



## 2500C-16-DI-24V Discrete Input Module



### DESCRIPTION

The 2500C-16-DI-24V Module accepts a wide range of voltage signals. It is designed to accept both AC and DC voltage allowing the user to pick and choose ranges on a single module. Motor centers, optical sensors, limit switches and utility control are excellent examples of applications for this product

### FEATURES

- Single wide module
- 16 Channels Isolated in groups of 8 inputs
- Supports AC or DC voltage inputs
- Sourcing or sinking Inputs
- Channel On/Off Status Indication
- Uses CTI's 2500C-32F Connector

Input Specifications	
Inputs per module	16
Module Logon	16X
Signal Range	10 to 30VAC/VDC
Input current	VAC 1.4 - 9.3mA VDC 2.9 - 9.3mA
Operating Characteristics for Typical Input	
AC Voltage Input	Turn ON Time: 3.7mS Turn OFF Time: 15.0mS
DC Voltage Input	Turn ON Time: 3.14mS Turn OFF Time: 13.7mS

Module Size	Single wide module
Connector	2500C-32F
Backplane Power (MAX)	0.067 watts No inputs ON 1.188 All inputs ON
Input ESD Protection	IEC 1000-4-2 LEVEL 4
Isolation Isolated in groups of 8	1500 VDC Channel to Backplane 1000 VDC Group to Group
Shipping Dimensions and Weight	223.84mm x 109.86mm x 34.93mm, 0.234kg
Operating Temperature Range	0°C to 60°C (32°F to 140°F)
Storage Temperature Range	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% (non-condensing)
Agency Approvals Pending	UL, ULC, UL Class 1, Div 2, CE

#### 2500-16-DI-24V Default Shipment Settings

Operation Mode	NA
Logon	16X
Signal Range	10 - 30 VAC\VDC



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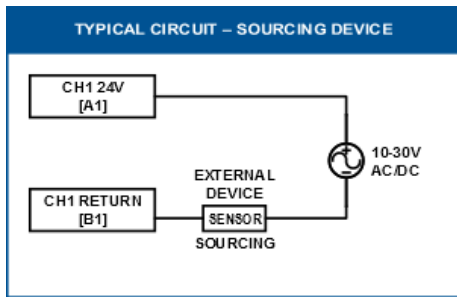
Channel 1	24V	A1	B1	Return	Channel 1 to 8
Channel 2	24V	A2	B2	Return	
Channel 3	24V	A3	B3	Return	
Channel 4	24V	A4	B4	Return	
Channel 5	24V	A5	B5	Return	
Channel 6	24V	A6	B6	Return	
Channel 7	24V	A7	B7	Return	
Channel 8	24V	A8	B8	Return	
Channel 9	24V	A9	B9	Return	Channel 9 to 16
Channel 10	24V	A10	B10	Return	
Channel 11	24V	A11	B11	Return	
Channel 12	24V	A12	B12	Return	
Channel 13	24V	A13	B13	Return	
Channel 14	24V	A14	B14 <td Return		
Channel 15	24V	A15	B15	Return	
Channel 16	24V	A16	B16	Return	

**2500C-16-DI-24V Wiring Connector**

**Note:**

The 2500C-16-DI-24V Discrete Input Modules use CTI Wiring Connector 2500C-32F. Please see the wiring connector specification table below. This connector is ordered separately from the module.

2500C-32F Specifications	
Connector Style	Removable
Number of Wiring Connections	32 point
Wire Gauge	14 to 22AWG
Screw Torque Value	5.22 lb-in
Current Rating	6A @ 300VAC
Insulation Stripping Length	0.24" 6mm
Connector Material	
Body:	Polycarbonate UL 94V0
Screw :	M3 Zinc plated Steel
Cage Clamp	Nickel Plated Brass
Socket Contact Spring:	Tin Plated Bronze
Retaining Screw:	M3 Zinc Plated Steel



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