## DB-11 AND DB-11C MOUNTING

.xod gnag elgnis a bna, lanogetoo doni 4 a value gang box. max - 14 AWG, min - 18 AWG. The detector is to be mounted NEC for the number and size of conductors used. Wire size: electrical boxes, with the box size and depth required by the These bases were designed to be mounted on the following

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DNIL

Mounted on a 4 inch octagonal and SBG41/42 or equivalent. **DB-11E MOUNTING** 

Refer to Figures 4 and 5, as applicable.

Route all wires outward from outlet box. ٦.

When ALARM LED viewing is critical, position the LED mark in the base in the intended direction. .2

- Route wires through the hole in the center of the base and mount base to outlet box. Make connections 3.
- directly to the base terminals. Refer to Figures 1, 2 and 3 for details.
- OH921/OOH941/OOHC941/OP921/FS/SFP-11/8710/8712/8713 family devices. loop. Do not use a jumper for FP-11/HFP-11/FDO421/FDO0T441/FDO0TC441/FDOT421/FDT421/H1921/ or 8842 detectors, use DBJ-11 Jumper Kit, P/N 500-699167 (between terminals 1a and 1b) to complete the procedure. To allow for the continuity check with PE-11, PE-11T, DT-11, OP121, OH121, H1121, 8854, 8843 After all bases are installed, check loop continuity. Refer to the System Manual for the loop continuity check .4
- Continuity jumper must be removed from each base prior to installing detector. .d
- To insure proper installation of the detector head into the base:
- a. Route wires away from connector terminals.
- D. Take up all slack in the outlet box.
- Properly dress and position all wires flat against the base.
- Check that screw terminals are tight.

END OF LINE DEVICE

DO NOT USE AN END OF

DEVICE

DO NOT

USE AN END OF

DO NOT

DB-11/-11E/8853/-11C

(P/N 500-094151/

500-094151E/

500-094151FA/ 500-095687)

Model

±►.

(NOTE POLARIT) WHEN APPLICABLE

Document ID A6V10323391 Installation Instructions P/N 315-094193-15

SIEMENS

←+

◄ CAUTION:

TO INITIATING CIRCUIT COMPATIBLE CONTROL UNIT

(SEE CAUTION

4

TO INITIATING

CIRCUIT OF SIEMENS INDUSTRY, INC

◀

LINE 1\*\*

Siemens Industry, Inc.

Smart Infrastructure

Florham Park, NJ

E

Installation/Wiring Instructions

DB-11/-11E/8853/-11C (NO REMOTE DEVICE)

1b

6

8843, OP121, OH121 and HI121 Detectors DB-11/-11E/-11C (NO REMOTE DEVIC

OPTIONAL

REMOTE

DB-11/8853/-11C (NO REMOTE DEVICE)

Siemens Canada, Ltd.

Oakville, Ontario

I 6H 0H6 Canada

1577 North Service Road

ALARM INDICATOR

⇔ 1a

1b

1a

5

1. Do not use looped wire under base terminal 5. Break

wire run to provide supervision of connection.

MODEL DB-11/-11E/8853/-11C DETECTOR BASE

USE AN END OF LINE DEVICE ⇔ 1a OPTIONAL REMOTE ⇔ 1a TO INITIATING **0**]5+ **8**]5+ 5 CIRCUIT OF COMPATIBLE RELAY **O**TB1 ALARM CONTACTS 1b ♢ 6 1b ♢ INDICATOR **\_0**]6 CONTROL UNIT 3A, 120 VAC 3A, 30 VDC TB2 0 MODELS DO NOT RI -HW/RI -HC/ USE AN **О**ТВЗ 8727W/8727C - END OF LINE 2\*\* TO NEXT BASE DEVICE \*The relav contacts are shown in the Non-Alarm/System Reset condition \*\*HFP-11/HFPT-11/HFPO-11/FDO421/FDOOT441/FDOOTC441/FDOT421/FDT421/HI921/OH921/OOH941/OOHC941/OP921/ SFP-11/SFPT-11/SFPO-11/8710/8712/8713 are polarity insensitive detectors Line 1 and Line 2 can be either line of the loop. \*\*Model FDO421, FDOOT441, FDOOTC441, FDOT421, FDT421, HI921, OH921, OOH941, OOHC941 and OP921 detectors are not compatible with the DB-HR or 8716 remote relay base NOTE: SFP-11 Series detectors are approved for use in Canada only. Figure 3 Wiring Diagram for DB-11/-11E/8853/-11C using Series HFP-11, FD0421, FD00T441, FD00TC441, FD0T421,

FDT421, HI921, OH921, OOH941, OOHC941, OP921, SFP-11 and 8710/8711/8713 Detectors

Siemens Ltd.

