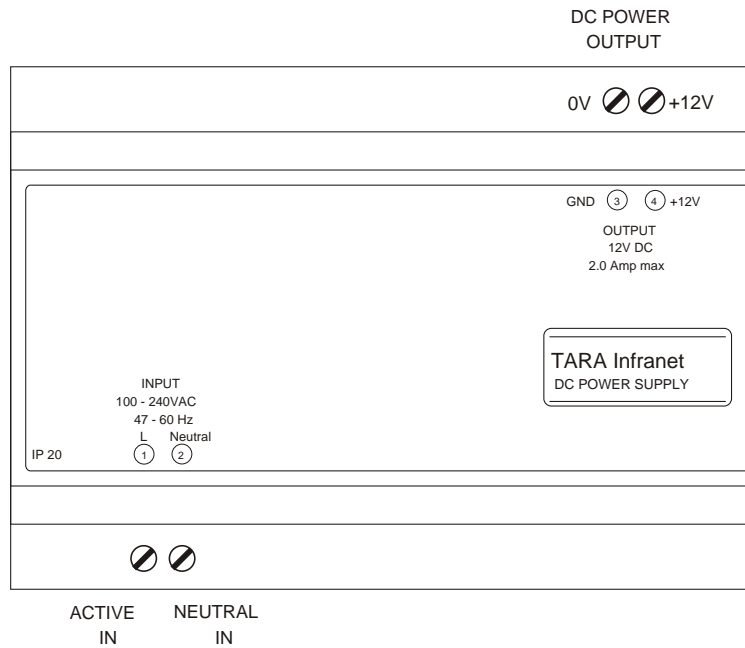




# Tara Infranet DC Power Supply

## Installation and Operating Instructions



Product Number: NI-1301-0101

### Features:

The Tara Infranet DC Power Supply is a switch mode unit. It supplies the 12VDC power requirements to network devices such as:-

- Tara Infranet 6 & 10 Relay Units
- Tara Infranet Dimmer Units
- Tara Infranet Fan Units
- Tara Infranet IR Receiver Units

Where more than one electrical enclosure is used to house Tara Relay, Fan or Dimmer units in a given installation, a separate DC Power Supply is required per enclosure.

### Technical Specifications:

#### Input

Input Voltage: 100 to 240 VAC (auto selecting)

Input Frequency: 47 to 63 Hz

Input Current: 0.8A max

### Technical Specifications:

#### Output

Voltage: +12.0 VDC +/- 5%

Current: 2.0 Amps max  
(ensure that the combined load of Relay Panels, Dimmers, Fan Units and/or IR Receivers doesn't exceed this rating)

Power: 25 W max

Ripple and Noise: 120mVp-p (2%) max

Overvoltage Protection: 13.4 to 15.8 VDC

Overcurrent Protection: constant short circuit protected

Ambient Operating Temperature: 0 - 35C °

Environmental Rating: IP20

Installation:

