



*You in Control*

# SC-200 SERIES

## TRIPLE DIODE MATRIX MODULE

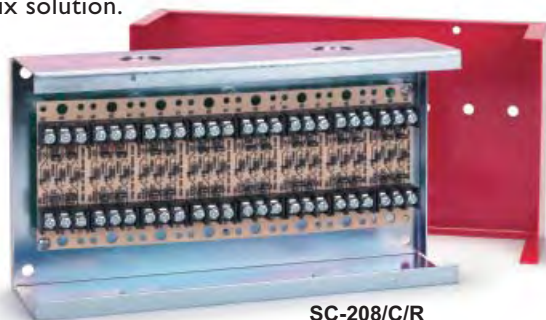
### PRODUCT DESCRIPTION

The SC-200 Series Triple Diode Matrix Modules provide a convenient way to insert diode based isolation and logic functionality to low voltage DC control circuitry. The SC-200 Series is equipped with three individual 1A diodes. The module also incorporates 4 re-configurable jumpers which allow for an individual common cathode and/or common anode matrix format. By jumpering from module to module, an endless size and format matrix can be application configured.

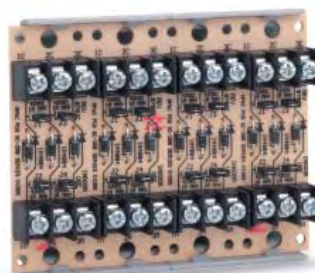
For isolation of a single circuit control input, polarization of control circuits, or custom application logic matrix construction, the SC-200 provides an easy field configurable diode matrix solution.



SC-201/C



SC-208/C/R



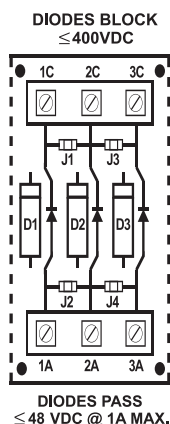
SC-204/T

### FEATURES

- ❖ Provides three diode circuits per module position
- ❖ Diode circuits can be jumper configured for independent, common anode, common cathode, and/or combinations
- ❖ Plug and header jumpers allow for easy future re-configuration
- ❖ Diodes are 1A (3W) rated for low voltage DC control circuits (400V PIV)
- ❖ "S" versions supplied with spacers for installation on standard back panels
- ❖ Compact PCB size allows for high density integration
- ❖ "T" versions come complete with track and track mounting hardware which facilitates installation in standard cabinets
- ❖ "T" versions are configured for an available optional DIN/"A" series rail mounted clip (TK-CL)
- ❖ "C" and "C/R" versions mounted in dust resistant enclosures
- ❖ "C/R" versions with red cover for NYC and other uses

### WIRING

(TYPICAL FOR ONE MODULE POSITION)



MEA ACCEPTED



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# PRODUCT SPECIFICATIONS

MODEL NUMBER	MODULE POSITIONS	TOTAL DIODE CIRCUITS	SPACER MOUNTED H x W x D	TRACK MOUNTED H x W x D	ENCLOSURE MOUNTED H x W x D	COVER MATERIAL	UL* FILE S3403	MEA FILE 73-92-E	CSFM FILE 7300-1004	
SC-201/S	1	3	3.25" (83mm) 1.06" (27mm) 1.10" (28mm)				UOXX2 UUKL2 NMTR2	:111		
SC-201/T				3.40" (86mm) 2.00" (51mm) 1.15" (30mm)			NMTR8 PAZX2 UEHX2			
SC-201/C						5.13" (131mm) 3.13" (80mm)	Grey ABS 94V-O Plastic			UOXX UUKL NMTR
SC-201/C/R						2.50" (64mm)	Red ABS 94V-O Plastic			NMTR7 PAZX UEHX
SC-202/S	2	6	3.25" (83mm) 2.13" (54mm) 1.10" (28mm)				UOXX2 UUKL2 NMTR2	:111		
SC-202/T				3.40" (86mm) 2.13" (54mm) 1.15" (30mm)			NMTR8 PAZX2 UEHX2			
SC-202/C						5.13" (131mm) 3.13" (80mm)	Grey ABS 94V-O Plastic			UOXX UUKL NMTR
SC-202/C/R						2.50" (64mm)	Red ABS 94V-O Plastic			NMTR7 PAZX UEHX
SC-204/S	4	12	3.25" (83mm) 4.25" (108mm) 1.10" (28mm)				UOXX2 UUKL2 NMTR2	:111		
SC-204/T				3.40" (86mm) 4.25" (108mm) 1.15" (30mm)			NMTR8 PAZX2 UEHX2			
SC-204/C						5.13" (131mm) 9.50" (241mm)	Plated 18ga CRS			UOXX UUKL NMTR
SC-204/C/R						2.50" (64mm)	Red 18ga CRS			NMTR7 PAZX UEHX
SC-208/S	8	24	3.25" (83mm) 8.50" (215mm) 1.10" (28mm)				UOXX2 UUKL2 NMTR2	:111		
SC-208/T				3.40" (86mm) 8.50" (215mm) 1.15" (30mm)			NMTR8 PAZX2 UEHX2			
SC-208/C						5.13" (131mm) 9.50" (241mm)	Plated 18ga CRS			UOXX UUKL NMTR
SC-208/C/R						2.50" (64mm)	Red 18ga CRS			NMTR7 PAZX UEHX

PEAK FORWARD POWER CAPACITY: Per diode circuit: 0 to 48VDC @ 0 to 1A max. (3W max.)

PEAK FORWARD VOLTAGE DROP: Per diode circuit: 1.1VDC @ 1A max.

PEAK INVERSE BLOCKING VOLTAGE: Per diode circuit: 400VDC

DIODE TYPE: IN4004, DO-41 package

ENVIRONMENTAL: 32°F to 120°F (0°C to 49°C) @ 93% RH, Non-condensing, Non-freezing

WIRING: Solid or Stranded; #12 to #22 AWG terminals

/S VERSIONS: Aluminum spacers provided with #8 X 7/8" mounting screws

/T VERSIONS: 3.5" wide, low profile plastic snap track provided with mounting screws

/C VERSIONS: Backbox: 18ga CRS, plated with 1/2" conduit knockouts top and bottom

\*UOXX (UL864) = Control Unit Accessories, System; 2=Component

\*UUKL (UL864) = Smoke Control System Equipment, System; 2=Component

\*NMTR (UL508) = Miscellaneous Apparatus, System; 2=Component; 7=Certified for Canada; 8=Certified for Canada, Component

\*PAZX (UL916) = Energy Management Equipment, System; 2=Component

\*UEHX (UL2017) = General Purpose Signaling Devices and Systems, System; 2=Component

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