SIEMENS

Building Technologies

Installation Instruction
Model BDS000A
Addressable Detector Base

Figure 1
BDS000A

These instructions are written in accordance with the installation guidelines of NFPA 72, National Fire Alarm Code, The installation of Fire Alarm Systems.

Features

- Easy installation
- Using revolving inserting mechanism
- Covered completely by detectors

Application

- BDS000A is applied to BDS A addressable detectors
  - BDS051A smoke detector
  - BDS031A heat detector

Installation

Detector placement should follow the drawings provided or approved by Siemens Building Technologies or by its authorized distributors. This is extremely important! The detector placements shown on these drawings were chosen after a careful evaluation of all facets of the protected area, such as air currents, temperature, humidity, pressure, the nature of the fire load and type of ceiling etc. When drawings are not available, refer to Detector Installation section of detector Installation Instructions or refer to relevant items of NFPA 72.

Wiring:
1. Route wires through the centre hole of the base and mount base to ceiling (the distance between two installation hole is 62mm). When alarm LED viewing is critical, position the LED positioning symbol in the base in the intended direction.
2. Make connections directly to the base terminals. Refer to Figure 3 for details.

☞**Note:**

- Do not install detector until all construction is completed.
- It is recommended wiring with twisted-pairs from base to base, the wiring requirement is 18 AWG to 14AWG.

LED positioning symbol
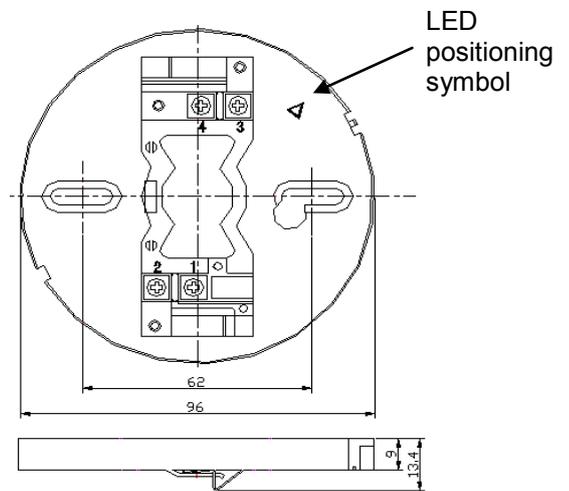
Figure 2
Mounting the BDS000A Base

Order Information

Type	Description	Stock Code
BDS000A	Base for BDS A addressable detector	A5Q00016958

Detector base
Model BDS000

P ← → P

To BC80 compatible control unit

1 2

3 4

To next base
Do not use an end of line device

S ← → S
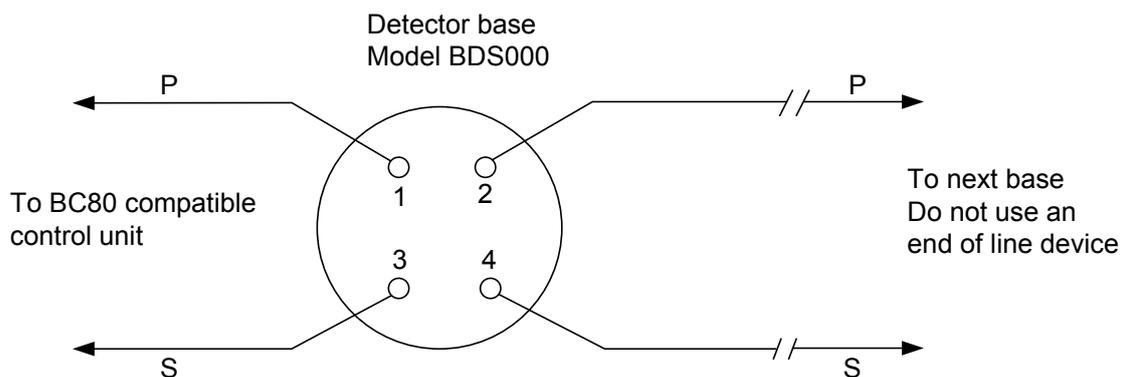
Figure 3 Wiring diagram for BDS000A