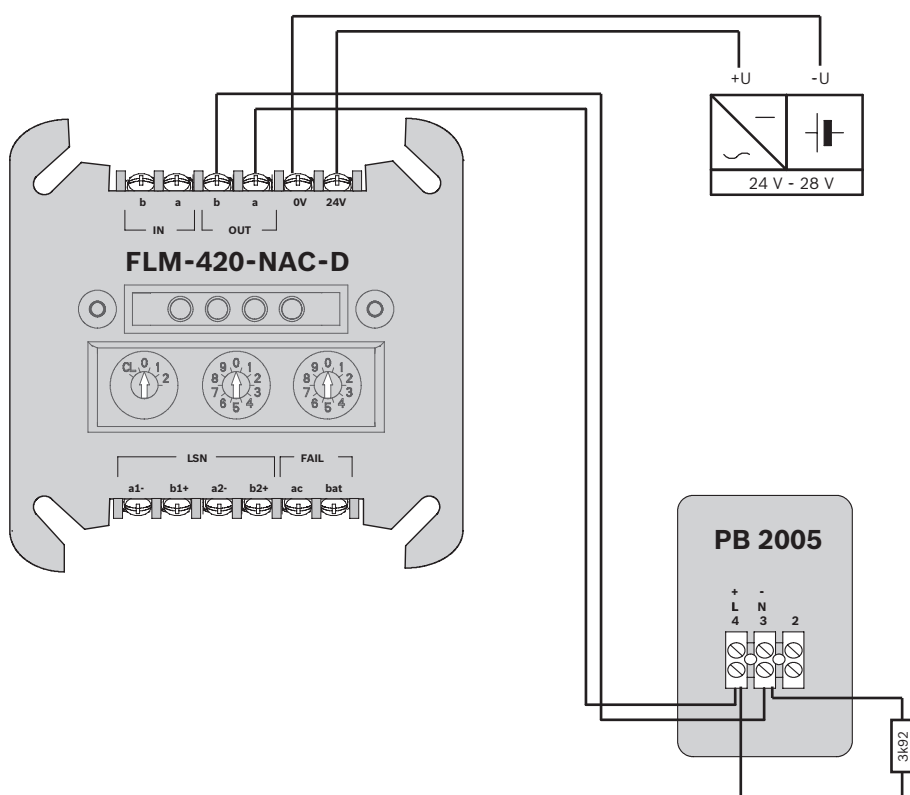
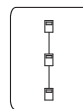
DS 10

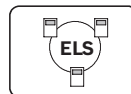
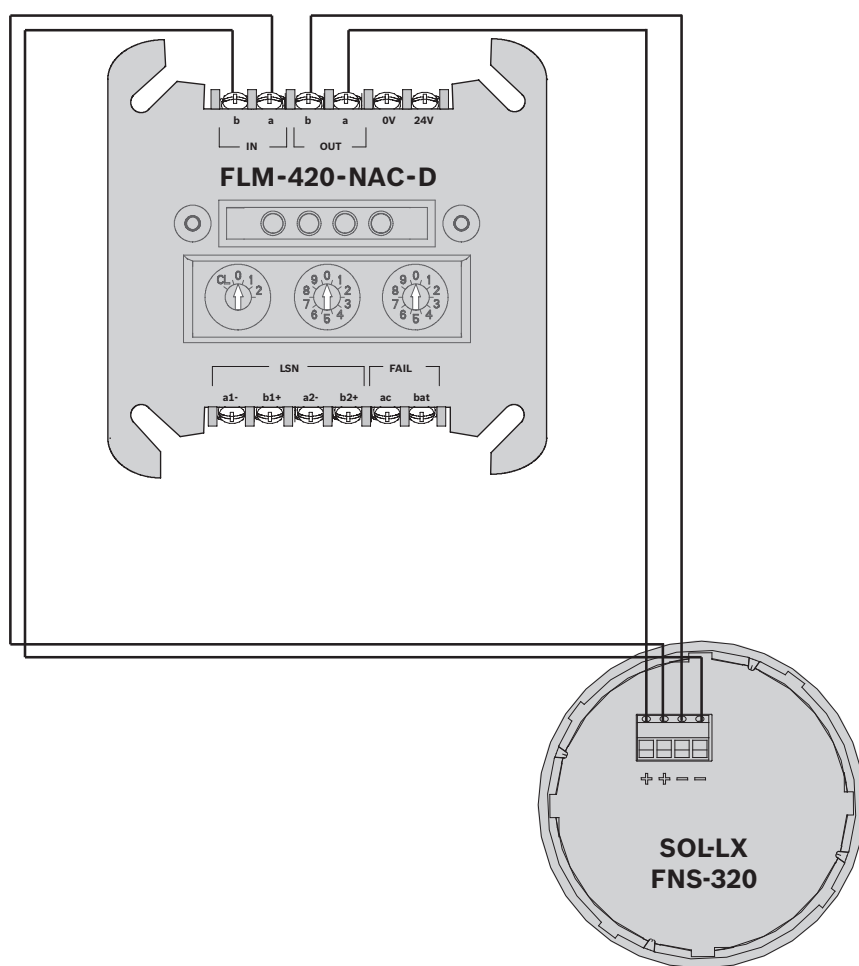


**PB 2005****VdS 2489**



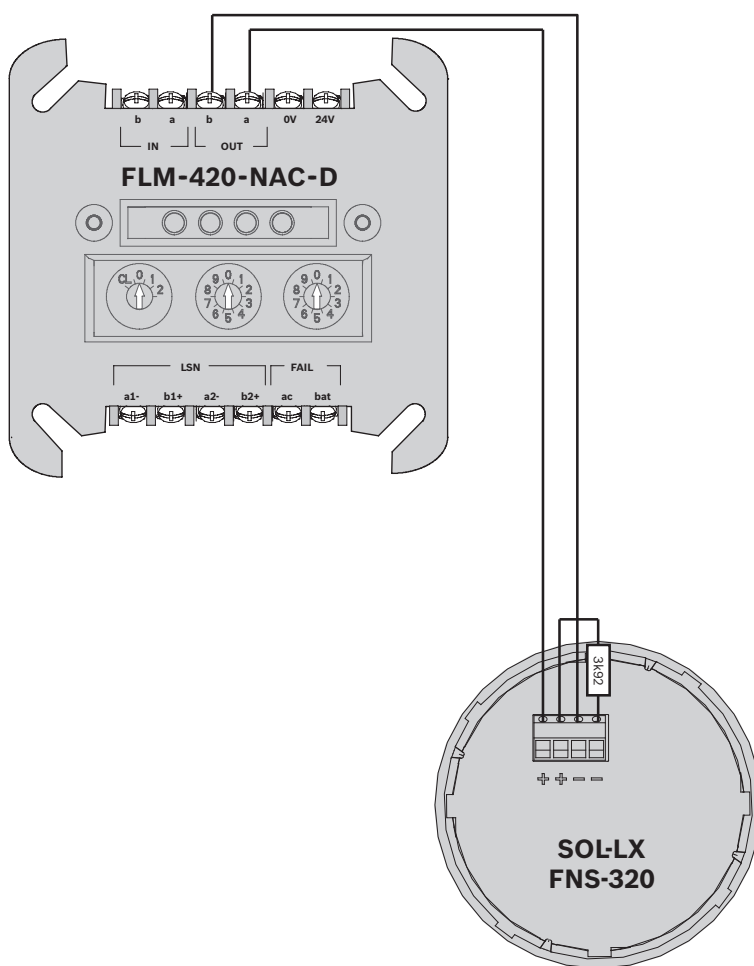
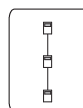
PB 2005



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

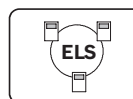


**SOL-LX
FNS-320**

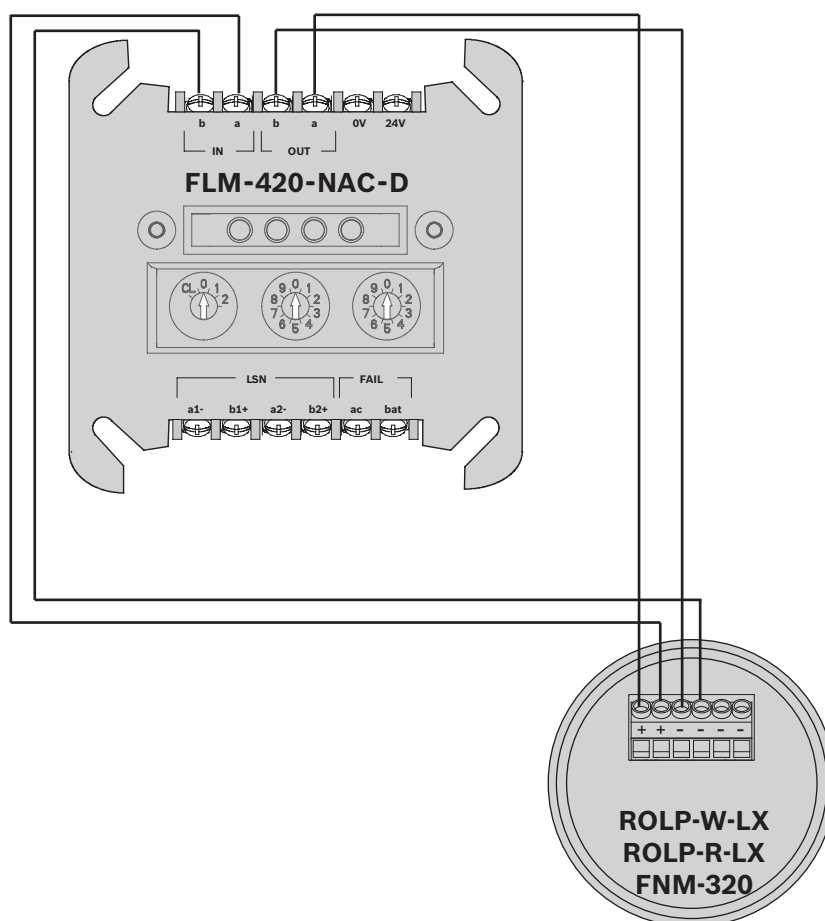


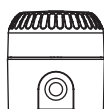


ROLP-W-LX
ROLP-R-LX
FNM-320

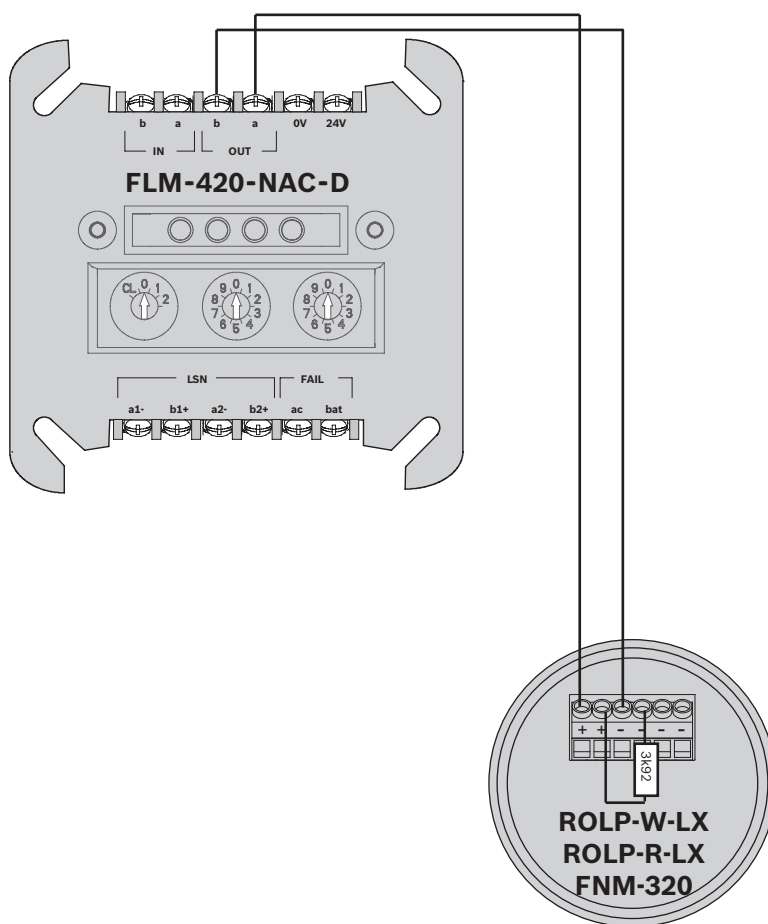
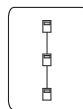


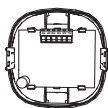
VdS 2489



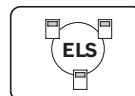


ROLP-W-LX
ROLP-R-LX
FNM-320

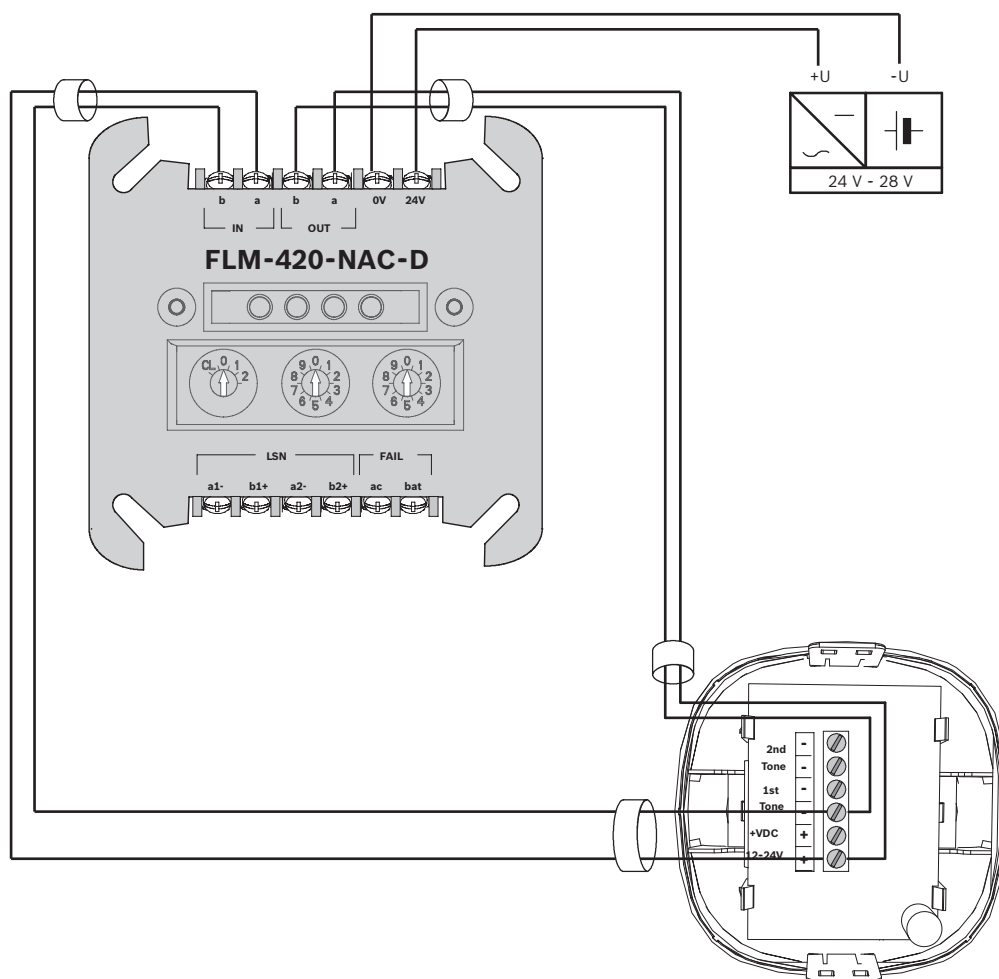


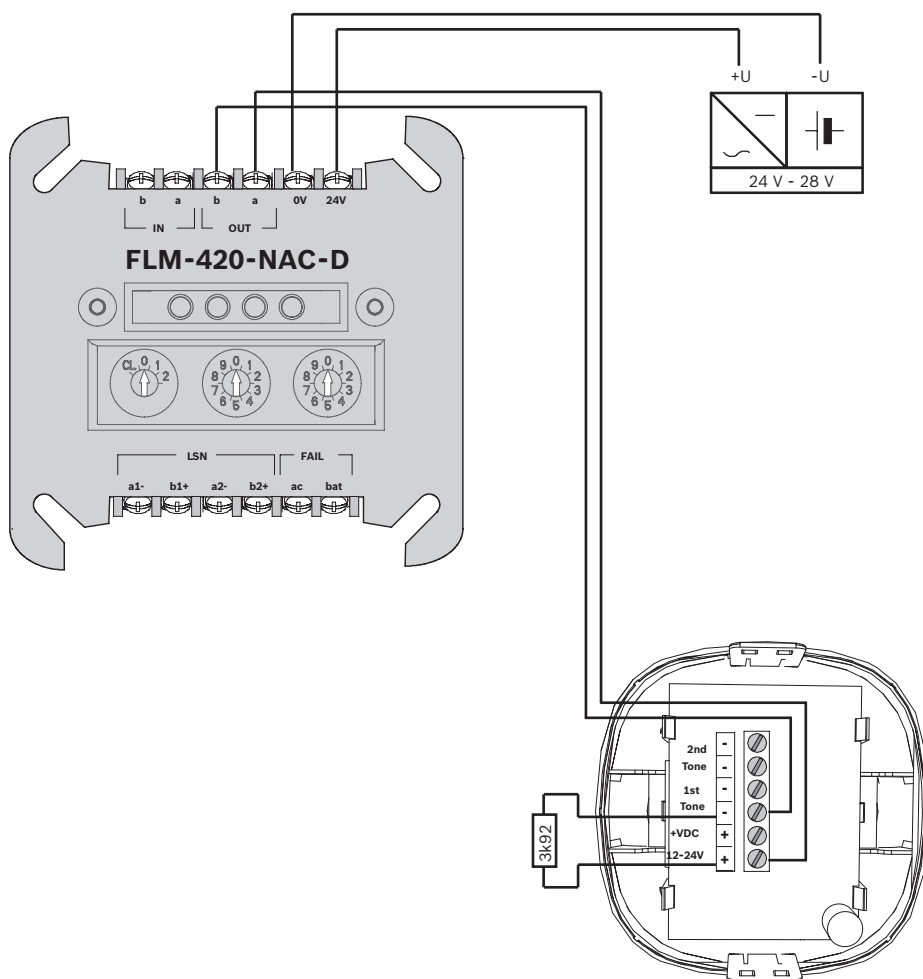
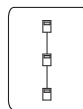
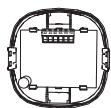


FNM-320V-A / -B



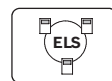
VdS 2489



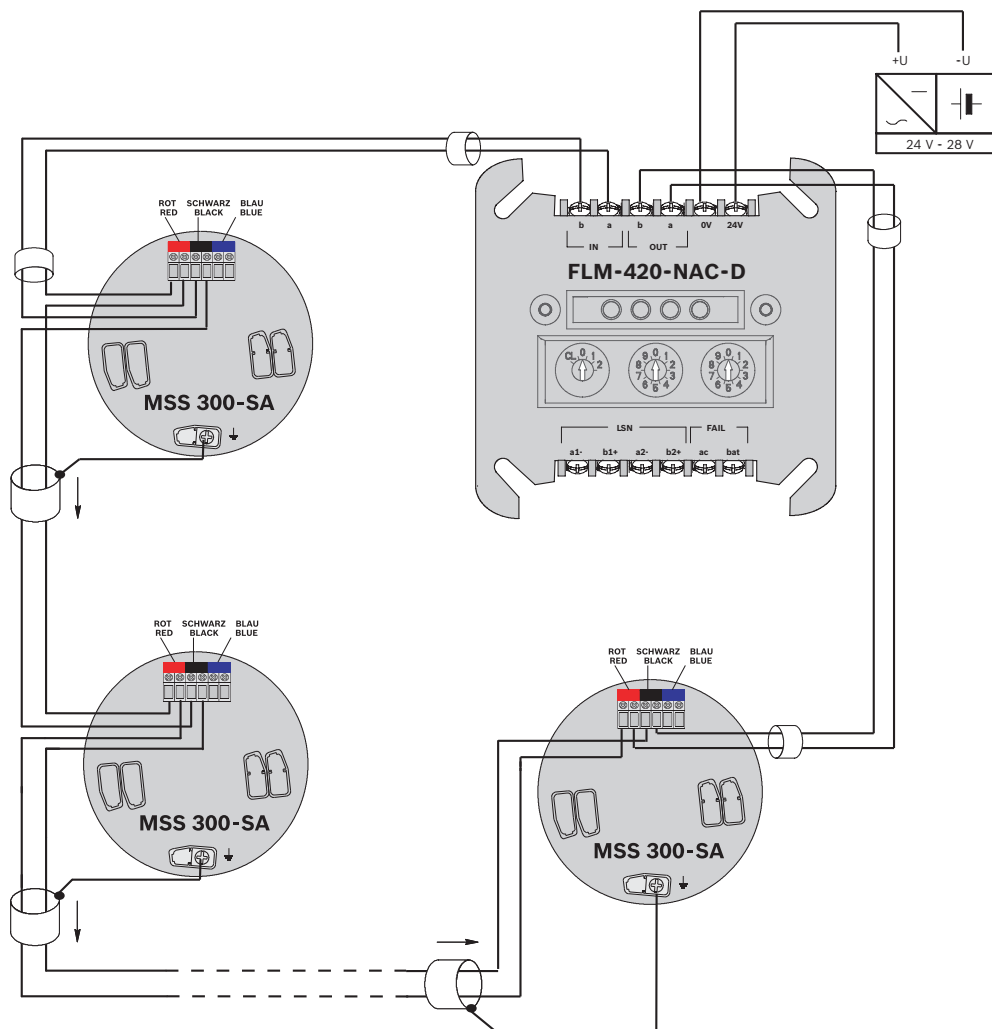


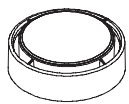


MSS 300-SA

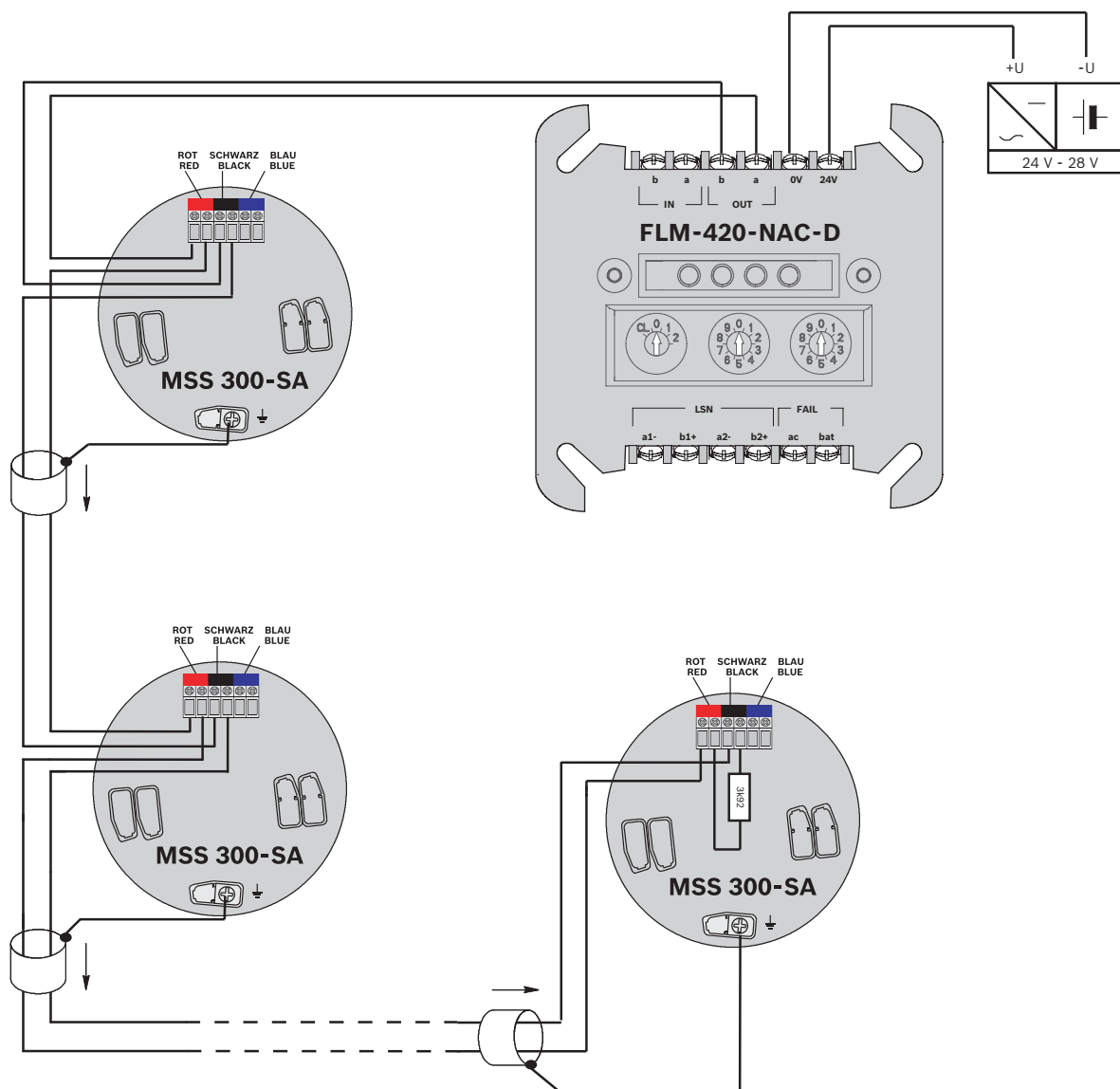
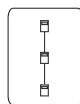


VdS 2489





MSS 300-SA

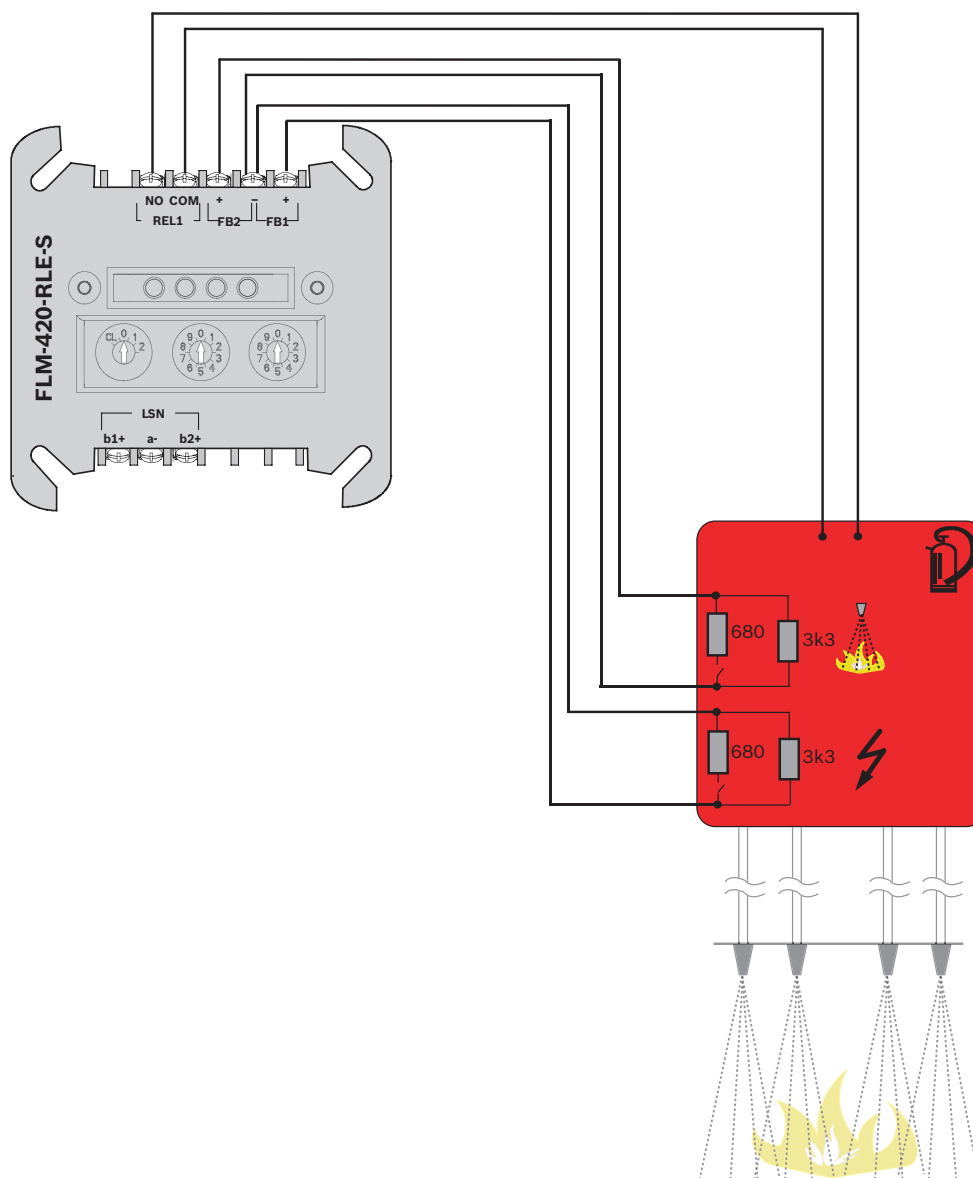


3.4.3

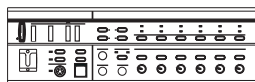
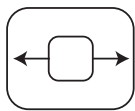
FLM-420-RLE-S



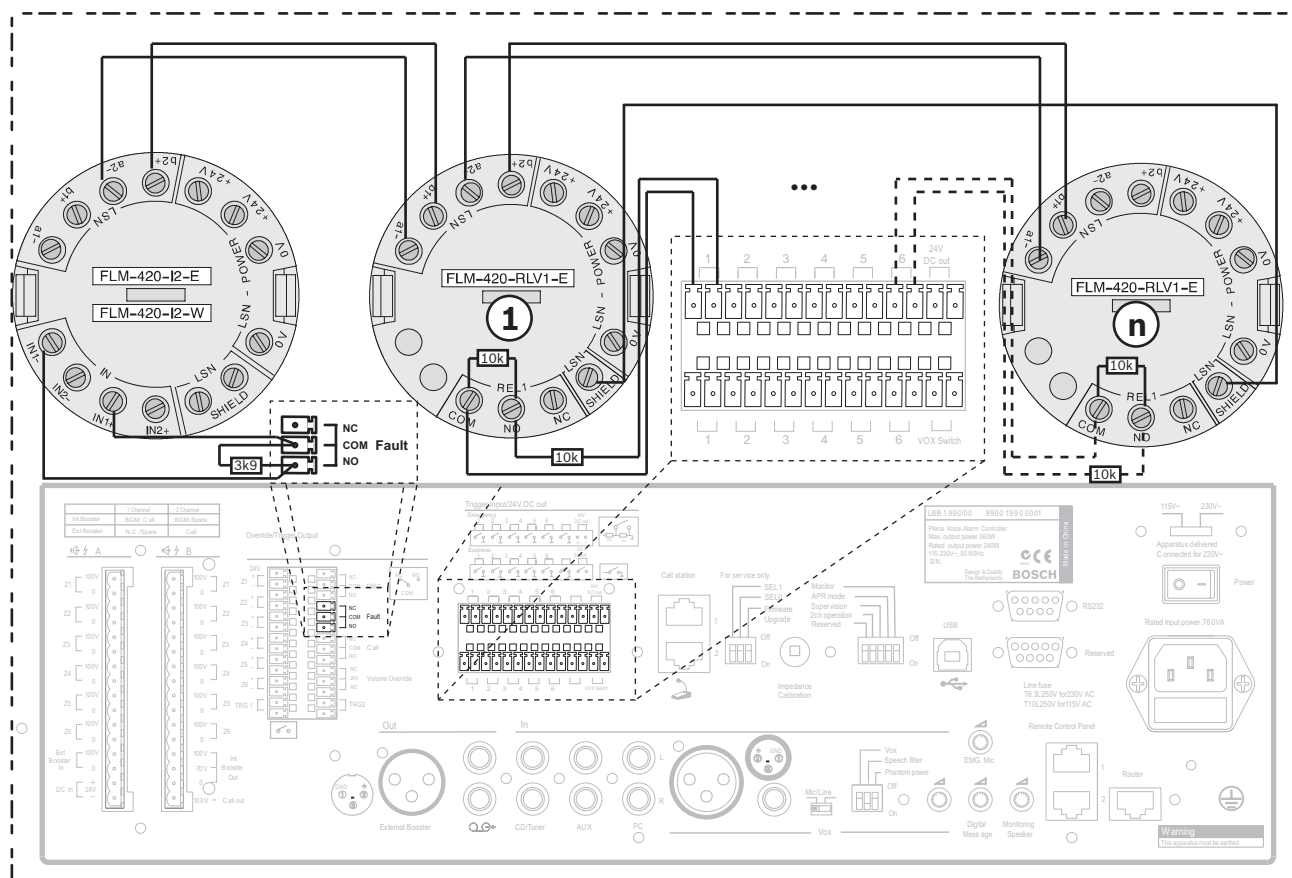
VdS 2496:2005-09



3.4.4 FLM-420-RLV1-E

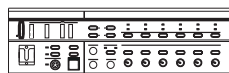
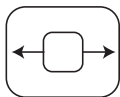


Plena

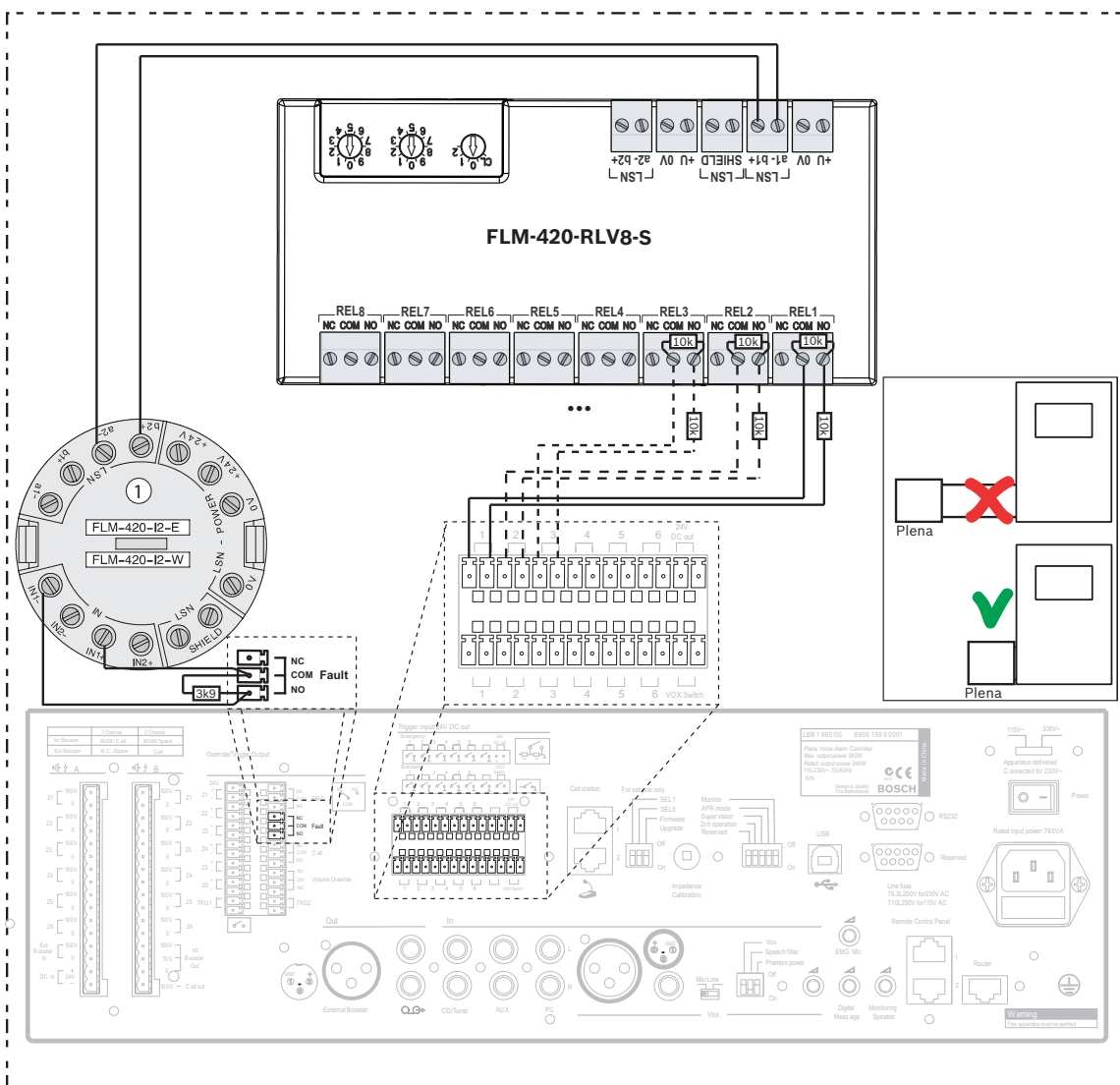
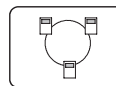


