

## Features

- Isolates short circuits within the SLC loop.
- SLC Class A, Class X & Class B
- Mounts in a standard 4" or double gang box
- Wire terminals accessible when mounted in box
- All wiring terminals accept 22 to 12 AWG
- Product includes a 5 year warranty
- UUKL Listed for Smoke Control



## Description

The PAD300-IM module does not require an SLC loop address but does consume power from the SLC loop. The module provides protection against short circuits by limiting the number of affected devices. When the PAD300-IM detects a short circuit on the SLC loop, it disconnects the outgoing side of the module to prevent the short from affecting the rest of the SLC loop. The PAD300-IM includes one red LED to indicate the modules status. When the module is shorted, the LED will light continuously. Once the short is removed, the PAD300-IM will automatically restore to a cleared condition.

## Application

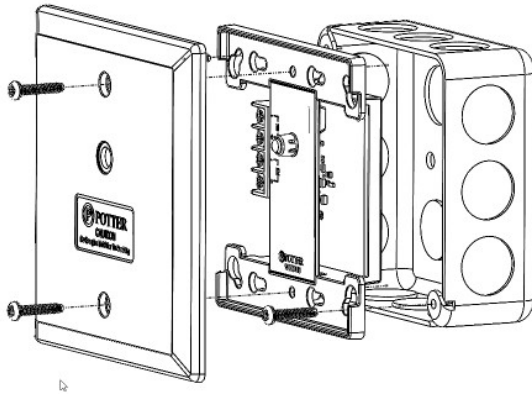
The PAD300-IM is compatible with Potter's IPA series addressable fire alarm control panels. The PAD300-IM is used to provide additional reliability by isolating a segment of the SLC loop where a short circuit has occurred.

## Technical Specifications

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| Operating Voltage                | 24.0V                                           |
| Max SLC Standby Current          | 100μA                                           |
| Max SLC Short Circuit Current    | 2.75mA                                          |
| Max no. of PAD300-IM on SLC loop | 254 Units                                       |
| Operating Temperature Range      | 32 to 120°F (0 to 49°C)                         |
| Operating Humidity Range         | 0 to 93% (non-condensing)                       |
| Dimensions                       | 4.17" (106mm)L × 4.17" (106mm)W × 1.14" (29mm)D |
| Mounting Options                 | Standard 4" Square or Double Gang Box           |
| Shipping Weight                  | 0.6 lbs                                         |

## Installation Using Compatible Electrical Box

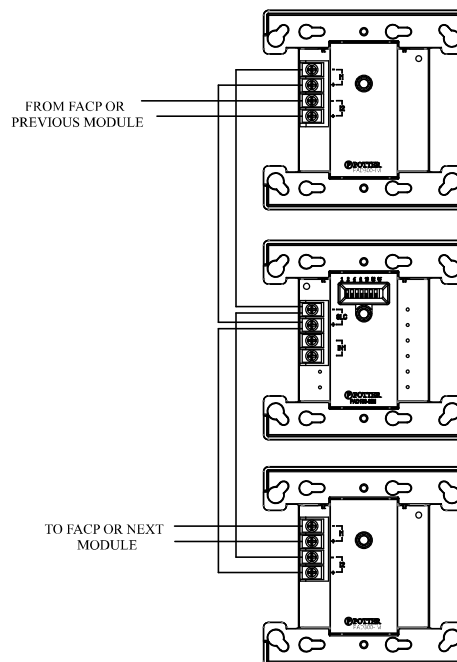
Fig 1



## Wiring Diagrams

PAD300-IM Class X Example

Fig 2



## Ordering Information

| Model     | Description     | Stock No. |
|-----------|-----------------|-----------|
| PAD300-IM | Isolator Module | 3997049   |