

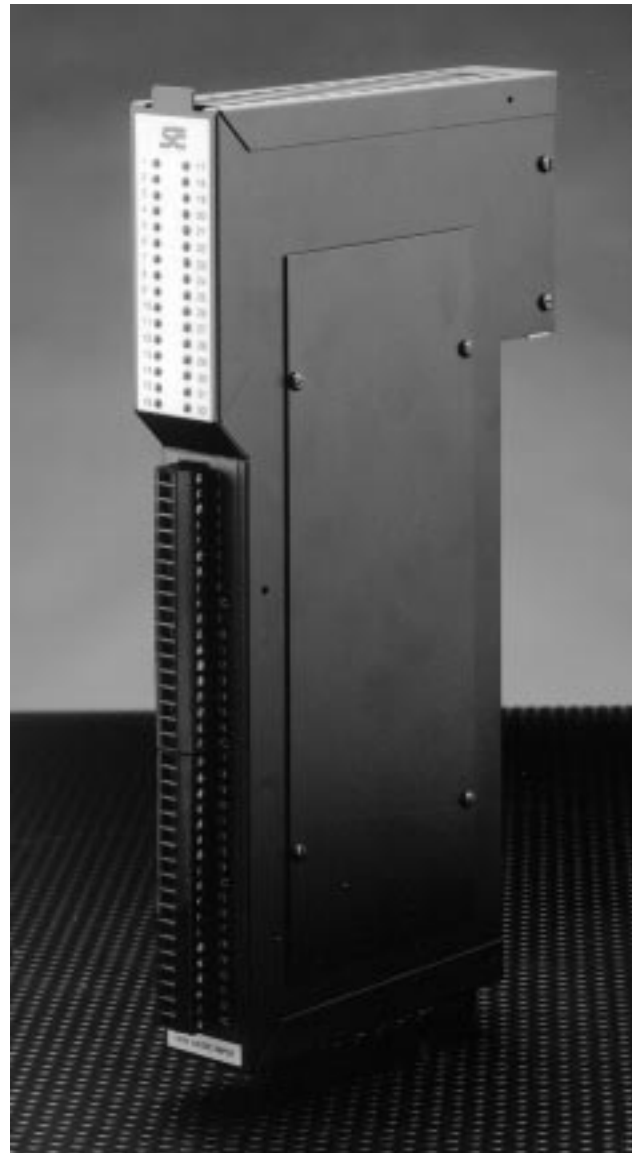
8000 RDI-332

The 8000 RDI-332 digital input module provides the capability of monitoring 32 channels of 120 VAC or VDC input points under the supervision of a Square D Company SY/MAX® Model 300, 400, 500, 600, 650, or 700 Processor. The module is packaged in a steel case and plugs directly into a register slot to provide high-density I/O.

This digital input module contains 32 optically isolated input points. Each input is AC filtered for improved noise immunity.

There are two columns of red LED indicators located on the front of the module, each of which corresponds to one of the input points. Each LED illuminates when an input is read as ON by the module.

The module requires no external power supply to operate as it draws its power from the SY/MAX Power Supply connected to the rack. Two removable terminal strips allow quick replacement of the module by eliminating the need for rewiring.



APPLICATIONS

- Limited rack space
- Limited cabinet depth
- AC or DC applications

BENEFITS

- 32 input points per module
- SY/MAX® Models 300, 400, 500, 600, 650, or 700 processor compatible
- Plugs directly into a register slot
- Compatible as local or remote I/O
- Removable field termination strips
- Standard depth module

8000 RDI-332

ELECTRICAL SPECIFICATIONS

Inputs Per Module	32
Inputs Per Common	8
Maximum Input Voltage	138 V _{AC} & 138 V _{DC}
Must Turn ON Voltage	100 VDC
	90 V _{AC} (RMS)
Must Turn ON Current	1.6 mA DC
	1.5 mA AC (RMS)
Must Turn OFF Voltage	40 V _{DC}
	50 V _{AC} (RMS)
Must Turn OFF Current	0.50 mA DC
	0.65 mA AC (RMS)
Input Impedance	70K ohms (resistive)
Common to Common Isolation	1500 V (RMS)
Common to Ground Isolation	1500 V (RMS)
Input to Logic Isolation	1500 V
Turn ON Time	10 ms (nominal)
Turn OFF Time	10 ms (nominal)
Typical Power Requirements	550 mA
LED Operation	Red LEDs illuminate when the input circuitry detects that the proper input voltage is present at that channel.
Rack Compatibility	RRK-100/200/300, HRK-100/150/200, CRK-210/300, DRK-210/300, GRK-110/210

PHYSICAL SPECIFICATIONS

Weight	2.9 lb, 1.3 kg
Dimensions (HxWxD)	1.5 x 12.8 x 6.6 in. 3.8 x 32.5 x 16.8 cm

ENVIRONMENTAL SPECIFICATIONS

Ambient Temperature Rating	0-60° C / 32-140° F (operational)
Humidity Rating	5-95% Relative Humidity (non-condensing)
Storage Temperature	-40 to 100°C

ORDERING INFORMATION

Part Number	8000 RDI-332
Description	32-Channel 120VAC/VDC Digital Input Module

OTHER SPECTRUM PRODUCTS

Industrial PLC I/O Products

Digital	Input: High Density, Isolated, Counters Output: High Density, High Power, Form C
Analog	Combination, Output, Temp.

Operator Interface Products

SOI-120	2x20 LCD
SOI-200	4x20 LCD
SOI-250	4x20 VFD
SOI-260LC	4x20 LCD
SOI-260VF	4x20 VFD

Communications Products

Communication Processor
RS-232 Converters

Industrial Computing Products

FLATpak Series	NEMA Rated
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