3.4.5

FLM-420-RLV8-S

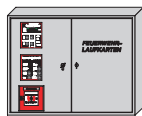


Plena



3.4.6

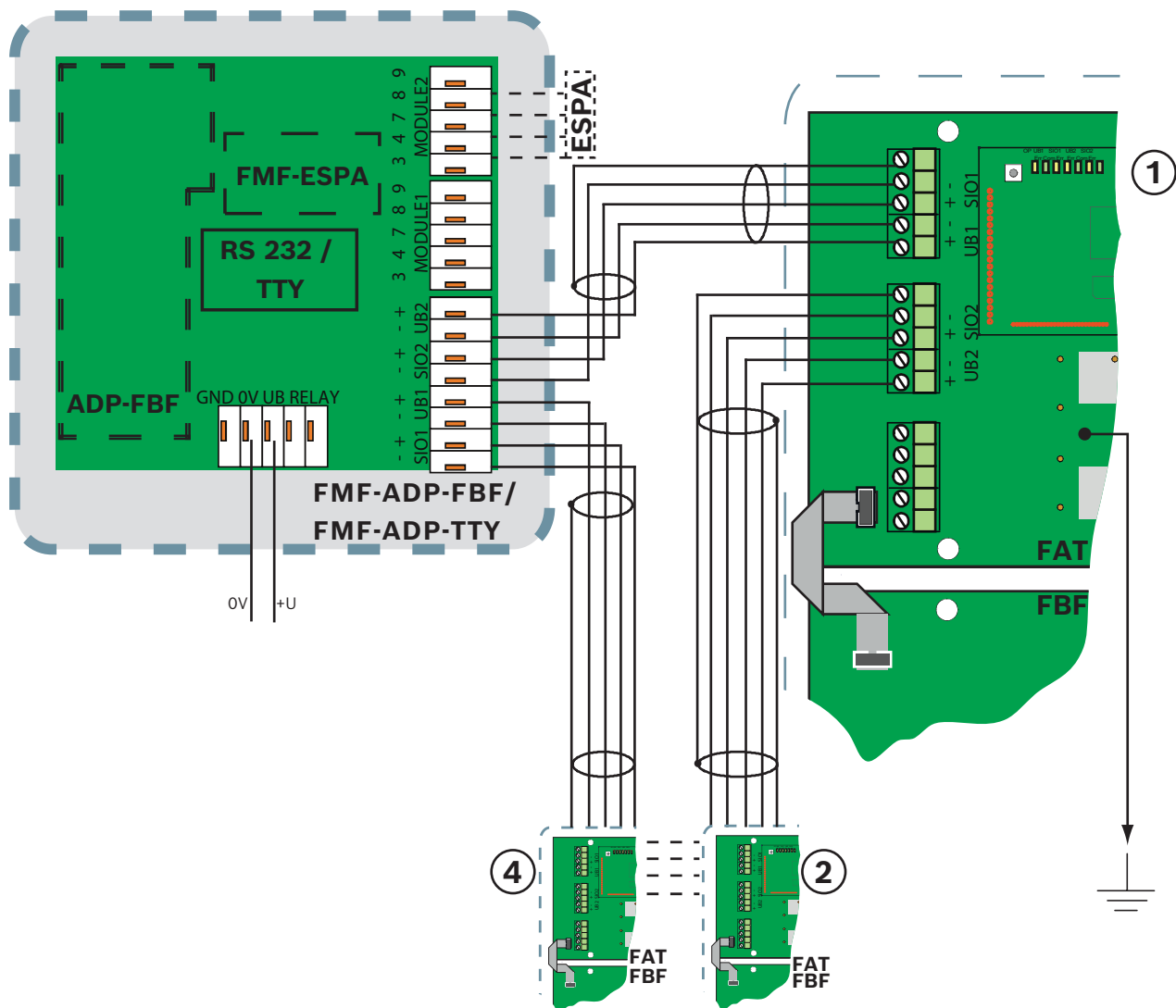
FMF-ADP-FBF/FMF-ADP-TTY



FAT4000 FBF4000 ADP4000

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

ELS VdS 2489

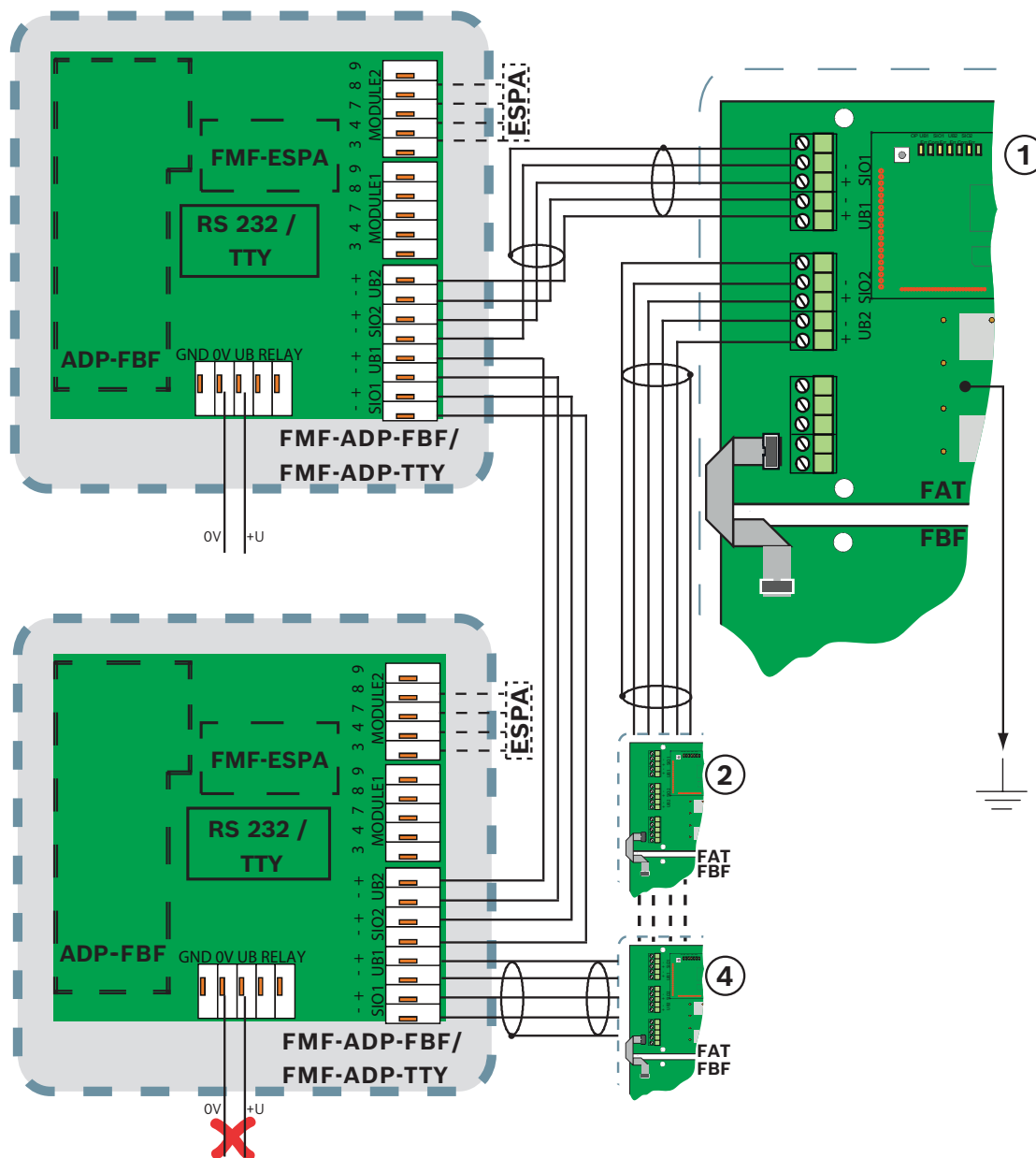




FAT4000 FBF4000 ADP4000

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

ELS VdS 2489



3.5

EOL

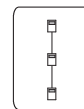
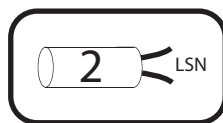


LSN 0300 A, stranica 181

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

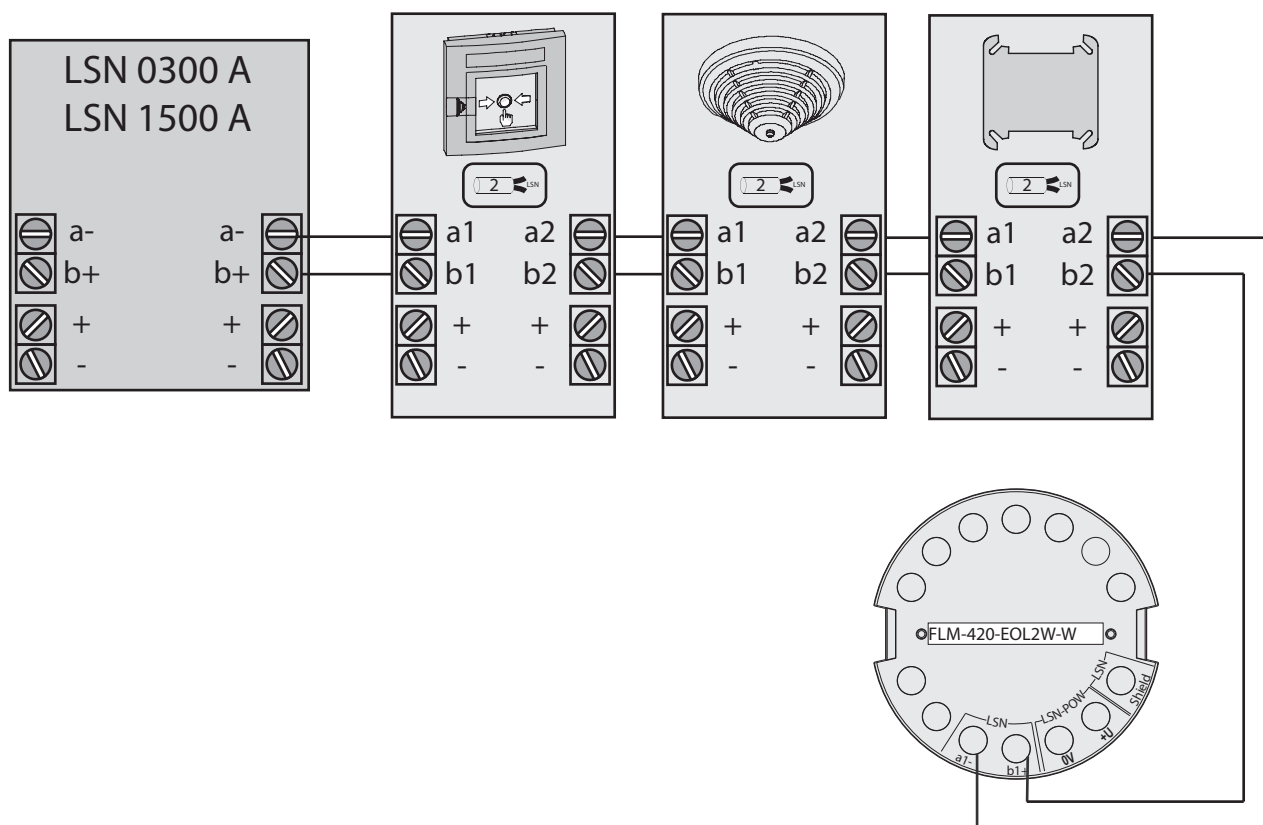
3.5.1

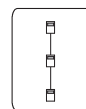
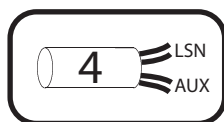
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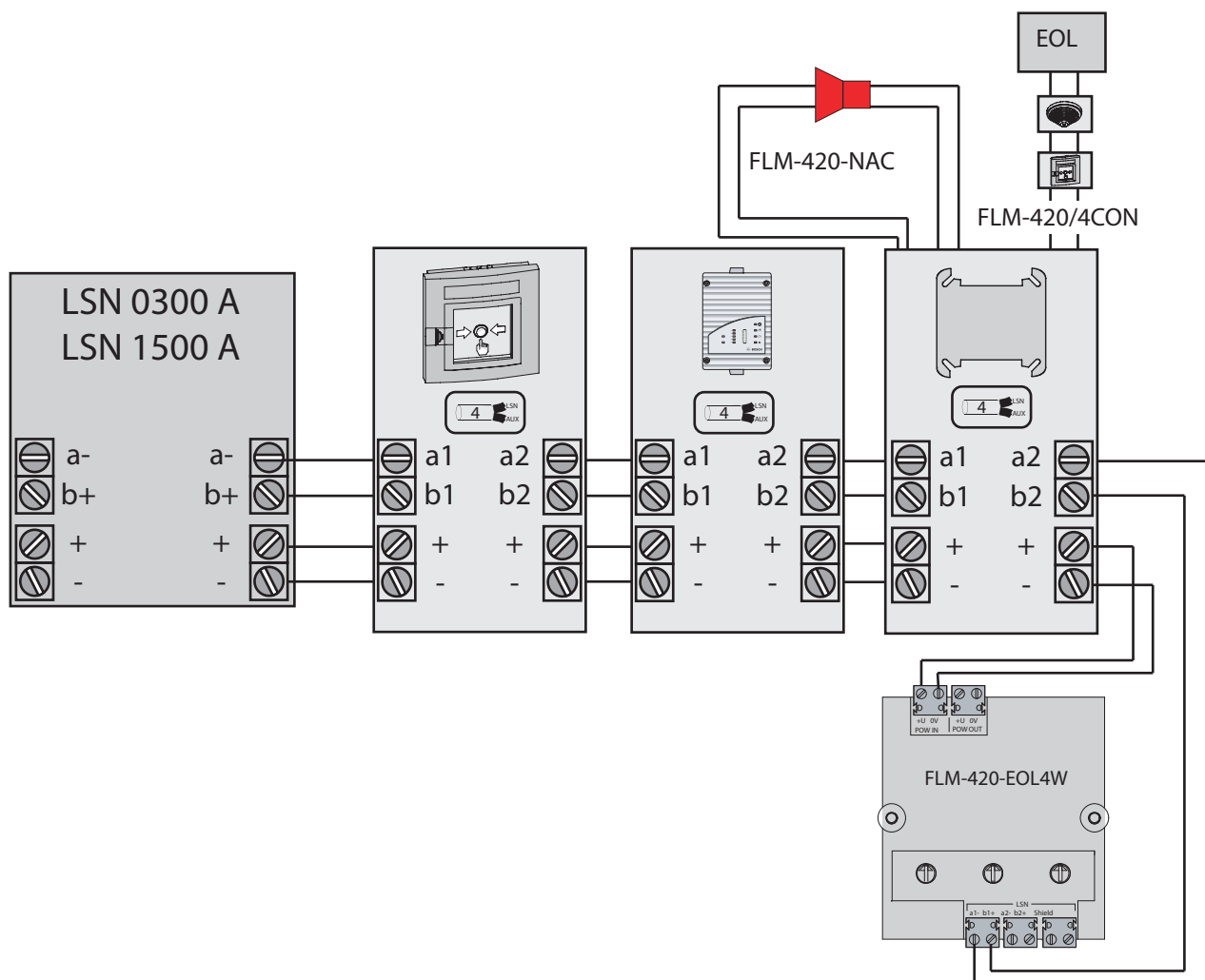
ELS

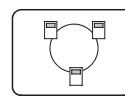
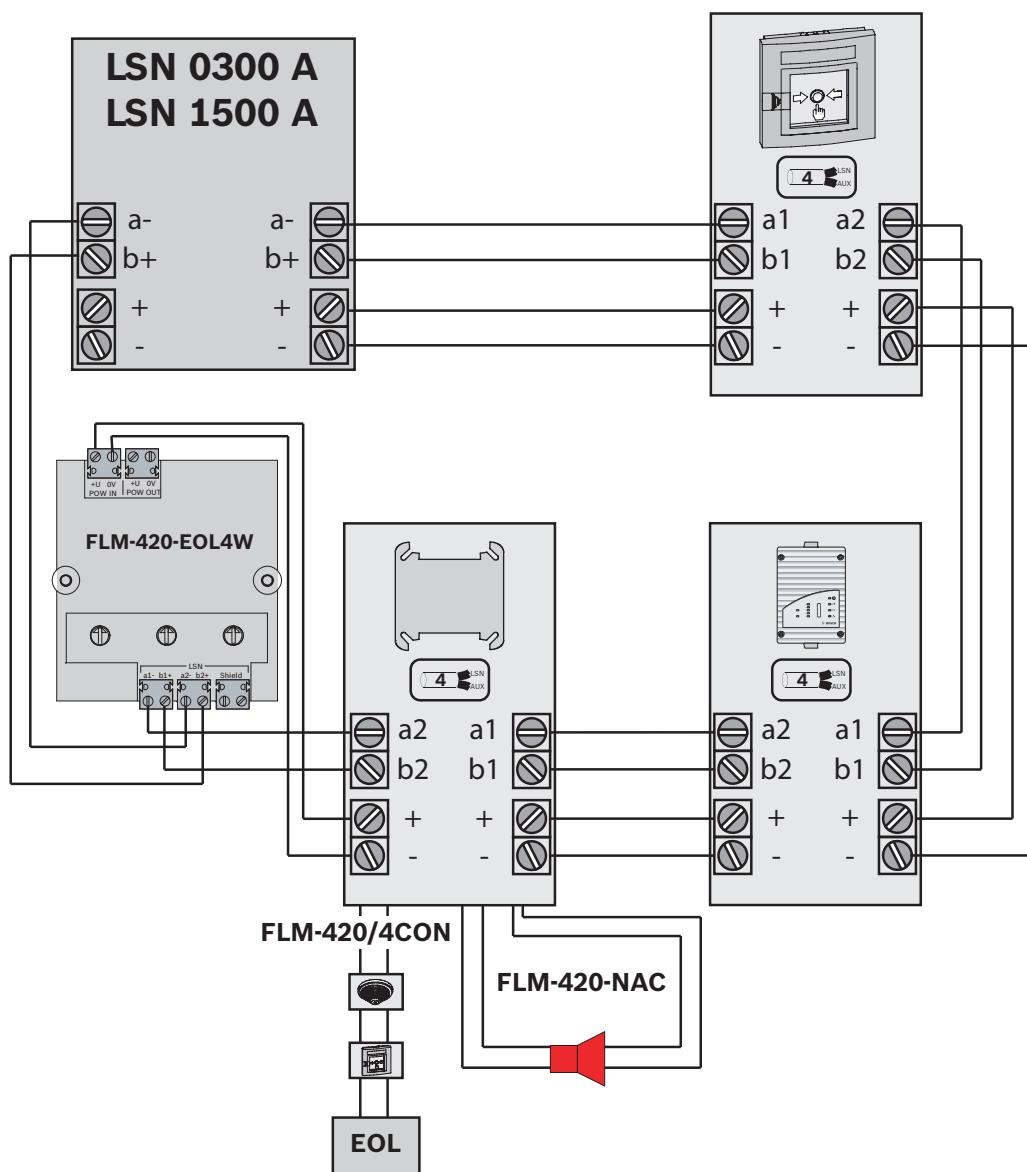
VdS 2489





ELS VdS 2489

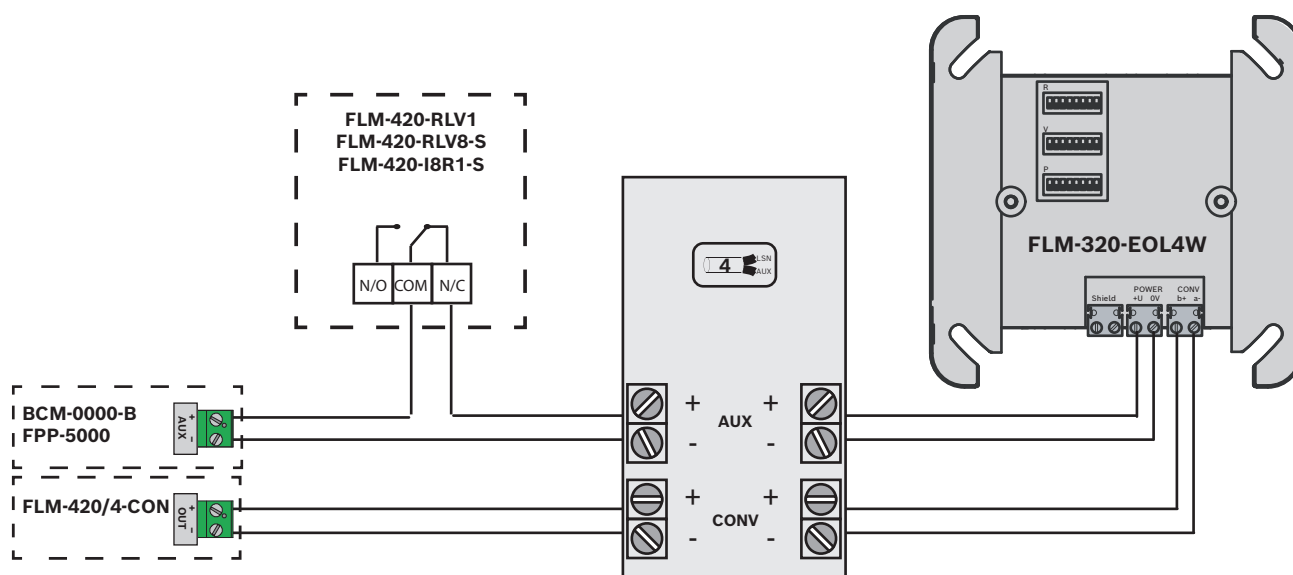


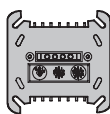
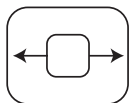
**ELS VdS 2489**



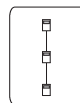
Reset action

ELS VdS 2489

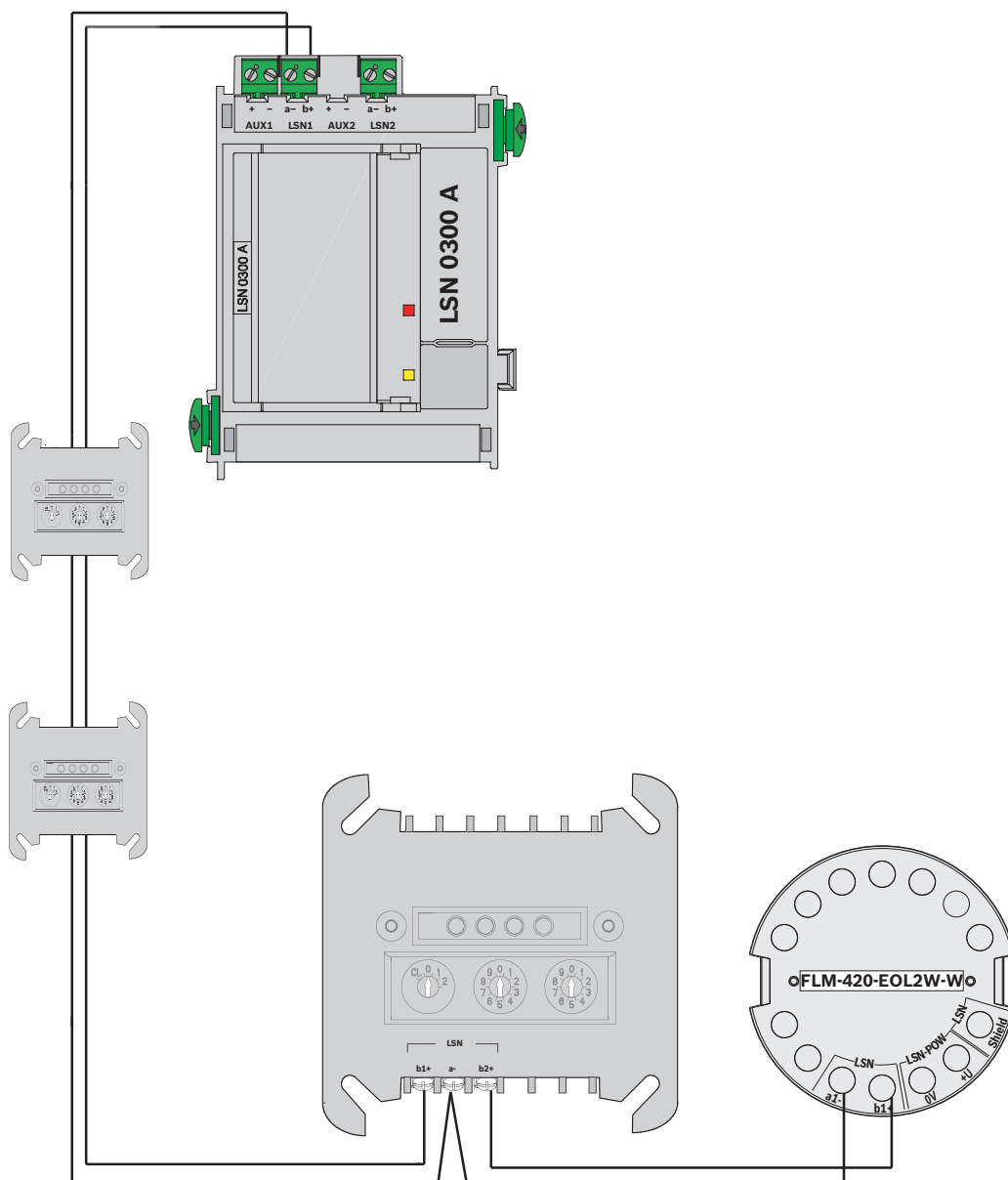


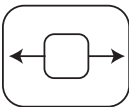


FLM-420-I2-D
FLM-420-O1I1-D
FLM-420-RHV-D/S
FLM-420-RLV1-D

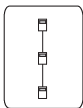


ELS VdS 2489

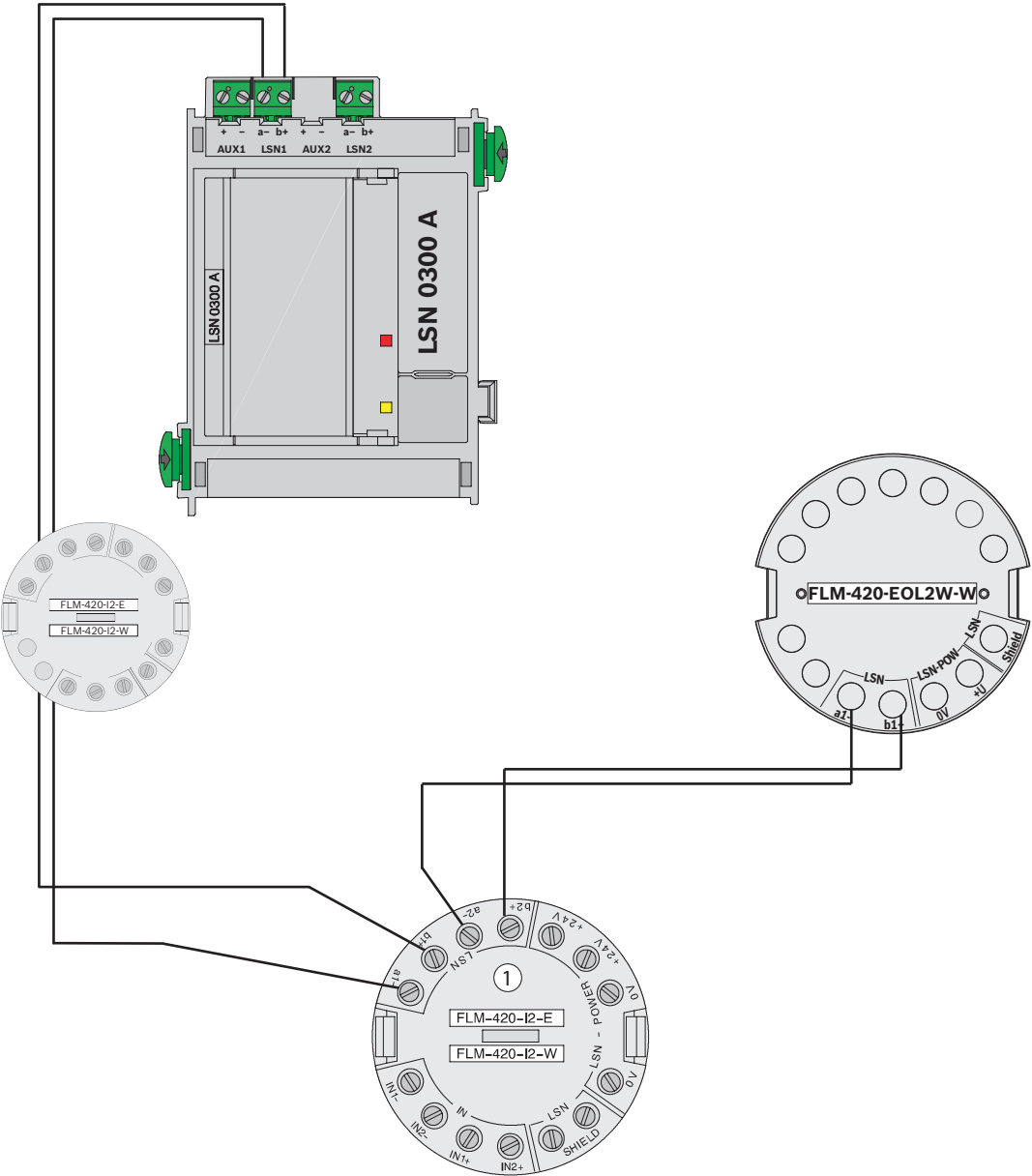


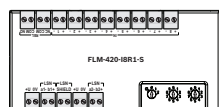
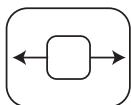


FLM-420-I2-E/W

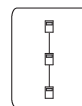


ELS VdS 2489

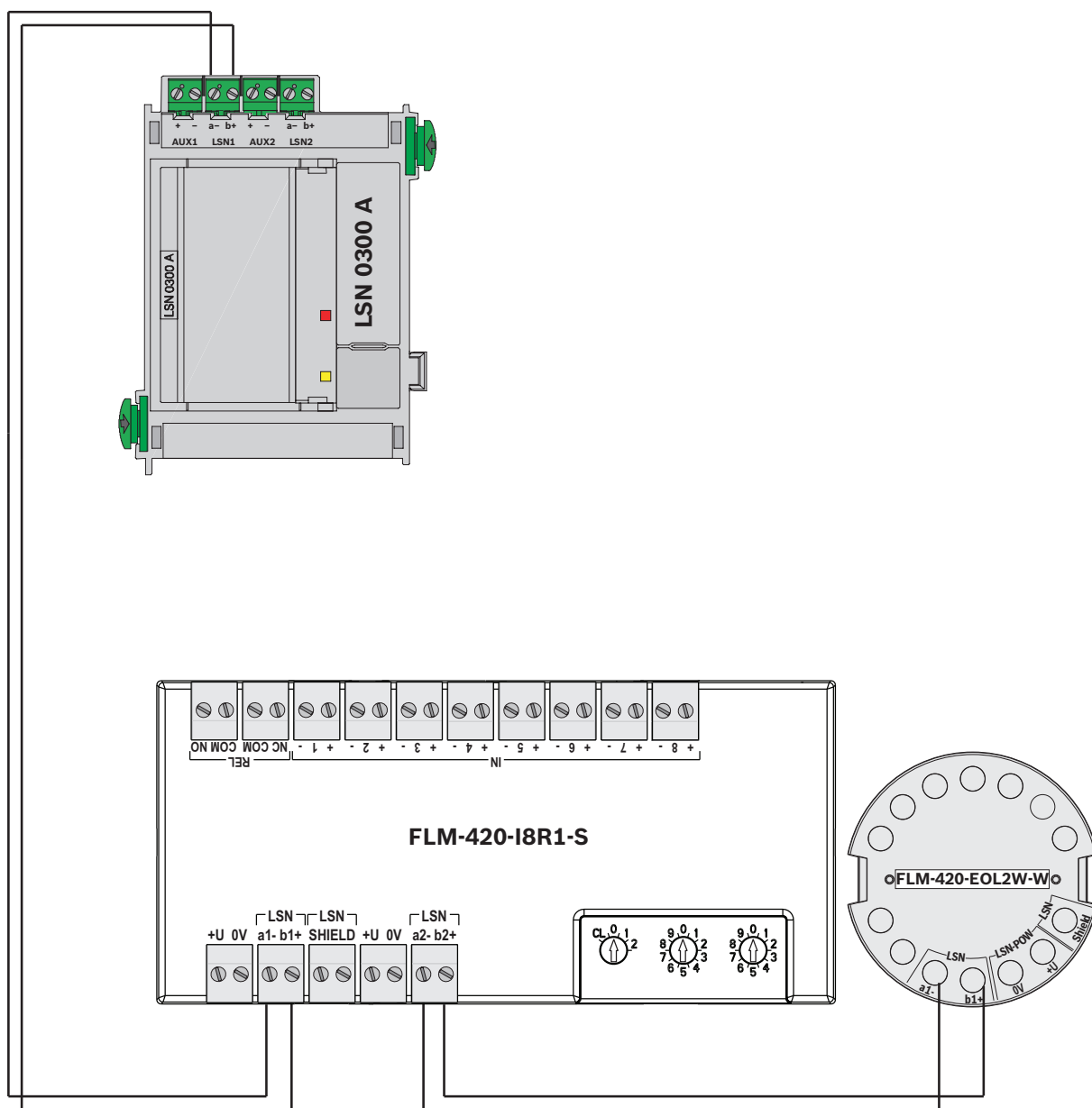


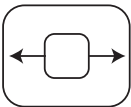


FLM-420-I8R1-S

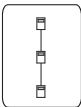


ELS VdS 2489

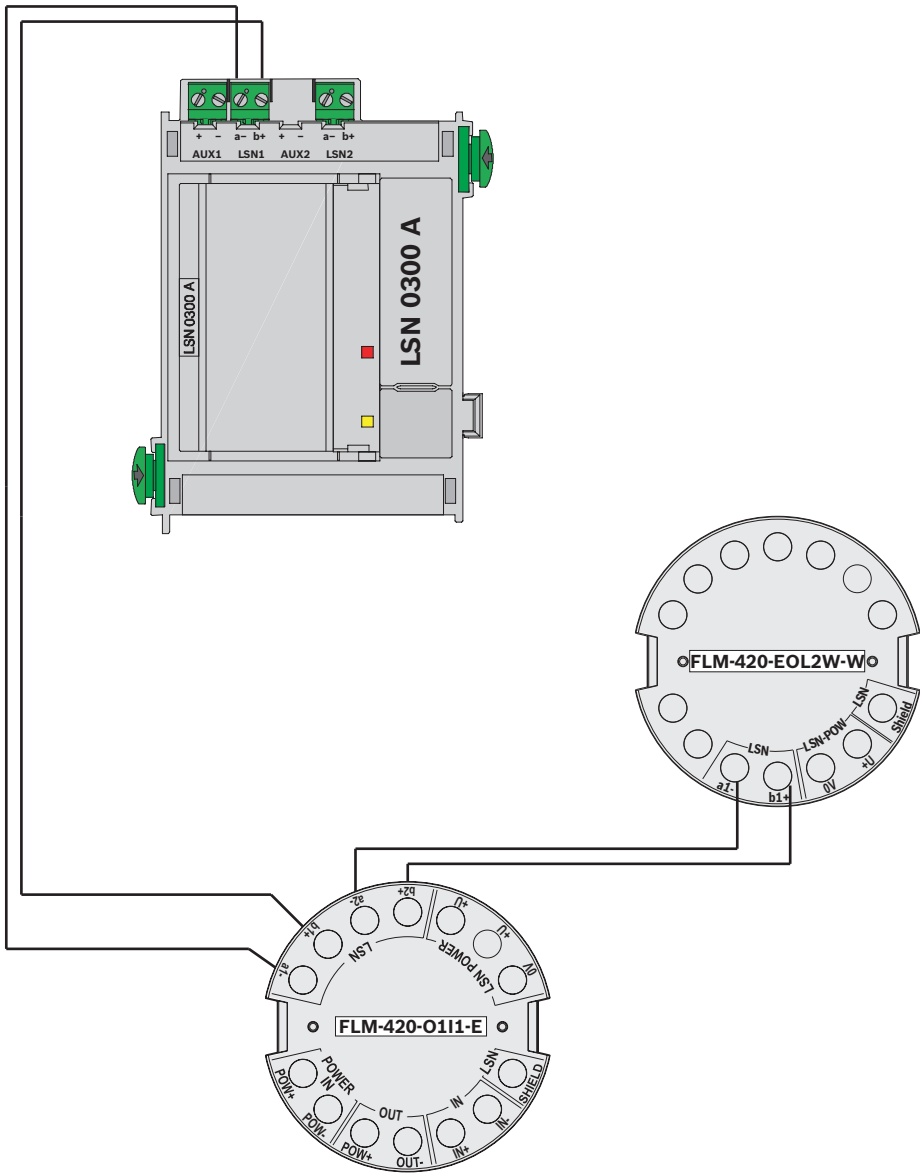


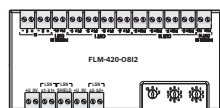
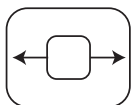


