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.
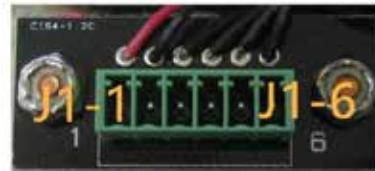
Use18 - 20 AWG for Speaker and the Call Button and LED.

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	

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