



DIGITAL  
ACOUSTICS

**PNL-CIS4-DA**  
**PNL-CIS4-M-DA**  
**PNL-CIS4-M-L-DA**

Getting Started Guide



## Introduction

The **PNL-CIS4-DA**, **PNL-CIS4-M-DA** and **PNL-CIS4-M-L-DA** are vandal resistant analog call station that incorporate the following options:

| Model           | Speaker | Call Button | Microphone | LED Call Button |
|-----------------|---------|-------------|------------|-----------------|
| PNL-CIS4-DA     | X       | X           |            |                 |
| PNL-CIS4-M-DA   | X       | X           | X          |                 |
| PNL-CIS4-M-L-DA | X       |             | X          | X               |

## Specifications

- 12 Gauge stainless steel Call Panel
- Integrated 8 Ohm Speaker – waterproof cone
- Integrated security screen to protect the speaker
- Integrated Microphone - water resistant (-M-DA and -M-L-DA)
- Integrated security screens to protect the microphone
- Integrated vandal resistant Call button (-DA, -M-DA)
- Integrated vandal resistant Call button with LED (-M-L-DA)

# Installation

## Mounting

The PNL-CIS4-x can be flush mounted into a standard 2-gang electrical box or surface mounted in an optional surface mount box. For outdoor installations, mount under an eave or use a hooded surface mount box (PNL-BB7).

## Wiring Requirements when connecting to the IP7-FX – IP Audio Module

For best results and to minimize interference, connect the Microphone to the IP7-FX with 18-20 AWG 2 conductor SHIELDED wire. Connect the Shield to the J2-4 (GND) on the IP7-FX. Do not connect the shield to the call station.

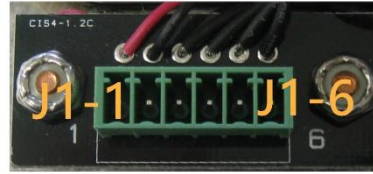
Use 18 - 20 AWG for Speaker and the Call Button and LED.



If connecting the PNL-CIS4-x to the IP7-FX, the Microphone wire must not be in the same jacket as the Speaker wire.

There is a six-position phoenix style pluggable connector on the back of the PNL-CIS4x:

| Connector | Description |
|-----------|-------------|
| J1-1      | Mic +       |
| J1-2      | Mic -       |
| J1-3      | Ground      |
| J1-4      | Talk Button |
| J1-5      | Speaker +   |
| J1-6      | Speaker -   |



On the PNL-CIS4-M-L-DA, there are two wires coming off the back of the button to power the LED. Connect a “current limited” 3.3V supply to these two wires (polarity independent) to light the LED.

Connect the pluggable six-position green connector for the PNL-CIS4-M to the IP7-FX as follows:

| PNL-CIS4-x Connector | IP7 Connector  | Comment                                     |
|----------------------|----------------|---|
| J1-1                 | J2-1 MIC+      | Mic Audio                                   |
| J1-2                 | J2-2 MIC-      | Mic ground                                  |
| J1-3                 | J2-4 GND       | Ground                                      |
| J1-4                 | J2-5 TALK      | Talk Button for Call initiation             |
| J1-5                 | J2-6 SPKR 8Ω+  | Speaker Audio                               |
| J1-6                 | J2-7 SPKR 8Ω-  | Speaker Audio                               |
| LED Wire             | J3-5 SNSR/3.3V | 3.3V Current Limited - Polarity Independent |
| LED Wire             | J3-6 GND       |   |