FLM-420-O111-E

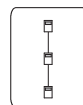


ELS VdS 2489

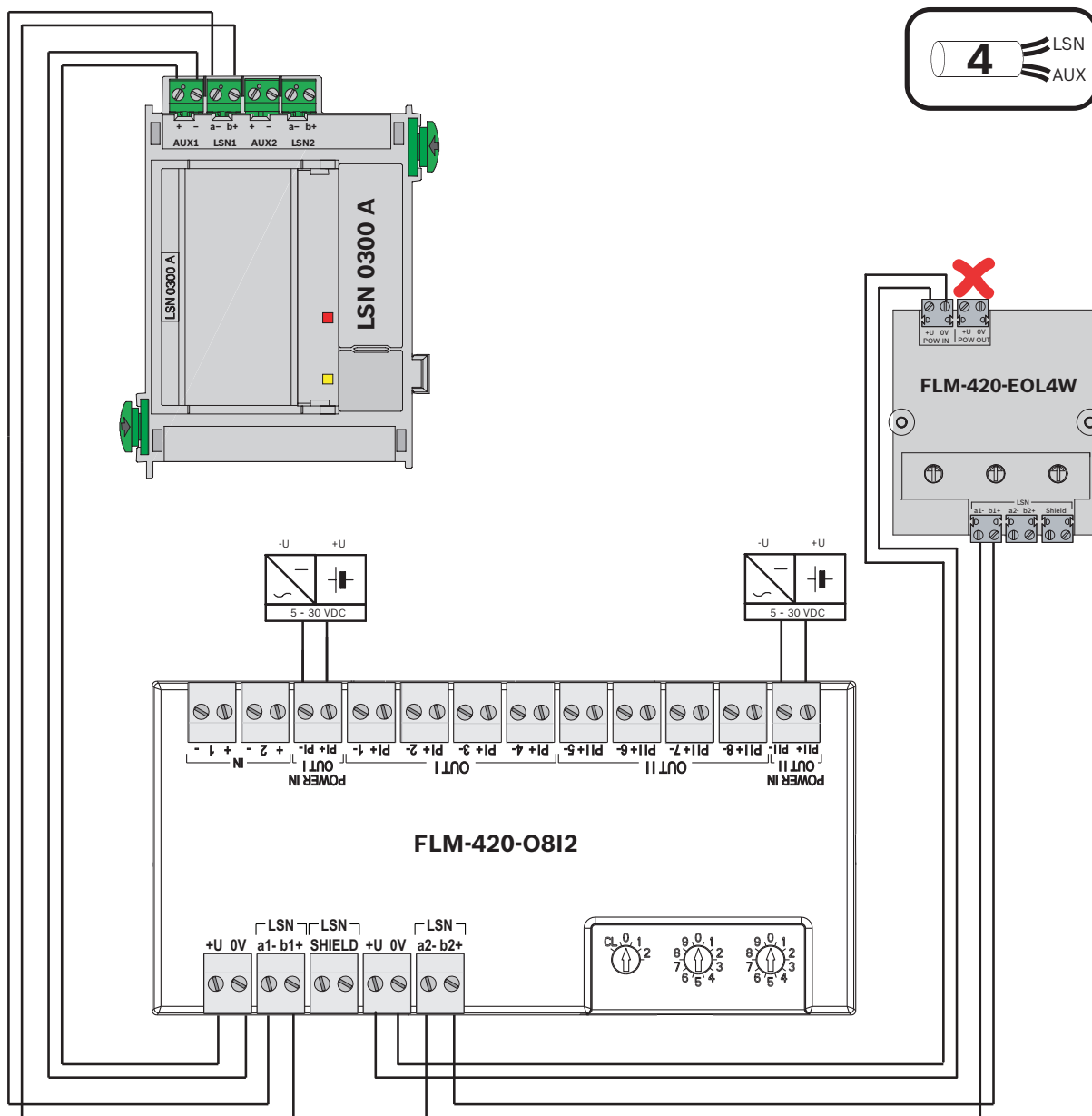


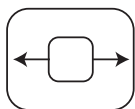


FLM-420-08I2-S

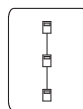


ELS VdS 2489

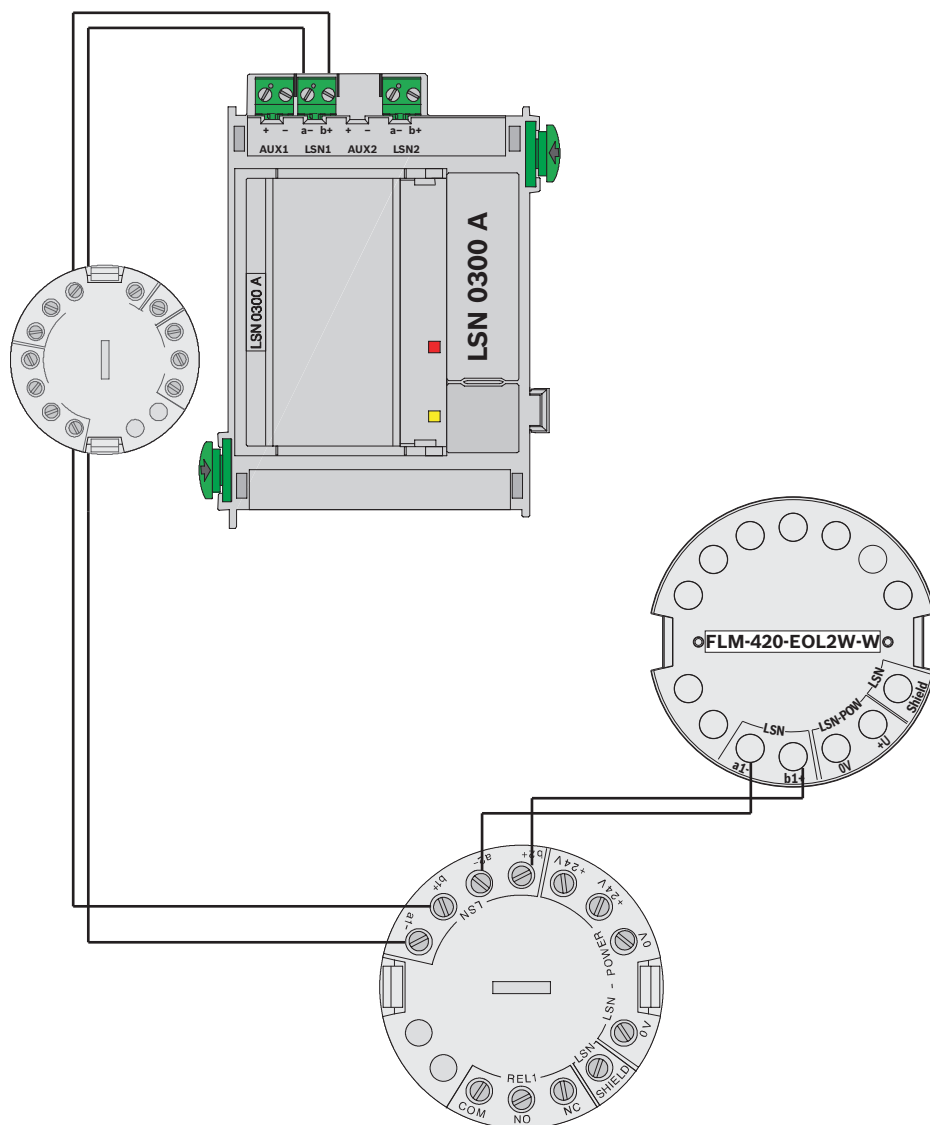


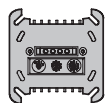
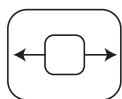


FLM-420-I2-E/-W
FLM-420-RLV1-E



ELS VdS 2489

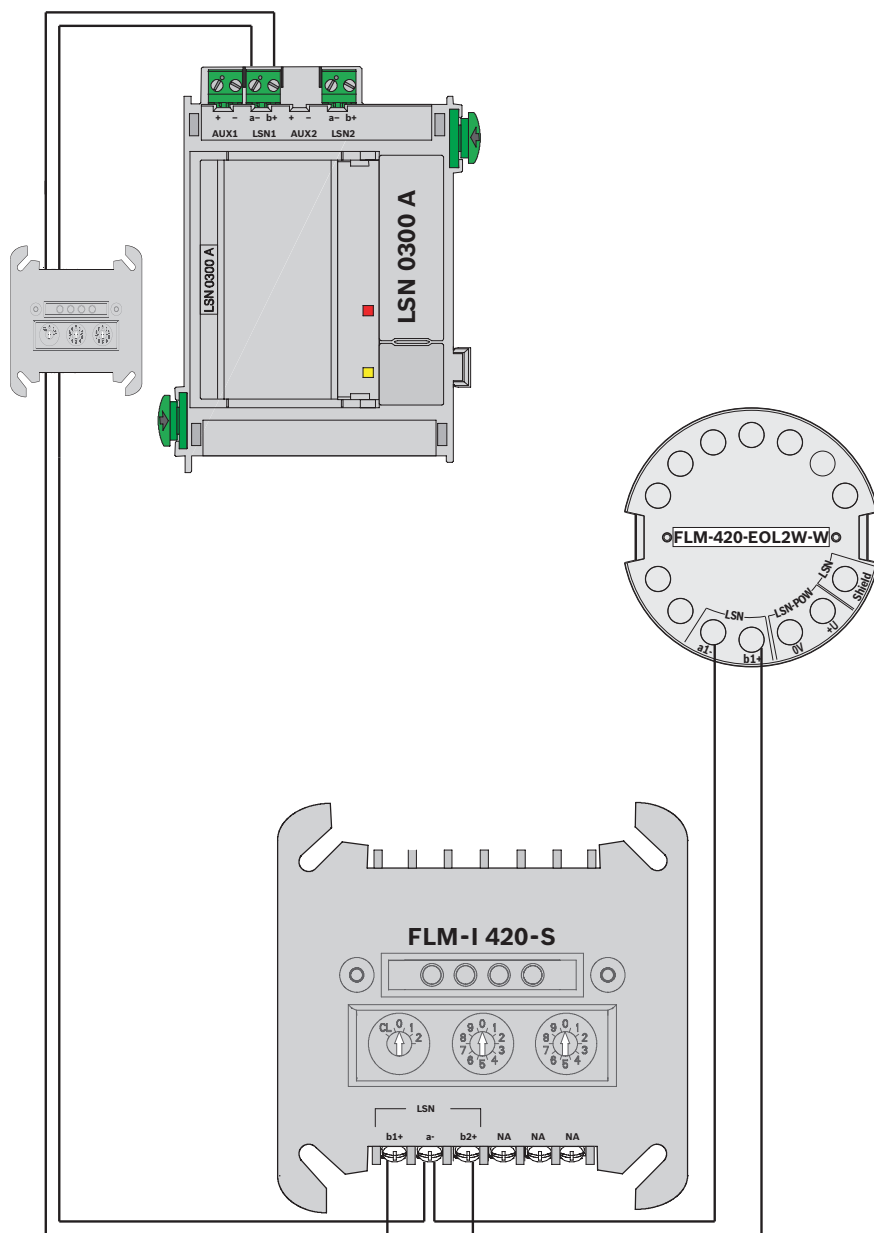


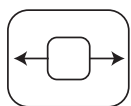
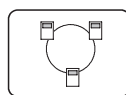
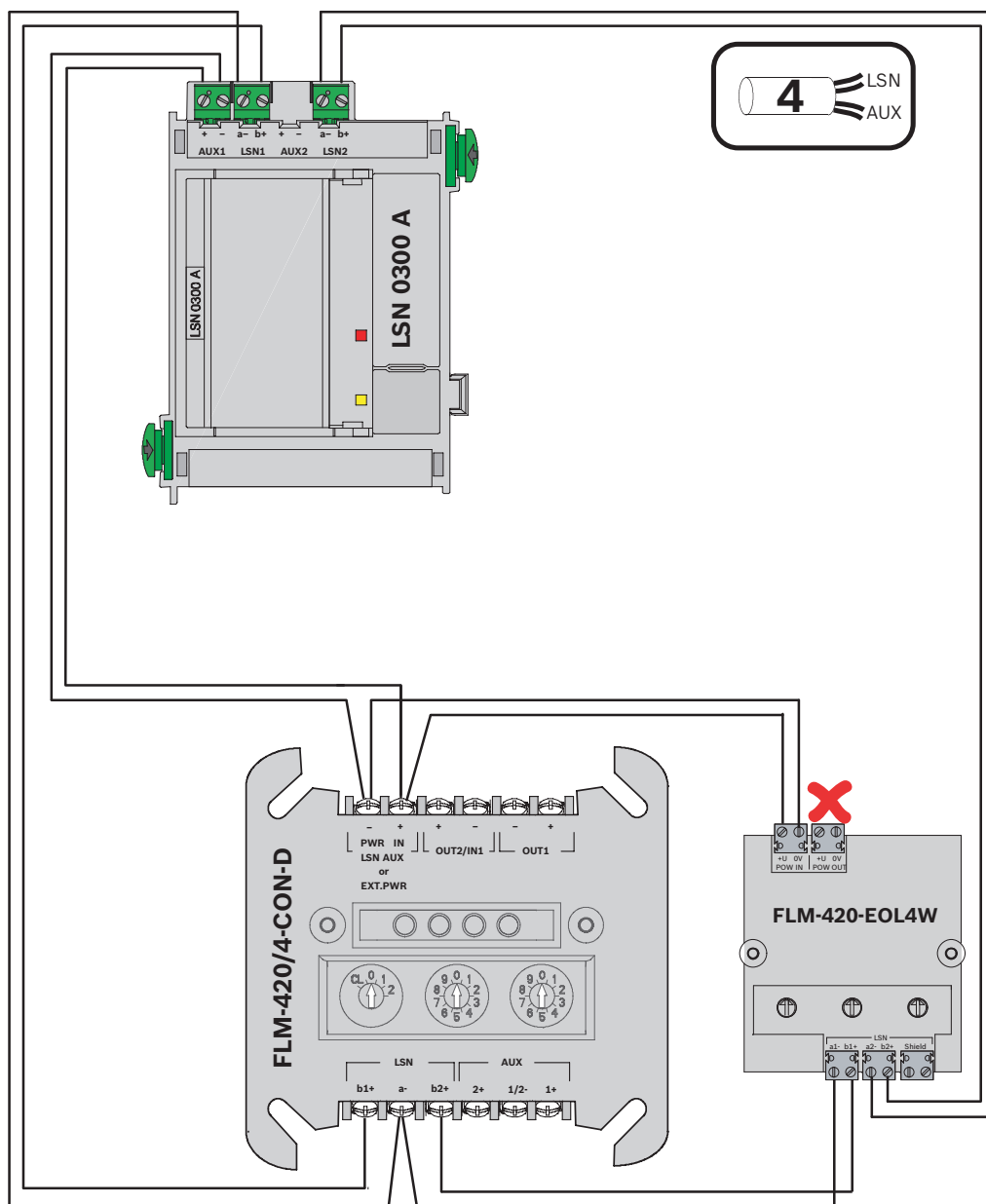


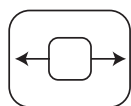
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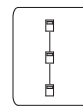
ELS VdS 2489



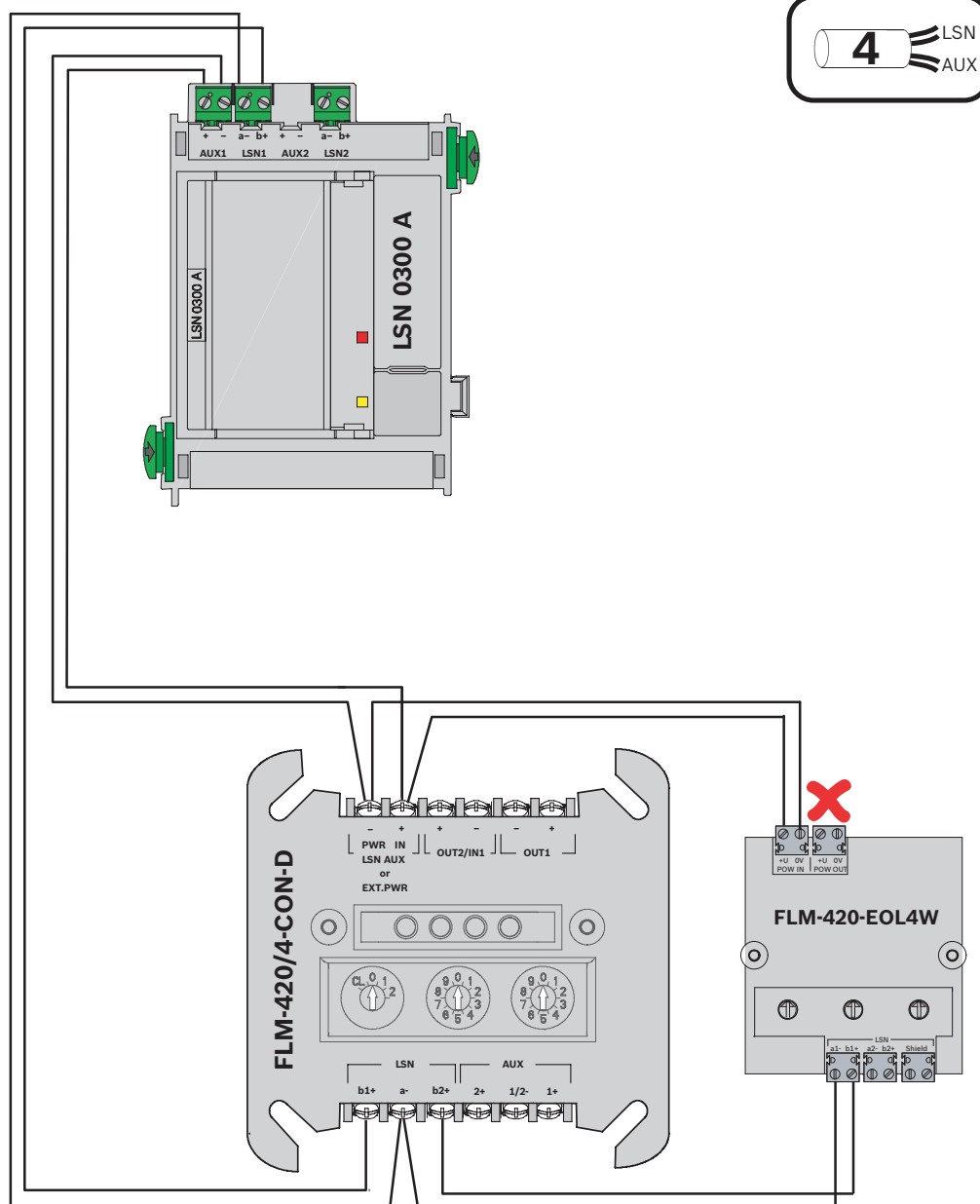
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4-CON-D****ELS VdS 2489**

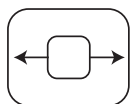


**FLM-420/
4-CON-D**

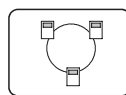
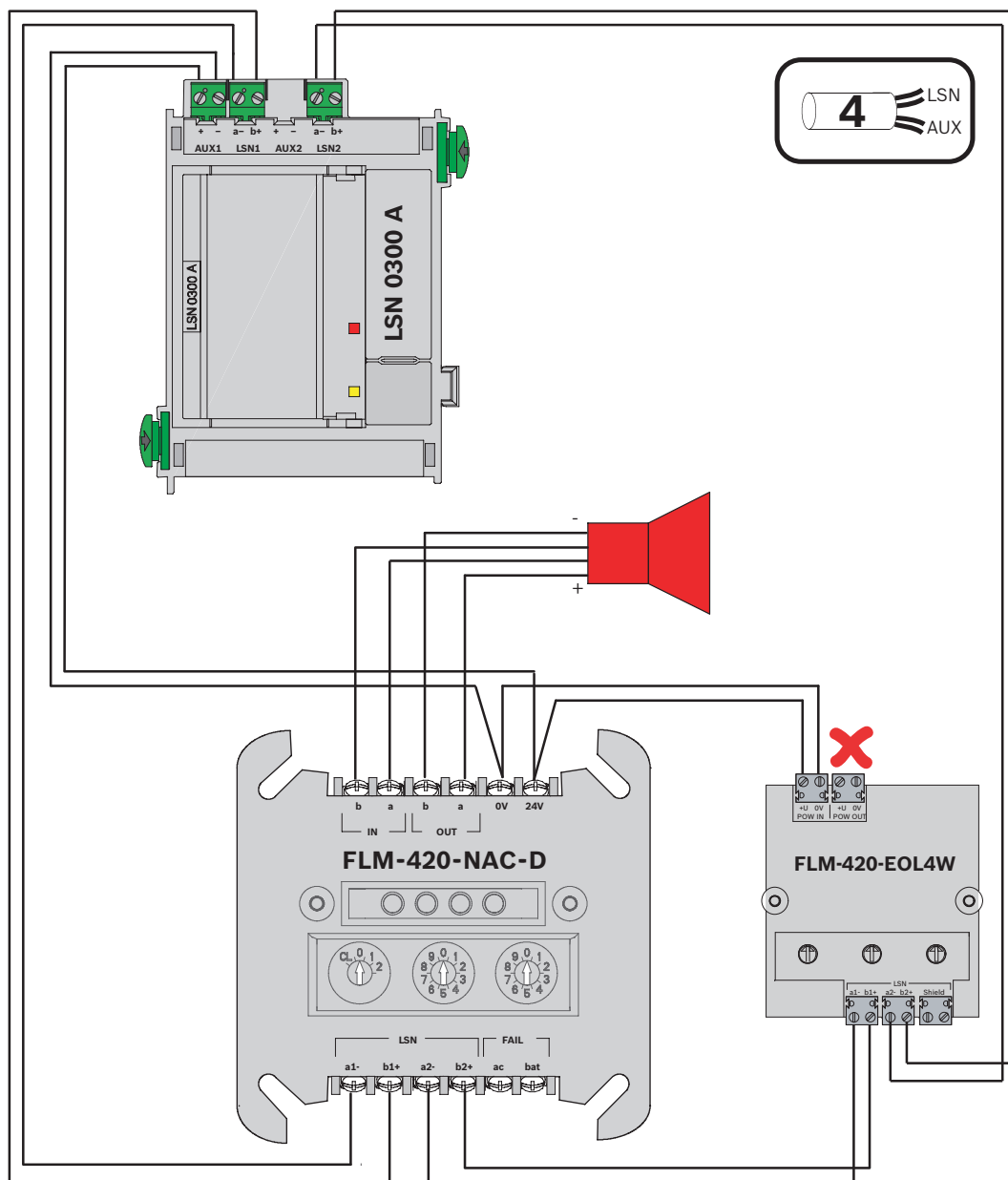


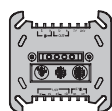
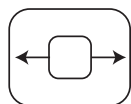
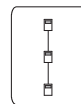
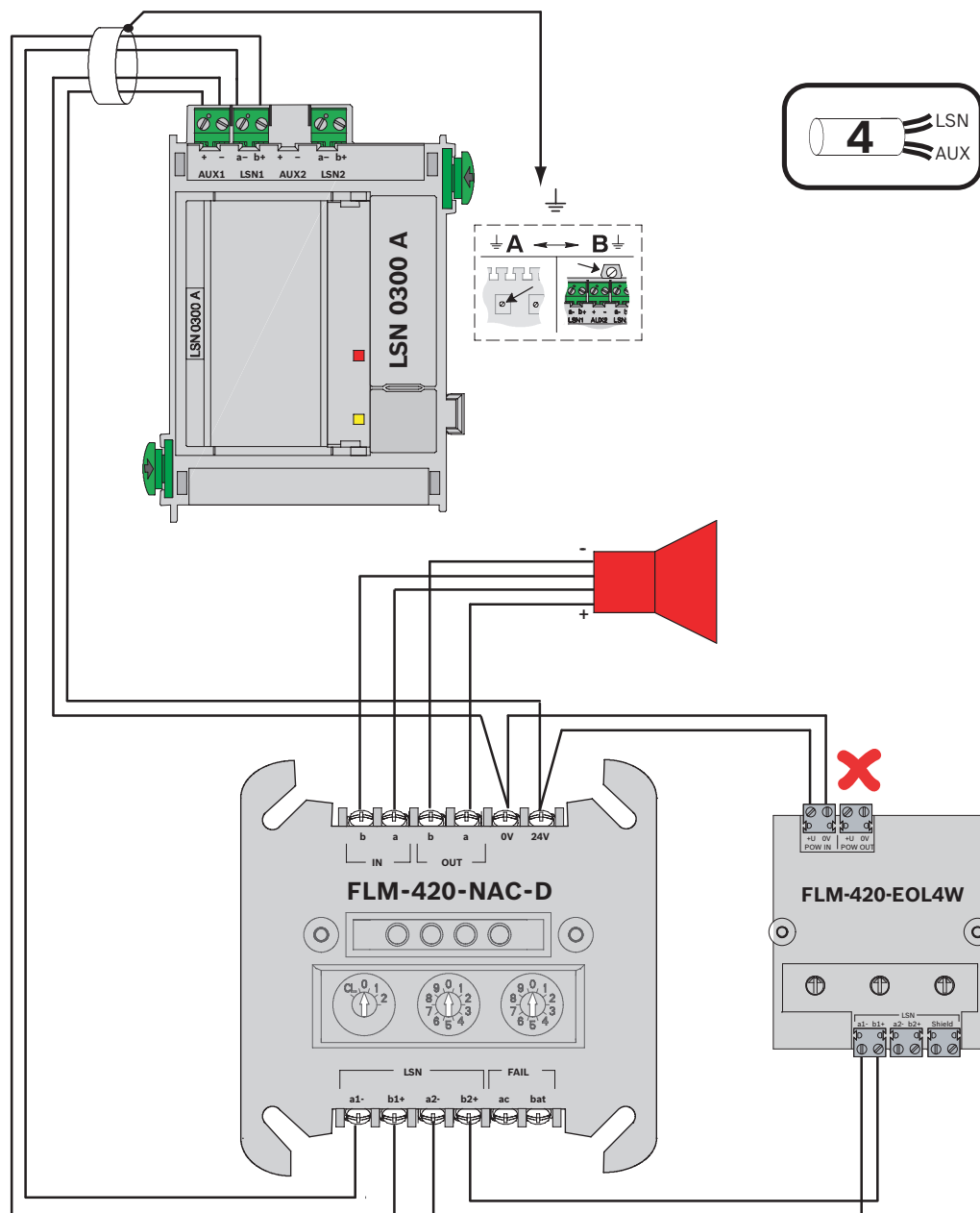
ELS VdS 2489

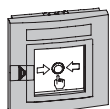
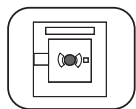




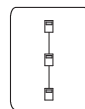
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ELS VdS 2489
EN 54-2

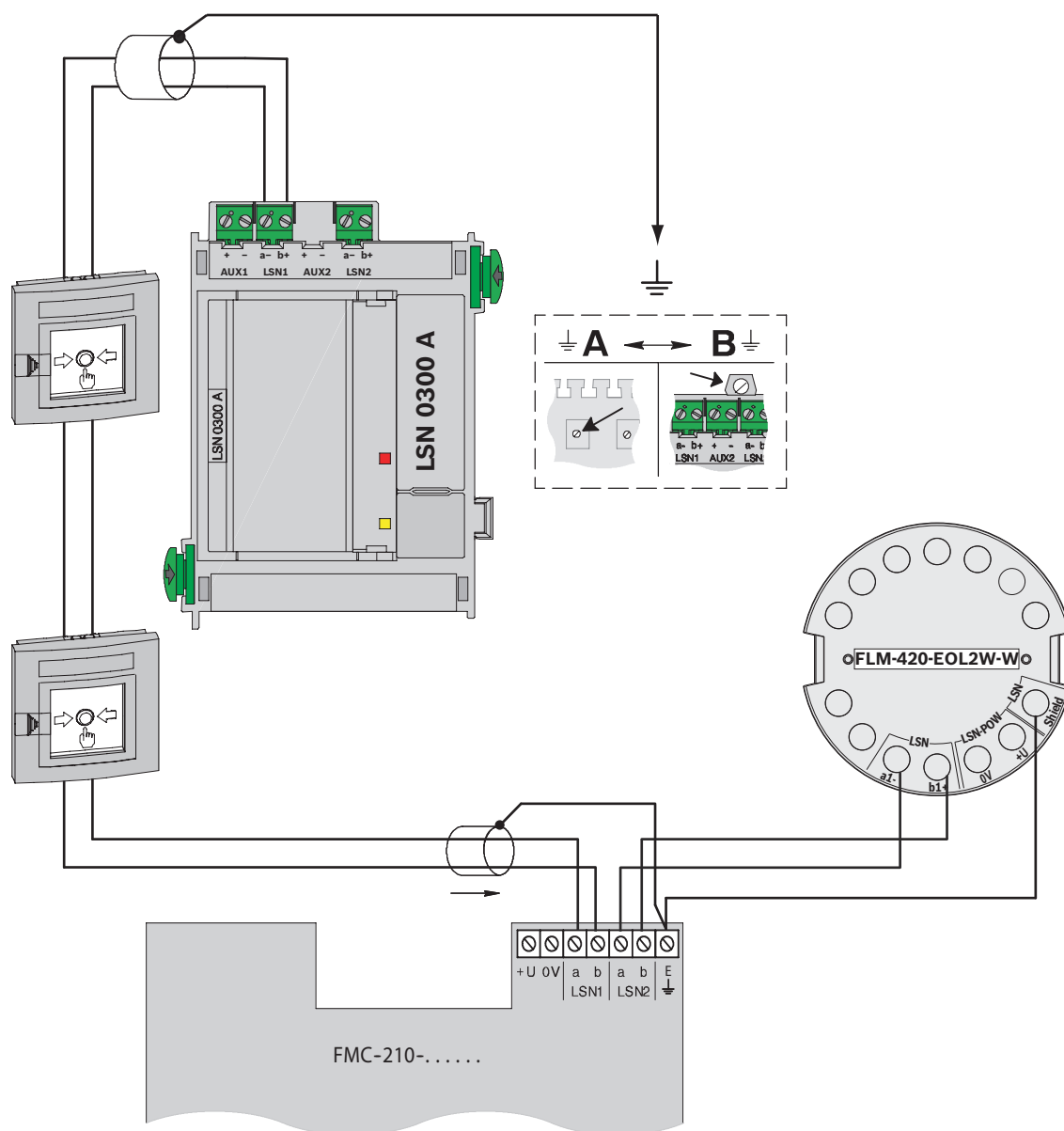
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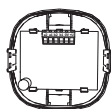


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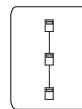


