

AD-70-STM-1 SOCKET TIMING MODULE



Features

- Use to convert 783 and 784 series relays to time-delay relays
- Wide timing range: fine adjustment via potentiometer
- No need to specify AC or DC
- Works with all popular voltages from 24V to 240V AC/DC
- Eight dipswitch selectable time scales from 0.1 second to 10 days
- Economical: allows user to replace relay without replacing timing circuit
- Green LED indicator

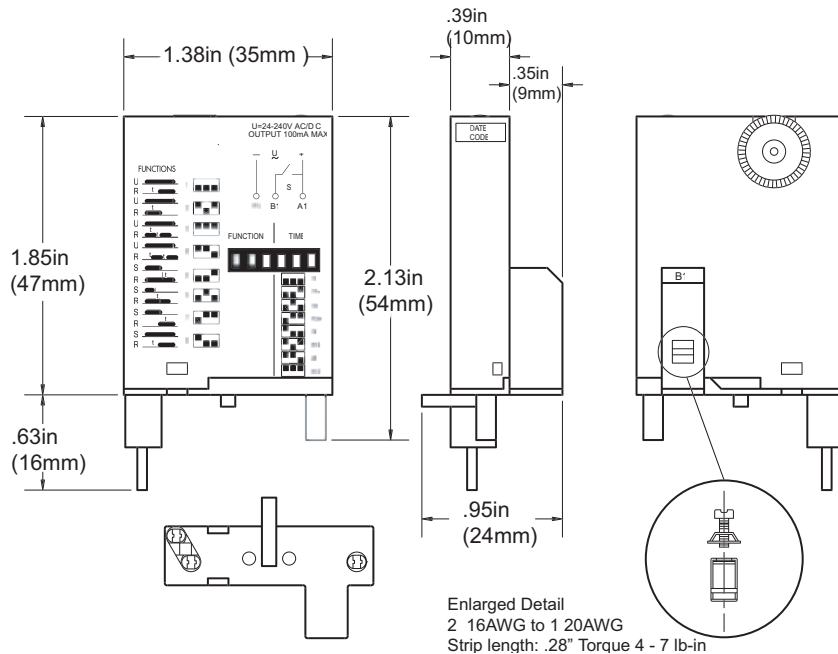
Mating Sockets:

- 783-3C-SKT
- 784-4C-SKT-1

Functions

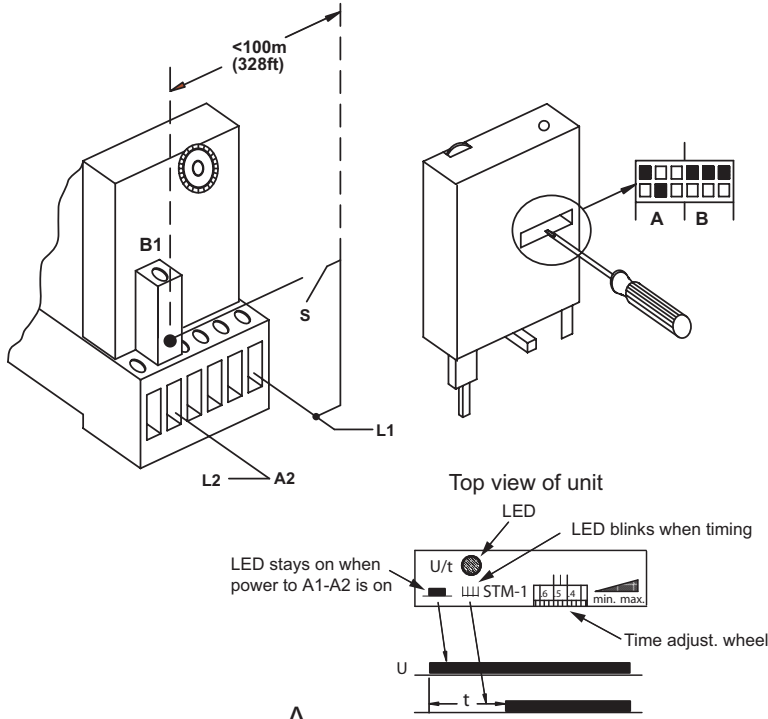
- Power On Delay
- Single Shot Power On
- Repeat Cycle OFF - Delay
- Repeat Cycle ON - Delay
- Signal OFF Delay
- Single Shot Pulse
- Single Shot Signal OFF
- Signal On Delay

AD-70-STM-1 General Specifications (@ 25°C)		
Timing	Units	Description
Functions Available:		Power On Delay Single Shot Power On Repeat Cycle OFF - Delay Repeat Cycle ON - Delay Signal Off Delay Single Shot Pulse Single Shot Signal Off Signal ON Delay
Time Scales		8
Time Range		0.1 sec to 10 days
Timing Adjustment		Potentiometer
Timing Deviation (mechanical setting)	%	< 5% of time range
Timing Repeatability (Constant voltage/temperature)	%	± 1%
Reset Time	ms max	150
Input Pulse Length	ms max	50
Display		Green LED, blinks during timing period, on steady when relay energized.
Input		
Standard Voltage	VAC/VDC	24 to 240
Input Voltage Tolerance	of nominal	± 15%
Power Consumption	mW	70 at 24V AC/DC, 700 at 240V AC/DC
Transient Protection		Yes
Reverse Polarity Protection		Yes
Output		
Maximum Power Output	VA	7.5 (31 mA at 240 VAC)
Maximum Current Output	mA	100 at 24 VDC
Temperature		
Operating	°C (°F)	-25 to +55 (-13 to 131)
Storage	°C (°F)	-55 to +85 (-67 to 185)
General		
Weight	Grams/Ounces	17 (6)
Certifications		CE, UL Listed, CSA Pending



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Setting the timing ranges



Time setting ranges	Time	Switch position
0.1 sec. to 1 sec.	1 sec.	
1 sec. to 10 sec.	10 sec.	
6 sec. to 1 min.	1 min.	
1 min. to 10 min.	10 min.	
6 min. to 1 hr.	1 hr.	
1 hr. to 10 hrs.	10 hrs.	
2.4 hrs. to 1 day	1 day	
1 day to 10 days	10 days	

Function	Timing diagrams	Circuit diagrams	Switch position
1. Power On Delay			
2. Single shot-power on			
3. Repeat cycle - starting with off-delay			
4. Repeat cycle - starting with on-delay			
5. Signal off-delay			
6. Single shot - signal is a pulse			
7. Single shot - signal off			
8. Signal on - delay			