## Quick Installation Guide

## :Introduction

IES-180-L is an unmanaged Ethernet switch with eight $10 / 100 \mathrm{Base}-\mathrm{T}(\mathrm{X})$ ports in a compact form factor. The easy-to-install switch comes with rigid IP- 30 housing and can operate in harsh environments. The wide operating
temperature range from $-20^{\circ} \mathrm{C}$ to $60^{\circ} \mathrm{C}$ ensures the switch can operate reliably in extreme weather conditions

## :- Package Contents

The device is shipped with the following items. If any of these items is missing or damaged, please contact your customer service representative for assistance

| Contents | Pictures | Number |
| :--- | :---: | :---: |
| IES-180-L |  | $x_{1}$ |
| DIN-rail Kit |  | $\mathrm{x}_{1}$ |
| Wall-mount Kit | 0 | x 2 |
| Q1G |  | x 1 |

## :- Preparation

Before you begin installing the switch, make sure you have all of the package contents available.

- Safety \& Warnings

1. Elevated Operating Ambient: If installed in a closed cabinet, the operating ambient temperature of the rack environment may be greater than room ambien. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified
by the manufacturer. by the manufacture
$\triangle$ Reduced Air Flow: Installation of the equipment should be such that the
amount of air flow required for safe operation of the equipment is not amount of air
compromised.
1 Mechanical Loading: Mounting of the equipment in the din-rail should be such that a hazardous condition is not achieved due to uneven mechanical loading.
Circuit Overloading: Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate onsideration of equipment nameplate ratings should be used when addressing his concern.

Dimension (Unit: mm)




- Panel Layouts


1. PWR LED 2. Link/Act indicator for LaN 2. Link/Acti $\square$

2. Terminal block

Real Pane


1. Wall-mount screw holes
2. Din-rail screw holes

## Industrial Unmanaged Switch

## Installation

- DIN-rail Installation

Step 1: Slant the switch and screw the Din-rail kit onto the back of the switch, right in the
Step 2: Slide the switch onto a DIN-rail from the Din-rail kit and make sure the switch clicks into the rail firmly.


- Wall-mounting

Step 1: Screw the two pieces of wall-mount kits onto both sides of the switch. A total of eight screws are required, as show below.
, With wall mount plates attached, as a guide to mark the correct locations of wall-mount screws.
Step 3 I Insert screw through the large parts of the keyhole-shaped apertures, and then slide
the switch downwards. Tighten the four screws for added stability.


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IIES-1.80-L

## : Specifications

## Network Connection

 The device has standard Ethernet ports. According to the link type, the switch uses CAT 3,4, 5,5e UTP cables to connect to any other network devices (PCs, servers, switches,
routers, or hubs) Please refer to the following table for cable specifications. revers or hus). Please refer to the following table for cable specifications.


\section*{For pin assignments for the cables, please refer to the following table. <br> | 10/1008sese-T(X) R-45 |  |
| :---: | :---: |
| Pin Number | Assigment |
| 1 | ${ }_{\text {To }+}$ |
| 2 | тD. |
| 3 | RD + |
| 4 | Not used |
| 5 | Not used |
| 6 | Ro- |
| 7 | Not used |
| 8 | Not used | <br> Note: + and $\begin{aligned} & \text { mach wign pair }\end{aligned}$}

- Wiring

Power inputs
The switch provides a $10 \sim 30 \mathrm{VDC}$ voltage power input on a
pin terminal block. Follow the steps to connect the power.
pin terminal block. Follow the steps to connect the power.
STEP 1 Insert the negative/positive wires into the V - $\mathrm{V}+$
STEP 2: To keep the D
flat-blade screwdriver to to tighten from pulling loose, use a small

front of the terminal block connector.

## :Configurations

After installing the switch and connecting cables, start the switch by turning on power. The green power and LEDs should turn on

- LED indication table



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