ELS VdS 2489

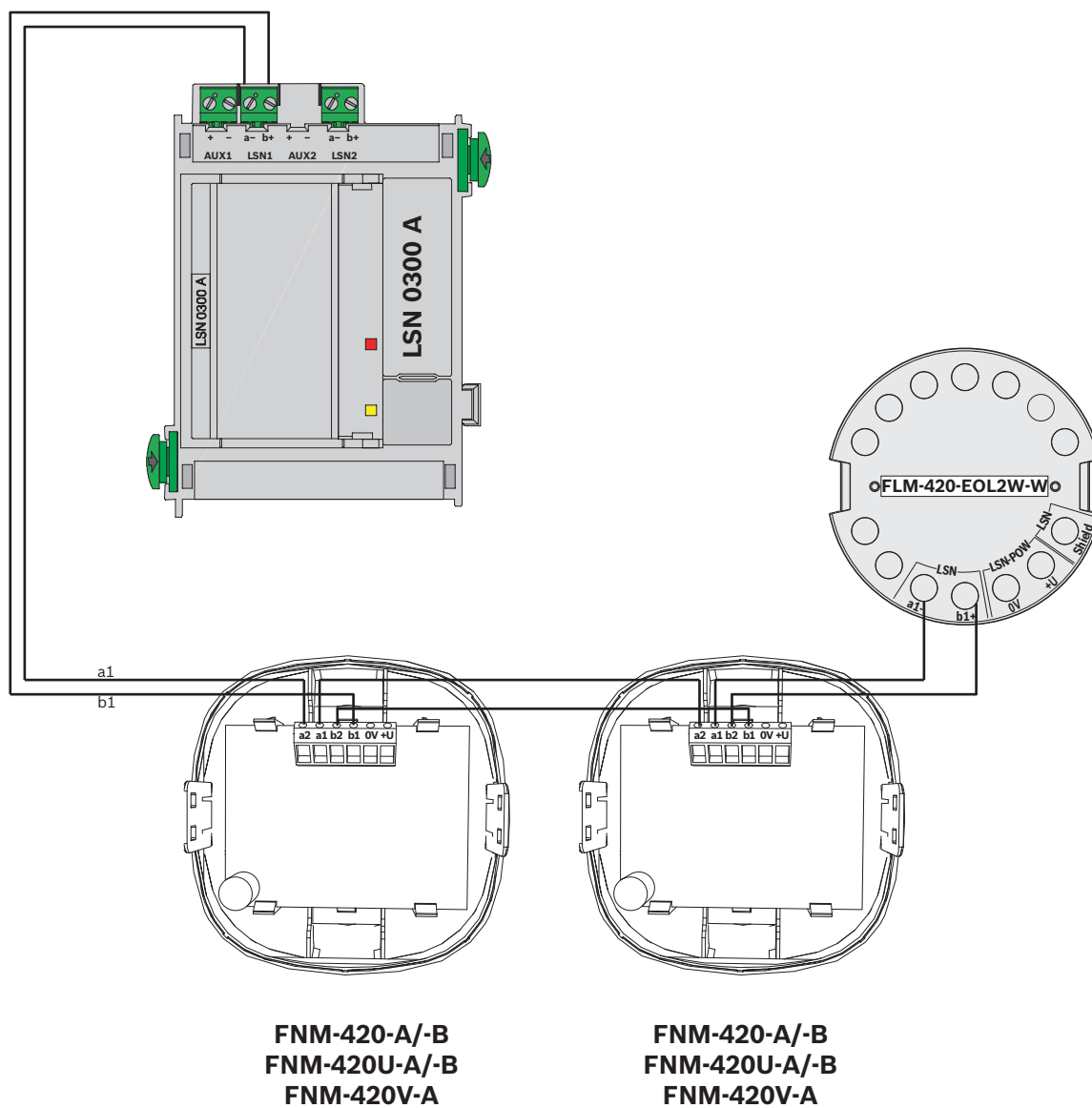




FNM-420-A /-B
FNM-420U-A /-B
FNM-420V-A



ELS VdS 2489

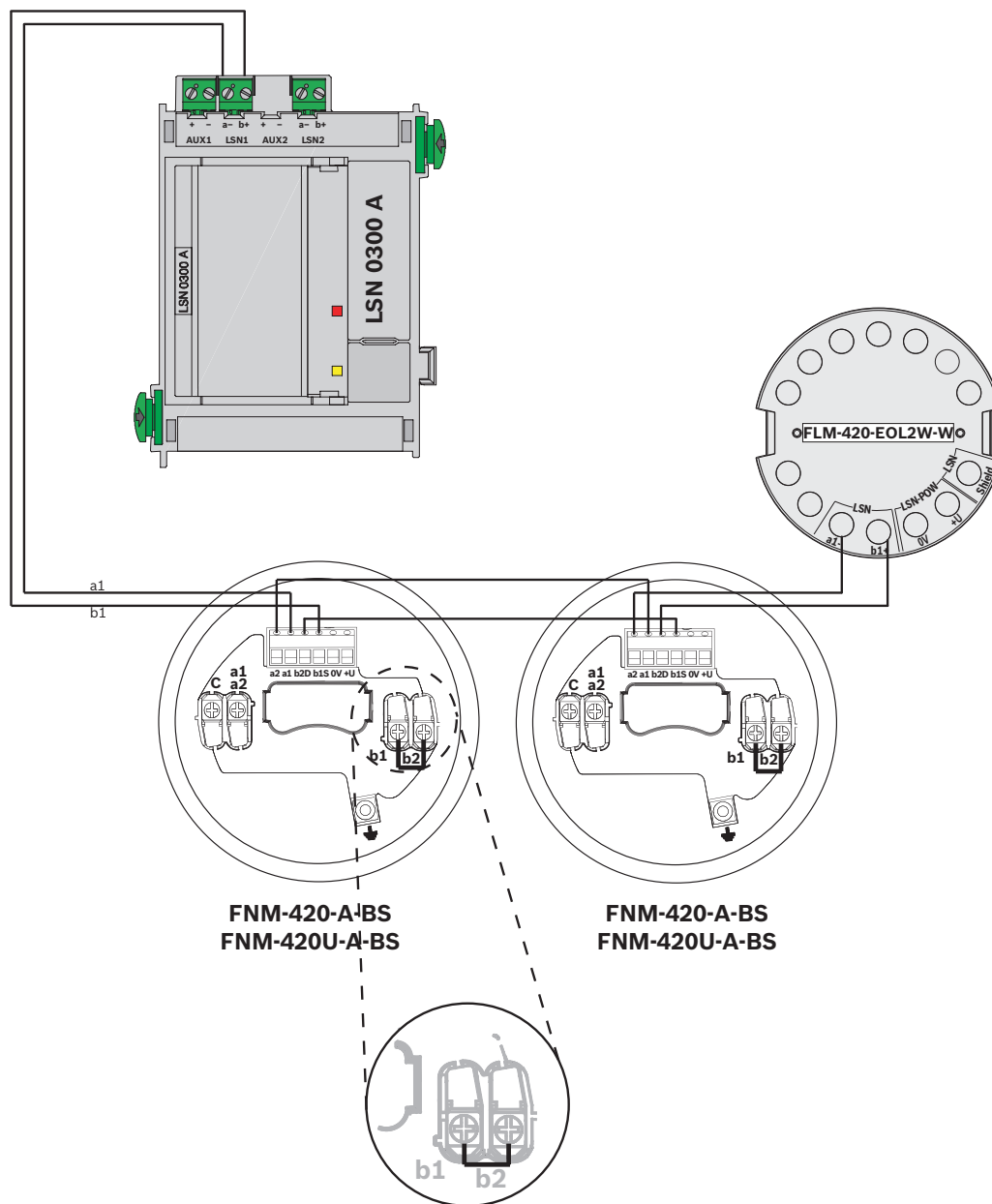




FNM-420-A-BS
FNM-420U-A-BS



ELS VdS 2489

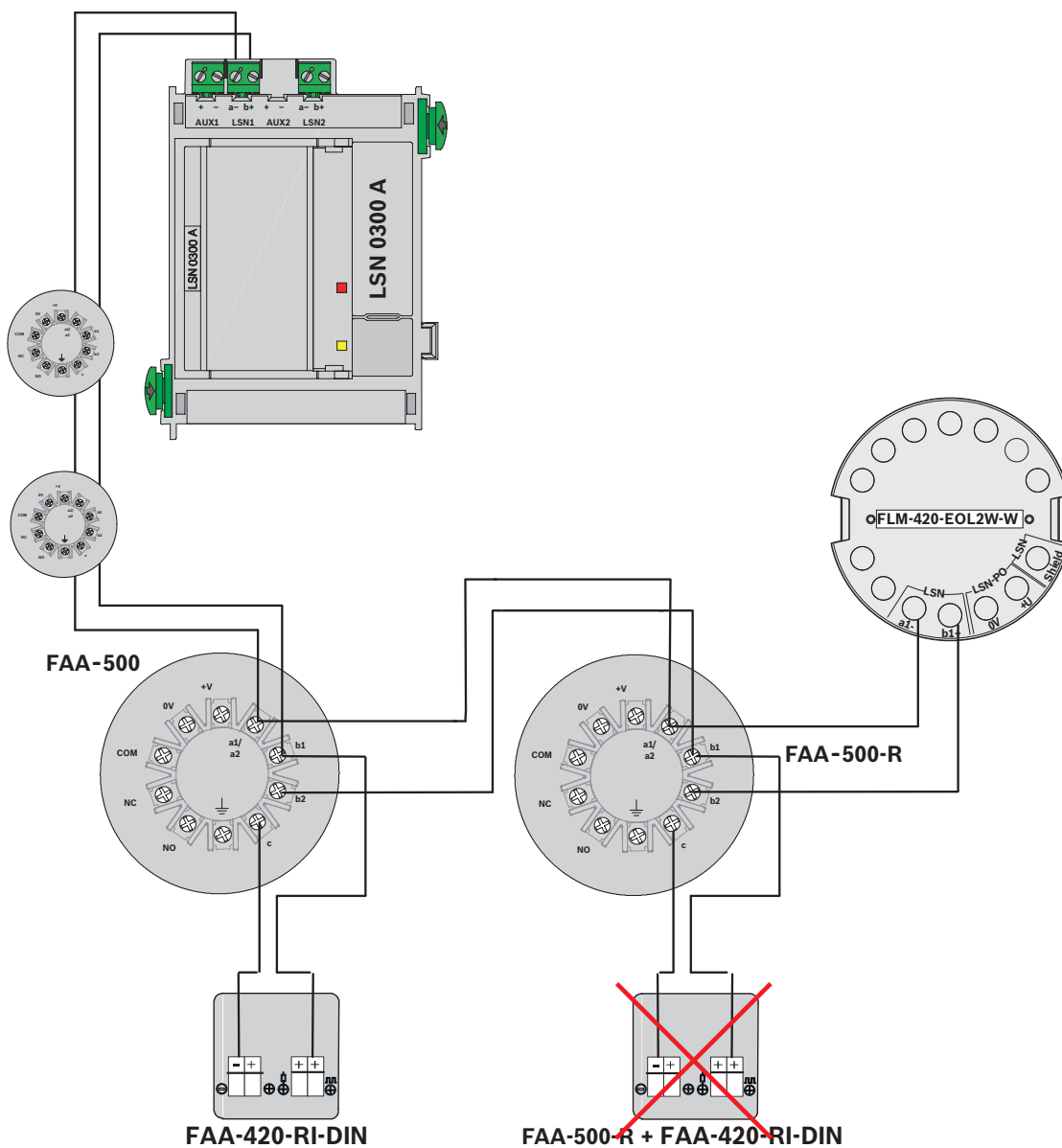




FAP-0520
FAP-0520-P
FAP-OC520
FAP-OC-520-P

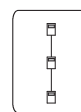


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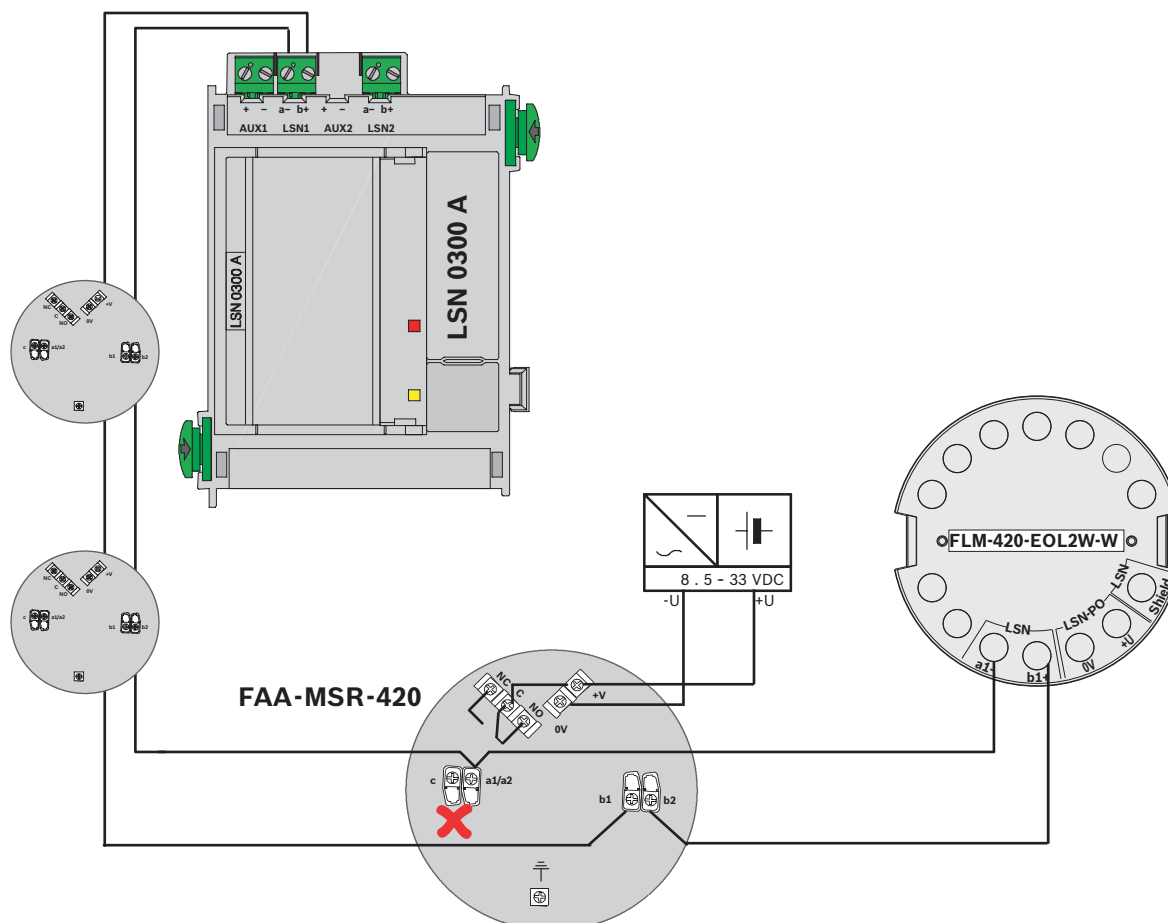




FAP-425-O/-O-R
FAP-425-OT/-OT-R
FAP-425-T-R
FAP-425-DO-R/DOT-R/-DOTC-R



ELS VdS 2489

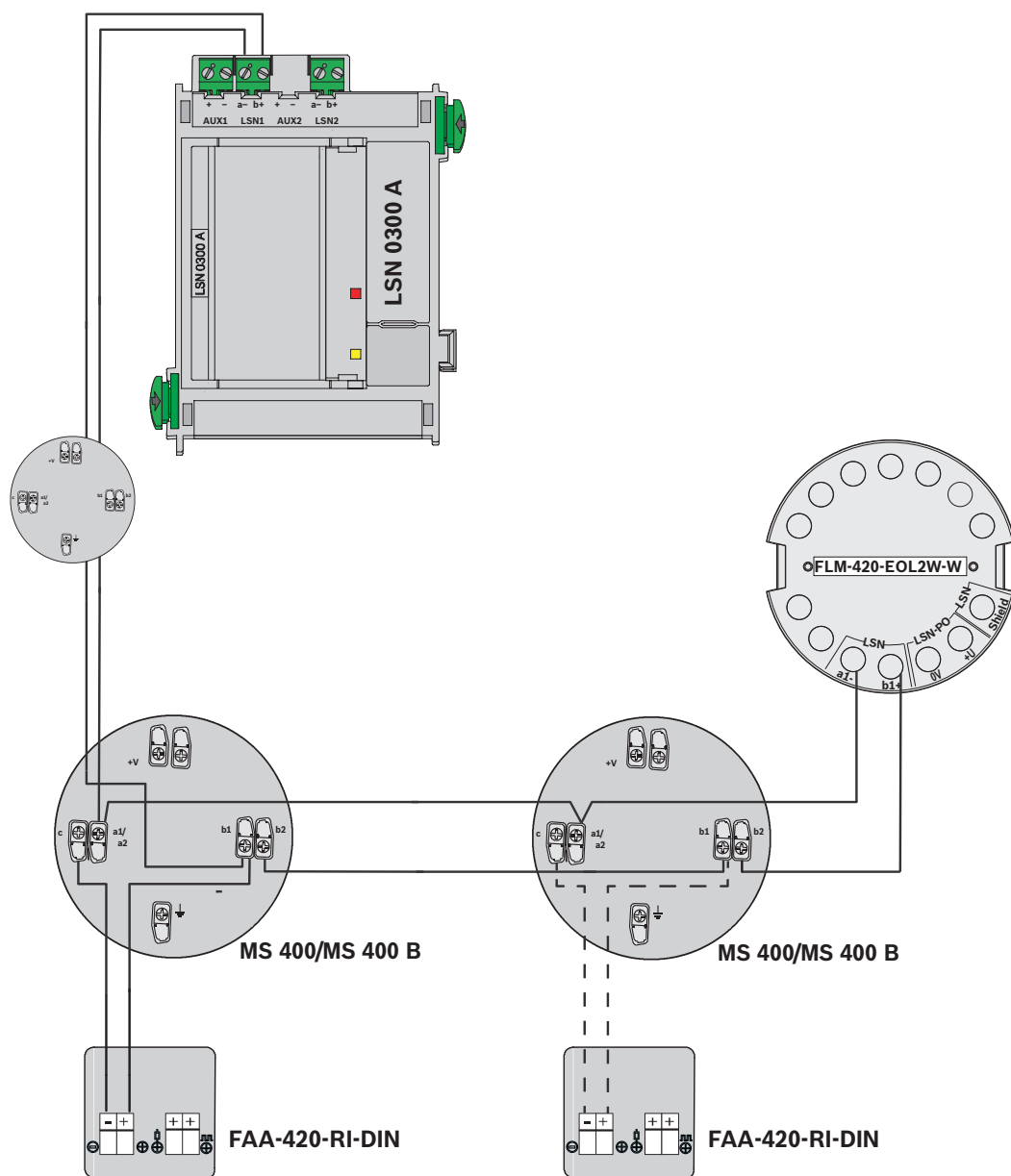


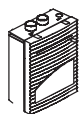


FAP-425-O/-O-R/-OT/-OT-R/-T-R
 FAP-425-DO-R/-DOT-R/-DOTC-R
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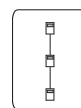


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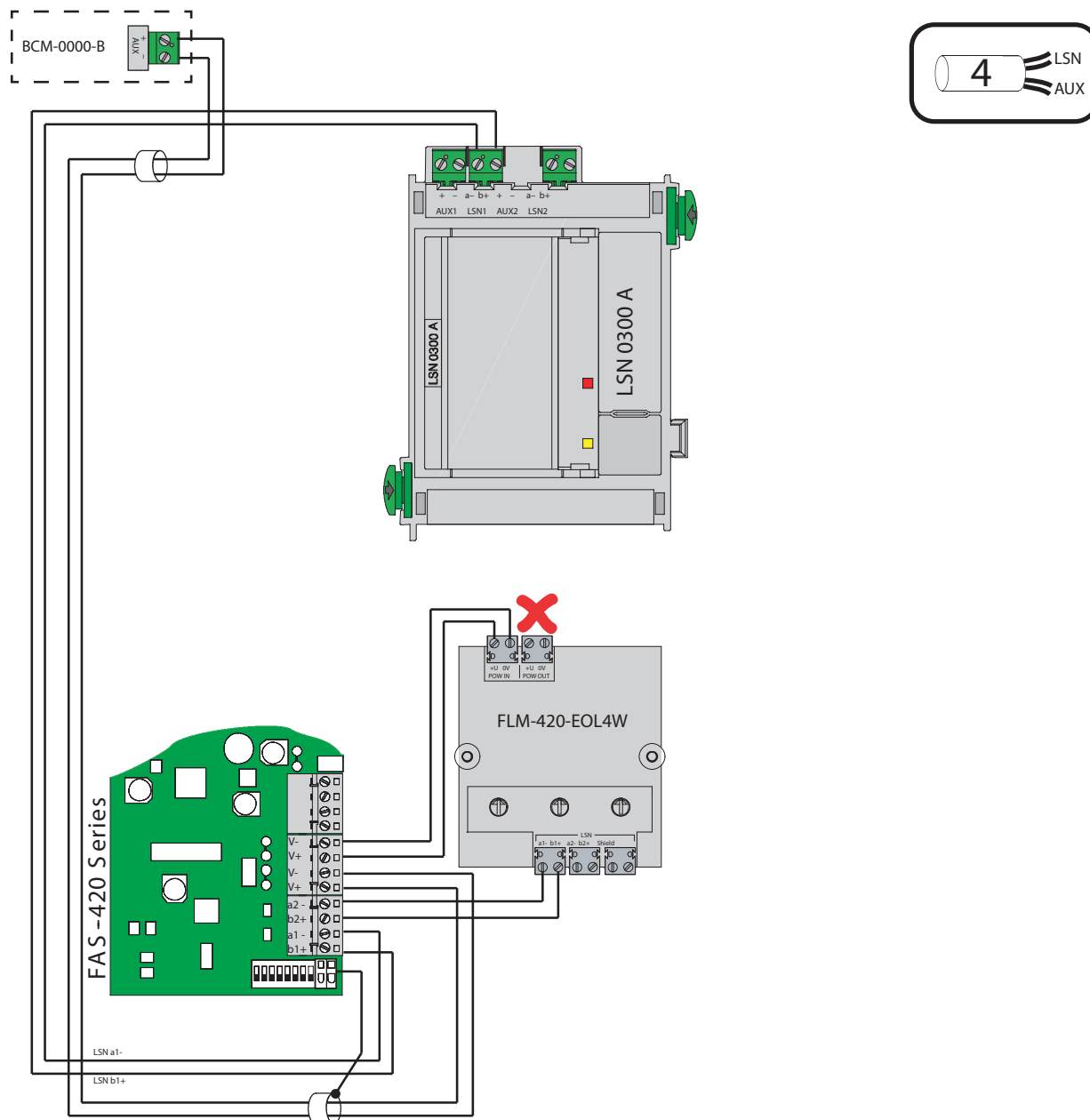


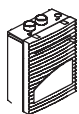
FAS-420 Series



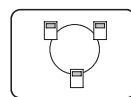
ELS

VdS 2489



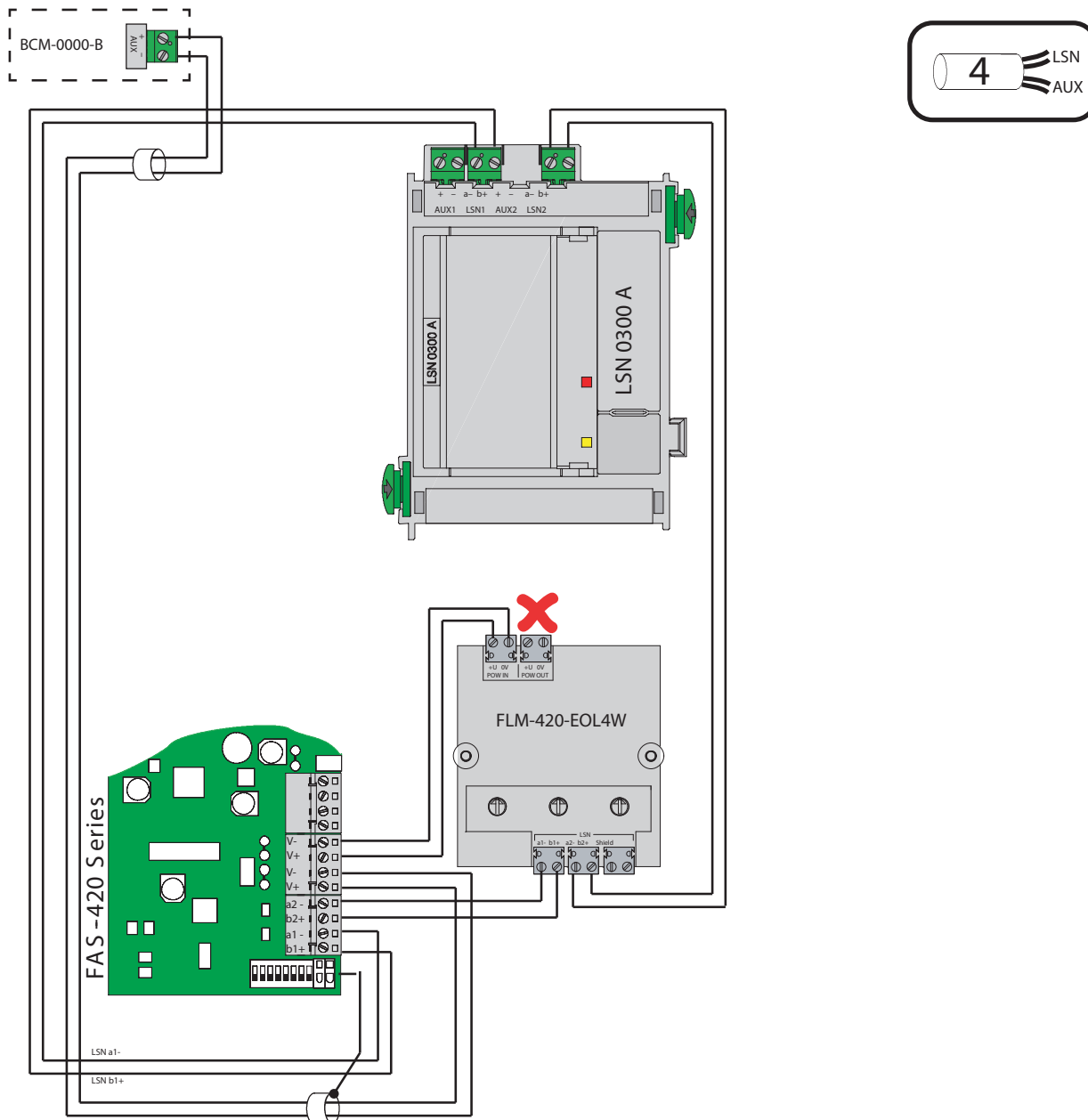


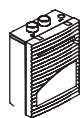
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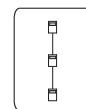
ELS

VdS 2489

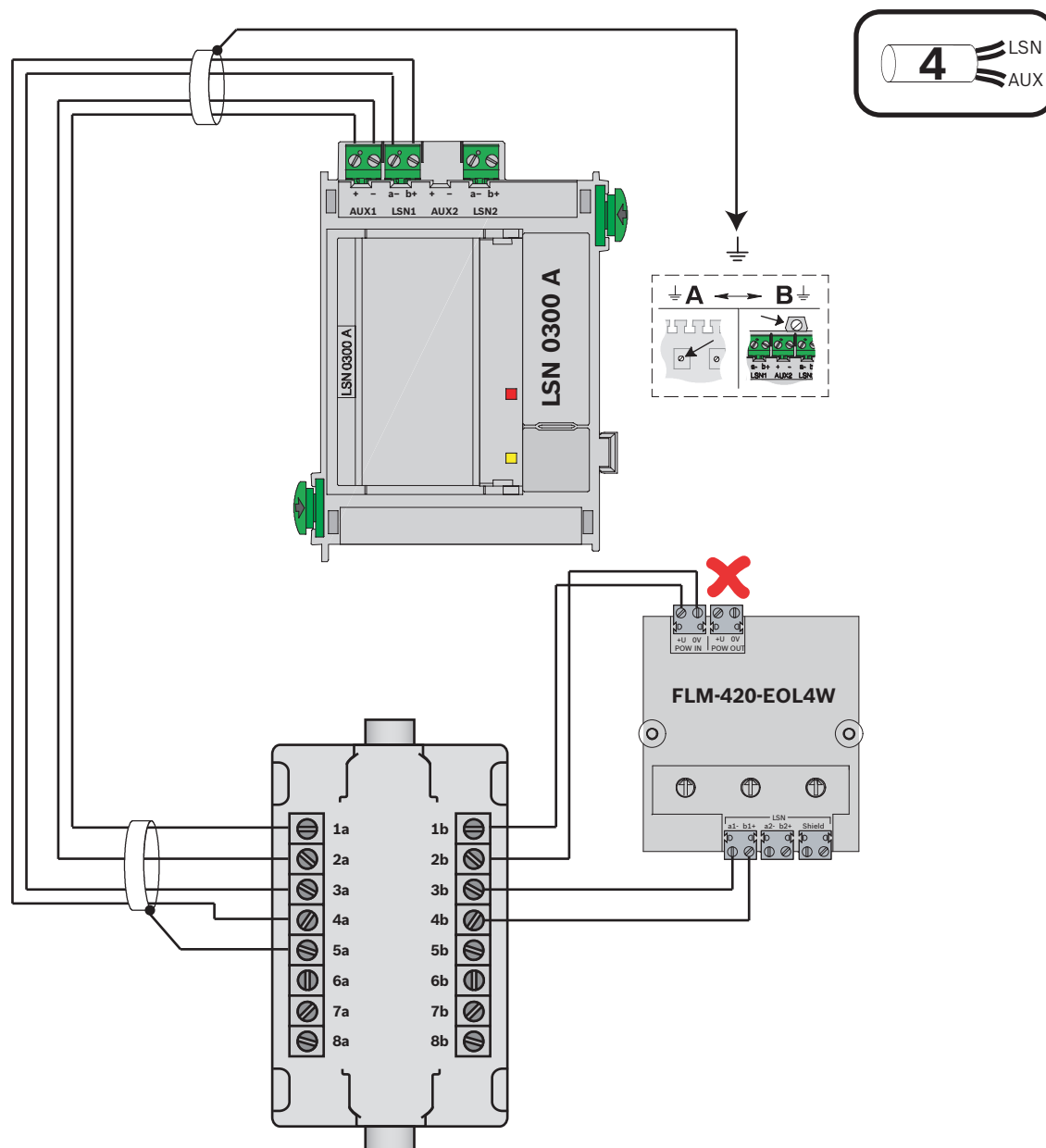


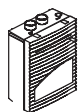


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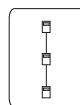


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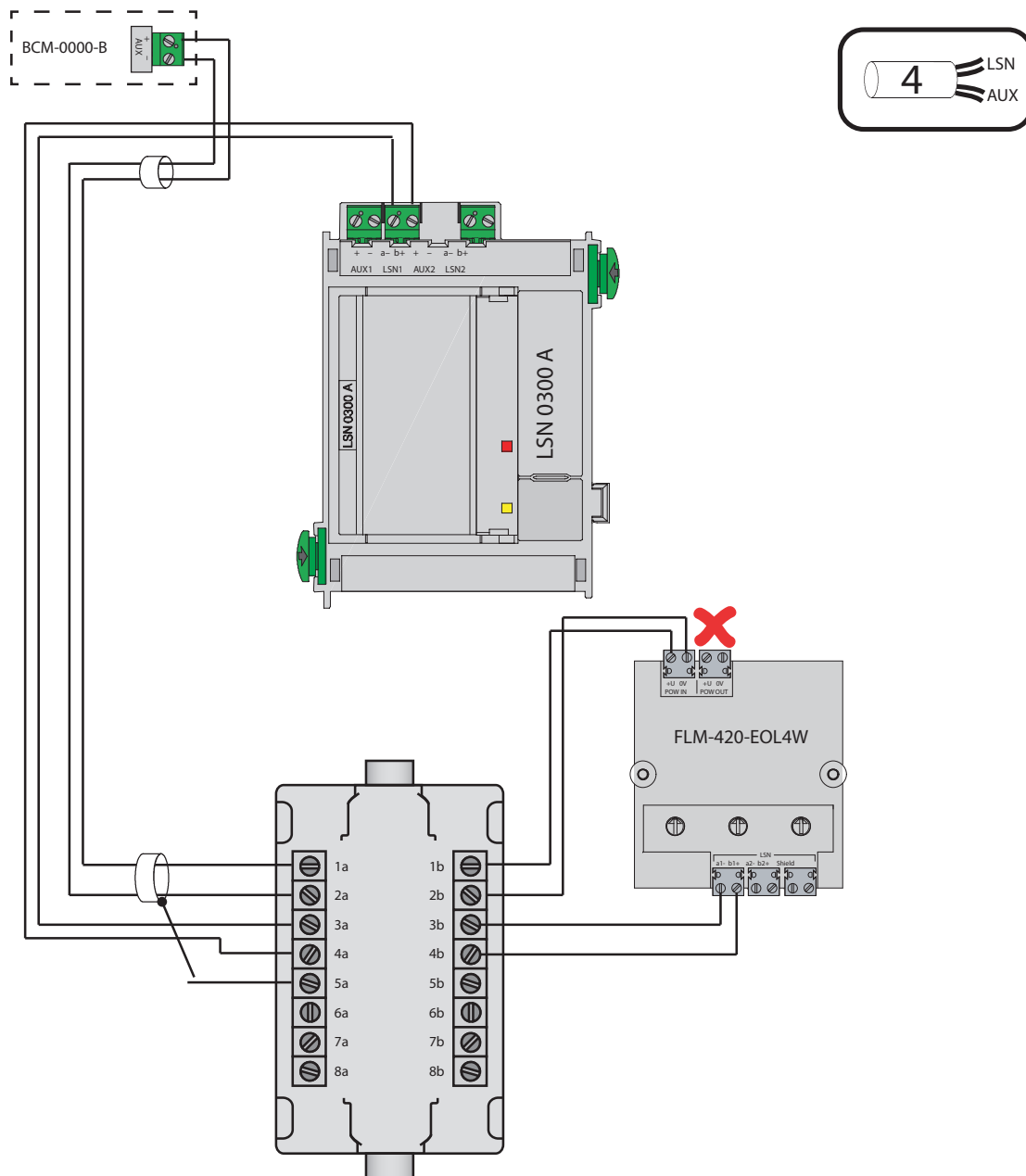


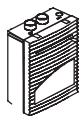


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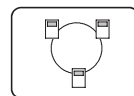


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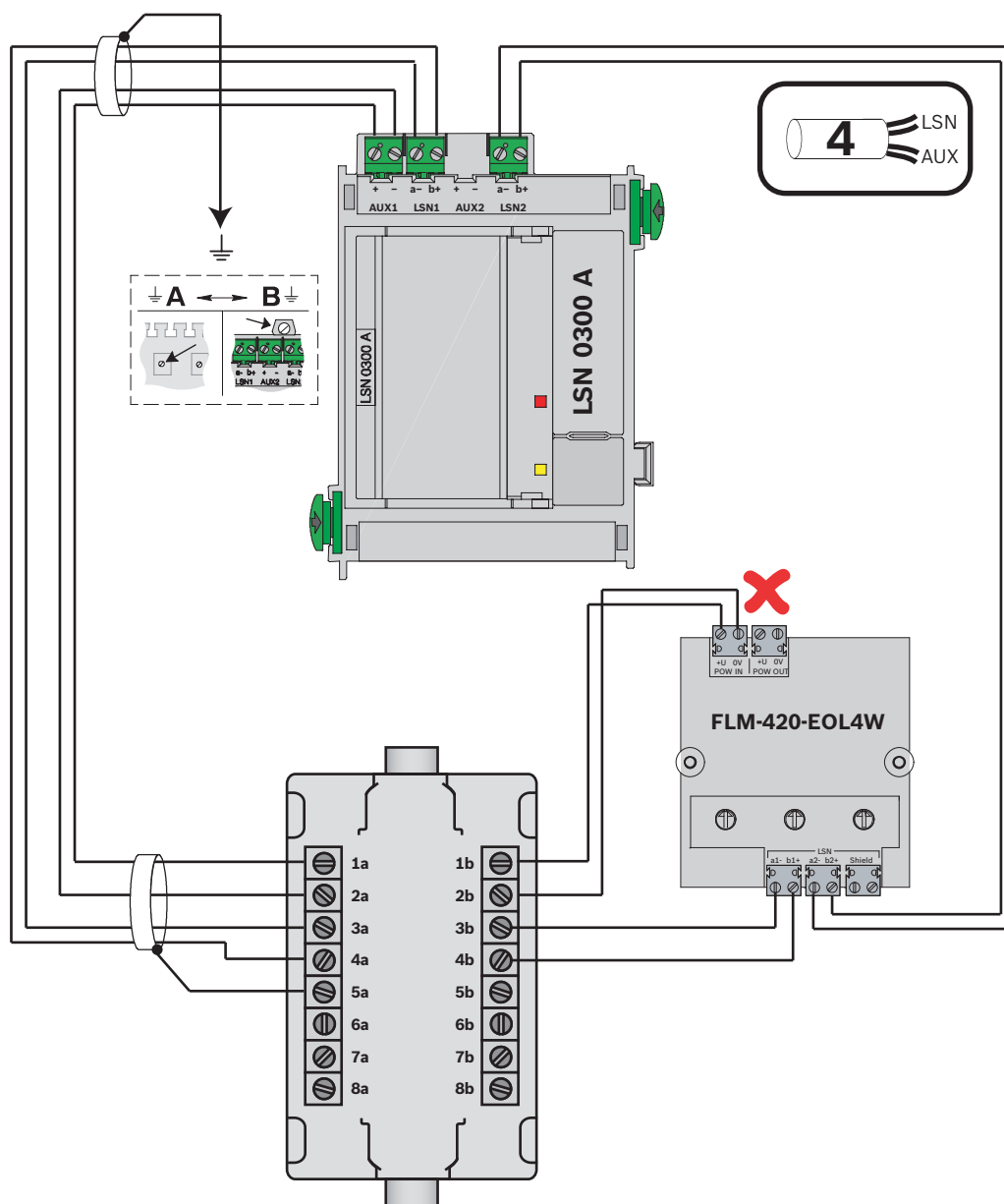


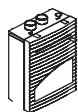


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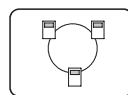


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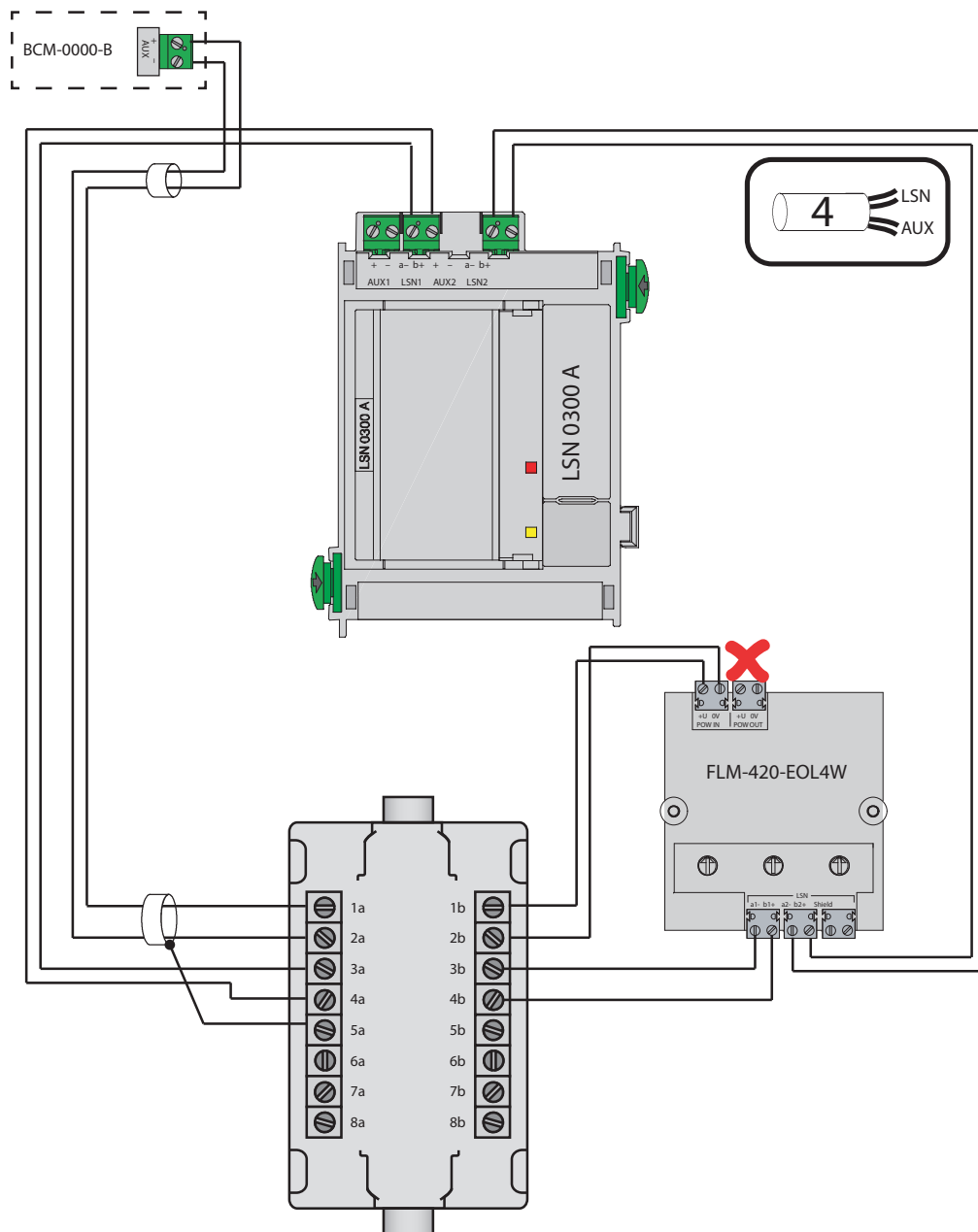




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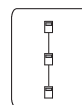


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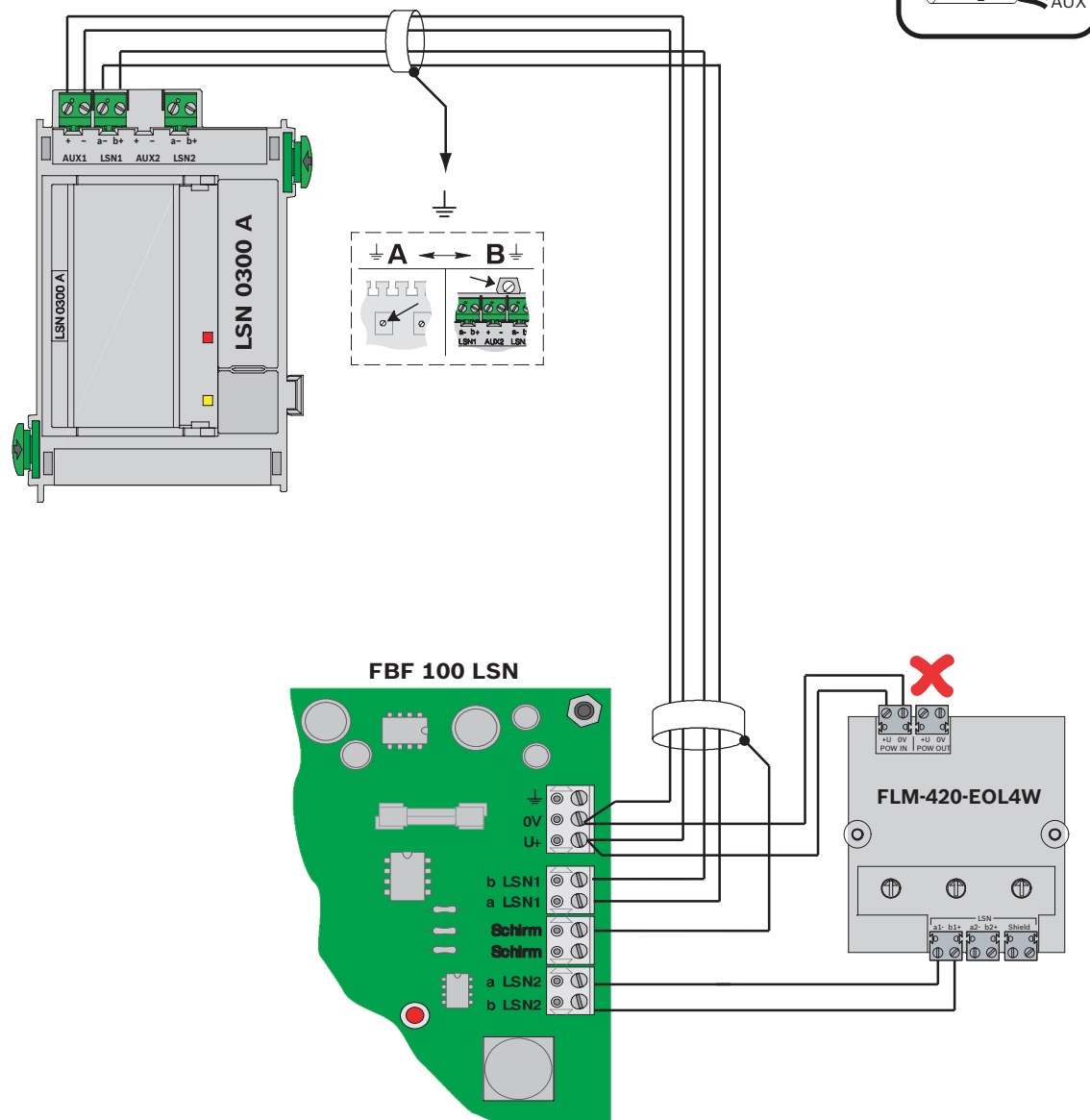




