



# IDPS-48-240-XT Hardware Installation Guide

## Introduction

This document contains instructions for the installation of a Perle IDPS-48-240-XT industrial-grade power supply.

## Package List

- One IDPS-48-240-XT power supply
- This guide



<b>INPUT: 85–264 VAC or 120–370 VDC</b>	
1 Input connections:	AC Live terminal or DC(+) Terminal
2	AC Neutral terminal or DC(-) Terminal
3	Gnd ( terminal)
4 Output connections:	DC OK (LED) Off – No power to the IDPS (check power connections and power source) On – IDPS is receiving power
5	DC OUTPUT terminals (-v)(-v)(+v)(+v)

## Connecting AC or DC Power to the IDPS

1. Prior to connection, verify that power is off to the AC or DC circuit that you are going to attach to the AC/DC input power supply.
2. Strip all wires 5mm (3/16<sup>th</sup> inch).
3. Loosen the terminal screws for ⊕(Ground), N(eutral) and L(ive-line). Insert wire-leads of appropriate type and wire size into each terminal.
4. Secure the wire-leads and tighten the terminals screws (0.5Nm-0.6Nm torque).
5. Ensure that only insulated wire extends from the terminal connectors.
6. Turn on power at source.

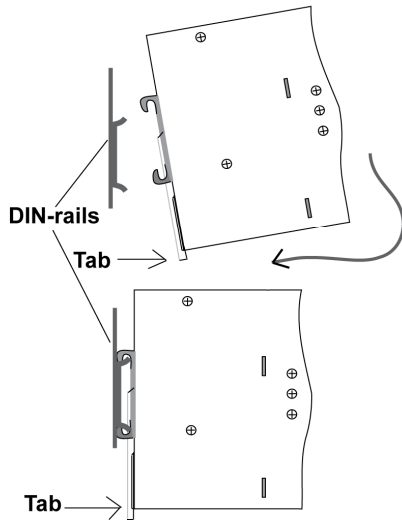
## Connecting DC Power to end devices

1. Prior to connection, ensure that power is turned off at source.
2. Strip both wires 5mm (3/16<sup>th</sup> inch).
3. Loosen the terminal screws for +V and -V. Insert wire-leads into the power supply's DC OUT terminal connector positive (+) and negative (-) terminal connector.
4. Secure the wire-leads and tighten terminals screws (0.5Nm-0.6Nm torque).
5. Ensure only insulated wire extends from the terminal connectors.
6. Connect the other end of the wire-leads to the INPUT DC terminal connectors on the end device.
7. Turn on power at source.
8. Check that the DC OK LED is On.

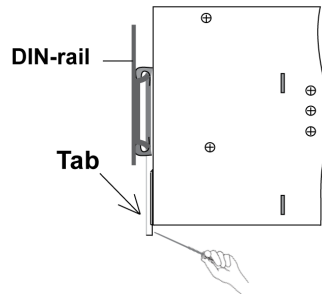
## Mounting the IDPS to a DIN-rail

1. The DIN-rail clip is integrated on the back of the IDPS.
2. Position the IDPS such that the top of the integrated DIN-rail opening fits into the slot on the top of the DIN-rail.
3. Press the IDPS towards the DIN-rail until it is vertical to the DIN-rail and the bottom snaps into the bottom DIN-rail. The IDPS is now secured to the DIN-rail.
4. To release the IDPS from the DIN-rail, use a small flat edge screwdriver gently pry downwards on the Tab at the bottom of the IDPS until the IDPS is released from the DIN-rail.

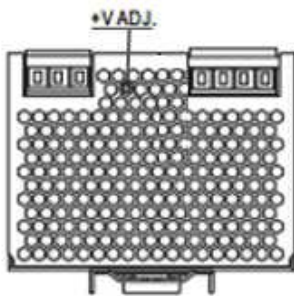
## To Mount



## To release



## Adjusting the voltage range



The voltage range can be adjusted between 48-53V via the screw on the bottom of the IDPS switch.

### Warnings



**Electrical Shock:** Any exposed wire leads from a power source can conduct harmful levels of electricity. Only insulated wire should extend from any terminal connectors



Power sources must be off prior to beginning the power connection steps.



Ensure that the voltage and current ratings of the intended end devices are appropriate for the IDPS power supply as indicated on the product label.



Ensure that the installation and electrical wiring of the equipment is performed by trained and qualified personnel and that the installation complies with all local and national electrical codes.



If this unit is to be installed in a location where the ambient temperature exceeds 50C, the case temperature may exceed safe levels. For this reason, this unit should be installed in a restricted access location where access can only be gained by service personnel or users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken; and access is through the use of a tool or lock and key, or other means of security, and is controlled by the authority responsible for the location.