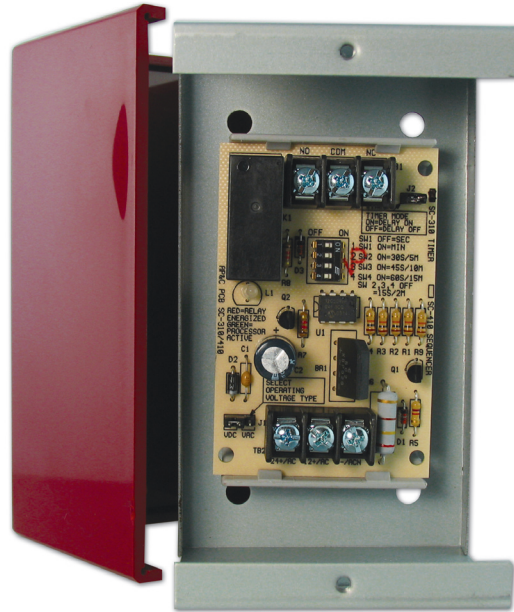


SC-310 SERIES TIMING RELAY MODULE

PRODUCT DESCRIPTION

The SC-310 Series Timing Relay modules provide convenient, programmable timing control functionality for a large range of applications. The module may be easily field configured (and re-configured) on demand for control input voltage type, timer delay modes and timing increments.

The SC-310 incorporates an extremely accurate microprocessor-based digital timing circuit for repeatable reliability and long life. In addition, each module includes a dual color LED, which provides visual status of control input voltage, timer circuitry activation and relay contact state. Automatic timer reset is accomplished by simply removing and/or momentarily interrupting the control input voltage. Timing relays may be used in cascaded and parallel configurations (and/or matrixes of both) for nearly endless custom application functionality. The SC-310 Series Timing Relay is suitable for Fire Alarm, Security, Access Control, CCTV, HVAC, Industrial Process Control, Energy Management, Lighting Control and General Purpose applications.



SSU-SC-311/C/R

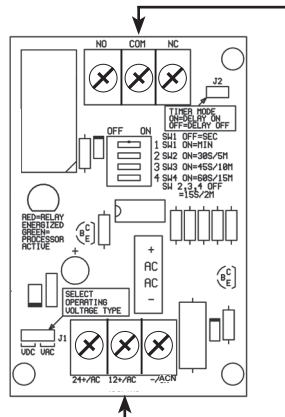
FEATURES

- ❖ Control input voltage choices of 12 or 24VAC/VDC
- ❖ DC type control inputs are polarized for use in supervised circuits and polarity reversal logic applications
- ❖ Timing mode choices of “Delay On” (delay relay on operation) or “Delay Off” (automatic relay shut down)
- ❖ Timing increment choices of 15, 30, 45 or 60 seconds; or 2, 5, 10 or 15 minutes
- ❖ Accurate microprocessor digital timing to 1/1,000,000th of a second
- ❖ All programming choices are easily field configured or re-configured without special tools
- ❖ Dual color LED status indicator yields “No-Tools” diagnostics; green for timer active and red for relay energized
- ❖ On board 5A dry form “C” (SPDT) contact for direct load switching and reverse logic functionality
- ❖ “/C” versions mounted in sturdy enclosures with LED viewing port(s)
- ❖ “/C/R” versions with red covers for NYC and other uses
- ❖ “/T” versions come complete with track and mounting hardware - track is pre-configured for an optional MR Series Snap Track (SSU-MR-8INTK)
- ❖ Comprehensive selection of Listings and Approvals

WIRING (TYPICAL FOR ONE MODULE POSITION)

NOTE: INPUT POWER SHOULD BE UL LISTED FOR FIRE PROTECTION SIGNALING SYSTEMS WHEN USED IN FIRE ALARM APPLICATIONS.

NOTE: DC CONTROL INPUTS ARE POLARIZED.



SPDT Contact:
Resistive: 5A @ 30VDC, 120VAC, 240VAC
1/8HP @ 250VAC
Inductive: 1.5A @ 24VAC, 120VAC, 240VAC
Power: 150W, 1200VA



RECOGNIZED COMPONENT



CSFM LISTED

MEA ACCEPTED

UUKL
Smoke Control

Control Input Voltages:
12 (9.6-13.2) VAC/VDC @ 60mA
24 (19.2-32.0) VAC/VDC @ 45mA

TIMING RELAY OPERATIONS

DELAY ON: Delays the transfer of a relay's contacts from the normal (non-energized) state until after a present amount of time has elapsed following application of the control input voltage.

DELAY OFF: Automatically returns a relay's contacts to the normal (non-energized) state after a preset amount of time has elapsed following application of the control input voltage, even though the control input voltage remains present. Also known as a "cut off" or "shut down" timer.

PRODUCT SPECIFICATIONS

MODEL NUMBER	MODULE POSITIONS	TRACK MOUNTED H X W X D	ENCLOSURE MOUNTED H X W X D	COVER MATERIAL	UL* FILE S3403/*E232859	MEA Acceptance/ CSFM Listing
SSU-SC-311/C	1		5.13" (131mm) 3.13" (80mm) 2.50" (64mm)	Grey ABS 94V-O Plastic	UOXX UOXX7 UUKL NKCR* PAZX UEHX	73-92-E-33/ 7300-1004:113
SSU-SC-311/C/R	1			Red ABS 94V-O Plastic		
SSU-SC-311/T	1	3.50" (89mm) 2.13" (54mm) 1.50" (38mm)			UOXX2 UOXX8 UUKL2 NKCR2* PAZX2 UEHX2	73-92-E-33/ 7300-1004:113
SSU-SC-314/C	4		5.13" (131mm) 9.50" (241mm) 2.50" (64mm)	Plated 18ga CRS	UOXX UOXX7 UUKL NKCR* PAZX UEHX	73-92-E-33/ 7300-1004:113
SSU-SC-314/C/R	4			Red 18ga CRS		
SSU-SC-314/T	4	3.50" (89mm) 8.50" (215mm) 1.50" (38mm)			UOXX2 UOXX8 UUKL2 NKCR2* PAZX2 UEHX2	73-92-E-33/ 7300-1004:113

POWER REQUIREMENTS:	Voltage	Active	Relay On
	12VDC	10mA	60mA
	12VAC	12mA	58mA
	24VDC	17mA	44mA
	24VAC	18mA	45mA

POLARIZED:	Yes, on DC control inputs
STATUS INDICATOR:	Dual color LED; Green = timer active; Red = relay energized
CONTACT CONSTRUCTION:	Dry Form "C" (SPDT)
CONTACT RATINGS:	Resistive: 5A @ 30VDC, 120VAC, 240VAC; 1/8HP @ 250VAC Inductive: 1.5A @ 24VDC, 120VAC, 240VAC Power: 150W, 1200VA
ENVIRONMENTAL:	32°F to 120°F (0°C to 49°C) @ 93% RH (@ 32°C), Non-Condensing / Non-Freezing
WIRING:	Solid or Stranded; #12 to #22 AWG terminals
"T" VERSIONS:	3.5" wide, low profile plastic snap track 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; 7=Certified for Canada; 8=Component Certified for Canada

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

NKCR (UL508) = Auxiliary Devices; 2=Component

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

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

