

# Titan I/O Network Power Supply for RCP

The Titan I/O Network Power Supply (IOPS) provides reliable regulated control power and I/O communications for the Titan system.



This model is supplied on an Argus RCP (relay control panel) mount for installation in Argus combination panels.

## Applications



I/O Power Supplies (IOPS) are used on the Titan system to provide power and pass-through communications for the connected devices in an I/O network segment.

They are equipped with intelligent input/output signal fault detection, each power supply monitors for under/over-current conditions to protect the other devices on the network.

The managed power design enables superimposition of the communication signals using a two-wire connection to each node on the network. Each IOPS module powers one network segment. The number of powered segments required on each I/O network is determined by the calculated load of the hardware to be powered.

## Alternatives

IOPS modules are required on all Titan I/O networks.

## Features

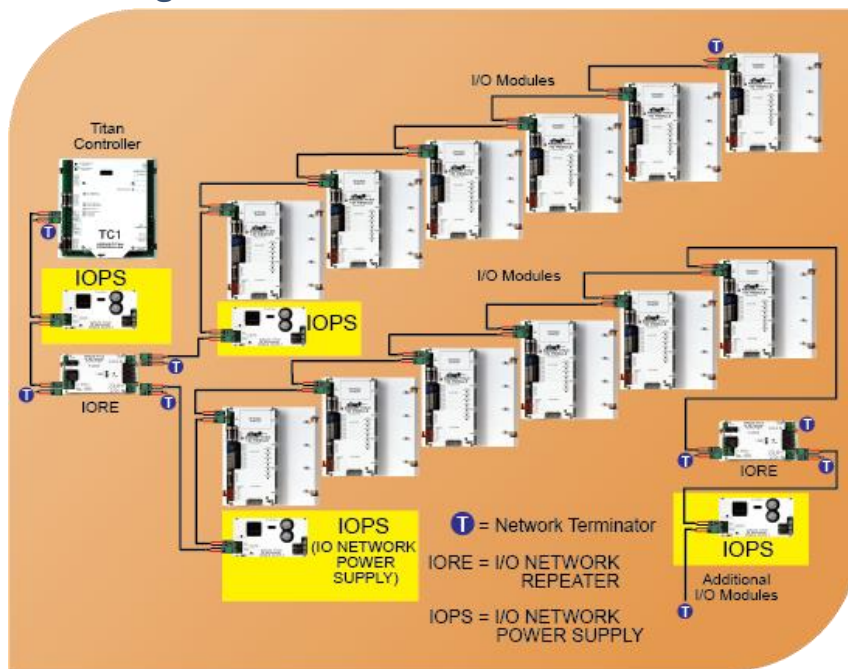
**Over Voltage Protection** – Power supply switches off and visibly indicate when input voltage is greater than 32VAC.

- **Zero Voltage Turn On** – Reduces inrush current that may cause interference to the environment and the microprocessor.
- **Short Circuit Protection** – The IOPS switches off when the output is shorted to prevent the fuse from blowing.
- **Over Current Protection** – Intelligent programming detects an accumulated over-current condition and will switch off supply to protect components from overheating.
- **Zero Current Turn Off** – Reduces inrush current that may cause interference to the environment and the microprocessor.
- **Automatic Recovery** - The IOPS attempts to resume power delivery after an error condition is detected and continue to repeatedly test for removal of the error before switching on.

## Specifications

<b>Dimensions</b>	8" x 4 1/2" x 1 1/2" (length x width x height)
<b>Power Requirements</b>	24VAC 75VA transformer (Class II) - i.e. Argus Part # RM-2TX75
<b>Max. Operating Power Output</b>	50W (29VDC @ 1.7A)
<b>Max. Peak Power Output</b>	60W (27VDC @ 2.2A)
<b>Min. Input Voltage</b>	24VAC
<b>Max. Input Voltage</b>	32VAC
<b>Max. Current Load</b>	2.2A (@ 27VDC)
<b>Power Output Type</b>	Current-limited switching power supply
<b>Temperature Range</b>	0 – 50°C

## Wiring Details



Typical Wiring Configuration  
For installation, refer to the custom wiring diagrams supplied with each part.

**Example I/O Network Configuration:** The wiring for each I/O Network is custom engineered to match the physical layout, the controlled applications, and the distances spanned. For installation, refer to the custom drawings supplied with the control system.

## Additional Information

For more information, please contact Argus.

