CAS381, CAS381WP - Intelligent addressable wall sounders



Two versions of the intelligent addressable wall sounder are available in this range, the internal CAS381 and the weatherproof CAS381WP.

Both the CAS381 and the CAS381WP are compatible with Eaton's range of intelligent addressable fire systems.

The high efficiency design of these intelligent addressable wall sounders offer excellent sound output levels despite the low current consumption.

CAS381

This device is designed for wall mounting, has a choice of different tones and volume levels, a built in short circuit isolator and is soft addressed for ease of installation.

CAS381WP

This device is IP66 rated and therefore suitable for external and wash down areas, it is designed for wall mounting, has a choice of different tones and volume levels, a built in short circuit isolator and is soft addressed for ease of installation.

Features and benefits

- Loop powered
- Soft addressed
- Integral short circuit Isolator
- High efficiency design
- Simple clip fixing assembly
- Two models available
 - Internal
 - Weatherproof
- Quick and simple to install
- Low current consumption
- Selectable tone controlled by the panel
- Adjustable volume controlled by the panel
- First fix back box
- IP65 version available
- Easy to maintain/service



Technical specification

| Code | CAS381 | CAS381WP | |
|--|---|---|--|
| Description | Internal wall sounder | Weatherproof wall sounder | |
| Standards | EN54 Pt3 | EN54 Pt3 | |
| Specification | | | |
| Operating voltage | 17V dc to 32V dc | 17V dc to 32V dc | |
| Standby current | < 320µA | < 320µA | |
| Tones (set by panel) | Continuous: 984Hz Pulsed: 984Hz / 0Hz pulse 1Hz Two tone: 644 / 984Hz at 1Hz cycle Slow whoop: 500-1200Hz in 3.5 seconds/0.5secs gap | Continuous: 984Hz Pulsed: 984Hz / 0Hz pulse 1Hz Two tone: 644 / 984Hz at 1Hz cycle Slow whoop: 500-1200Hz in 3.5 seconds/0.5secs gap | |
| Sound output at +/-3db (Set by panel) | Low volume : 87dB at < 2mA Medium volume : 93dB at < 3mA High volume: 100dB at < 6mA | Low volume : 87dB at < 2mA Medium volume : 93dB at < 3mA High volume: 100dB at < 6mA | |
| Environmental | | | |
| Operating temperature | -10°C to +55°C | -10°C to +55°C | |
| Humidity (non condensing) | 0 to 95% RH | 0 to 95% RH | |
| Physical | | | |
| Construction | PC/ABS | PC/ABS | |
| Colour | Red | Red | |
| Dimensions (H x W x D) | 105mm x 105mm x 95mm | 108mm x 108mm x 103mm | |
| Weight | 0.25kg | 0.57kg | |
| Ingress protection | IP42 | IP66 | |
| Cable entry | Rear/side | Rear/side | |
| Compatibility | | | |
| Suitable for use with | Eaton intelligent addressable fire systems | Eaton intelligent addressable fire systems | |
| | | | |

Installation

CAS381

- 1. Installation is simple using first fix base.
- 2. First fix base is fixed to mounting surface using 2 fixing holes.
- 3. Cable entry can be rear or side.
- 4. Connections are to connector block on main sounder body.
- Main body is then clipped into position on mounting base, body locks into position when pressed home.

CAS381WP

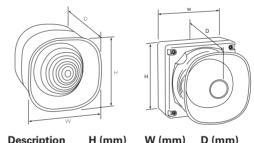
- 1. Installation is simple using first fix base.
- 2. First fix base is fixed to mounting surface using 2 fixing holes.
- 3. Cable entry can be rear or side.
- 4. Connections are to connector block on main sounder body.
- Main body is then fastened onto base, using 4 allen head screws (supplied).

System functionality

CAS381/CAS381WP

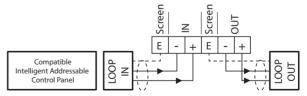
- 1. Volume is set by fire control panel, no need to access sounder to alter setting.
- 2. Tone is set by fire control panel, no need to access sounder to alter setting.

Dimensions



| _ | Description | п (mm) | <u>vv (mm)</u> | (mm) ט |
|---|--------------|-------------------|----------------|--------|
| | Internal | 105 | 105 | 95 |
| 1 | Weatherproof | 108 | 108 | 103 |

Standard connections



WARNING: Do NOT use high voltage testers if ANY equipment is connected to the system.

Screen (Earth) must be continuous along entire length of loop.

Catalogue numbers

| Description | Code |
|---------------------------|----------|
| Internal wall sounder | CAS381 |
| Weatherproof wall sounder | CAS381WP |