TIME DELAY RELAYS

TAA SERIES

ANALOG-SET MULTI-FUNCTION MULTI-RANGE 1/16 DIN MOUNTING



- 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)
- ◆ 5A DPDT output contacts





800-238-7474 www.macromatic.com sales@macromatic.com

MULTI- FUNCTION ◆	INPUT VOLTAGE	PRODUCT NUMBER	WIRING/ SOCKETS ■
Includes Six (6) Functions Built-in (See Page 75 for additional information)	100-240V AC 50/60Hz & 24-240V DC	TAA1U	SEE DIAGRAMS ON PAGE 75 8 Pin Octal (See Below)
Includes Six (6) Func- tions Built-in (See Page 75 for additional informa- tion)	100-240V AC 50/60Hz & 24-240V DC	TAA2U	SEE DIAGRAMS ON PAGE 75 11 Pin Octal (See Below)

- ◆ See Page 75 for additional details on Functions.
- See below for **Sockets & Accessories**.

APPLICATION DATA

Voltage Tolerance: +10% of rated voltage.

Load (Burden): Less than 2.5 VA

Repeat Accuracy:

 $\pm 0.01\%$, ± 0.05 seconds (includes variation due to voltage and temperature changes).

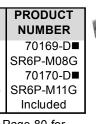
Recycle Time: 0.2 seconds maximum.

Temperature:

-10° to 55°C (14° to 131°F)

SOCKETS & ACCESSORIES

DESCRIPTIONNUME8 Pin Octal Socket70168 Pin Octal Socket (Back Mounting)SR6P-N11 Pin Octal Socket (Back Mounting)SR6P-N11 Pin Octal Socket (Back Mounting)SR6P-NPanel-Mounting AdaptorInclude

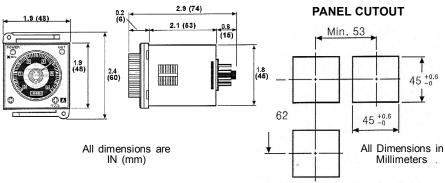




SR6P-M11G

For Surface or Track Mounting--See Page 80 for additional information

DIMENSIONS



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

Output Contacts:

5A DPDT Resistive @ 250V AC

Life:

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

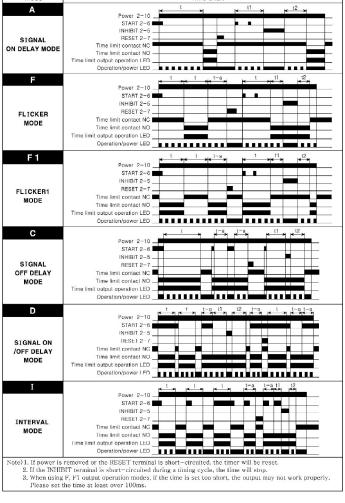


TIME DELAY RELAYS TAA SERIES ANALOG-SET MULTI-FUNCTION MULTI-RANGE DEFINITION OF TIMING FUNCTIONS

Functions for TAA1U

Mode	1					etting chart	time,	1)1-	a, Rt:F	leturn ti	me(Max.	100
			t	- 11	me (Rt		Ť		Bt	t-a	
А	Power 2-7	-		*	*		*	1	*	×	*	*
POWER ON DELAY MODE	Time limit contact NC 1-4											
	(8-5) Time limit contact NO 1-3	Т										
	(8-6)	_							_		_	-
	Time limit output operation LED	_									_	
	Operation/power LED											
A 1		K	t	×	×	Rt	**	1		H Rt	t-a	ж
POWER ON DELAY 1 MODE (One-shot output)	Power 2-7	_										
	Time limit contact NC 8-5				0	5sec				0.5sec		
	Time limit contact NO 8-6	_		1	0.	5866			1	0.5800		
	Instantaneous contact NC 1-4											
	Instantaneous contact NO 1-3	-										
	Time limit output operation I FD											
	Operation/power LED	₩On	e- shot	output Is	s 0.5se	c fixed						
В		*	t	- *	M	Rt	*	t		Ht Rt	₩ ^{t-a}	×
	Power 2-7	_										
	Time limit contact NC 8 5											
	Time limit contact NO 8-6	+-							_		_	_
POWER ON DELAY 2 MODE	Instantaneous contact NC 1-4			_					_			-
ELAY 2 MODE	Instantaneous contact NO 1 3	_										
	Time limit output operation LED	+										_
	Operation/power LED											
F	Power 2-7	+	τ.,	• < 1	*	t−a ★	← ^{Rt} →		**	t ,	1 I	*
	Lime limit contact NC 1-4	-					-					
	(8-5)											
LICKER MODE	Time limit contact NO 1-3 (8-6)	_										
	Time limit output operation LED	_										
	Operation/power LED											
F 1			t	t t		t a	Rt	t t	***	t,	t t	×
	Power 2-7	_										
	Time limit contact NC 8-5	-										
FLICKER 1 MODE	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		1	t		_	Rt	*	1.			→ ^{1-a}	*
	Power 2-7											
	Time limit contact NC 8-5											
	Lime limit contact NO 8-6				_							
INTERVAL MODE	Instantaneous contact NC 1-4											
	Instantaneous contact NO 1-3											
	Lime limit output operation LED									_		
	Operation/power LED											
	1 '1 output operation modes, if (_										

Functions for TAA2U



TAA1U Functions A, F

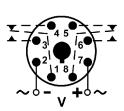


DIAGRAM 134

TAA1U Functions A1, B, F1 & I

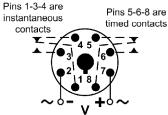


DIAGRAM 182

TAA2U All Functions

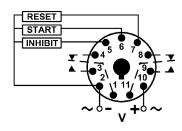


DIAGRAM 183

t=t1+t2, t>t-a