# NC-DBR-B

## Conventional relay base (Black)

### General

The NC-DBR-B is a graphite black, NC series surface mount first-fix relay base offering one change over relay. It allows any NC Series conventional point detector to be inserted, removed or replaced without rewiring using an easy twist and lock action. The added potential free relay function allows for low cost control to non-critical functions such as door release, air conditioning shutdown or elevator control without the need for additional device installation. The status of the relay is associated with the alarm situation of the associated detector.

### Ease of Installation

Forming an integral part of the detector assembly, NC Series standard bases are provided with key-hole slots for screw fixing direct to ceiling structures or conduit boxes. Large rear cable entry allows for easy wiring to the base.

For special applications a base accessory is available for surface installations, ensuring an easy and practical installation.

### Ease of Wiring & Testing

Clearly marked terminals ensure correct and secure wiring termination for zone and relay connections.

### Ease of Use

Inserting the NC Series detector into the base is accomplished with a simple turn and lock mechanism. To prevent unauthorised removal of a detector from its base, an easy-to-activate locking mechanism is incorporated into all NC series detectors. If activated, a detector can only be released from its base using a dedicated tool.




### Details

- Common first-fix mounting base for all black NC-Series detectors
- Single potential free contacts for easy external function control
- A selectable detector locking mechanism protects against unauthorised removal
- Large rear cable entry with ample space for cables
- Flexible installation fixture with first fix screw feature reduces installation time and effort
- Clearly visible terminal marking avoids incorrect cabling
- Robust, wiring terminals for easy installation
- Simple twist-and-lock detector action ensures the detector is properly inserted
- Dual contact points on every connector for reliable detector/base contact

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## Technical specifications

### General

| | |
|---|---|
| Status indication | None |
| Compatibility | NC-Series point detectors |
| Reset voltage | < 1 VDC |
| Reset time | Linked to detector |
| Connectivity | 2-wire zone and NO/COM/NC contacts |

### Electrical

| | |
|---|---|
| Power supply type | Zone powered |
| Operating voltage | 9.5 to 28 VDC (24 VDC typical) |
| Current consumption | Excluding detector<br>≤10uA (standby)<br>≤10mA @ 9.5 VDC (active) |
| Cable specification | 1.0 to 2.1 mm² (17 to 14 AWG) shielded or unshielded twisted-pair |
| No. of cable cores | 2 for zone |
| Terminals | 7 used (3 Zone in/out + COM, NO, NC) |

### Output

| | |
|---|---|
| Output quantity | 1 |
| Output type and rating | Single pole, change over, 1 A @ 30 VDC / 0.5 @ 125 VAC (resistive) / |

### Physical

| | |
|---|---|
| Physical dimensions | 100 x 21.3 mm (Ø x H) |
| Net weight | 70.1 g |
| Colour | Graphite black (RAL 9011) |
| Mounting type | Ceiling mount |
| Cable entries | 1 |
| Material (body) | ABS |
| Fixing centres | 2 (45 to 75 mm) |
| Material (contacts) | QSn6.5-0.1 (Tin-phosphor bronze) |

### Environmental

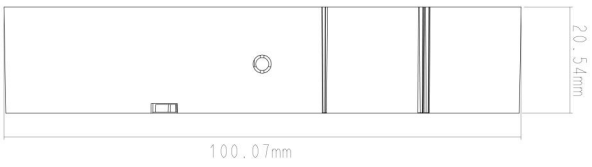
| | |
|---|---|
| Vandal proof | No |
| Operating temperature | −20 to +65°C |
| Storage temperature | −30 to +75°C |
| Relative humidity | 10 to 93% (noncondensing) |
| Environment | Indoor |
| IP rating | IP3x |

### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RoHS 3, WEEE |

### Compatible products

| Category | Reference | Description |
|---|---|---|
| Detection device | NC-BA-PD | Conventional base accessory - Presence Detection |
| Detection device | NC-DPO-B | Conventional optical smoke detector (Black) |




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