

**TD60 SERIES, SOLID STATE DELAY ON MAKE TIMERS**  
**TECHNICAL SPECIFICATION**

14-Aug-01

**APPLICATION**

“ON” Delay On Make  
 Multi Purpose “delay on Make” timing  
 Protects Air-conditioning,  
 Refrigeration and Heat pump from  
 damage, which may be caused by  
 short cycling of compressor.  
 For compressor staging and stagger  
 starting multiple units. Helps to  
 reduce power surges in multiple  
 compressor applications.

**MODE OF OPERATION**

Upon application of power, the time  
 delay initiates.  
 On completion of selected delay  
 period, the load is energized. Timer  
 will reset on power interruption or  
 when thermostat disconnects.

\* In TD69 Series, for 110/240 Volts  
 application cut jumper.

\*\* This timer is not for use with  
 cooling anticipator.



<b>Packaging</b>	H = Blister pack
	B = Bulk



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**SPECIFICATIONS**

Delay Range (Adjustable)	6 sec. to 8 min.
Delay Range (Fixed)	3 or 5 minutes
Initiate Timer	70 milliseconds
Input Voltage *	19 to 250 V AC\DC. 50/60Hz
Maximum Load	1 Amp. 10 Amps. Inrush
Operating Temperature	0°F to +160°F (-18°C to +71°C)
Dimensions	2" x 2" x 0.75", (5.08 x 5.08 x 1.9 cm)
Mounting	Nonpositional: single hole mounting
Connections	1/4" quick male terminals or 6" long leads

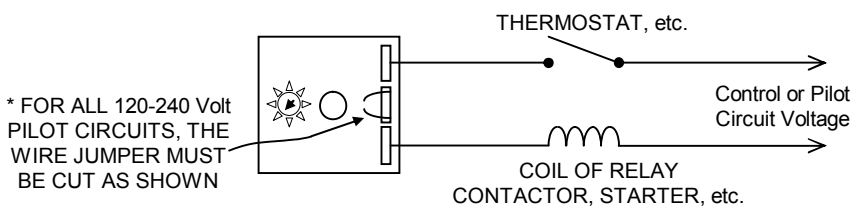
All Parameters are subject to change as per special requirements.

PART NO.	DELAY PERIOD	CONNECTIONS
<b>TD68 **</b>	Adj. 6 Sec. to 8 Min.	(2) 1/4" Male Terminals
<b>TD69</b>	Adj. 6 Sec. to 8 Min.	- " -
<b>TD693</b>	Fixed 3 Min.	- " -
<b>TD695</b>	Fixed 5 Min.	- " -
<b>TD69W</b>	Adj. 6 Sec. to 8 Min.	(2) 6" LG. Wire Leads
<b>TD693W</b>	Fixed 3 Min.	- " -
<b>TD695W</b>	Fixed 5 Min.	- " -

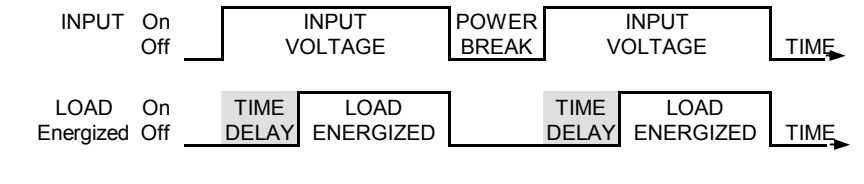
**INSTALLATION INSTRUCTION:**

1. Disconnect power before servicing equipment.
2. Connect terminals or wires in series with the coil of the starting device.
3. For 24V pilot circuit with or without a cooling anticipator thermostat, use as packaged. For all 110/240V installations the wire jumper must be cut and separated.
4. Restore power and check operation.

**INSTALLATION DIAGRAM:**



**TIMING DIAGRAM:**



**Europe**

**SUPCO International LTD.**

P.O. BOX 8047, HAUMANUT ST. 3, NETANYA, 42180, ISRAEL.  
 PHONE: 972-9-865 4101 \* FAX: 972-9-865 9111

<http://www.supco.co.il/>

**USA**

**SEALED UNIT PARTS CO., INC.**

P.O. BOX 21, 2230 LANDMARK PLACE, ALLENWOOD, NJ 08720 USA.  
 PHONE: (732) 223-6644 \* FAX: (732) 223-1617

<http://www.supco.com/>