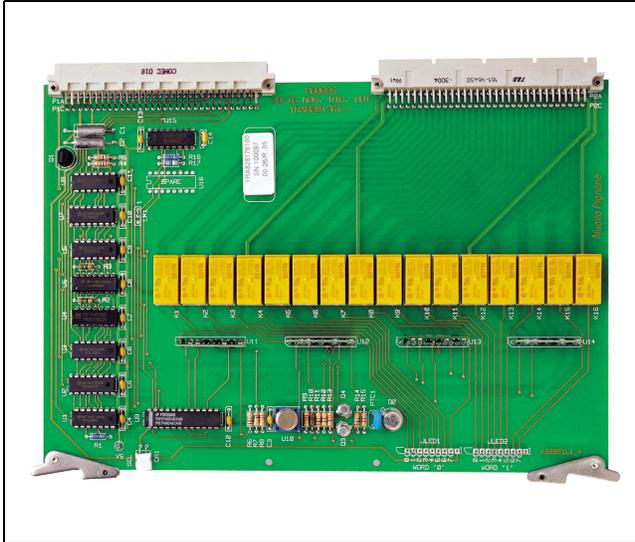


I/A Series[®] Remote Terminal Unit (RTU) RTU 20 – 16 Momentary Digital Output Module



The 16 Momentary Digital Output module is a full-size electronic board in the I/A Series RTU 20 designed to drive 16 digital outputs through voltage-free monostable relay contacts.

The module can activate output contacts one-by-one and is equipped with circuit checking for the unique control selection.

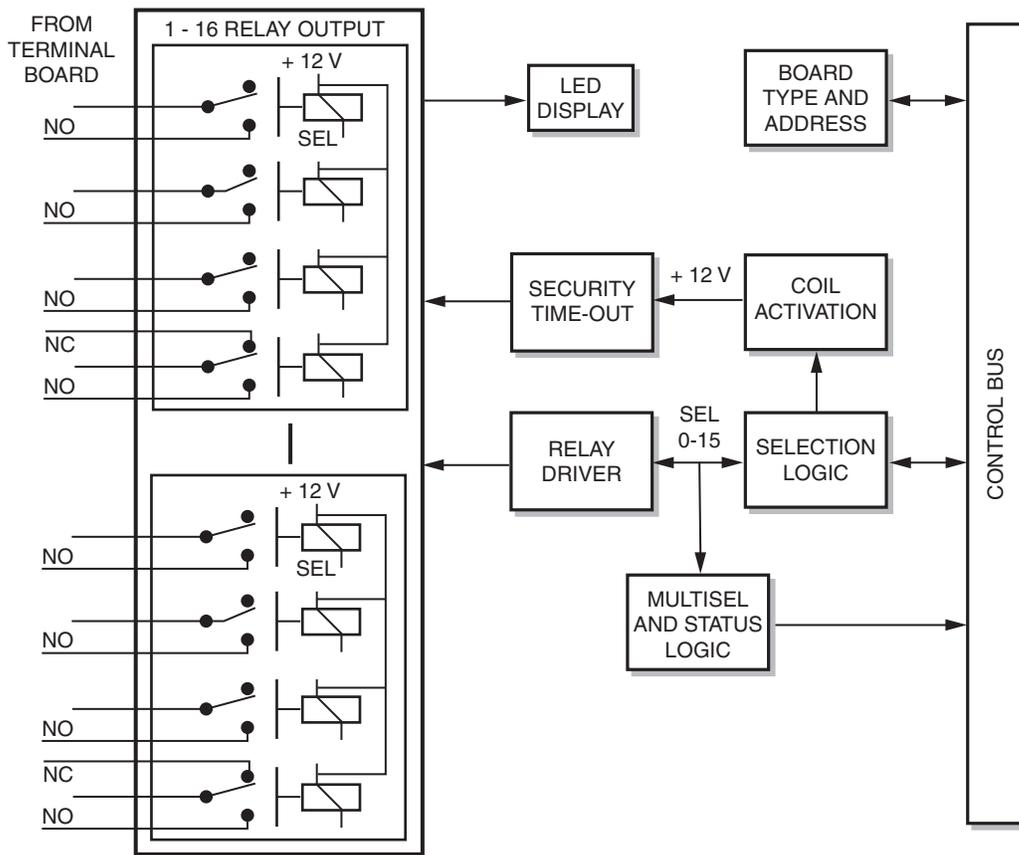
Field devices can be directly driven by on-board relays with gold-plated output contacts and an expected lifecycle of 10^8 operations. Each relay provides a 1500 Vrms coil contacts isolation.

Four outputs have SPDT (single-pole, double-throw: Common + NO + NC) contacts, while the other twelve are SPST (single-pole, single-throw: Common + NO).

The monostable command execution time is both hardware and software programmable. Using the latter, a short or long contact retention time can be specified by the incoming control message. The execution times are selectable within a range of 0.1 to 20 s with 0.1 s steps.

Several LEDs, located on the module's front edge, provide local fault indication and digital output status (one LED for each output), while an optional alphanumeric LCD display (mounted on the RTU cabinet) can monitor the module status, on request.

16 MOMENTARY DIGITAL OUTPUT MODULE – BLOCK DIAGRAM



SPECIFICATIONS

Outputs

16 timed contacts, retention time 0.1 to 20 sec.

Maximum Power Requirements

+5 V dc/3 mA, +12 V dc/16 mA (on relay activation)

Isolation Voltage

1500 Vrms (relay coil contacts), 1000 Vrms (contact-contact)

Relay Specification

Expected lifecycle: 10⁸ operations, gold-plated contacts, voltage-free contacts

Maximum Load (UL/CSA Rating)

2 A at 30 V dc

Maximum Switching Capacity (UL/CSA Rating)

dc ONLY
60 W, 48 V

Operating Temperature

-25°C to +70°C

Field Cable Connection

Removable screw-terminal blocks on dedicated terminal board connected to module backplane

Diagnostics and Status

LED indicators on module's front edge

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