FBF 100 LSN

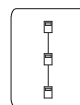


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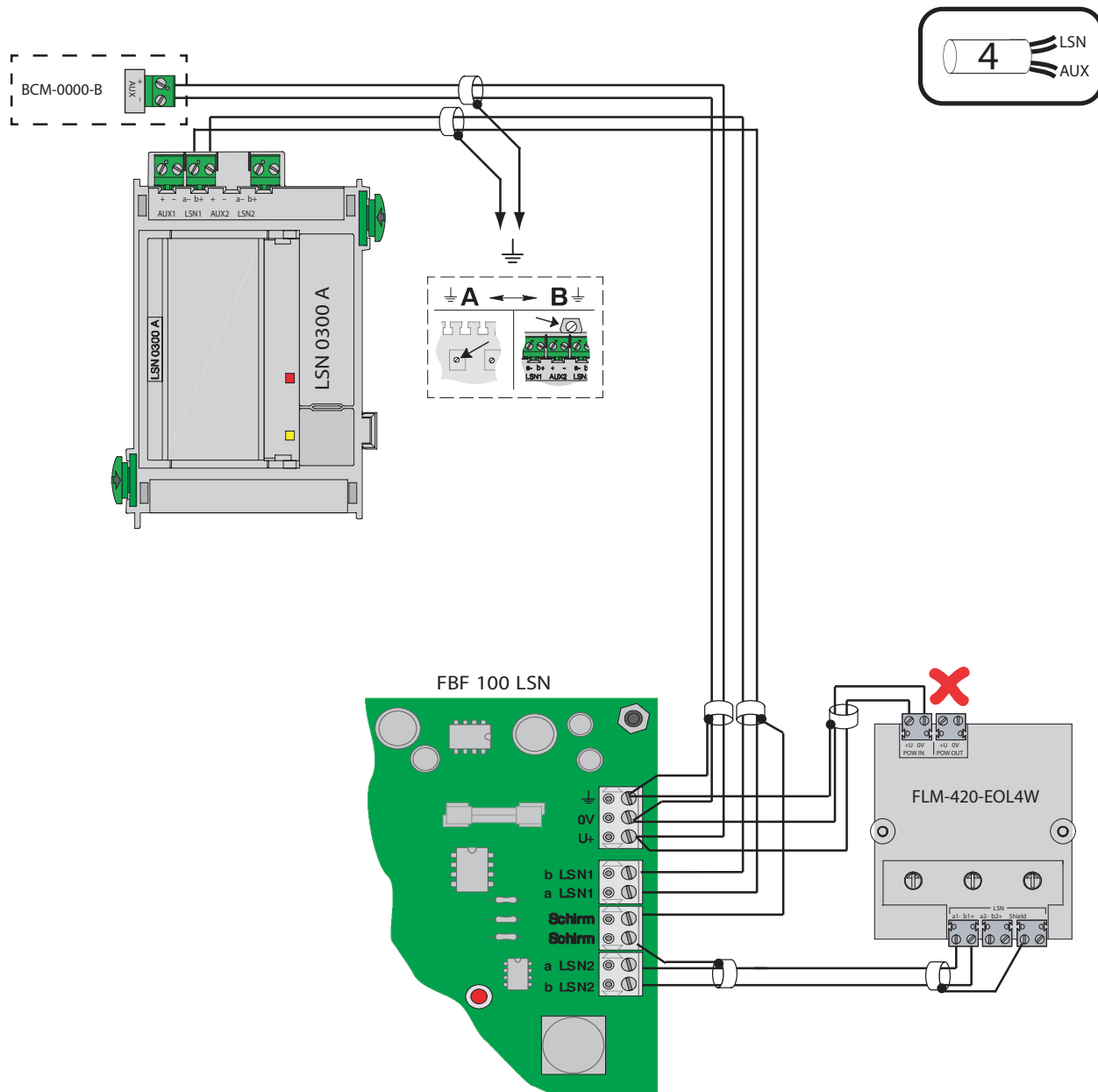




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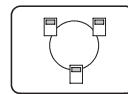


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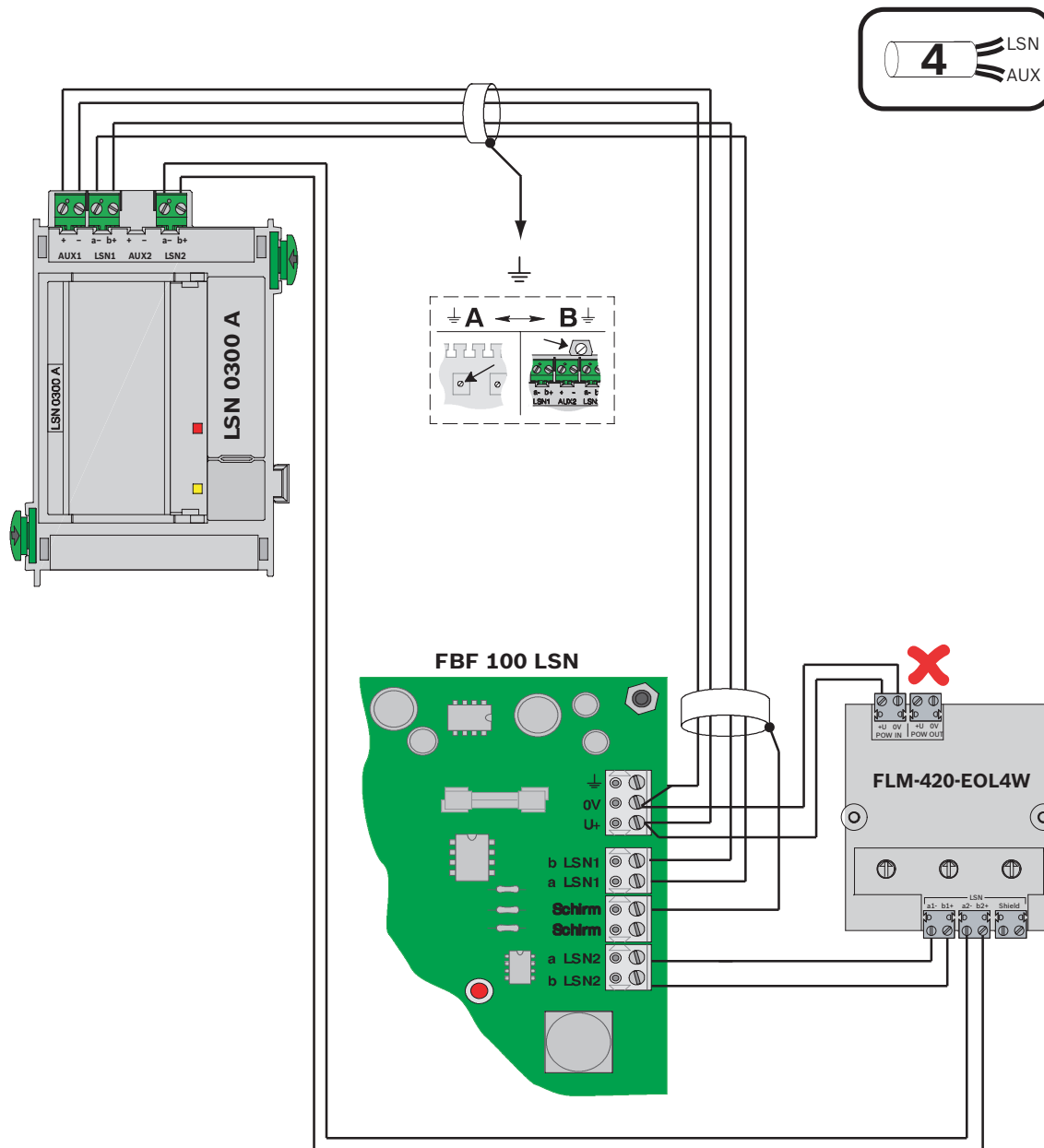




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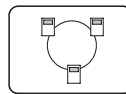


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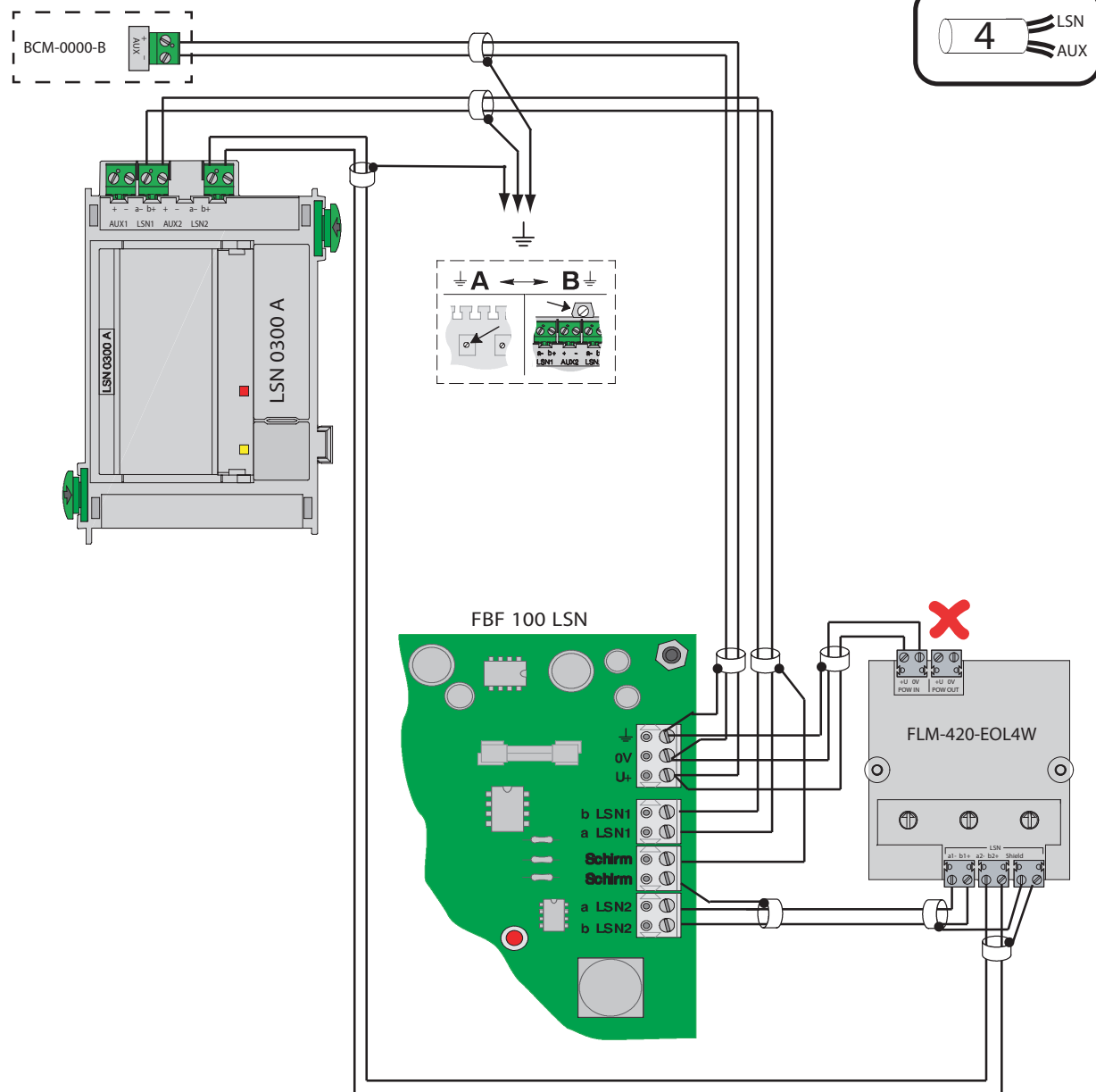


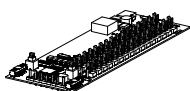


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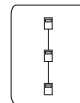


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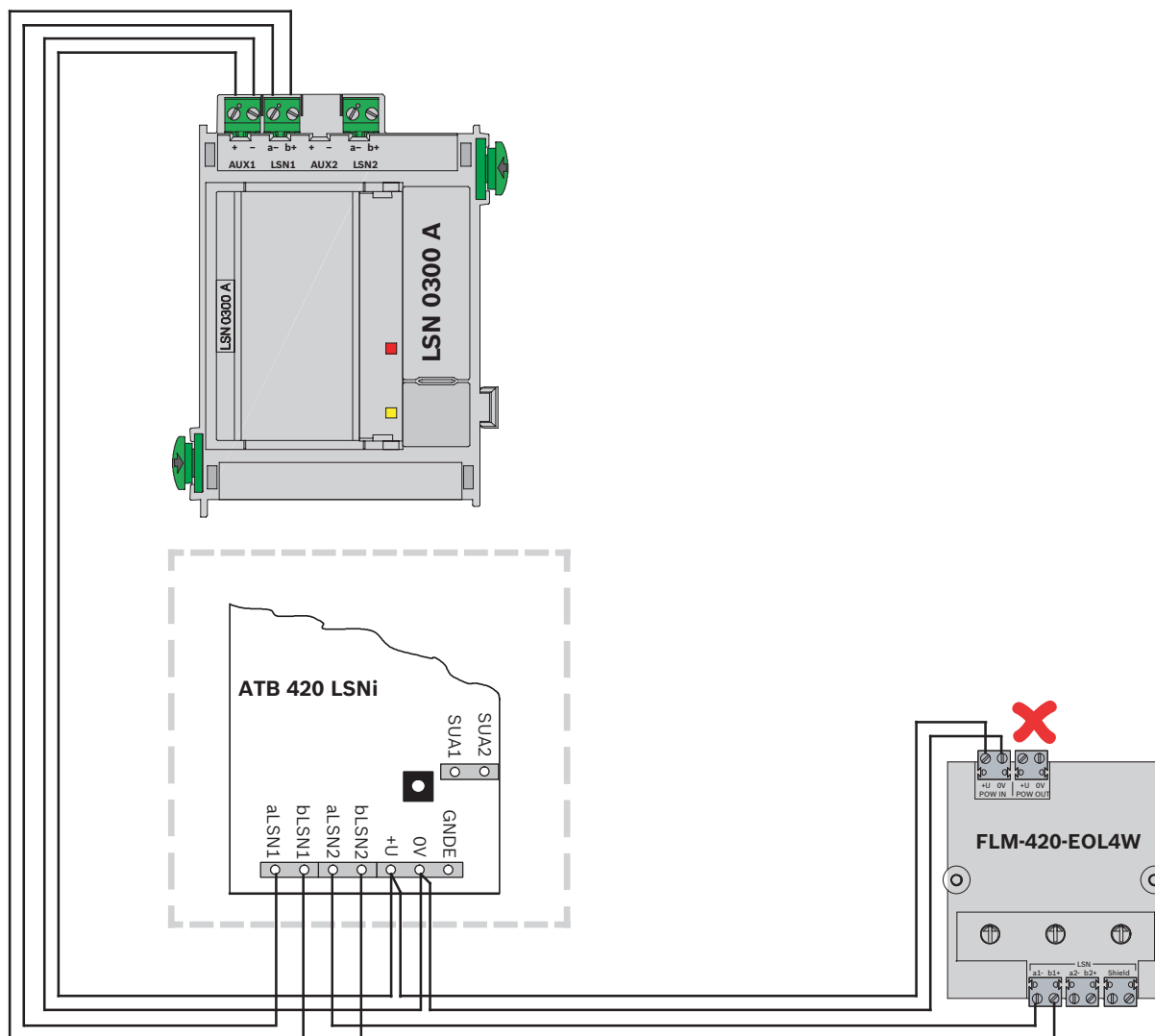
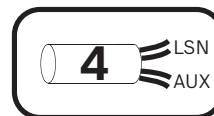


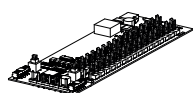


ATB 420 LSNi

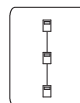


ELS VdS 2489

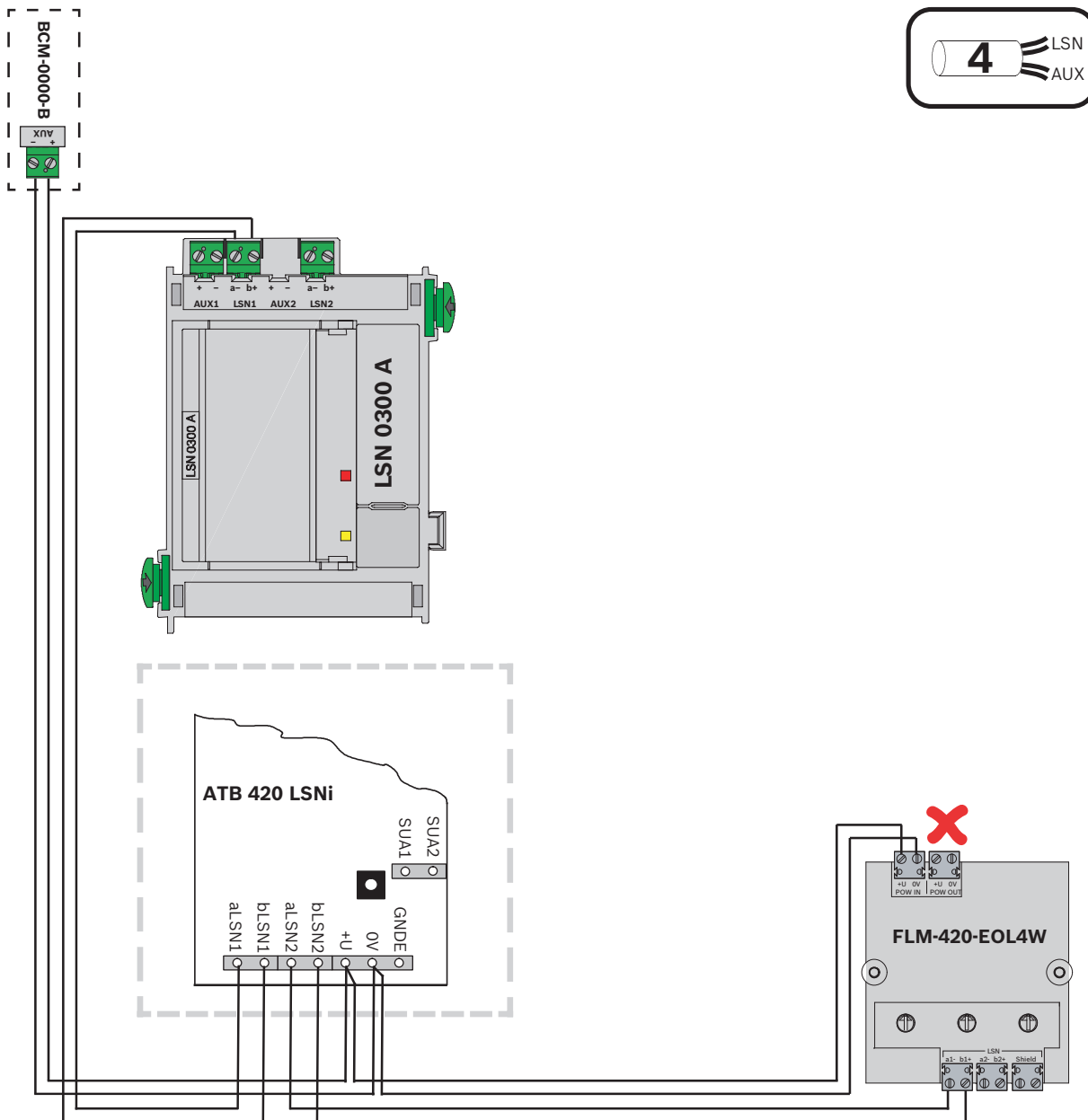


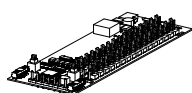


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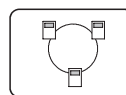


ELS VdS 2489

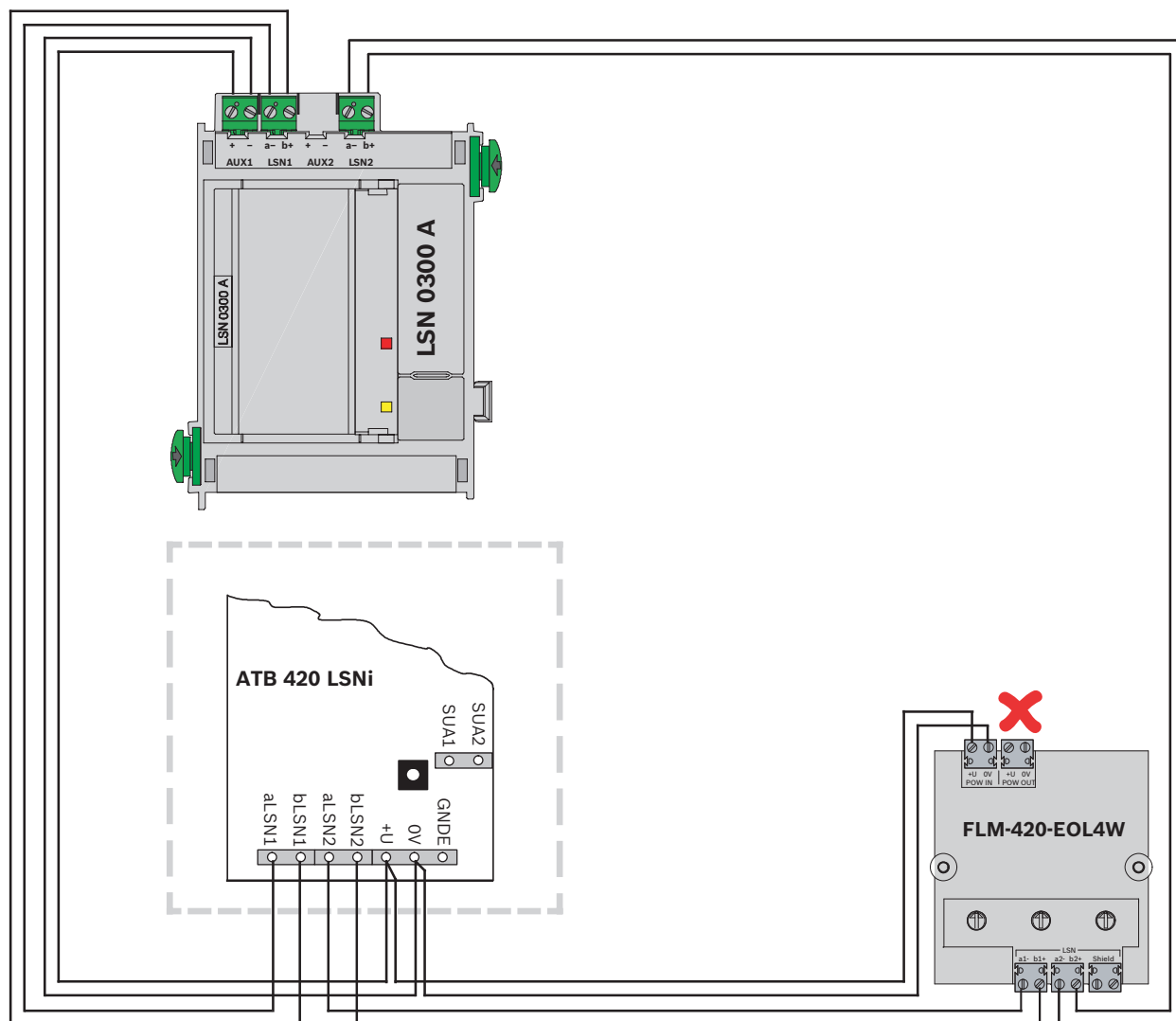
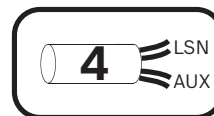


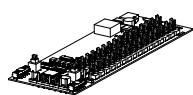


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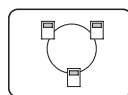


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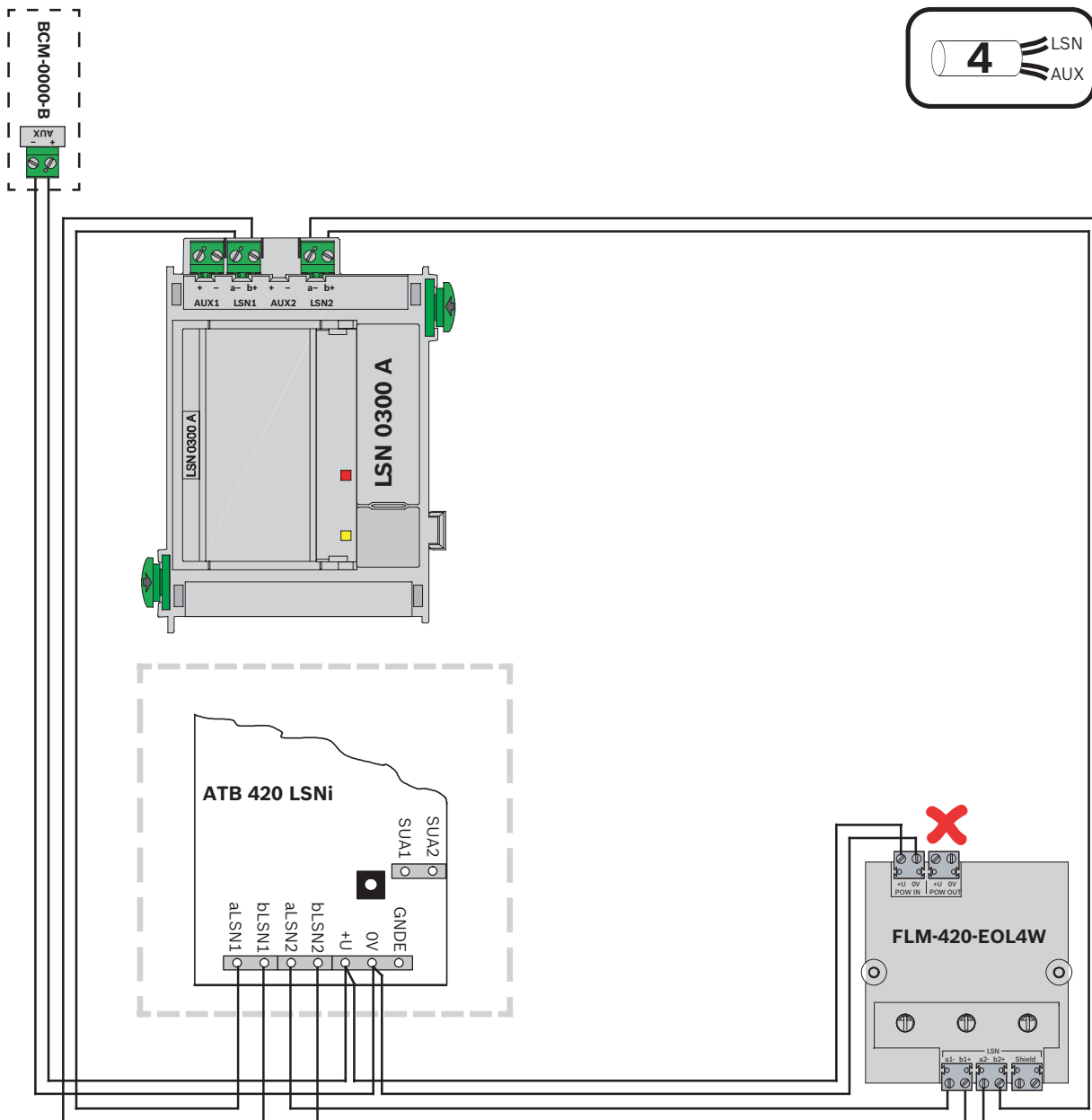




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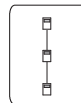


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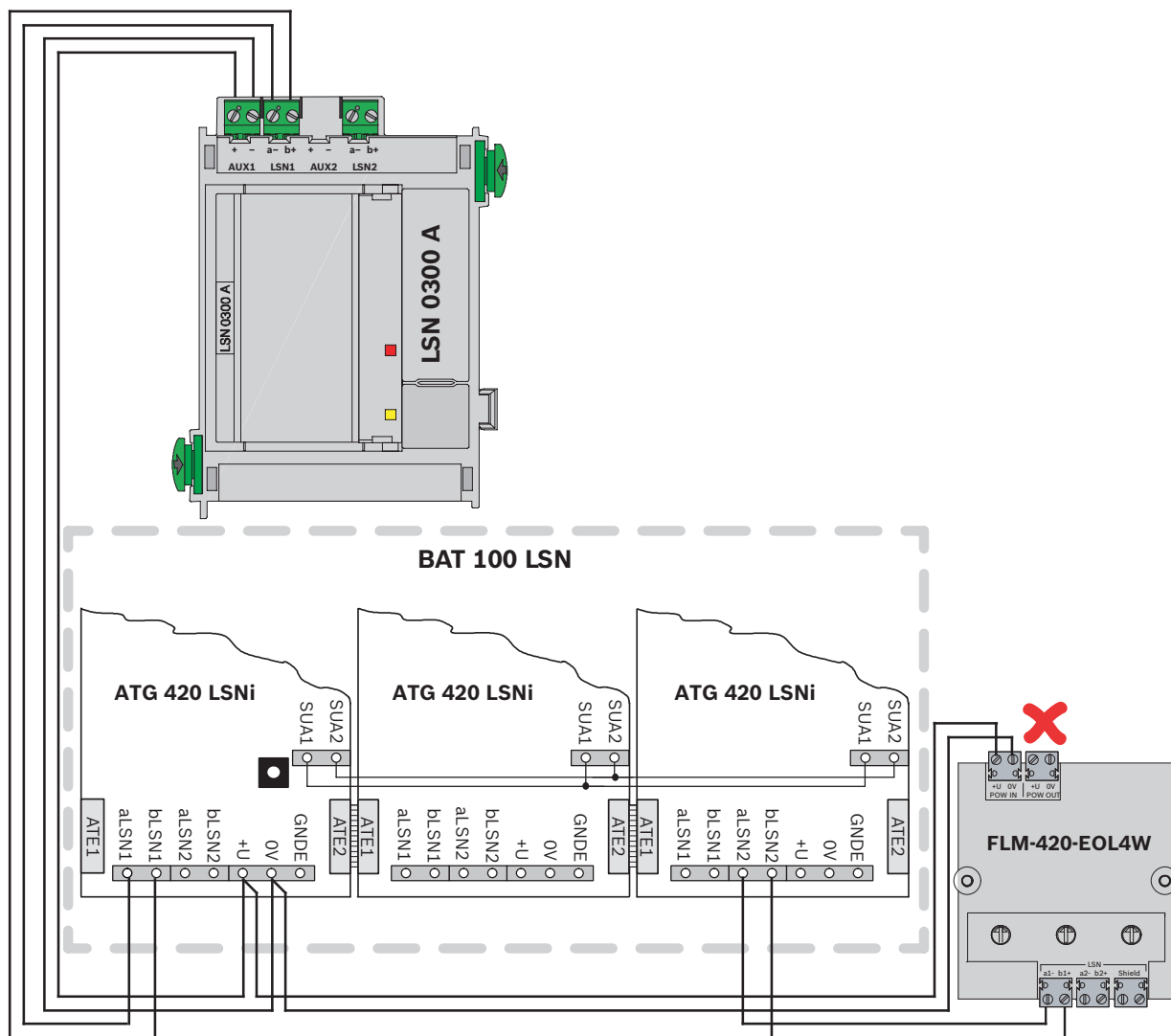


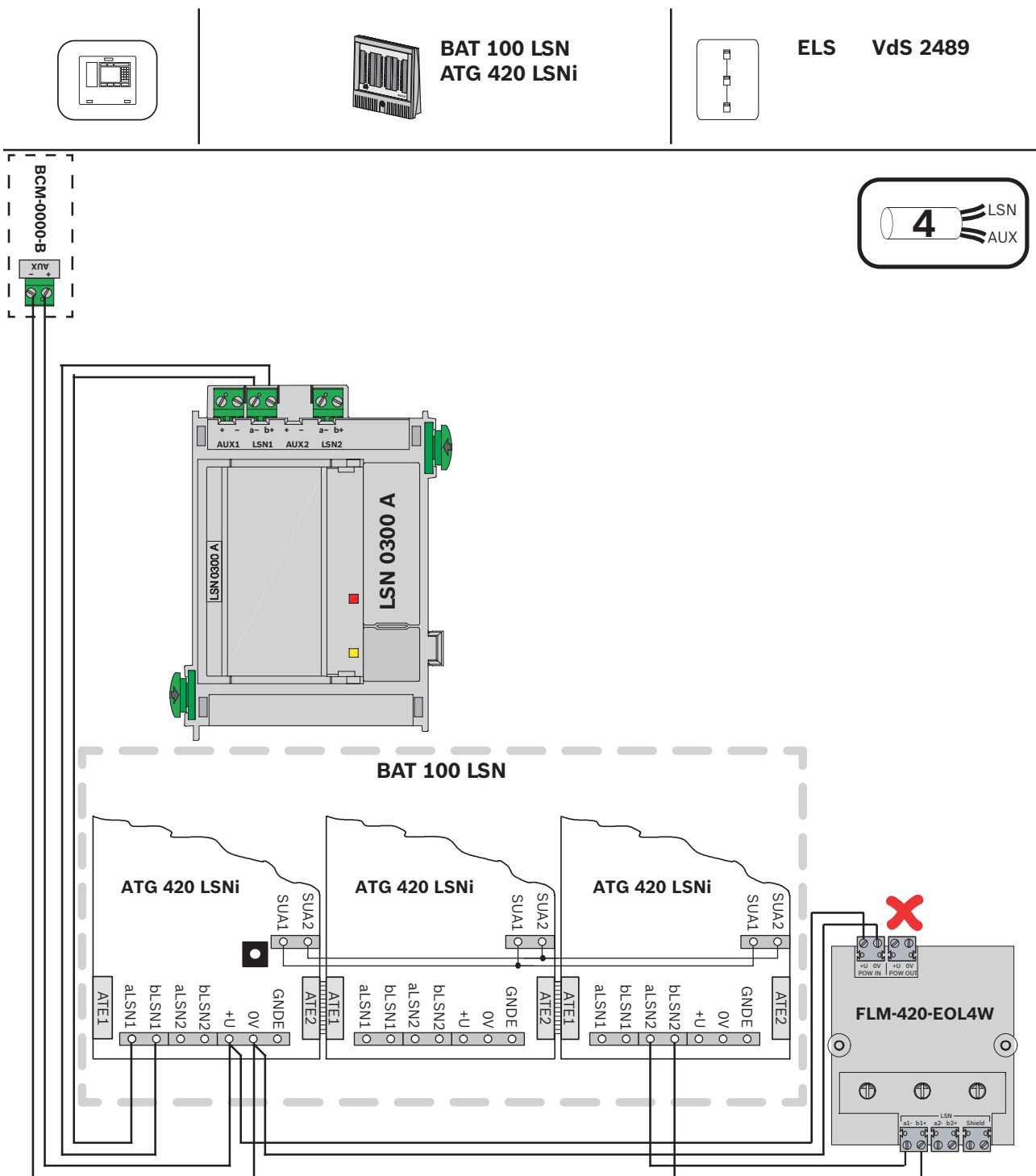


BAT 100 LSN
ATG 420 LSNi



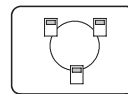
ELS VdS 2489



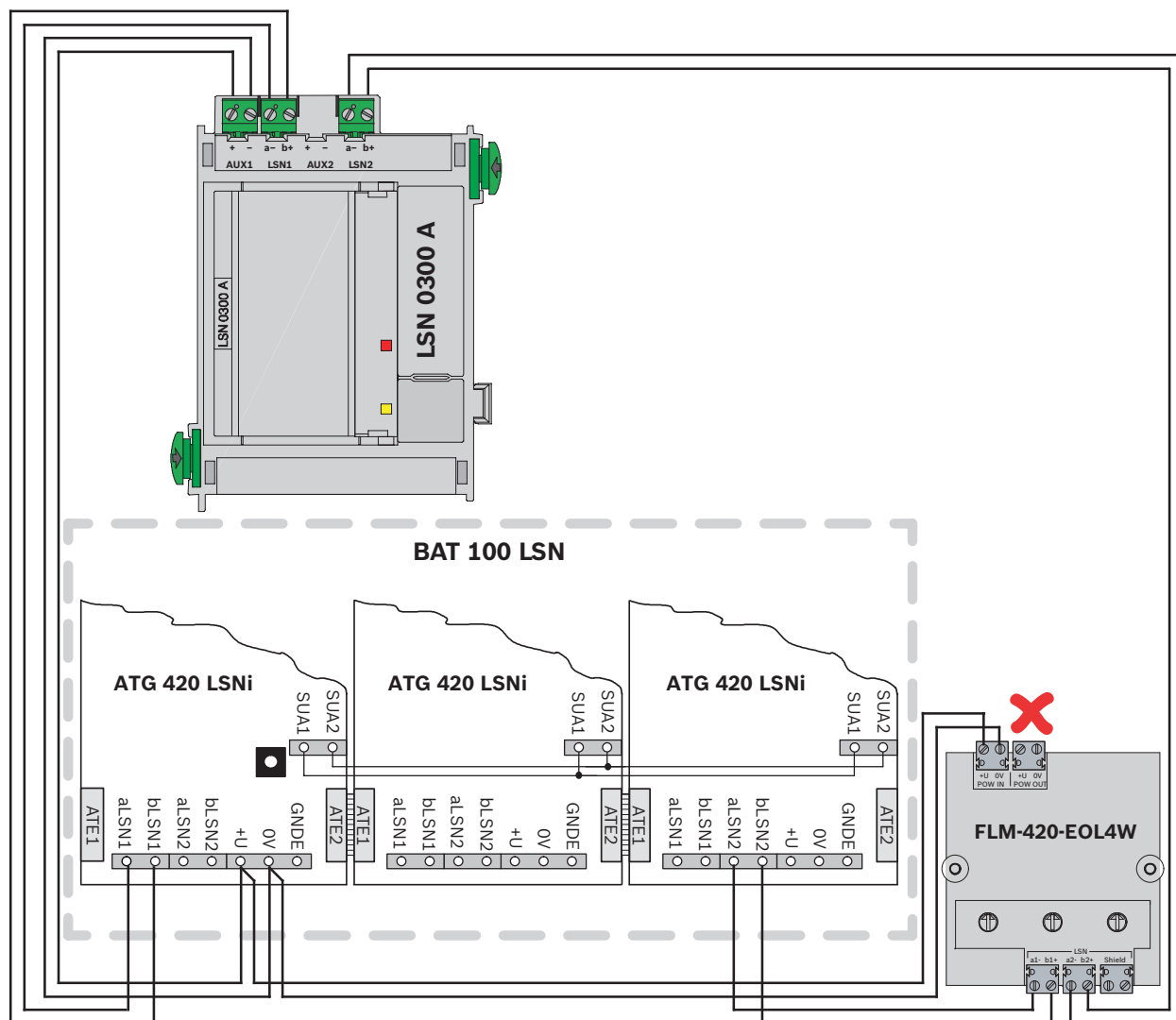




BAT 100 LSN
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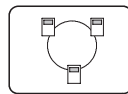