R.S. No 16/8

Pondicherry, India

Kurumbapet Village 605009

Figure 2 Wiring Diagram for DB-11/-11E/-11C using FP-11, FPT-11, FS-DP, FS-DPT, and FS-DT Detectors

\*The relay contacts are shown in the Non-Alarm/System Reset condition



3A, 120 VAC 3A, 30 VDC  $\Diamond$ MODELS RLI-1 / RLI-2

COMPATIBLE CONTROL UNIT

1b

Figure 1 Wiring Diagram for DB-11/-11E/8853/-11C using PE-11, PE-11T, DT-11, 8854, 8842,

DEVICE RR-11 RLC-11, RLW-11

ADB-11 8852

8845, 8849 8844, 8848

RSAC-11, RSAW-11

**8**]5+

DB-HR/8716/DB2-HR

# TO NEXT BASE

DB-11XRS (REMOTE RELAY BASE)

RELAY

CONTACTS

(REMOTE RELAY BASE)

DB-HR/8716 (REMOTE RELAY BASE)

SEE REMOTE DEVICE INSTRUCTIONS FOR WIRING DETAILS:

INSTALLATION

INSTRUCTIONS P/N 315-094924

P/N 315-094925

P/N 315-094926

P/N 315-096162

P/N 315-095519F/

P/N 315-00/025E4

must be the ONLY devices on the initiating circuit.

<\r>
1a

1b ♢

When a remote relay is used to control a critical system function, the relay and its associated detector and optional module(s)

TO NEXT BASE

**0**]5+

**6**– (NC **8** 

TO NEXT BASE

 $I \vdash$ 

## leboM

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(P/N 500-094151/ DB-11/-11E/8823/-11C

Pondicherry, India Kurumbapet Village 605009 Siemens Ltd.

L6H 0H6 Canada Oakville, Ontario 1577 North Service Road East R.S. No 16/8, Siemens Canada, Ltd.

Florham Park, NJ Smart Infrastructure Siemens Industry, Inc.

## **DETECTOR AND BASE PLACEMENT**

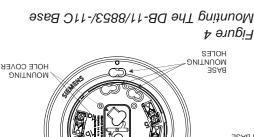
NFPA Standard 72 and CAN/ULC-S524. section of detector Installation/Wiring Instructions and to When drawings are not available, refer to Detector Placement after a careful evaluation of all facets of the protected area. detector placements shown on these drawings were chosen authorized distributors. This is extremely important! The provided or approved by Siemens Industry, Inc. or its Detector and base locations shall follow the drawings

## **BASE WIRING**

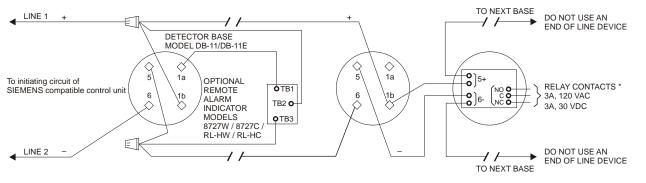
devices are wired to the FDLC. Note any limitations on the wired to the DLC; S Series devices and 8710/8713 wired to the DLC or FS-DLC; FDOT421/OH921 devices are face of each control panel cover. NOTE: H Series devices are following the wiring connection drawing installed on the inside as shown in Figures 1, 2 or 3 and wired to the control panel Siemens Industry, Inc.'s detectors should be interconnected

devices permitted for each circuit. number of detectors and restrictions on the use of remote

SETOH MOUNTING BASE HOLE COVERS MOUNTING S. ALARM LED LOCATION WITH DETECTOR INSTALLED IN BASE SAB NI SEIOH MOUNTING BASE







\* The relay contacts are shown after System reset, which represents the non-alarm condition.

Figure 4 Wiring Diagram for Class X (Isolator mode)

Siemens Industry, Inc. Smart Infrastructure Florham Park, NJ Siemens Canada, Ltd. 1577 North Service Road East Oakville, Ontario, L6H 0H6 Canada Model DB-11/-11E/8853 (P/N 500-094151/500-094151E/ 500-094151FA)