Or Sense Relay Timers

Multi-Mode Relay Timers TRM-16 Series **Overview**

The TRM-16 series offers the digital accuracy of DIP-switch setting as well as the flexible programmability of a multi-function and multi-time range relay. These products provide an easy and accurate method to select any of 16 time delay functions and any time delay between 0.05 seconds and 10,230 hours (310 hours maximum for Dual Mode functions). Programming is accomplished through the use of two 10-position DIP-switches.

Features

- Sixteen user-selectable modes in one unit
- DIP-switches for accurate digital set of time delay and selection of function
- 0.05 seconds to 10,230 hours programmable time delay (Single mode functions only)
- 120 VAC/VDC and 24 VAC/VDC models available
- 11-pin octal socket
- 10A DPDT output contact
- · LED indicates timing mode and time out conditions



TRM-16-D-120AD

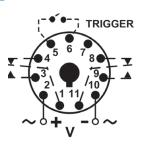
Multi-Mode Relay Timers TRM-16 Series								
Part Number Price		Timer Type Timing Range		Voltage	Output Type	Drawing Links		
TRM-16-D-120AD	\$92.00	Multi-mode 16 mode selectable	0.05 seconds to 10,230 hours selectable	120 VAC/VDC	(1) DPDT timed relay	PDF		
TRM-16-D-24AD	\$92.00	Multi-mode16 mode selectable	0.05 seconds to 10,230 hours selectable	24 VAC/VDC	(1) DPDT timed relay	<u>PDF</u>		

Multi-Mode Relay Timer Specifications							
Part Number	TRM-16-D-120AD	TRM-16-D-24AD					
Input Specifications							
Nominal Voltage	120 VAC/VDC	24 VAC/VDC					
Nominal Consumption	Max 2VA						
Nominal Frequency	50/60	Hz					
Contact Specifications							
Туре	(1) Di	PDT					
Switching Capacity	10A @ 240VAC, 30VDC 1/2 HP @ 120/240 VAC (N.O.) 1/3 HP @ 120/240 VAC (N.C.) B300 & R300 (N.O.) AC15 and DC13						
Electrical Lifetime	Full Load: 100,000 operations						
Mechanical Lifetime	10,000,000 operations						
Reset Time							
Functions Triggered with All Other Functions	0.1 seconds						
Functions Triggered with Control Switch	0.04 seconds						
Time Circuit Specifications	Time Circuit Specifications						
Setting Accuracy	Constant Voltage & Tempe +0.1% of set time or +50r For Variable Voltage & Temp +1% of set time or +50m	ns, whichever is greater perature w/i specifications:					
Start-up Time	Time from when power is applied until unit is timing: 0.05 seconds						
Maintain Function Time	Time unit continues to opera 0.01 se						
Repeat Accuracy	+Constant Voltage & Temperature w/i specifications: +0.1% of set time or +0.02 seconds, whichever is greater For Variable Voltage & Temperature w/i specifications: +1% of set time or +0.02 seconds, whichever is greater						

Multi-Mode Relay Timer Specifications						
General Specifications						
Connection (screw terminal)	Recommend <u>70170-D</u> socket 1 or 2 -#12-20 AWG Wire					
Tightening Torque	12 in-lb					
Wire/Ferrule Size	1 or 2 #12-20 AWG (Ferrule size: Stud size 6 with max overall width 0.30")					
Ambient Temperature	-28 to +65°C [-18 to +150°F]					
Storage Temperature	-40 to +85°C [-40 to +185°F]					
Protection Rating	IP20					
Vibration Resistance	10-55 Hz with 3G maximum and 0.5mm total displacement (+/25mm).					
Mounting	Socket mount (11-pin required)					
Mounting Orientation	Any					
LED Indicator	Green ON - Power Red ON - Relay Energized					
Weight	0.22 lbs					
Agency Approvals and Standards *	UR File E191059, CSA File 602618, CE, UL Listed with appropriate socket File E191059					

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

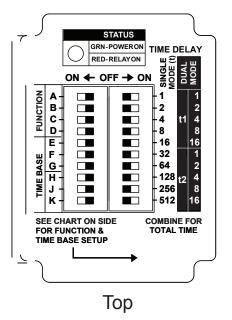
Wiring Diagram

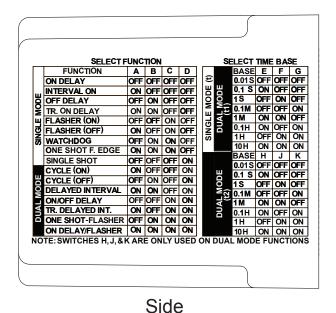


PrSense Relay Timers

TRM-16 Series Multi-Mode Relay Timers

Function Table





www.automationdirect.com Relays and Timers tREL-115

DrSense Octal Sockets

Features

- Mounts on 35mm DIN rail
- Screw clamp wire termination







70170-D



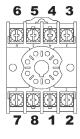
750-2C-SKT

Octal Sockets for Relays								
Part Number	Price	Description	Qty	Wt (lb)	Drawing Links			
<u>70169-D</u>	\$5.50	Macromatic relay socket, 8-pin, 35mm DIN rail or panel mount. For use with ProSense octal relays.	1	0.1	<u>PDF</u>			
<u>70170-D</u>	\$6.50	Macromatic relay socket, 11-pin, 35mm DIN rail or panel mount. For use with ProSense octal relays.	1	0.1	PDF			
750-2C-SKT	\$4.75	AutomationDirect relay socket, 8-pin, 35mm DIN rail or panel mount. For use with 750-2C and H750-2C series octal relays.	1	0.1	PDF			

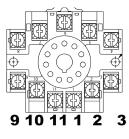
Octal Sockets Specifications									
Part Number	Number of Pins	Voltage	Current	Screw Size	Wire Size (capacity)	Screw Torque	Screw Chassis Mounting Torque	Agency Approval *	
70169-D	8	600V	10A	6-32	1 or 2, 12-20 AWG	12 in-lb	7 in-lb	UL Recognized E169693,	
70170-D	11	300V	10A	6-32	1 or 2, 12-20 AWG	12 in-lb	12 in-lb	ČSA, CE	
750-2C-SKT	8	600V	5A	M3.5	1-12 AWG / 1-14 AWG	9 in-lb	7 in-lb	UL Recognized E225080, CSA, CE	

^{*} To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

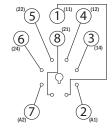
Socket Pinouts



70169-D



70170-D



750-2C-SKT