ELS VdS 2489

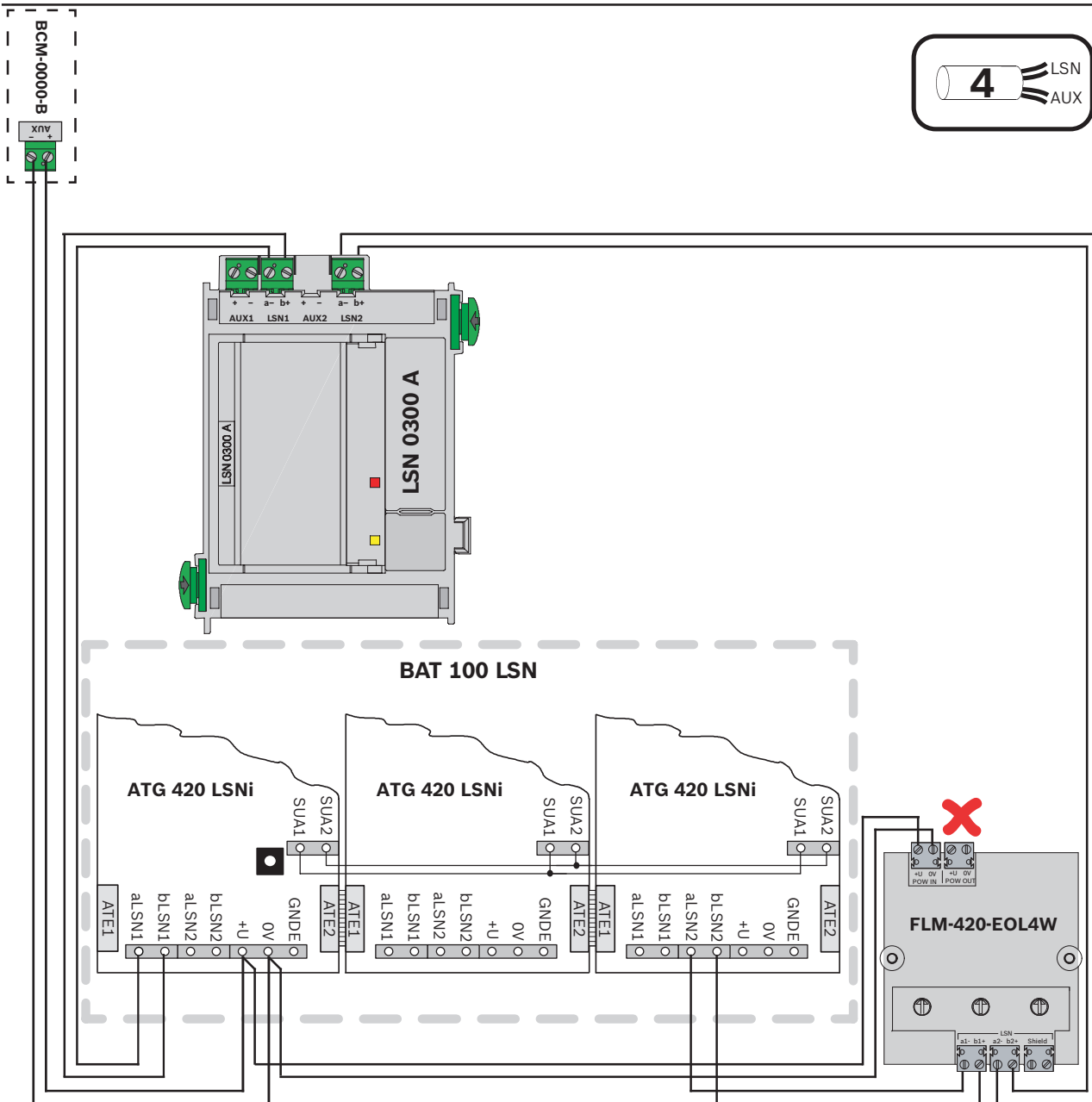
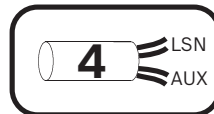


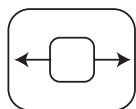


BAT 100 LSN
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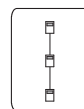


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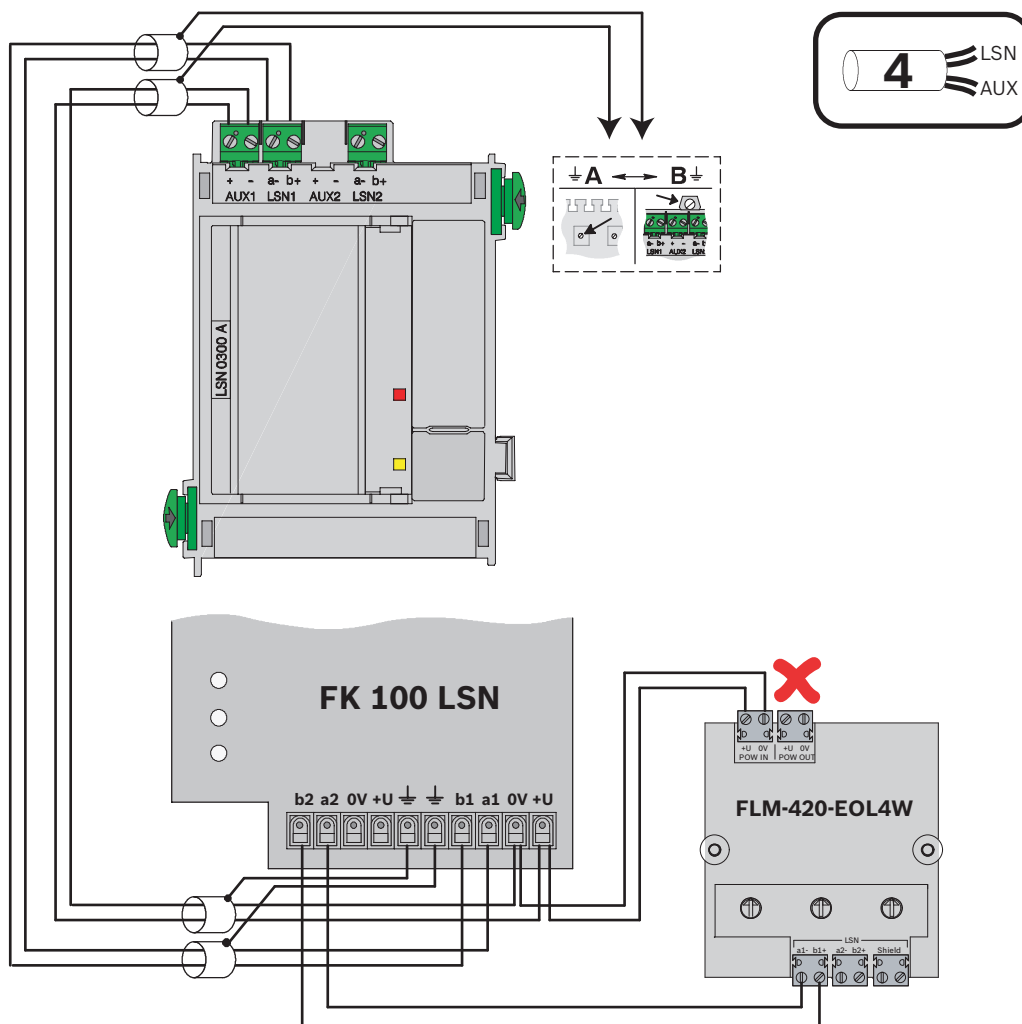
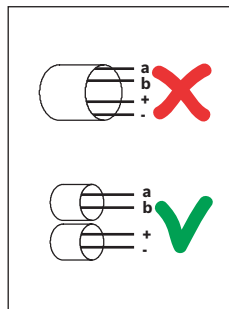


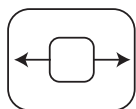


FK 100 LSN

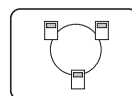


ELS VdS 2489

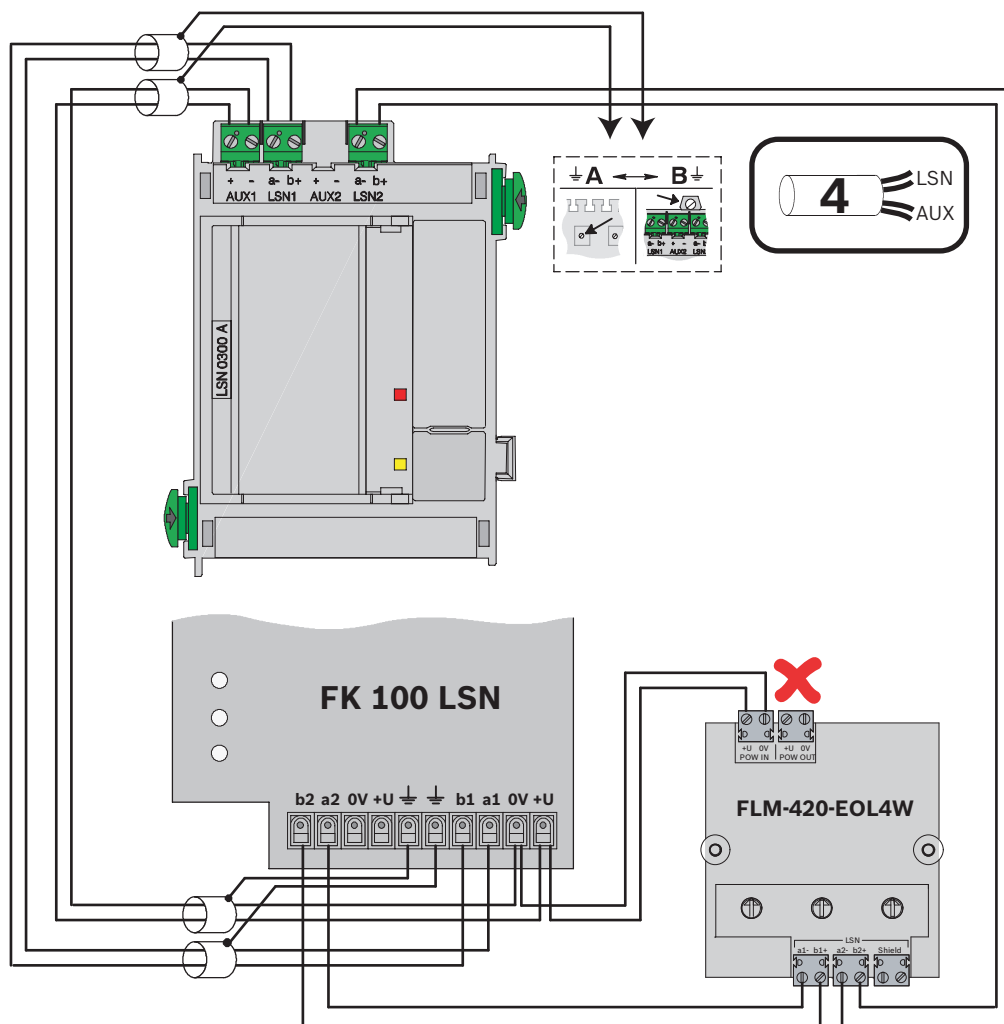
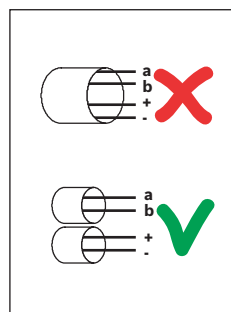




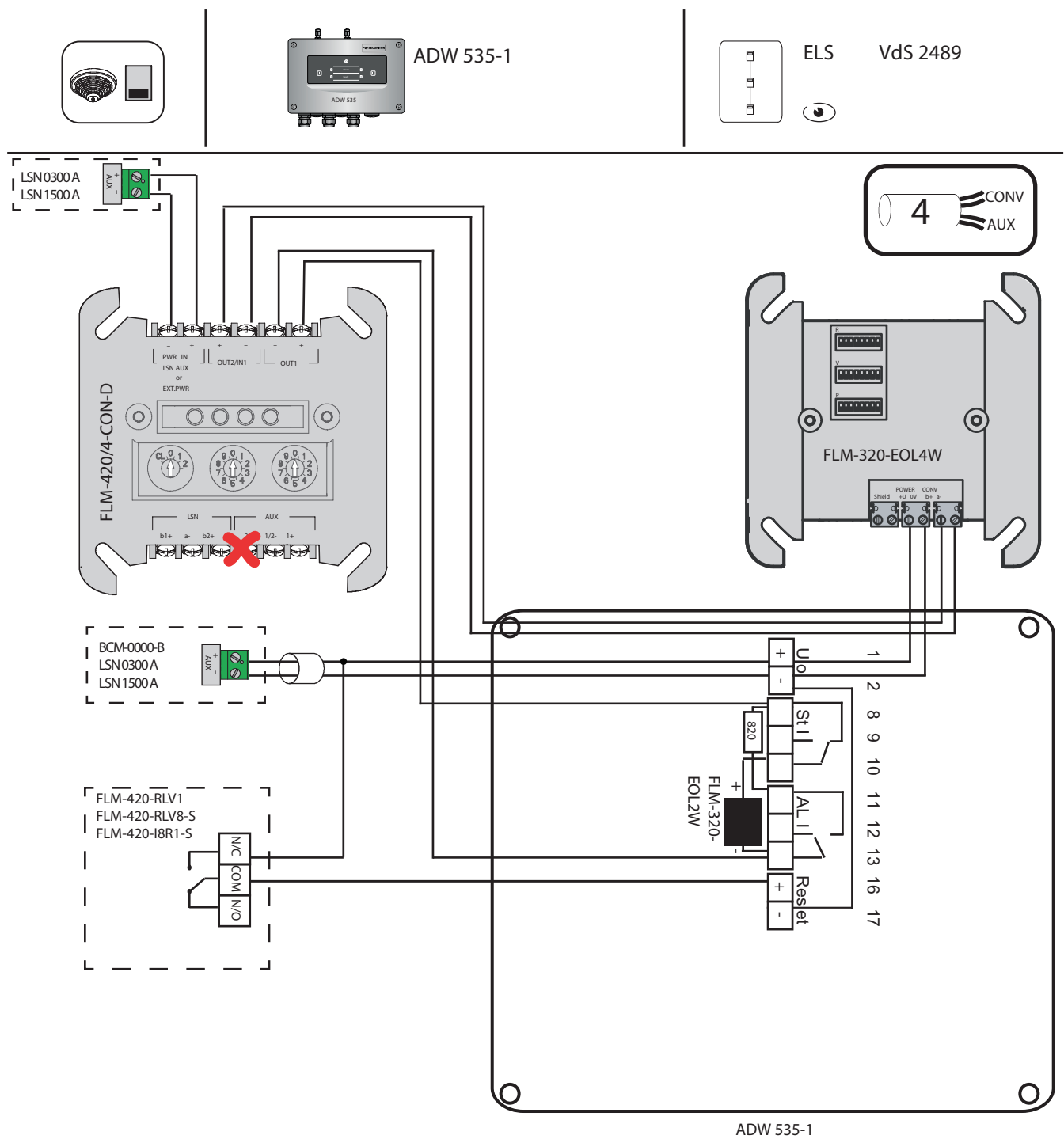
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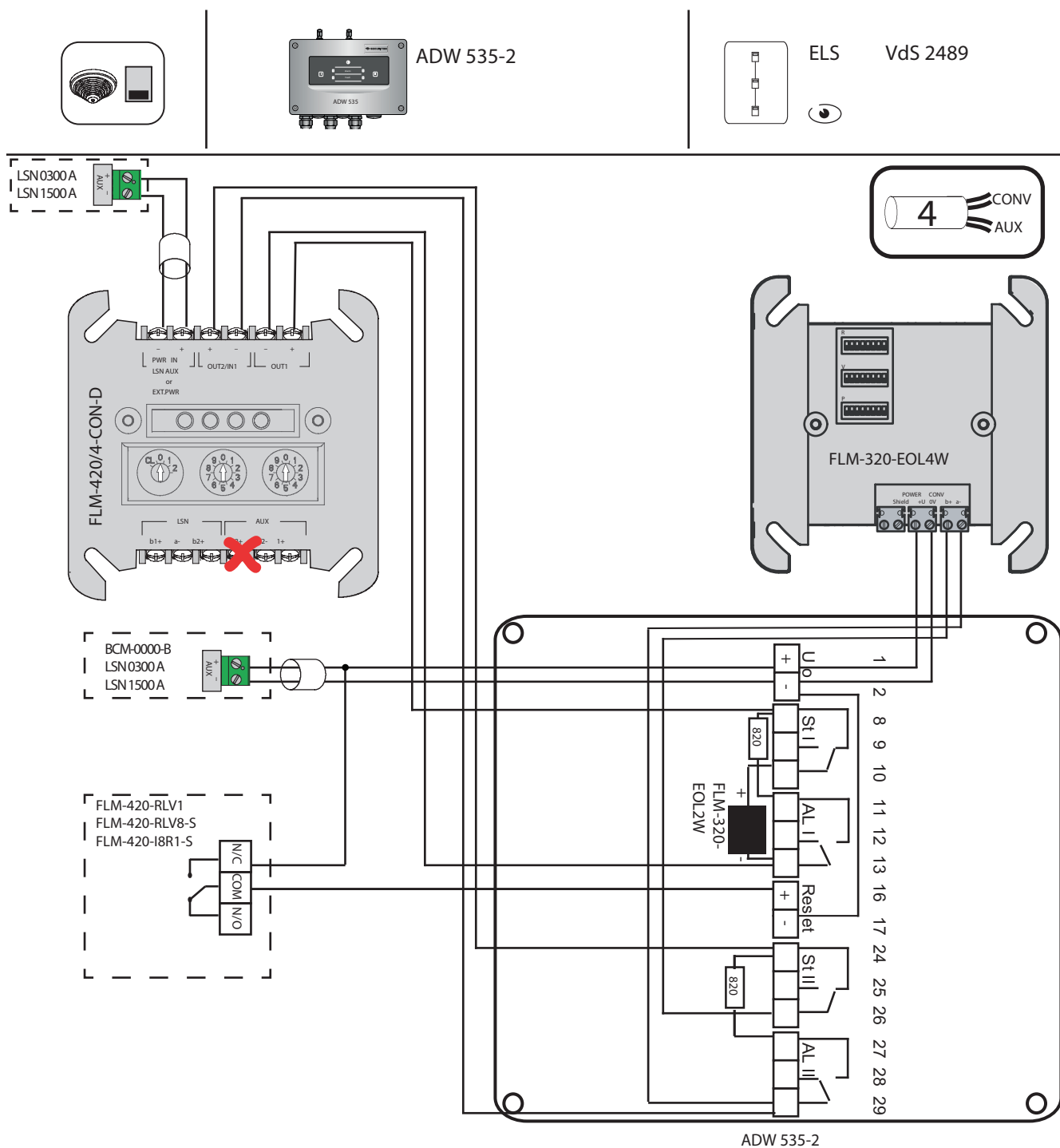