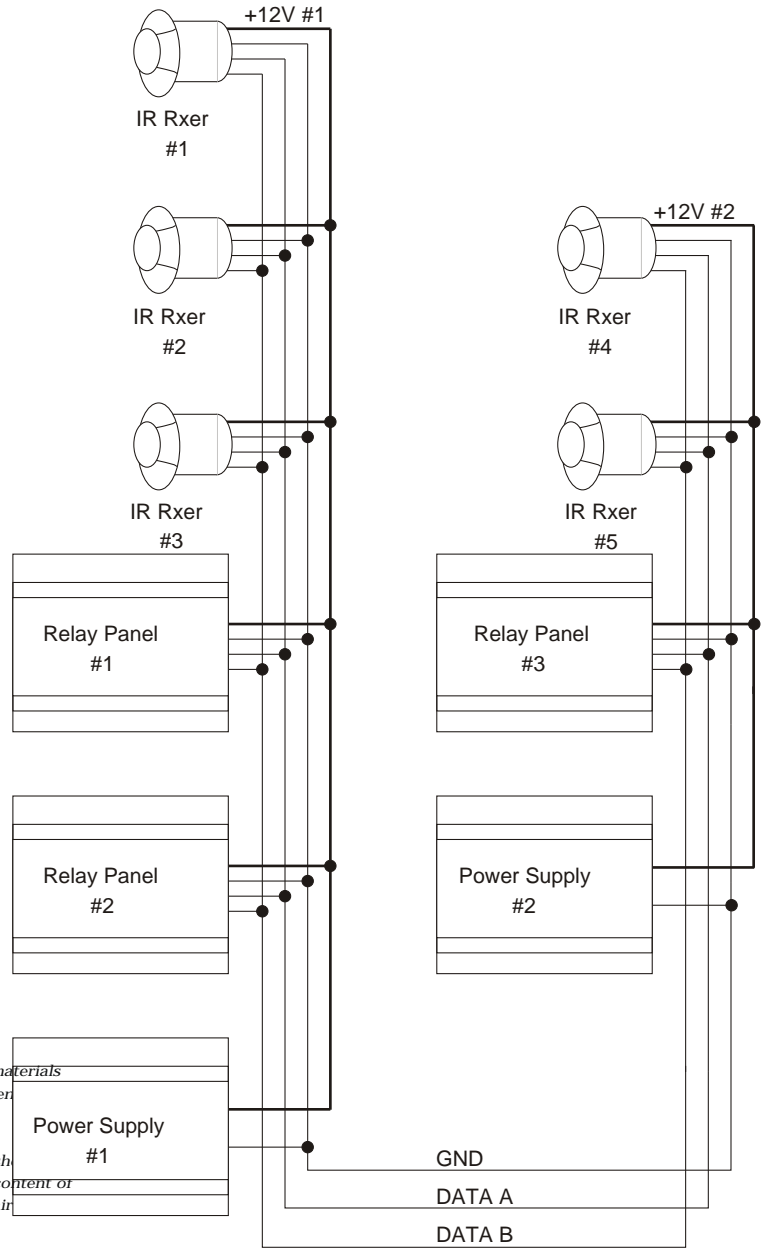
Warning

This unit operates at voltages which are potentially lethal. It is illegal for anyone other than a suitably qualified electrician or other qualified person to install or work on the fixed wiring of an electrical installation.

1. Disconnect power at the main switch board (by switching off circuit breaker or removing fuse).
2. Install the unit on the desired DIN rail in the enclosure.
3. Wire off the unit. The DC output should be wired to Relay Units, Dimmers and Fan Units with 1.5 mm minimum gauge wire.
4. Wiring to IR Receiver Units can be via the twisted pair or telephone style cable.

Caution!!

- ◆ When two or more Tara Infranet DC Power Supplies are used in one installation, the 0V (GND) terminals must be connected together. This connection may be via the network cable, or via a dedicated single core cable.
- ◆ When two or more Tara Infranet DC Power Supplies are used in one installation, the +12V terminals must NEVER be connected together. With this in mind, care must be taken in wiring the DIN rail enclosures as well as the network cabling.



Example: Network Cabling

WARRANTY

This product is guaranteed for 3 years from the date of purchase against any defects in materials or workmanship used in or associated with the manufacture and assembly of the equipment. The guarantee applies only to the original owner and is not transferable.

The guarantee does not cover failure due to accidental damage, lightning strike, misuse, short-circuited, loading beyond rating, negligence or any alteration whatsoever to the form or content of the equipment. The guarantee becomes null and void if any adjustment, part replacement or repair is carried out by any person other than an authorised service agent.

The purchaser shall be responsible for any expenses involved in making the equipment readily accessible for servicing, and where the equipment is installed outside the capital city metropolitan area of the retailer, for any travelling expenses and any costs for transporting the equipment or parts thereof to and from the retailer or service branch. The purchaser must produce proof of date of purchase together with this guarantee when making a claim.

TARA Holding Pty. Ltd. reserves the right to change designs or specifications described in this manual without obligation and without notice.