

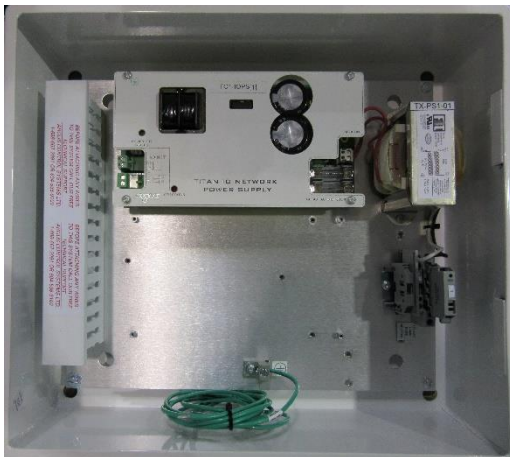
Titan I/O Network Power Supply

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 in a UL Type 4 (NEMA 4) rated aluminum enclosure.



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

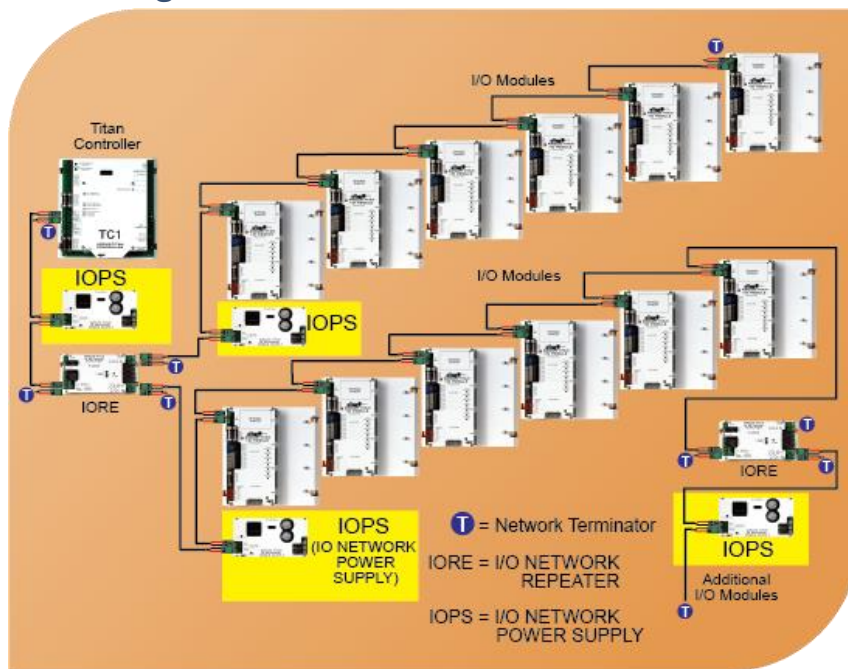
Over Voltage Protection – Power supply switches off and visibly indicate when input voltage is greater than 32VAC.

- **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

Dimensions	12.75" x 14.25" x 4.5" NEMA/UL/CSA Type 3R, 4, 4X, 12-AL. *We recommend following local electrical codes as applicable. Modular quarter-turn latches are included with an option to swap these out for key lock and non-key lock handles.
Power Requirements	24VAC 75VA transformer (Class II) – for example, Argus Part # RM-2TX75
Max. Operating Power Output	50W (29VDC @ 1.7A)
Max. Peak Power Output	60W (27VDC @ 2.2A)
Min. Input Voltage	24VAC
Max. Input Voltage	32VAC
Max. Current Load	2.2A (@ 27VDC)
Power Output Type	Current-limited switching power supply
Temperature Range	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.

