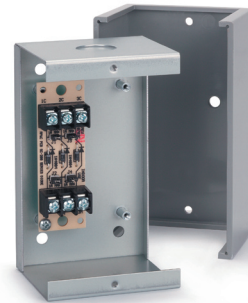# GATOR RELAYS
BY SPACE AGE ELECTRONICS

SC-200 SERIES
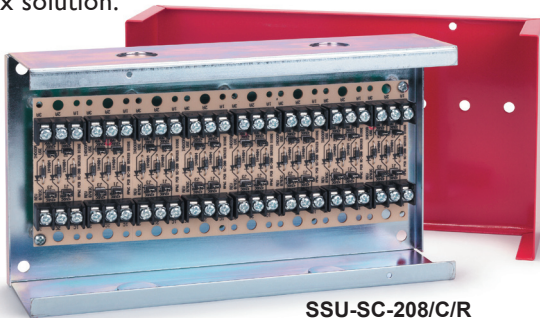## TRIPLE DIODE MATRIX MODULE

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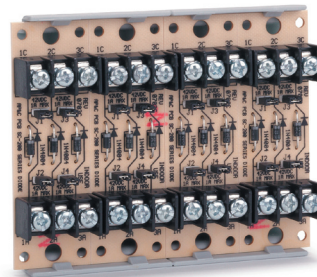
For isolation of a single circuit control input, polarization of control circuits, or custom application logic matrix construction, the SC-200 provides and easy field configurable diode matrix solution.

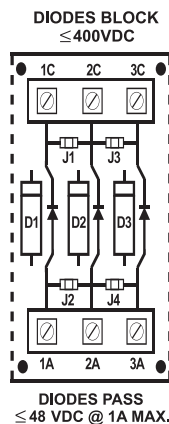**SSU-SC-201/C**

SSU-SC-208/C/R

SSU-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)

❖ 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 MR Series Snap Track (SSU-MR-8INTK)
❖ "/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)

DIODES BLOCK
≤400VDC

1C 2C 3C

J1 J3

D1 D2 D3

J2 J4

1A 2A 3A

DIODES PASS
≤ 48 VDC @ 1A MAX.

DIODES DROP
1.1 VDC @ 1A MAX.

⚠ CAUTION: DE-ENERGIZE ALL POWER BEFORE INSTALLATION OR SERVICE

c (UL) us
LISTED

CSFM LISTED

MEA ACCEPTED

RU RECOGNIZED COMPONENT

UUKL
Smoke Control

PRODUCT SPECIFICATIONS

MODEL NUMBER	MODULE POSITIONS	TOTAL DIODE CIRCUITS	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
SSU-SC-201/T	1	3	3.40" (86mm) 2.00" (51mm) 1.15" (30mm)			UOXX2 UUKL2 NMTR2 NMTR8 PAZX2 UEHX2		:111
SSU-SC-201/C				5.13" (131mm) 3.13" (80mm) 2.50" (64mm)	Grey ABS 94V-O Plastic	UOXX UUKL NMTR NMTR7 PAZX UEHX		
SSU-SC-201/C/R					Red ABS 94V-O Plastic		Vol.30	
SSU-SC-202/T	2	6	3.40" (86mm) 2.13" (54mm) 1.15" (30mm)			UOXX2 UUKL2 NMTR2 NMTR8 PAZX2 UEHX2		:111
SSU-SC-202/C				5.13" (131mm) 3.13" (80mm) 2.50" (64mm)	Grey ABS 94V-O Plastic	UOXX UUKL NMTR NMTR7 PAZX UEHX		
SSU-SC-202/C/R					Red ABS 94V-O Plastic		Vol.30	
SSU-SC-204/T	4	12	3.40" (86mm) 4.25" (108mm) 1.15" (30mm)			UOXX2 UUKL2 NMTR2 NMTR8 PAZX2 UEHX2		:111
SSU-SC-204/C				5.13" (131mm) 9.50" (241mm) 2.50" (64mm)	Plated 18ga CRS	UOXX UUKL NMTR NMTR7 PAZX UEHX		
SSU-SC-204/C/R					Red 18ga CRS		Vol.30	
SSU-SC-208/T	8	24	3.40" (86mm) 8.50" (215mm) 1.15" (30mm)			UOXX2 UUKL2 NMTR2 NMTR8 PAZX2 UEHX2		:111
SSU-SC-208/C				5.13" (131mm) 9.50" (241mm) 2.50" (64mm)	Plated 18ga CRS	UOXX UUKL NMTR NMTR7 PAZX UEHX		
SSU-SC-208/C/R					Red 18ga CRS		Vol.30	

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; #14 to #22 AWG terminals
/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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