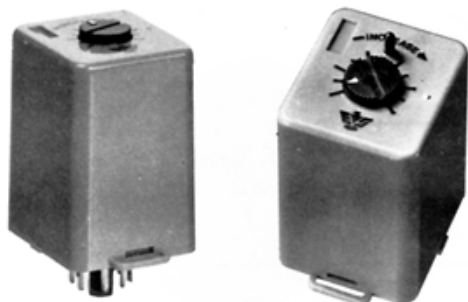




Standard

With Features 01* and 14*
Latching Relay
Press to Test
Latch Release

**Economical model for
ON-Delay operation**

Selected Models



- Inexpensive and compact fixed or adjustable time delay
- Models feature plug-in octal base or square base design; plug-in square base also features universal blade type terminals for solder or quick connect terminals; printed circuit terminals are available on square base units (see ordering information)
- Polycarbonate dust cover has low moisture absorption and high impact strength
- All standard configurations recognized under the components program of Underwriters Laboratories, Inc. - file E39906, CSA certified by request only - file LR26861
- Delay time is obtained by using a CMOS integrated circuit, an internal potentiometer controlled oscillator, a programmable binary counter, and output controlled logic
- Available in five voltages and DPDT 10 ampere output contacts
- Gold diffused low-level contacts optional
- Available in 15 standard time ranges from .1 second to 4.5 hours
- Optional flange mounting
- Push to test, simulating timed out condition, optional
- Optional lock in/manual reset; retains contacts in timed out condition after time out; reset button must be depressed and power removed to reset timer
- Indicator light - on when power is applied to timer (standard on this series)

SPECIFICATIONS

Repeat Timing Accuracy: $\pm 1.5\%$ under fixed conditions

Fixed Time Accuracy: $\pm 5\%$ at rated voltage and room temperature (99 time range)

Reset Time: 75 milliseconds after time-out
150 milliseconds if reset during timing

Drop-Out Speed: 30 milliseconds typical (including bounce)

Input Voltage Variation: Rated voltage $+10\%$, -15%

Polarity Protection: Inverse polarity protection on DC units

Transient Protection: Immune to 600 volts peak transients up to 50 microseconds in duration

Insulation Resistance: 100 megohms min.

Dielectric Strength:

500 volts R.M.S.
60 Hz between open contacts
1500 volts R.M.S.
60 Hz between all elements

Operating Temperature Range: 14° to 104°F (-10° to 40°C)

Storage Temperature Range: -4° to 185°F (-20° to 85°C)

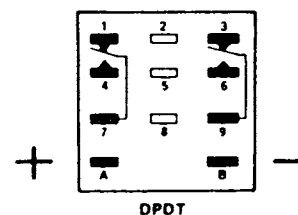
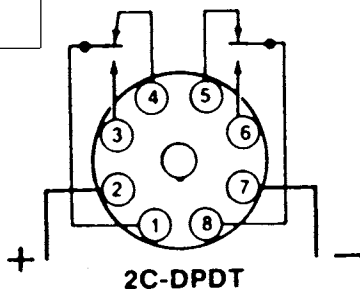
Life Expectancy Mechanical: In excess of 10 million operations

Electrical: 100,000 min. at full rated resistive load

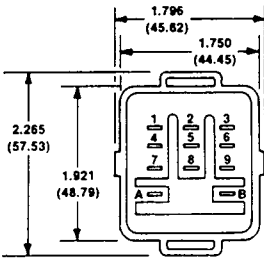
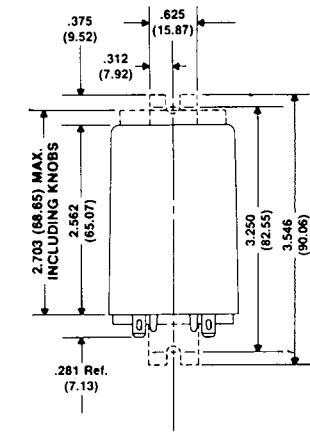
Duty Cycle: Continuous

OUTPUT RATING

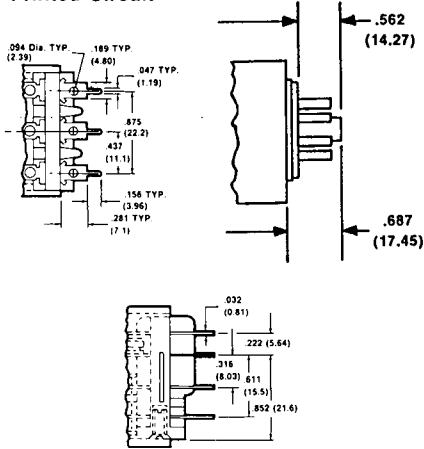
Materials	Rating
Silver	10 amp, 28 VDC (resistive)
Cadmium	10 amp, 250 VAC
Oxide	1/4 HP, 250 VA, 125 VAC
(AgCdO)	1/3 HP, 240 VA, 250 VAC



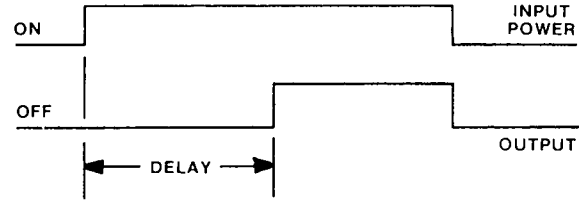
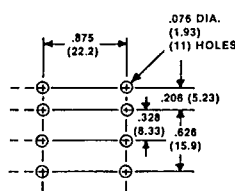
Flanged Case



Printed Circuit



Suggested PC Board Layout



ON DELAY: Time delay starts upon application of power. Relay energizes after delay. De-energizing input terminals resets timer.

	Sockets	Retainers
Type Q	60SR2P05	N/A
1C and 2C	60SR2P06	60SFA201 Clip
	60SR2P51	N/A
Type E	60SR3B05	60SFA201 Clip
Square Base	60SR3B51	N/A
	4270-0681	N/A

ORDERING INFORMATION

RELAY TYPE

Sym.	Description
	Time Delay Relay

CONTACT MATERIALS

Sym.	Description
E	Silver Cadmium Oxide, 10 amp, Universal Plug-In .187 Solder, Quick Connect
H	Silver Cadmium Oxide, 10 amp, Printed Circuit Special Order Only
Q	Silver Cadmium Oxide, 10 amp, Plug-In

CONTACT FORM

Sym.	Description
2	DPDT
3	3PDT

VOLTAGE & FREQUENCY

Sym.	Description
Z6	24V 60 Hz
A6	120V 60 Hz
B6	240V 60 Hz

FEATURES
(More than one may be specified)

Sym.	Description
01*	Manual (Push to Test) Operator
05	Flanged Case Mounting "E" Series ONLY

* Patent No. 4, 378, 543

TIME RANGE

Sym.	Description	Sym.	Description
00	Unprogrammed	09	25.6 - 256 Sec.
01	.1 - 1 Sec.	10	.85 - 8.5 Min.
02	.2 - 2 Sec.	11	1.7 - 17 Min.
03	.4 - 4 Sec.	12	3.4 - 34 Min.
04	.8 - 8 Sec.	13	6.8 - 68 Min.
05	1.6 - 16 Sec.	14	13.6 - 136 Min.
06	3.2 - 32 Sec.	15	.45 - 4.5 Hr.
07	6.4 - 64 Sec.	99	Fixed Timing (Specify Time)
08	12.8 - 128 Sec.		