MULTI-FUNCTION | MULTI-RANGE

ANALOG-SET | TAA SERIES

- 6 field-selectable functions in one unit
- Large dial for setting of time delay
- 50ms to 100 Hours programmable timing range
- Universal 100-240V AC/ 24-240V DC input voltage
- Panel, track or surface mounting
- 1/16 DIN style case (comes with panel-mounting adapter)

MULTI-FUNCTION ◆	INPUT VOLTAGE	CATALOG NUMBER	WIRING/ SOCKETS ■
Includes Six (6) Functions Built-in (See "Definitions of Timing Functions".)	100-240V AC 50/60Hz & 24-240V DC	TAA1U	**SEE DIAGRAMS NEXT PAGE** 8 Pin Octal
Includes Six (6) Functions Built-in (See "Definitions of Timing Functions".)	100-240V AC 50/60Hz & 24-240V DC	TAA2U	**SEE DIAGRAMS NEXT PAGE** 11 Pin Octal

◆ See "Definitions of Timing Functions".
■ See below for Sockets & Accessories.

APPLICATION DATA

Voltage Tolerance:
±10% of rated voltage.

Load (Burden):
Less than 2.5 VA

Repeat Accuracy:
±0.01%, ±0.05 seconds (includes variation due to voltage and temperature changes).

Recycle Time:
0.2 seconds maximum.

Temperature:
Operating: -10° to 55°C (14° to 131°F)
Storage: -40° to 85°C (-40° to 185°F)

LED Indicators:
One red LED indicates Input Voltage/ Timing (flashing) & a second red LED indicates relay status.

Output Contacts:
5A DPDT Resistive @ 250V AC

Enclosure Protection Rating:
IP40 (front face)

Life:
Mechanical: 10,000,000 operations
Full Load: 100,000 operations

Approvals:
File #E236146

SOCKETS & ACCESSORIES

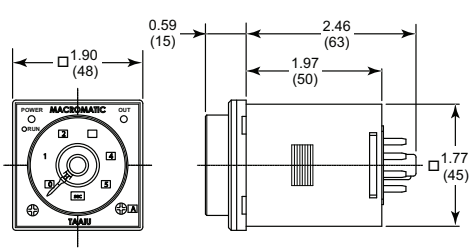
DESCRIPTION	PRODUCT NUMBER
8 Pin Octal Socket	70169-D❖
8 Pin Octal Socket (Back Mounting)	SR6P-M08G
11 Pin Octal Socket	70170-D❖
11 Pin Octal Socket (Back Mounting)	SR6P-M11G
Panel-Mounting Adaptor	Included

❖ For Surface or Track Mounting - See Sockets & Accessories for additional information

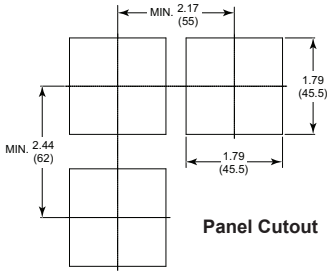
SR6P-M08G

SR6P-M11G

DIMENSIONS



All Dimensions in Inches (mm)



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DEFINITION OF TIMING FUNCTIONS

Analog-Set | TAA Series

Functions for TAA1U

t:Setting time, t > t−a, Rt:Return time(Max. 100ms)

Mode	Time chart
A POWER ON DELAY MODE	Power 2−7; Time limit contact NC 1−4 (8−5); Time limit contact NO 1−3 (8−6); Time limit output operation LED; Operation/power LED
A 1 POWER ON DELAY 1 MODE (One-shot output)	Power 2−7; Time limit contact NC 8−5; Time limit contact NO 8−6; Instantaneous contact NC 1−4; Instantaneous contact NO 1−3; Time limit output operation LED; Operation/power LED — 0.5sec, 0.5sec; ※One− shot output is 0.5sec fixed.
B POWER ON DELAY 2 MODE	Power 2−7; Time limit contact NC 8−5; Time limit contact NO 8−6; Instantaneous contact NC 1−4; Instantaneous contact NO 1−3; Time limit output operation LED; Operation/power LED
F FLICKER MODE	Power 2−7; Time limit contact NC 1−4 (8−5); Time limit contact NO 1−3 (8−6); Time limit output operation LED; Operation/power LED
F 1 FLICKER 1 MODE	Power 2−7; Time limit contact NC 8−5; Time limit contact NO 8−6; Instantaneous contact NC 1−4; Instantaneous contact NO 1−3; Time limit output operation LED; Operation/power LED
I INTERVAL MODE	Power 2−7; Time limit contact NC 8−5; Time limit contact NO 8−6; Instantaneous contact NC 1−4; Instantaneous contact NO 1−3; Time limit output operation LED; Operation/power LED

※When using F, F1 output operation modes, if the time is set too short, the output may not work properly. Please set the time at least over 100ms.

Functions for TAA2U

t=t1+t2, t>t−a

Mode	Time chart
A SIGNAL ON DELAY MODE	Power 2−10; START 2−6; INHIBIT 2−5; RESET 2−7; Time limit contact NC; Time limit contact NO; Time limit output operation LED; Operation/power LED
F FLICKER MODE	Power 2−10; START 2−6; INHIBIT 2−5; RESET 2−7; Time limit contact NC; Time limit contact NO; Time limit output operation LED; Operation/power LED
F 1 FLICKER1 MODE	Power 2−10; START 2−6; INHIBIT 2−5; RESET 2−7; Time limit contact NC; Time limit contact NO; Time limit output operation LED; Operation/power LED
C SIGNAL OFF DELAY MODE	Power 2−10; START 2−6; INHIBIT 2−5; RESET 2−7; Time limit contact NC; Time limit contact NO; Time limit output operation LED; Operation/power LED
D SIGNAL ON /OFF DELAY MODE	Power 2−10; START 2−6; INHIBIT 2−5; RESET 2−7; Time limit contact NC; Time limit contact NO; Time limit output operation LED; Operation/power LED
I INTERVAL MODE	Power 2−10; START 2−6; INHIBIT 2−5; RESET 2−7; Time limit contact NC; Time limit contact NO; Time limit output operation LED; Operation/power LED

Note)1. If power is removed or the RESET terminal is short−circuited, the timer will be reset.
2. If the INHIBIT terminal is short−circuited during a timing cycle, the time will stop.
3. When using F, F1 output operation modes, if the time is set too short, the output may not work properly. Please set the time at least over 100ms.

TAA1U Functions A, F

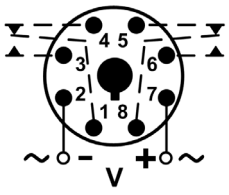

DIAGRAM 134

TAA1U Functions A1, B, F1 & I

Pins 1-3-4 are instantaneous contacts

Pins 5-6-8 are timed contacts

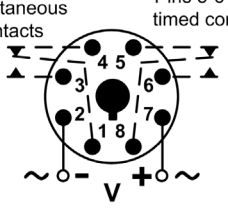

DIAGRAM 182

TAA2U All Functions

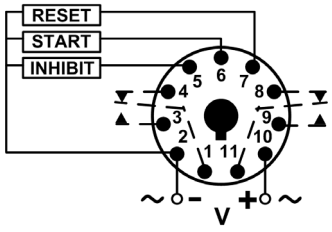

DIAGRAM 183