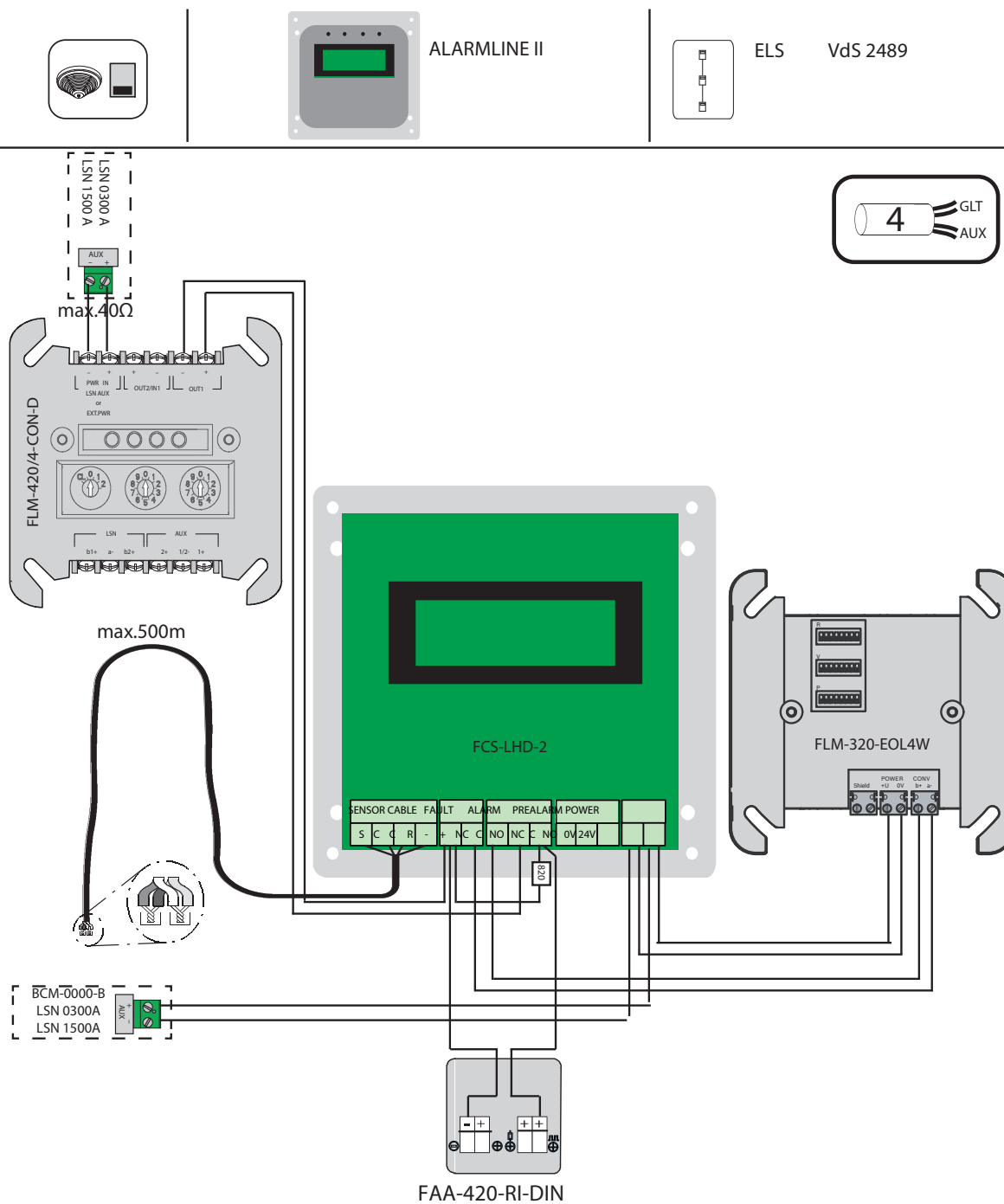
ELS VdS 2489

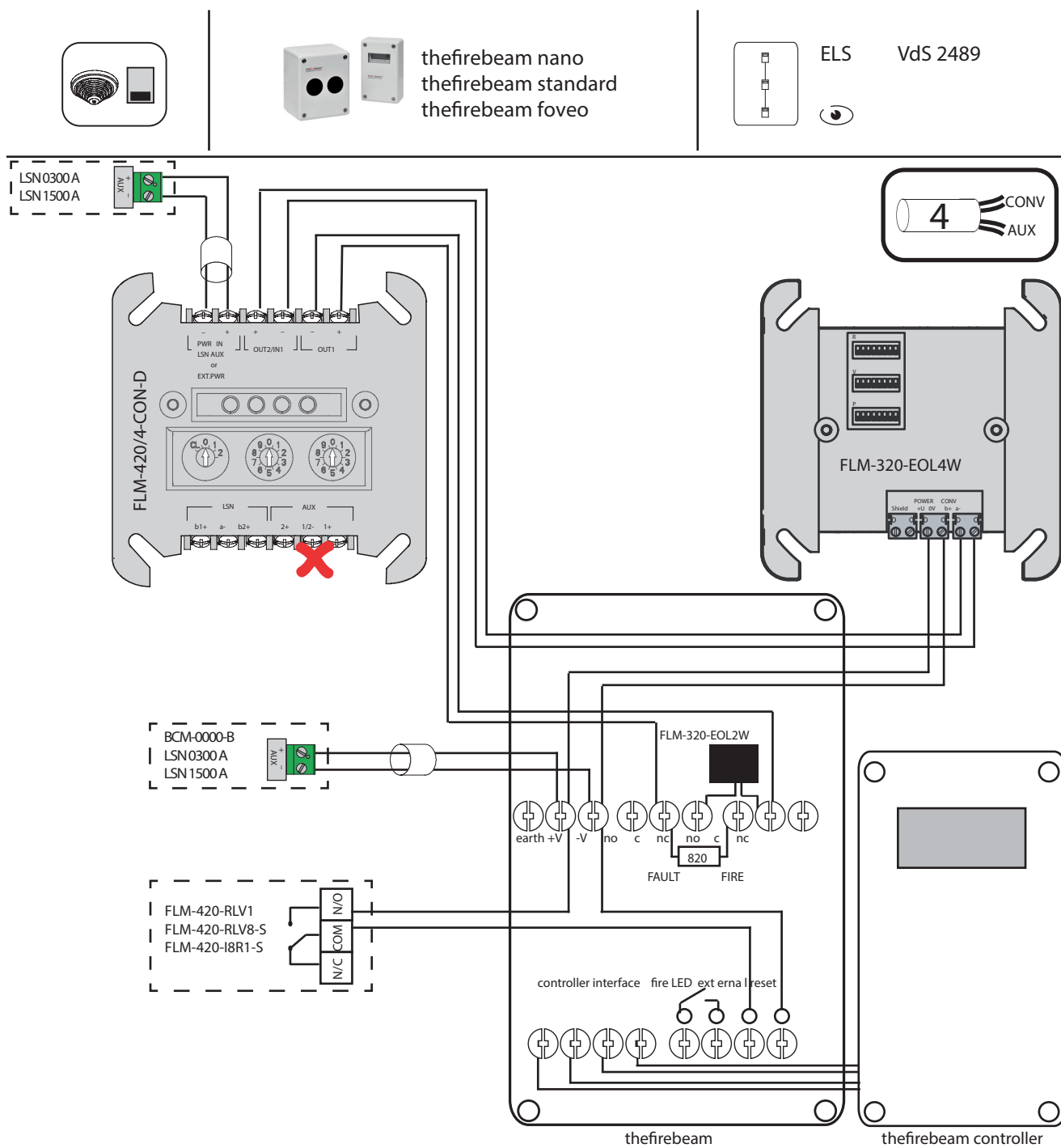


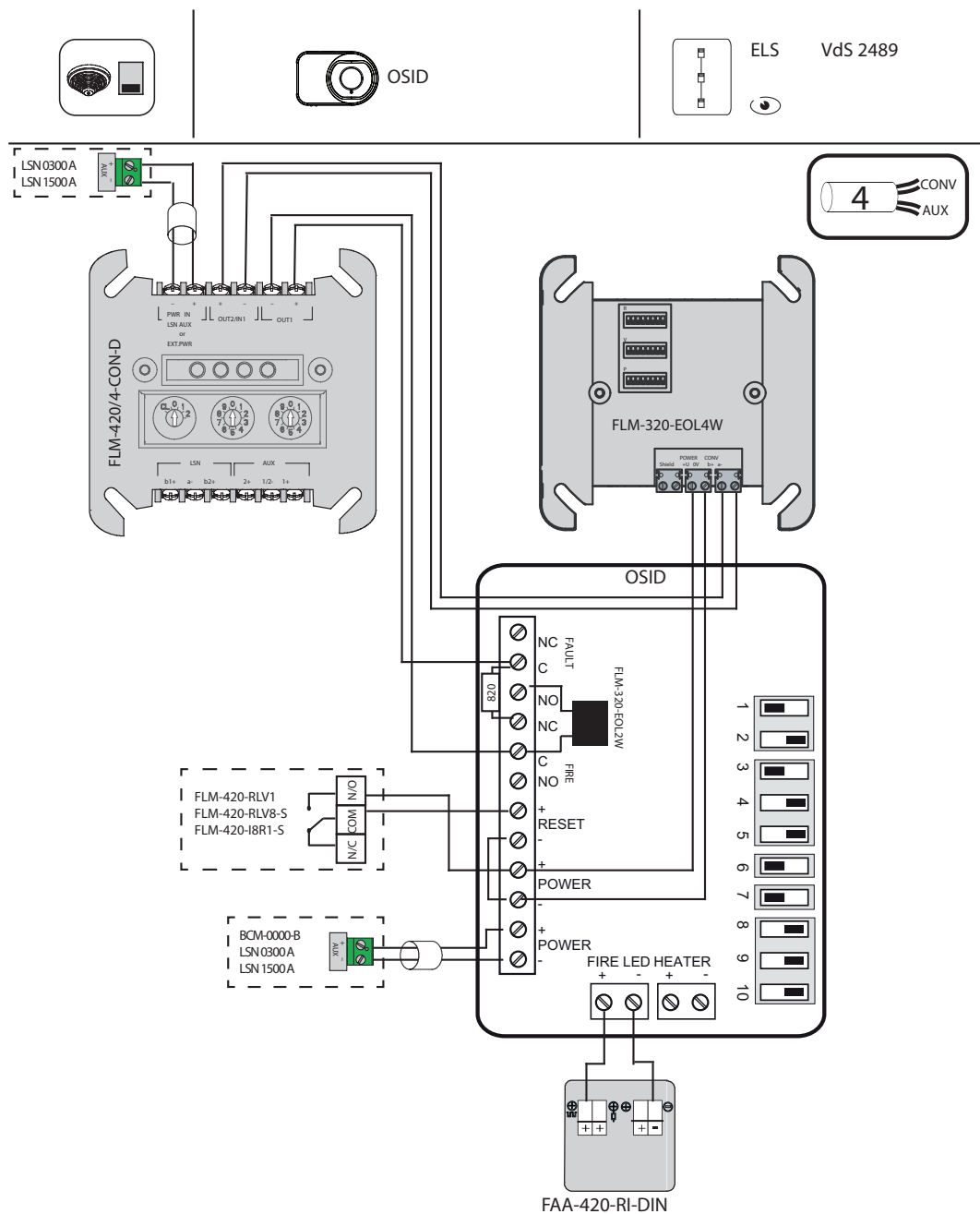
3.5.2 FLM-420/4-CON-S/D

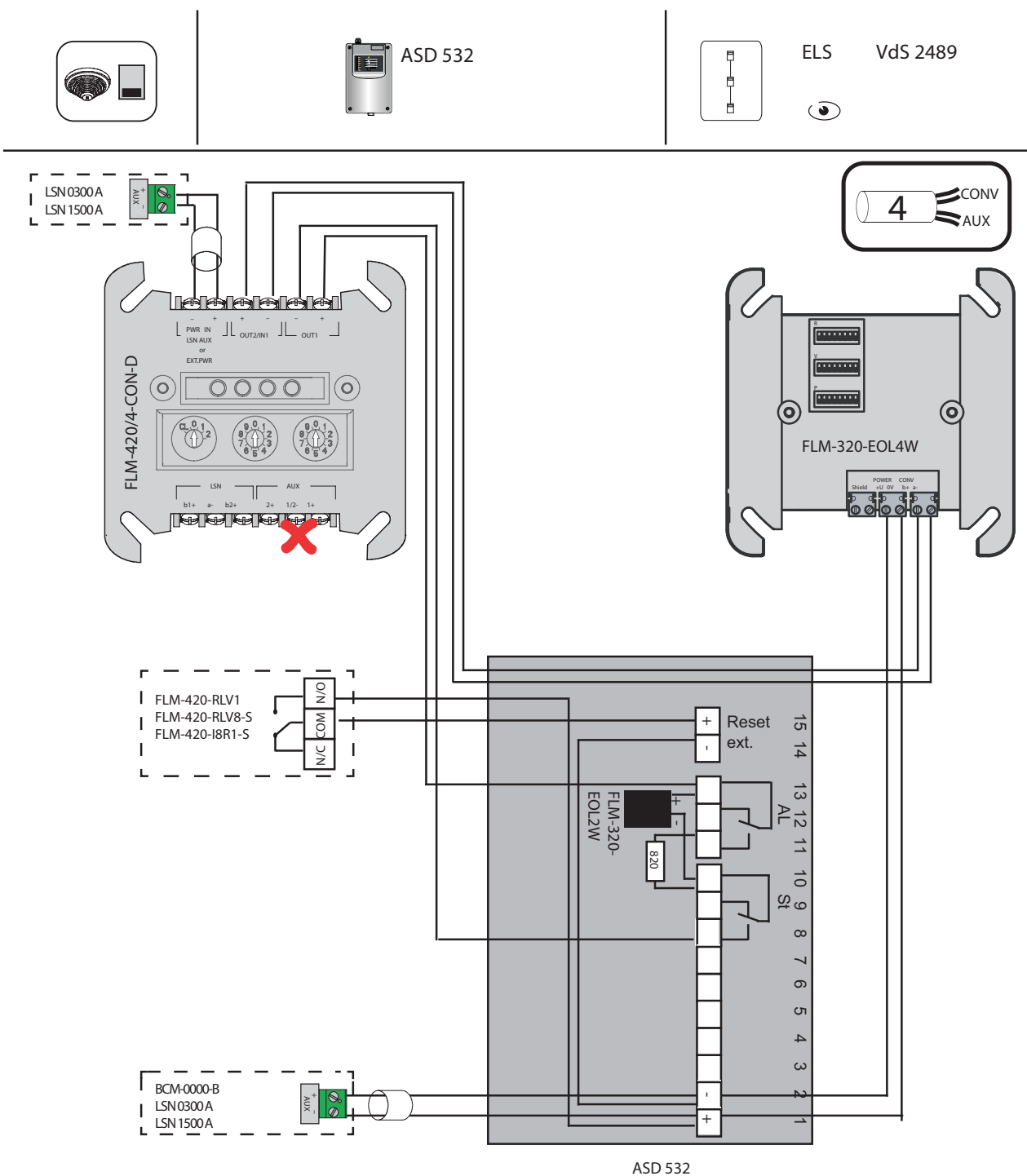






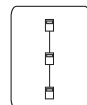






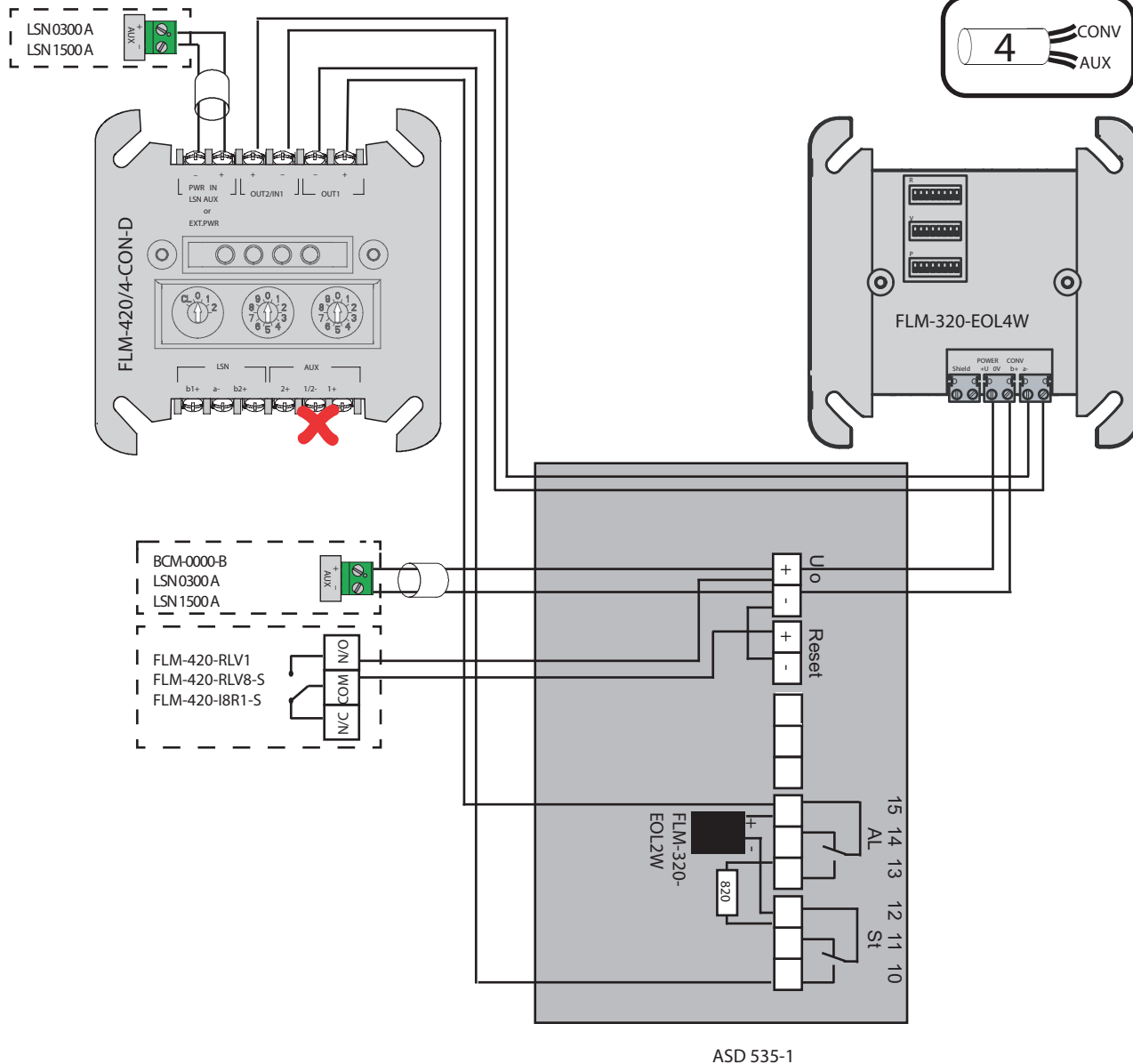


ASD 535-1



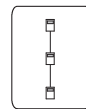
ELS

VdS 2489



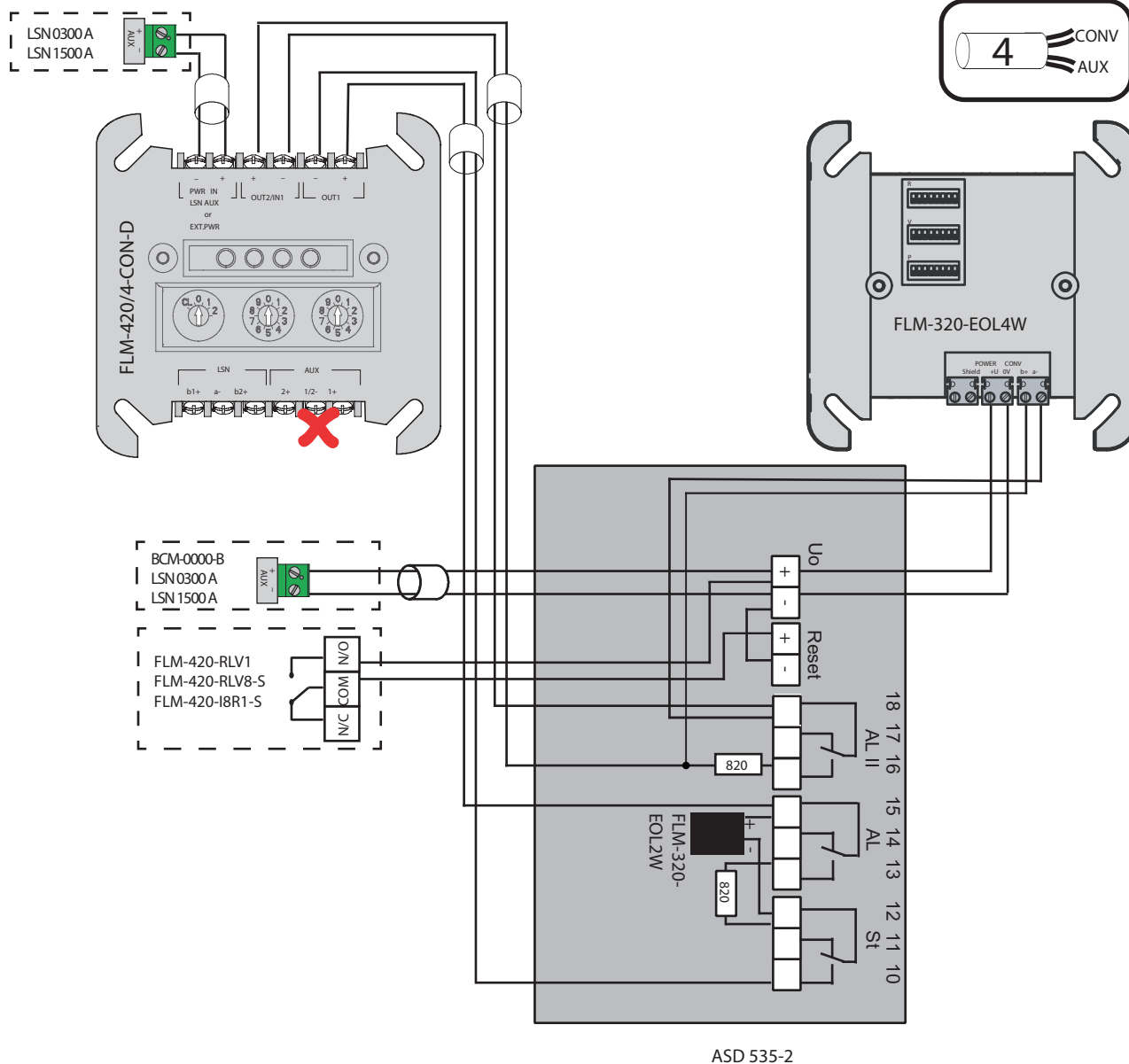


ASD 535-2



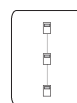
ELS

VdS 2489

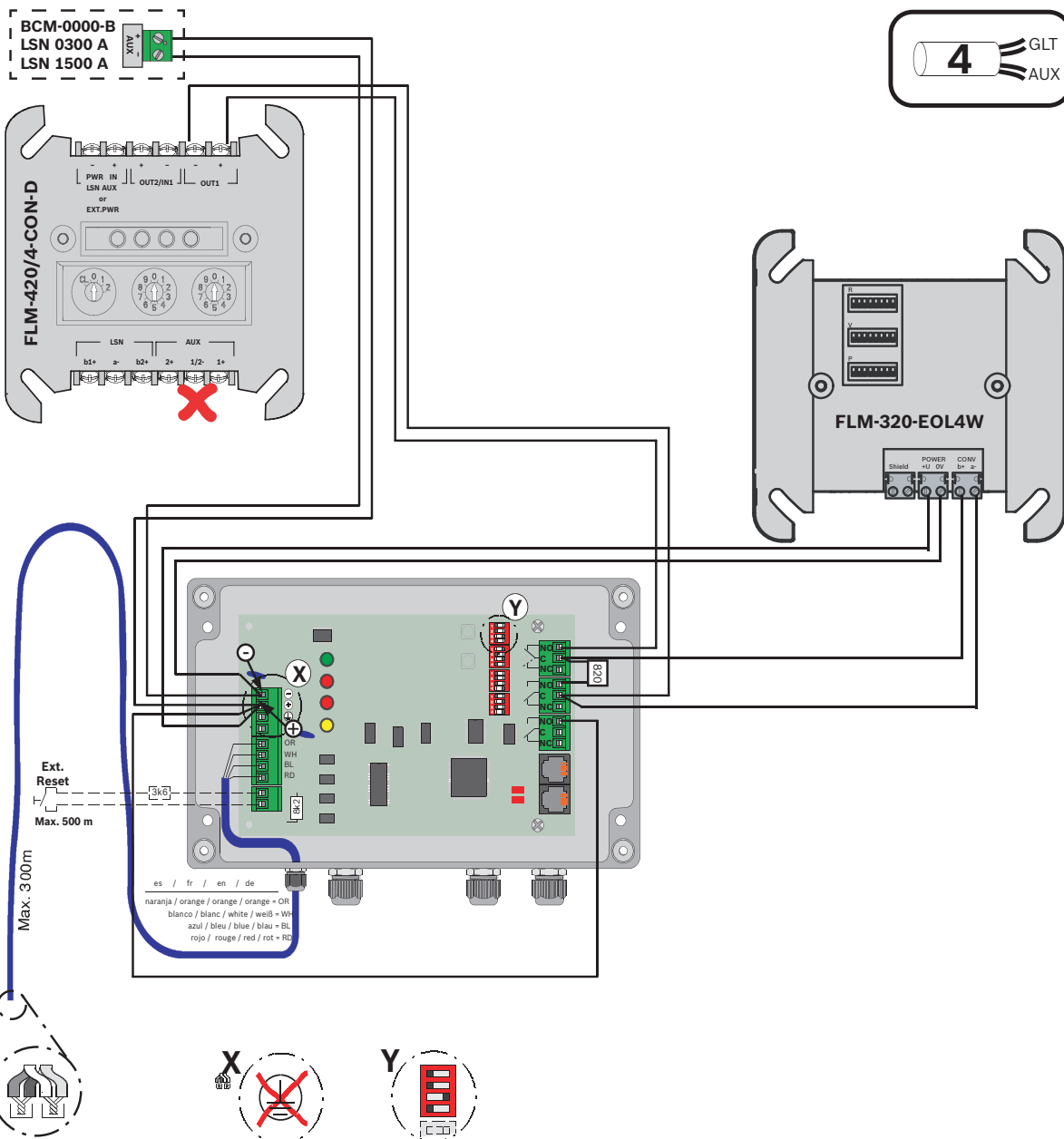


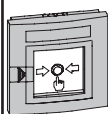
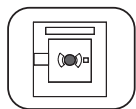


FCS-LWM-1

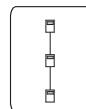


ELS VdS 2489

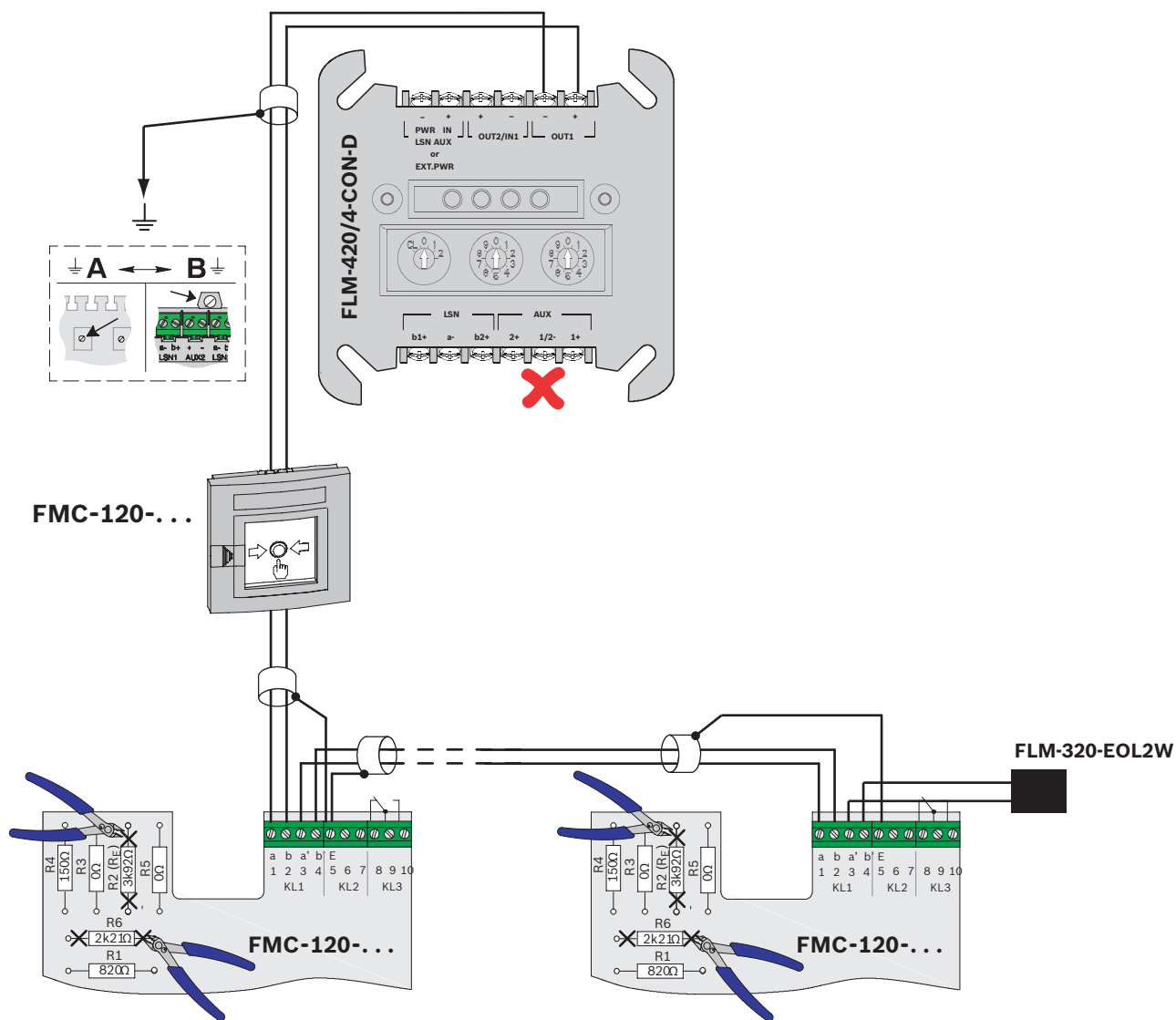


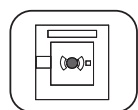


FMC-120-DKM-G-R FMC-120-DKM-G-Y
FMC-120-DKM-H-R FMC-120-EST-G-B
FMC-120-DKM-G-B
FMC-120-DKM-H-B

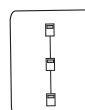


ELS VdS 2489

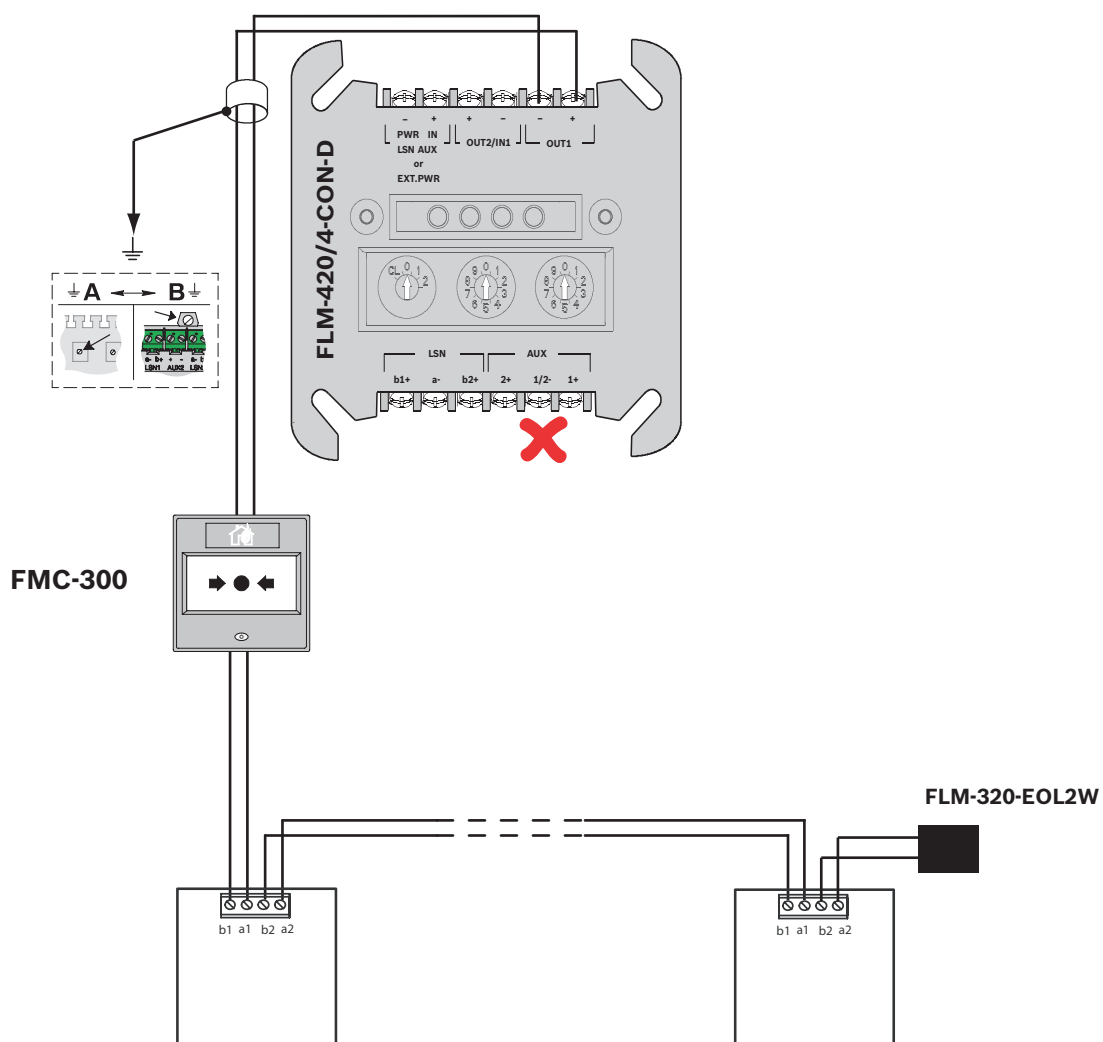




FMC-300



ELS VdS 2489

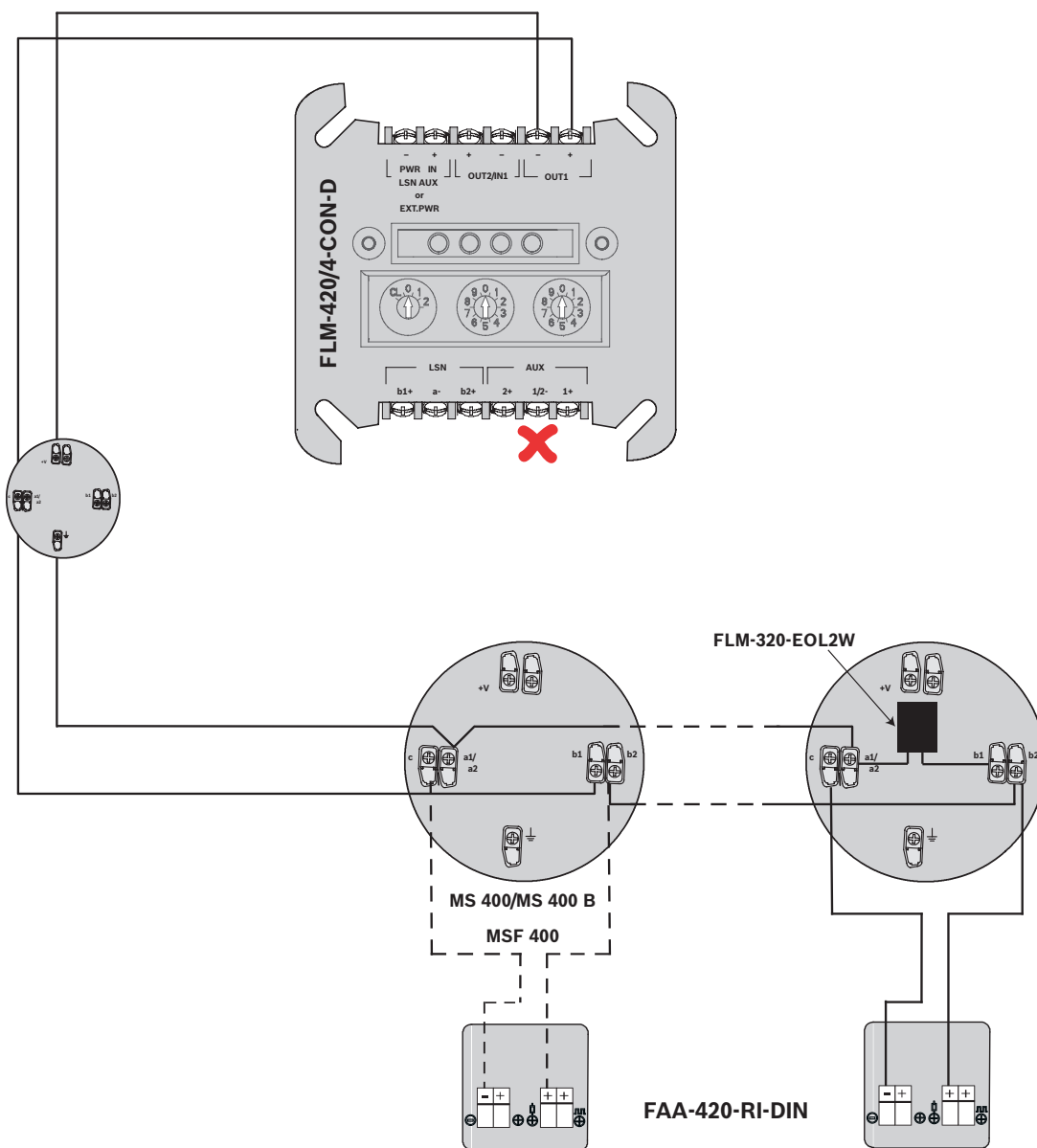




FAP-425-O/-O-R/-OT/-OT-R/-T-R
 FAP-425-DO-R/-DOT-R/-DOTC-R
 FCH-320-T320/-T320-R470/-T320-FSA
 FCP-O320/-O320-R470
 FCP-OC320/-OC320-R470
 FCP-OT320/-OT320-R470



ELS VdS 2489

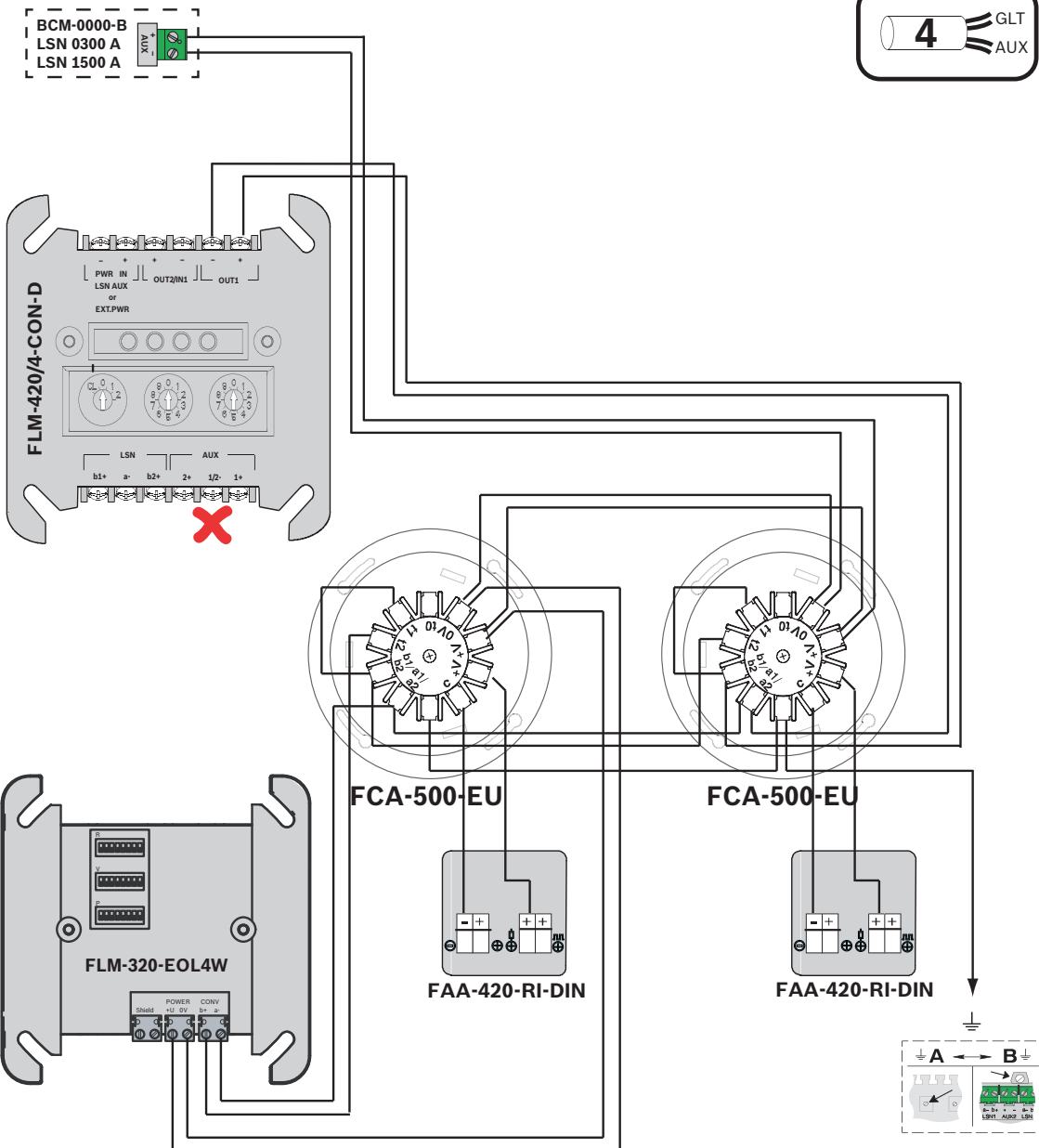


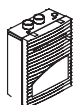
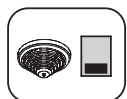


FCP-500



ELS VdS 2489





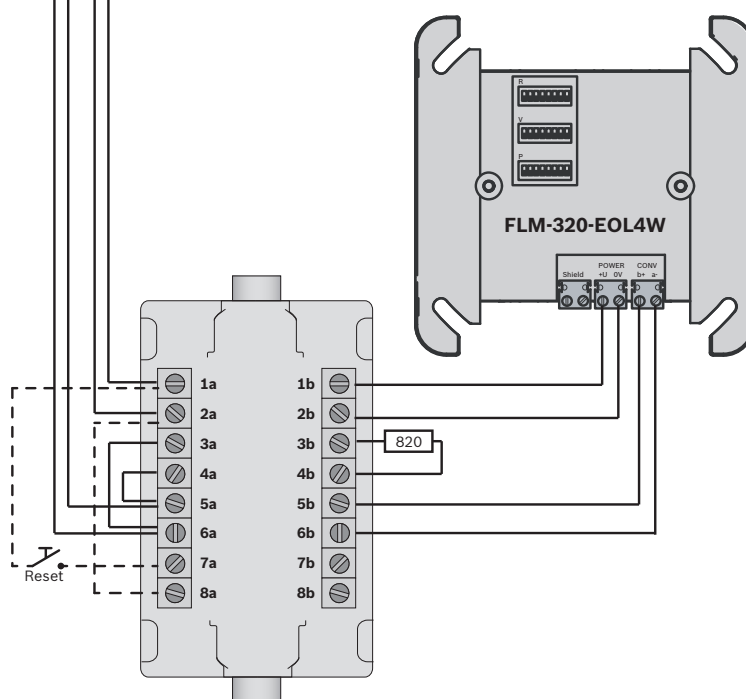
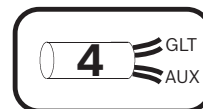
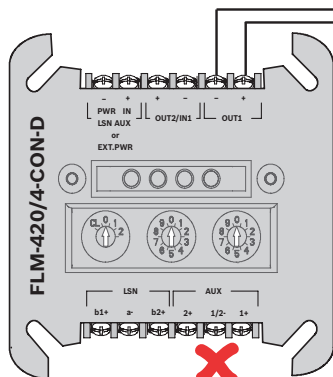
FCS-320-TM Series

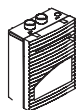


ELS VdS 2489

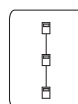


BCM-0000-B
LSN 0300 A
LSN 1500 A





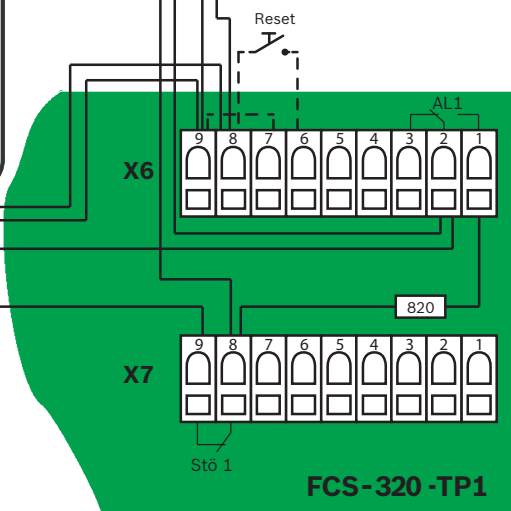
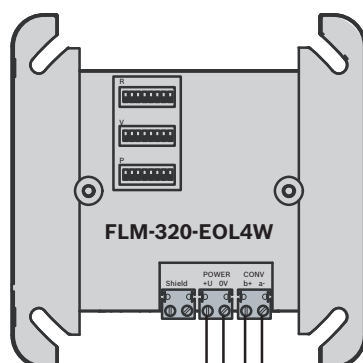
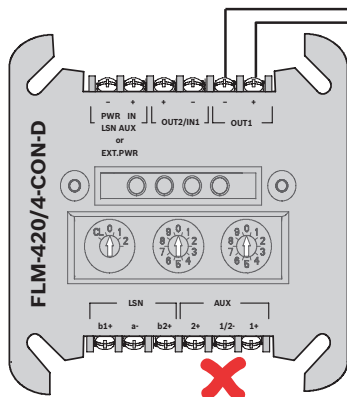
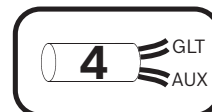
FCS-320-TP Series

