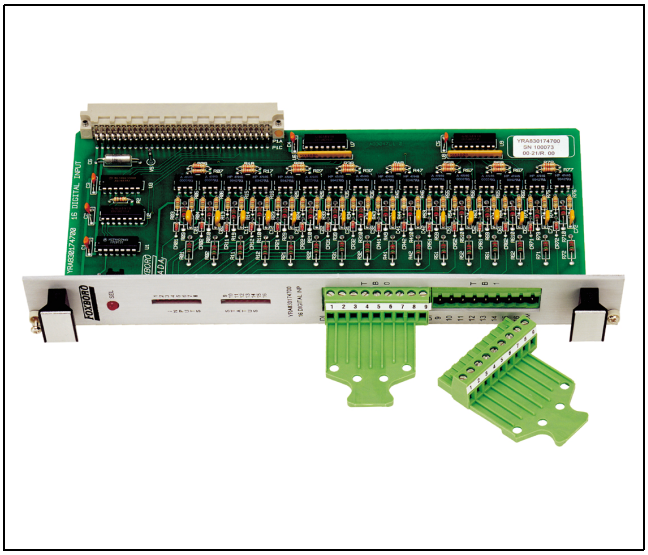
FOXBORO®

PSS 21H-8F4 B4

I/A Series® Remote Terminal Unit (RTU)
RTU 20 – 16 Digital Input Module



The 16 Digital Input module is a half-size electronic board in the I/A Series RTU 20 designed to read 16 digital inputs from the field through independent opto-isolated channels.

The module manages status and/or alarm signals acquired from voltage-free field contacts and powered by the RTU at 24 V dc. Grounded common contacts can be read.

Maximum load current per contact is 1.5 mA.

All inputs are contact debouncing filtered.

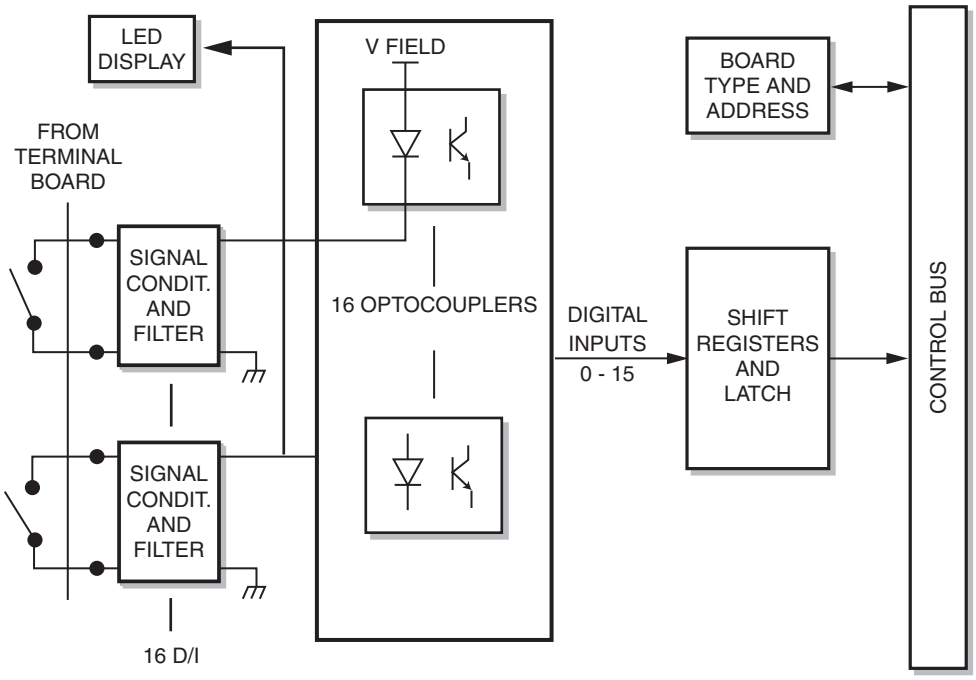
The module's input side section provides high circuit isolation from field signals (up to 1500 Vrms).

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

Invensys™

Product Specifications

16 DIGITAL INPUT MODULE – BLOCK DIAGRAM



SPECIFICATIONS

Inputs
16 opto-isolated inputs

Maximum Power Requirements
+5 V dc, 8 mA

Contact Power Requirements
+24 V dc (maximum 24 mA) powered by RTU power supply unit

Contact Load
1.5 mA per contact

Isolation
1500 Vrms

Contact Impedance
Closed contact < 5 KOhm
Open contact > 100 KOhm

Operating Temperature
–25°C to +70°C

Field Cable Connection
Removable screw-terminal blocks on module's front edge

Diagnostics and Status
LED indicators on module's front edge

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