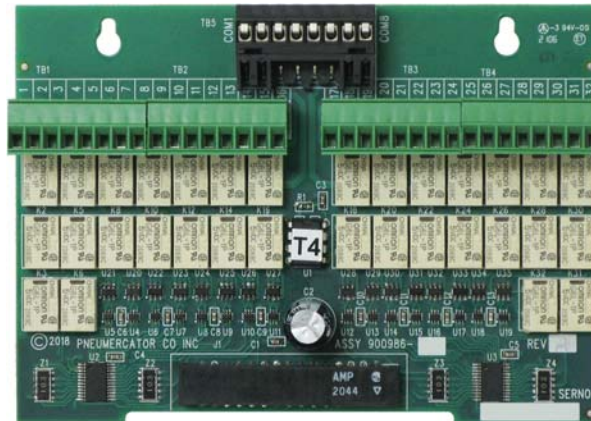


32 Fully Programmable Relay Outputs for use with the TMS4000 and TMS4000W Series Tank Management Systems



Product Description

The 900986-1 32-Relay Output Card is a field-upgradeable plug-in option for both the TMS4000 wired and TMS4000W wireless Series Tank Management Systems, providing thirty-two (32) 1 Form A relay contact outputs on a card measuring less than 5”[125mm] across, for a total system capacity of 64 relays with two cards installed. The card is designed primarily for signaling applications to Building Management Systems (BMS) or PLCs, but can also be used for light loads, provided both the relay ratings and common terminal load ratings listed below are not exceeded. The relays are divided into 8 banks of 4 outputs, where each bank has its own common return connection. This arrangement allows electrically-isolated connections to eight different BMS or PLC systems on one card. All relay outputs are uncommitted and fully programmable via the console front panel or any of the available communications interfaces. Each relay output is programmable to trigger on any combination of events, including product, water or temperature setpoints, in-tank leak, theft, sensor leak or point level sensor alarms, contact closure input or system errors. Additionally, relays are individually programmable for failsafe mode; delayed shutoff and latching modes. All relay output connections are provided via plug-in terminal blocks for ease of wiring and board replacement.

Applications

- BMS/PLC Interface
- Remote Annunciators: Overfill, High, Low, Leak

Specifications

- Output Type: Relay, Dry Contact, Programmable, UL/CSA listed
- Relay Contacts: 1 Form A, Rated: 1 A @24 VDC
- Common Terminal Rating: 4 A maximum per 4-relay bank
- Maximum Wire Gauge: 18 AWG
- Output Triggers:
 - Site-specific alarms: Theft, System Errors, System Power Failure
 - Tank Alarms: Product, Water and Temperature Setpoints, In-Tank Leak
 - Leak/Point Level Sensor Alarms
 - Contact Closure Inputs (From other relay I/O board)
 - Note: Each trigger event can control up to three (3) separate relays
- Output Modes: Failsafe, Latching, Delayed Shutoff, Front Panel Acknowledge
- System Requirements: One (1) Non-hazardous I/O Expansion Slot

Model Numbers

- 900986-1 for TMS4000, TMS4000W