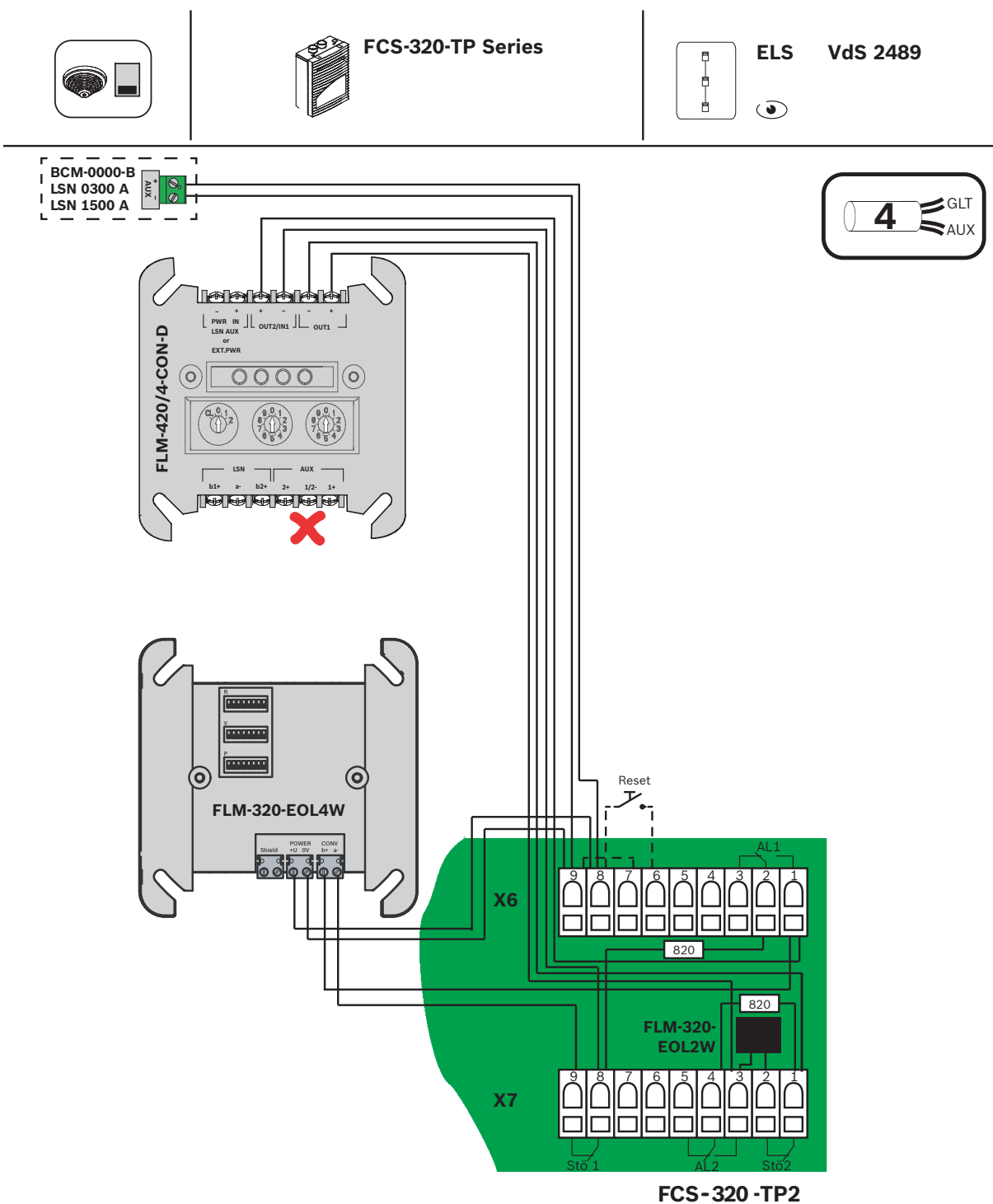


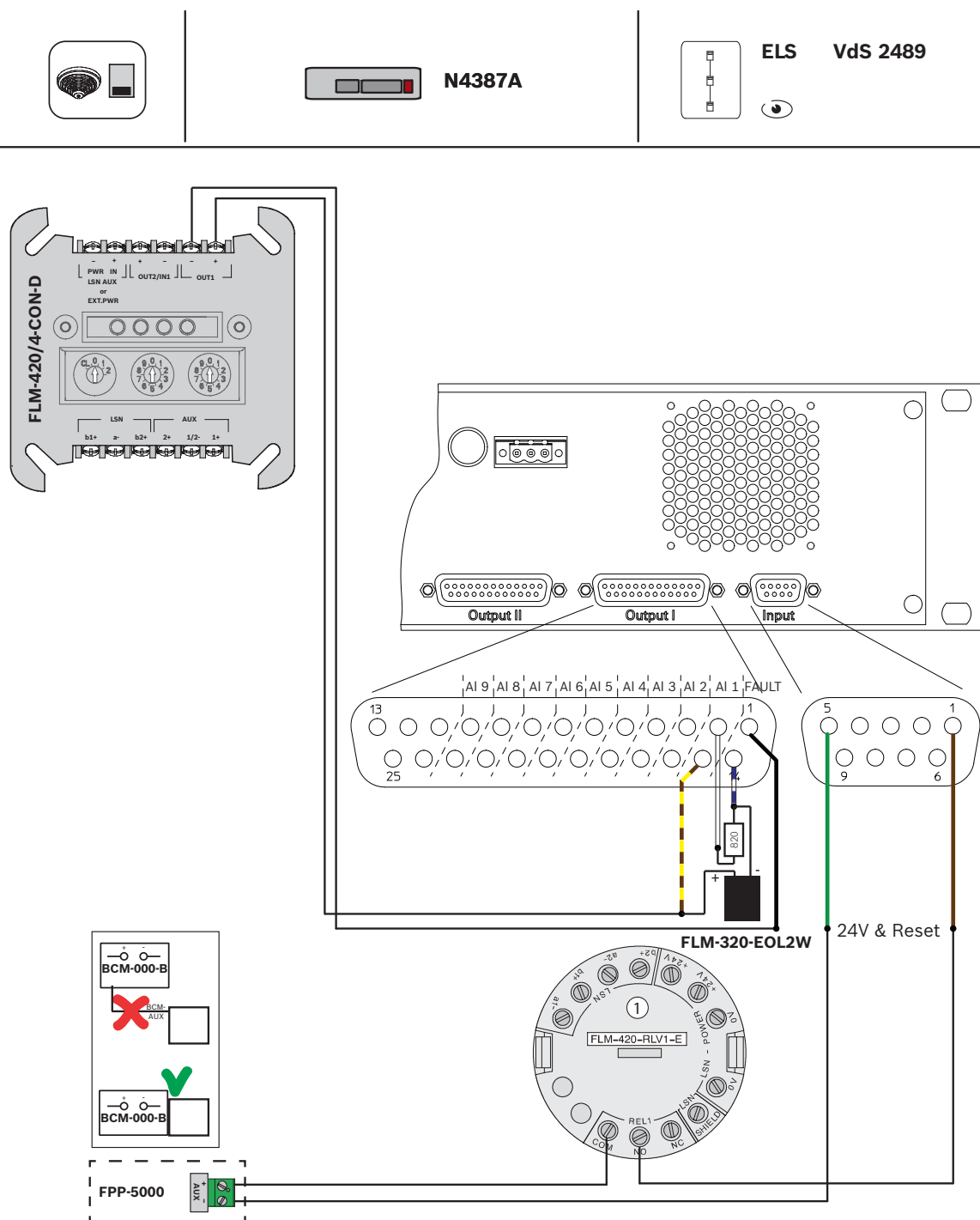
ELS VdS 2489

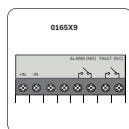


BCM-0000-B
LSN 0300 A
LSN 1500 A

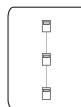




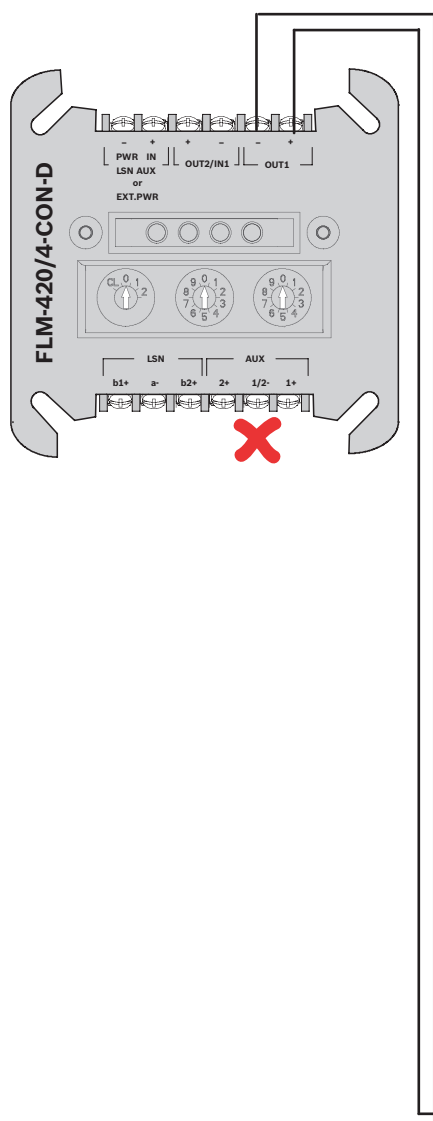




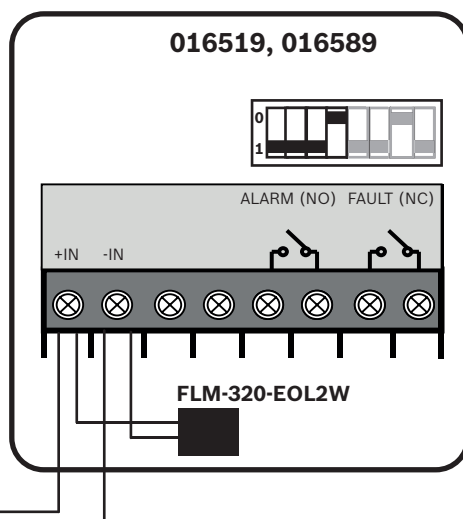
016519, 016589
IR3 Flame Detector

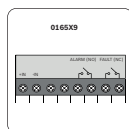


ELS VdS 2489

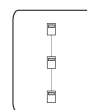


max. 1 x 0165X9





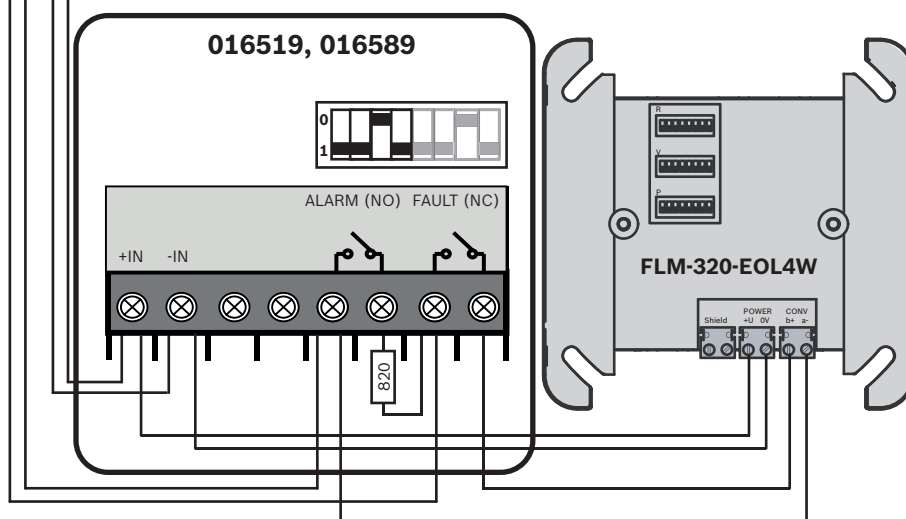
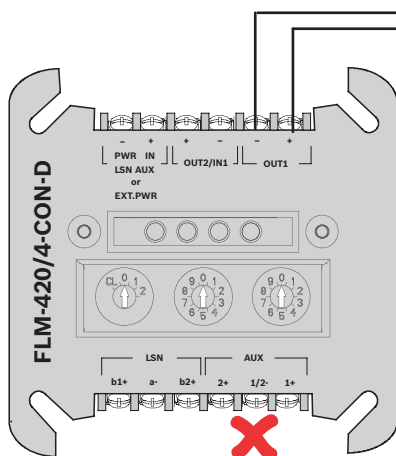
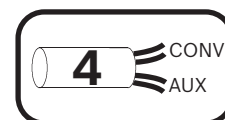
016519, 016589
IR3 Flame Detector

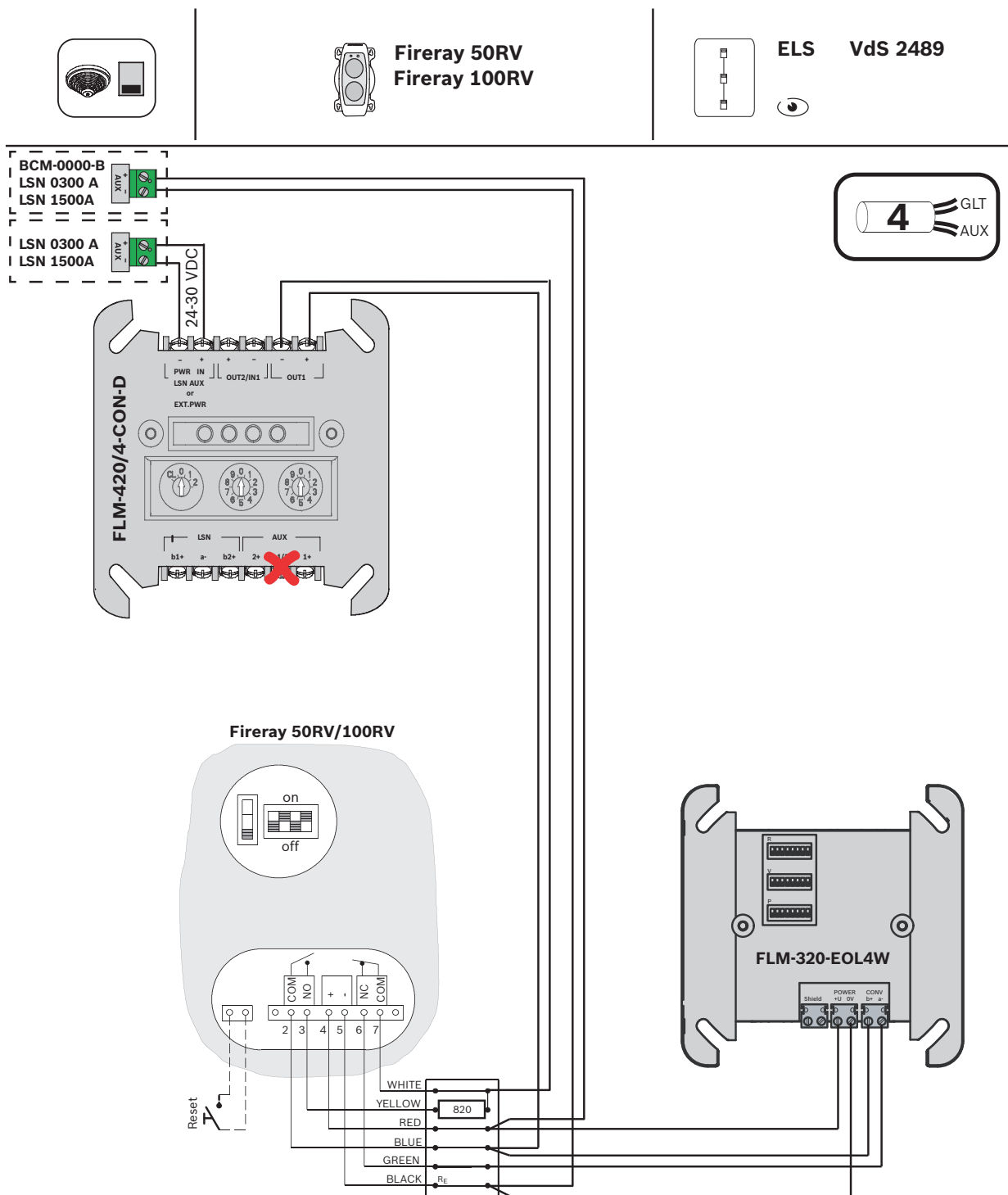


ELS VdS 2489



BCM-0000-B
LSN 0300 A
LSN 1500 A







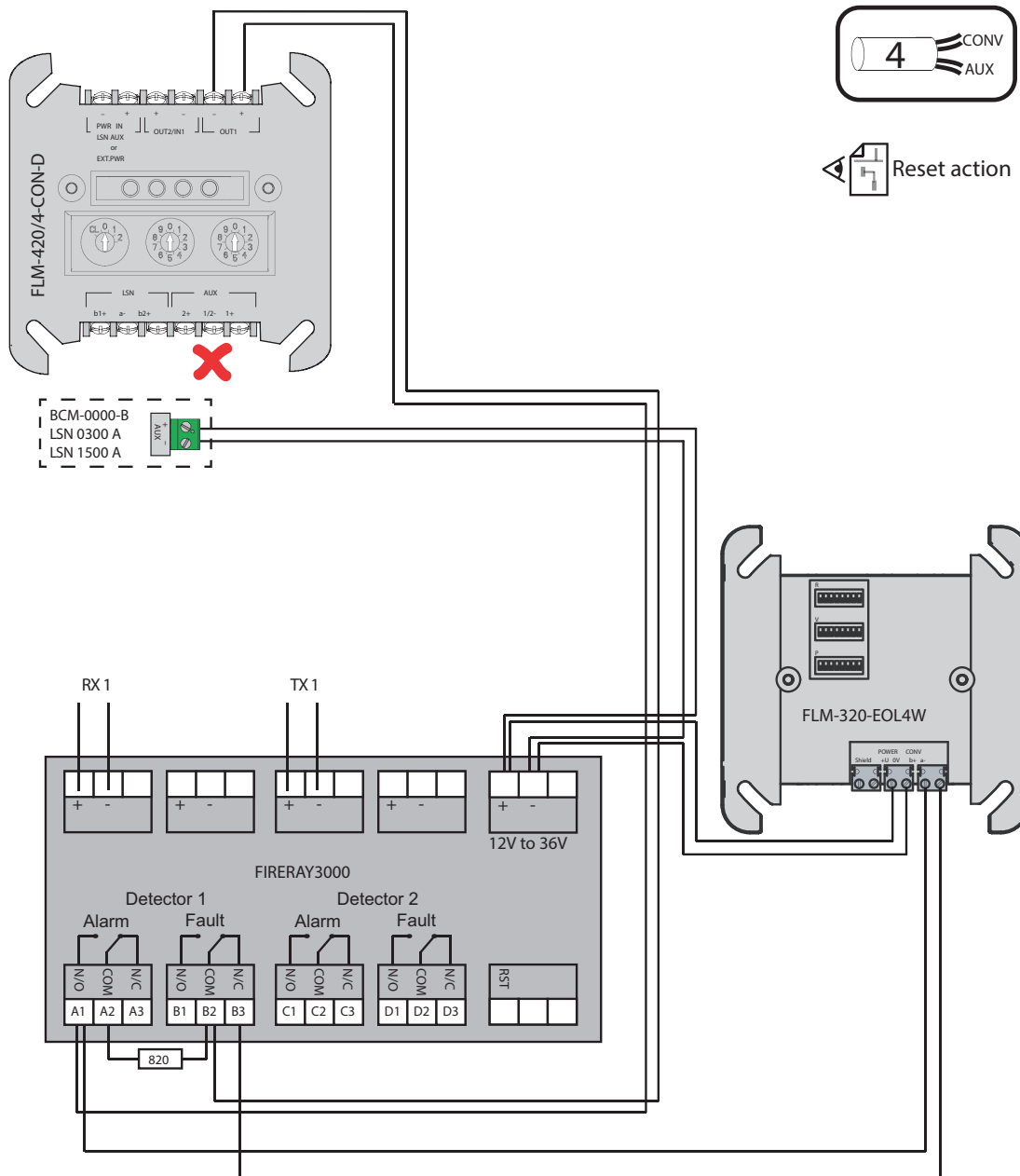
FIRERAY3000

1 x



ELS

VdS 2489





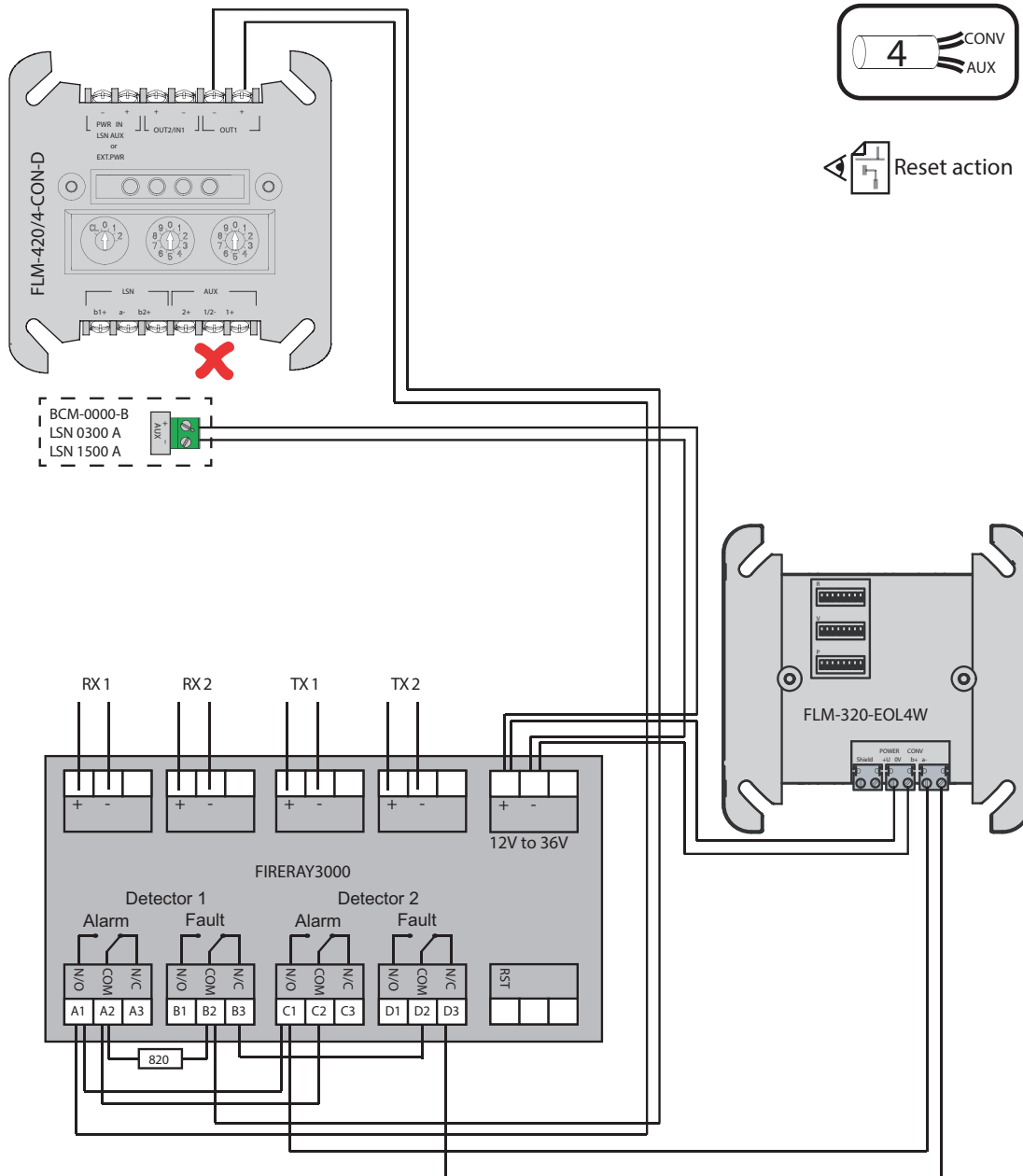
FIRERAY3000

2 x 1



ELS

VdS 2489





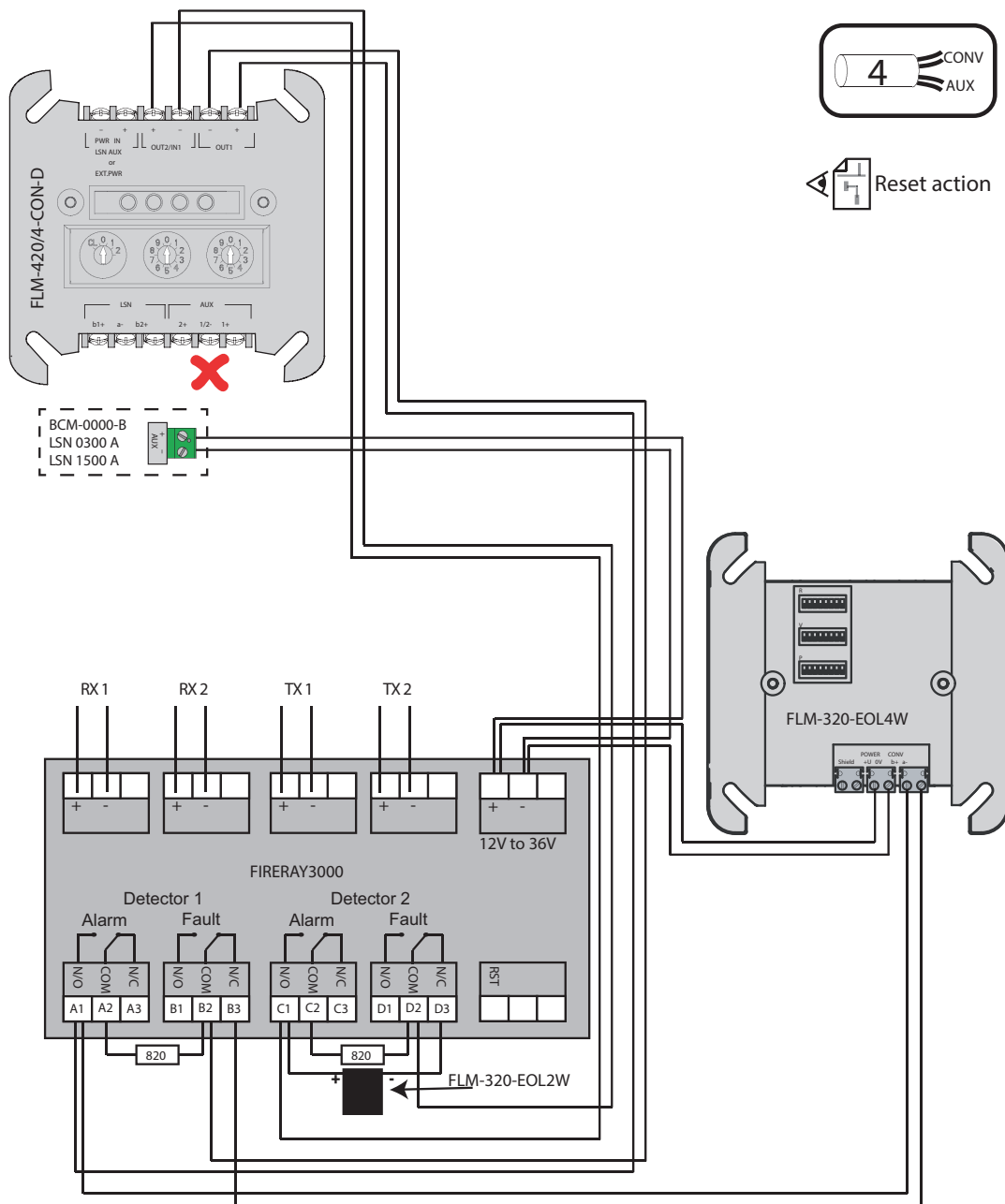
FIRERAY3000

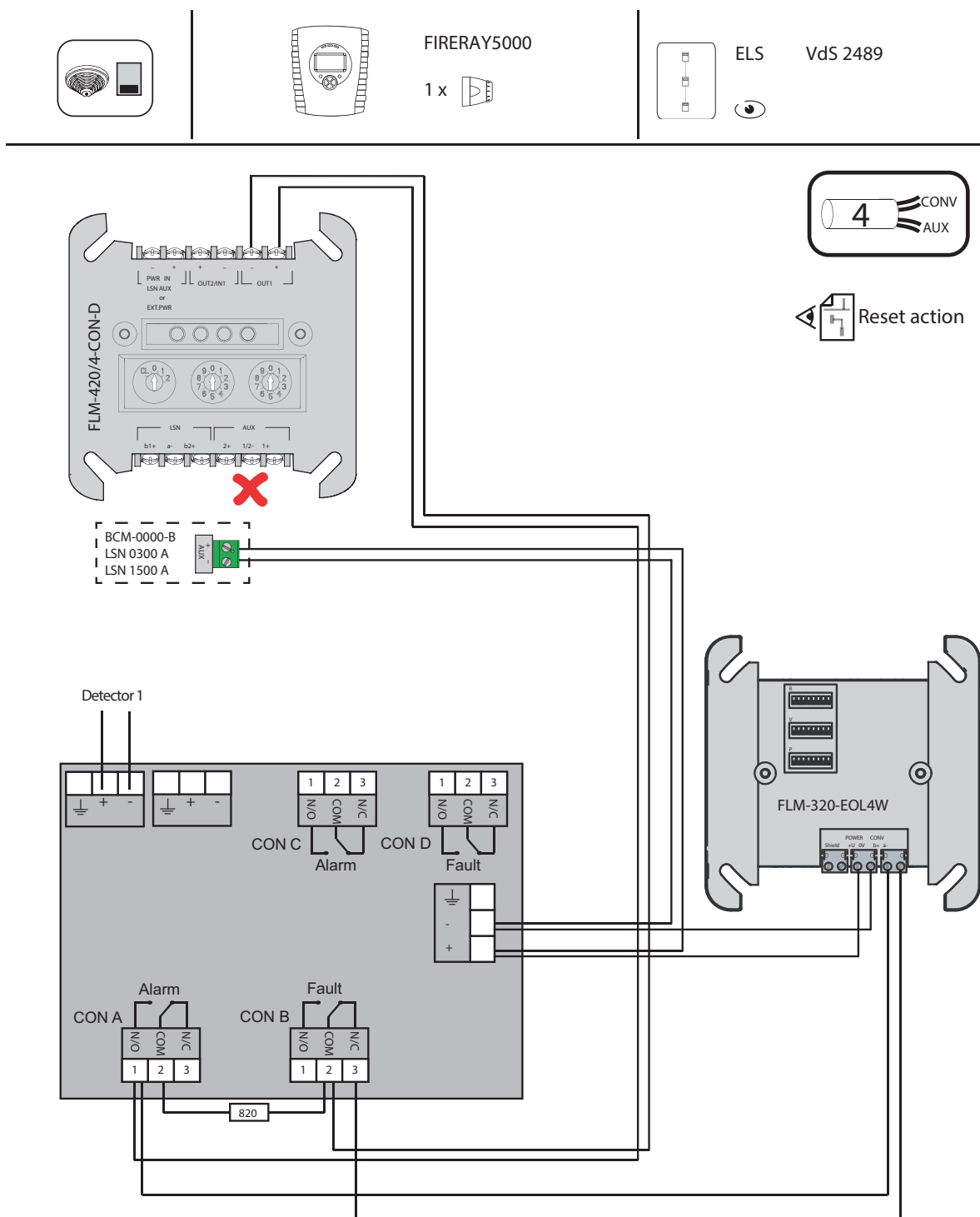
2 x 1+2



ELS

VdS 2489







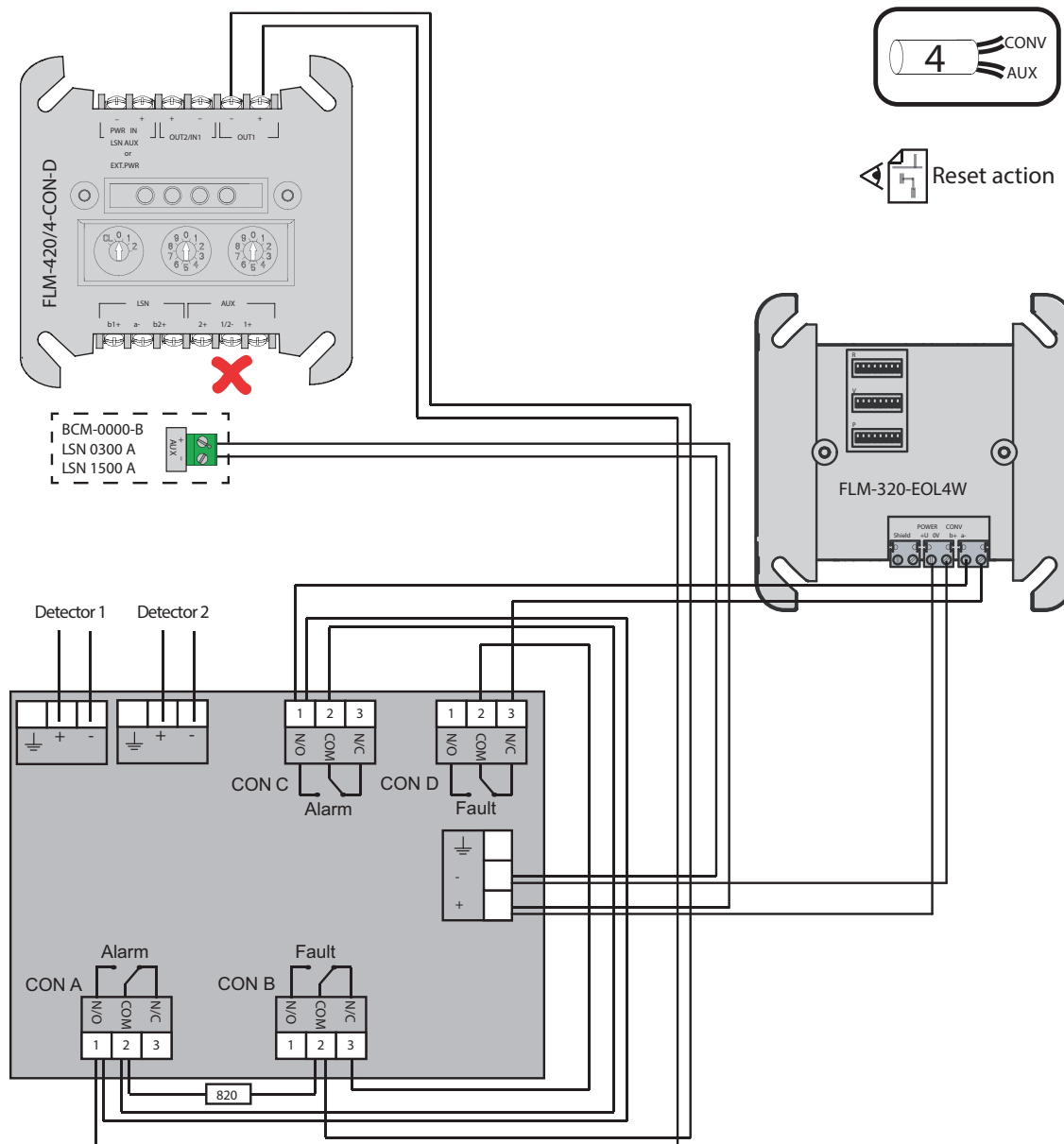
FIRERAY5000

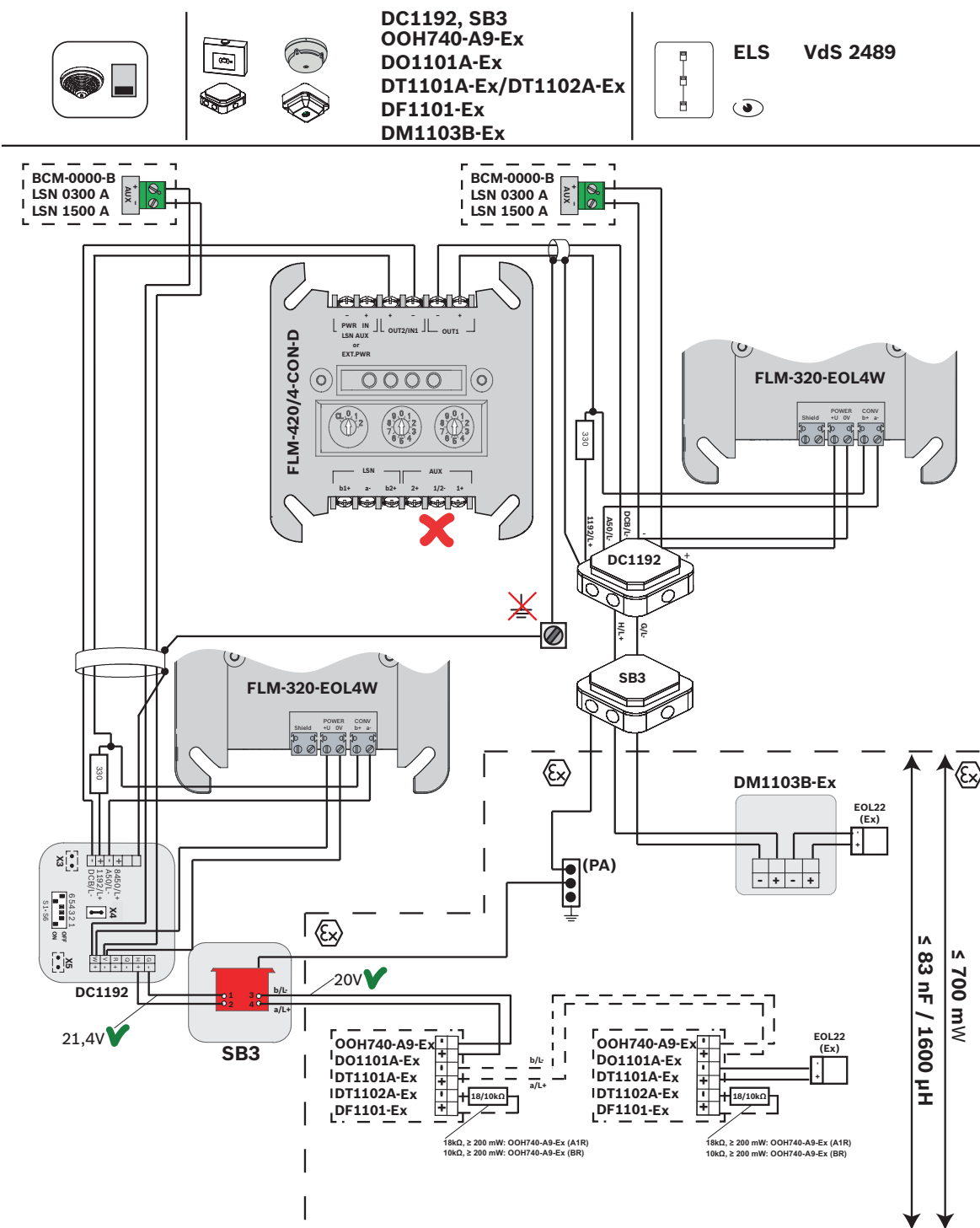
2 x OUT1

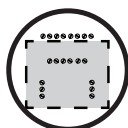


ELS

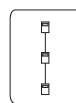
VdS 2489



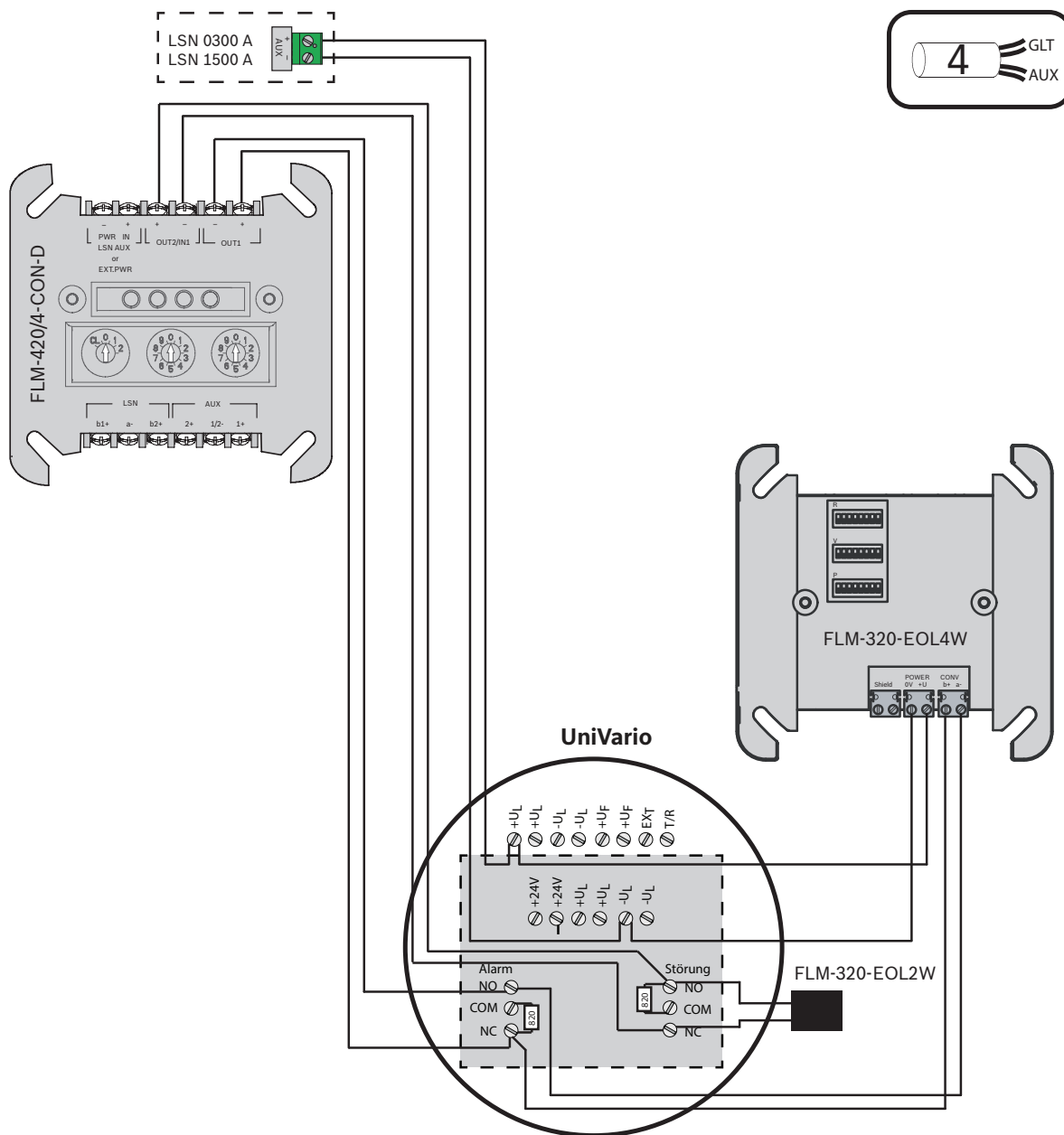




UniVario WMX5000
UniVario FMX5000
UniVario KMX5000



ELS VdS 2489



Indeks

Brojke

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016589 ->

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2014/2 GLU-Ex ->

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838 ->

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

858 ->

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

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ASD 535-2 ->

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838 -> FAA-MSR 420 23, 24

838 -> FLM-420-RHV 33, 34

858 -> FAA-MSR 420 23, 24

858 -> FLM-420-RHV 33, 34

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Bosch Sicherheitssysteme GmbH

Robert-Bosch-Ring 5

85630 Grasbrunn

Germany

www.boschsecurity.com

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