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Installing TKIS-2 VoIP Intercom Module

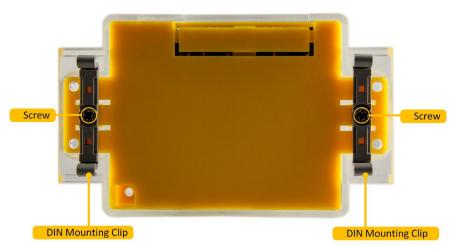
Item Number Item Name Description 1008131020 TKIS-2 VoIP Intercom Module 1 Power/Relay Inputs 9 1 2 I/O Interface TKIS -2 3 External Audio 2 1223 CERCI 4 Ethernet/PoE Port 5 DIN Mounting Clips 3 5 4

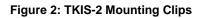
Figure 1: TKIS-2 Overview

Power/Relay Inputs:	Programmable relay. Max: 250VAC/220VDC, 2A, 60W
I/O Interface:	Interface for control inputs, control outputs and analog audio line out.
External Audio:	Connection for microphone and loudspeaker.
Ethernet Port:	Ethernet connection with Power over Ethernet.
DIN Mounting Clips:	Plastic clips for mounting the device to a DIN rail.

1 Mounting the TKIS-2

The TKIS-2 is normally mounted on a DIN rail. The DIN rail shall be mounted securely to the equipment rack, and properly stabilized.







To mount the TKIS-2:

- 1. Attach the mounting clips to the bottom of the device with the screws provided (see Figure 2)
- 2. Press the TKIS-2 against the DIN rail of the rack until the mounting clips snap into place

2 **Power Supply**

The TKIS-2 supports Power over Ethernet (PoE, IEEE 802.3 a-f) where power can be drawn from either the spare line or signal line. If PoE is not available, the Turbine Compact Station can be connected to a 24 VDC local power supply.

3 Network Connection

There is a RJ-45 port located on the TKIS-2 that is used for PoE/LAN Ethernet connection to the network.

4 Inputs & Outputs

There are 6 I/O connection options for the Turbine Compact Station. These connections can be used to interface with external I/O devices. The connections are typically used as digital input (e.g. form a closing contact), digital output (5V), or LED driving (20mA max) for connecting sensors, indicators or integration to other systems. The TKIS-2 also includes connections that can be used for external audio such as a microphone or a loudspeaker.

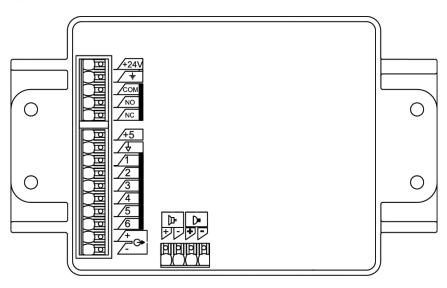


Figure 3: Main Connectors on TKIS-2

Ethernet / Power	10/100 Mbps Ethernet RJ-45 port for LAN (uplink) connection. Supports PoE (802.3af). Draws power from either spare line or signal line.
Secondary Power	24 VDC (16 – 48 V) secondary power is provided from an external adapter.
Relays	There is one Double Throw relay contact with 60W switching power. COM, NO, NC contacts are provided. Max: 250VAC/220VDC, 2A, 60W.
Input/Output	6 general purpose I/Os are available. Each I/O can be configured as either button input or LED driver.
Audio Line Out	A balanced 600 ohm audio line out with induction loop signal

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