



3401S2

Triconex Digital Output Module

Product scope

- Drives discrete field loads from the Tri-GP v2 output architecture.
- Supports multiple baseplates for different current and voltage duties.
- Uses output-voter diagnostics for online fault detection.
- The ordered item is the 3401S2 standard digital-output module rather than the supervised 3411S2 model.

Official source basis

Invensys Triconex, Planning and Installation Guide for Triconex General Purpose v2 Systems, Digital Output Components.

Technical facts are limited to the identified manufacturer documentation and the exact ordering configuration shown above.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	Triconex 3401S2	

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3401S2 technical profile

Triconex 3401S2 supplies discrete output commands through the Tri-GP v2 triplicated control path. It can be paired with several baseplate arrangements so one module family can serve conventional, low-current, high-voltage or relay-isolated field circuits.

Output voter diagnostics compare the internal command paths and report abnormal switching behavior to the controller. The baseplate contains the field interface, terminal arrangement and protection suited to the selected load category.

Do not choose the module from the catalog number alone: verify 2401S2, 2401LS2, 2402S2 or the approved external relay kit. Load voltage, current, inrush and required fail state must be confirmed before energization.

Selection notice

3401S2 electrical duty is set by the installed baseplate; verify the exact 2401/2402 variant and load type before replacement.

Technical specifications

Output family	Tri-GP v2 digital output
Standard baseplate	2401S2
Low-current baseplate	2401LS2
High-voltage baseplate kit	2402S2
Hazardous-location kit	2402AS2
Relay ETP	3000763-110
Interface cable	9106-310F
External termination baseplate	3000764-310
Control architecture	Triplicated command paths
Output diagnostics	Voter diagnostics
Module keying	Mechanical
Field power	Determined by installed baseplate
Load class	Defined by selected termination assembly
High-current supervised variant	3411S2, separate model
Online maintenance	Supported by system procedure
Operating temperature	0 to 60 °C
Storage temperature	-40 to 85 °C
Humidity	5 to 95%, non-condensing
System architecture	Triple Modular Redundant

Application and integration notes

Control	• Triplicated controller commands are resolved by the module output-voting circuitry. • Individual output points follow the application state and configured de-energized behavior. • The selected baseplate converts the module command into the required field switching method.
Diagnostics & Protection	• Output-voter diagnostics continuously test the ability to command the opposite state. • Module status and point indications support fault localization during online maintenance. • Protection and fuse arrangements depend on the attached direct or external-termination baseplate.
Safety	• The module participates in the fault-tolerant Tri-GP controller architecture. • High-current supervised service uses the separate 3411S2 design rather than this standard module. • Field-circuit suitability must be demonstrated for the selected voltage, load and fail-safe philosophy.

Request product documentation and quotation support

Send the complete label, system configuration, quantity and destination.



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