



IES-0810

8 FE Unmanaged Switch -20 to 60, DIN-rail

Quick Installation Guide

v1.00 - 1206

Overview

LevelOne IES-0810 Industry Ethernet Switch provides 8 ports of 10/100Base-TX Ethernet to enable high speed network at mission-critical environment. This device is designed to be mounted on an industry standard DIN-rail, plus the clearly visible status LEDs provide simple monitoring of port link activity.

Cost Effective

This device operates under -20 to 60 Celsius (-4 to 140 Fahrenheit) temperature that offers optimal suitability for industrial applications at low cost while maintaining all components built to withstand harsh environment applications without compromise reliability and stability.

Plug & Play

This unmanaged Industrial Ethernet Switch is designed for the demanding industrial environments at businesses in need of instant connectivity with no setup or configure required, truly plug and play.

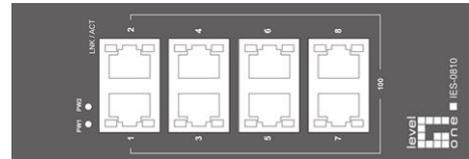
Features

- Meets IEC61000-6-2 EMC Generic Standard Immunity for industrial environment.
- Support 802.3/802.3u/802.3x. Auto-negotiation: 10/100Mbps, Full/half-duplex; Auto MDI/MDIX.
- 100Base-FX: Multi mode SC or ST type; Single mode SC or ST type; WDM Single mode SC type.
- Support 2048 MAC addresses. Provides 768K bits memory buffer.
- Alarms for power failure by relay output.
- Operating voltage and Max. current consumption: 1.1A @ 12VDC, 0.55A @ 24VDC. Power consumption: 13.2W Max.
- Power Supply: Redundant DC Terminal Block power inputs or 12VDC DC JACK (Optional) with 100-240VAC external power supply.
- Operating temperature ranges from -20°C to 60°C.
- Supports DIN-Rail, Panel, or Rack Mounting installation.

Package Contents

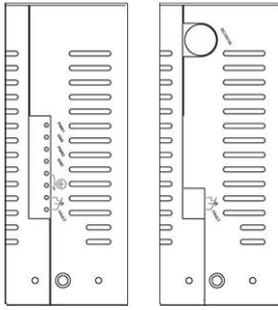
- IES-0810
- Quick Installation Guide
- CD User Manual

LED Status



LED	Status	Description
PW 1,2 (Green)	Steady	Power On
	Off	Power Off
10/100Base-TX or 100Base-FX/BX		
LNK/ACT (Green)	Steady	Network connection is established
	Flashing	Transmitting or Receiving data
100 (Yellow)	Steady	Connection at 100Mbps speed
	Off	Connection at 10Mbps speed

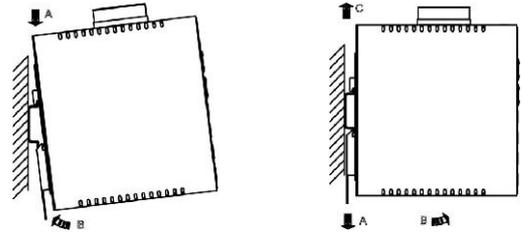
Power Input



Terminal Block	PW1	+	12 – 30VDC
		-	Power Ground
	PW2	+	12 – 30VDC
		-	Power Ground
		Earth Ground	
	Relay Output	1A @ 12 - 30VDC	
1. The relay contact opens if Power1 or Power2 falls			

Note: 12VDC DC Jack Input type is **optional**

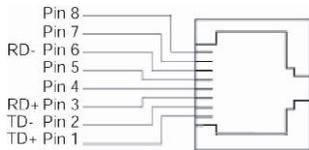
DIN Rail Mount



- **Assembly:** Place the switch on the DIN rail from above using the slot. Push the front of the switch toward the mounting surface until it audibly snaps into place
- **Start-up:** Connect the supply voltage to start up the switch via the terminal block (or DC JACK)
- **Dismantling:** Pull out the lower edge and then remove the switch from the DIN rail.

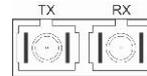
10/100Base-TX Connector

The following lists the pin-out of 10/100Base-TX ports.



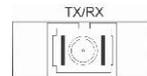
Pin	Standard Port	Uplink Port
1	Output Transmit Data +	Input Receive Data +
2	Output Transmit Data -	Input Receive Data -
3	Input Receive Data +	Output Transmit Data +
4	NC	NC
5	NC	NC
6	Input Receive Data -	Output Transmit Data -
7	NC	NC
8	NC	NC

100Base-FX Connection



The Tx (transmit) port of device I is connected to the Rx (receive) port of device II, and the Rx (receive) port of device I to the Tx (transmit) port of device II.

WDM 100Base-BX Connection



Only one optical fiber is required to transmit and receive data