Time Delay Relays – Delay on Operate

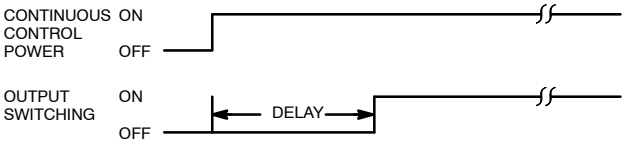
R60 Series

Features

- Universal Input Voltage (U–suffix)
- 16 Time Ranges in Single Timer (0.05 sec. to 100 hrs.)
- User Sets Time Ranges
  No Math – Just Flip Switches
- Instructions Right on Unit
- Fine Tuning Knob for Precision Timing
- Pin for Pin Interchangeable with Timers
  in the Field – No Rewiring
- AC or DC Operation
- CMOS Digital Circuitry – 0.5% Repeatable Accuracy

OPERATION

DELAY ON OPERATE– The delay period begins when input voltage is applied. At the end of the delay period, the relay will operate and will not release until input voltage is removed. Reset occurs when input voltage is reapplied.



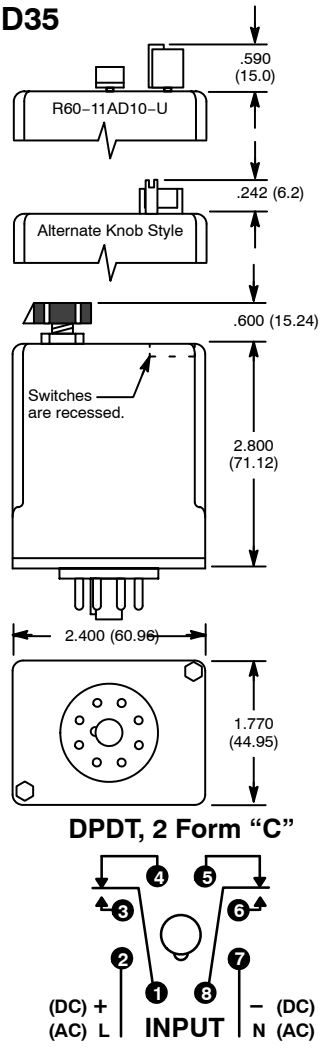
AC or DC OPERATED					
NTE Type No.	Nom. Voltage	Contact Arr.	Input Cur. Nom.	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R60–11AD10–12	12VAC/DC	DPDT	167mA	10A	D35
* R60–11AD10–24	24VAC/DC	DPDT	83mA	10A	D35
* R60–11AD10–120	120VAC/DC	DPDT	17mA	10A	D35
R60–11AD10–U	24 – 240VAC 12 – 125VDC	DPDT	–	10A	D35

* These devices are being phased out and replace by the R60–11AD10–U.

ACCESSORIES		
MOUNTING STYLES	DESCRIPTION	NTE TYPE NO.
SURFACE MOUNT	8–PIN OCTAL	R95–101
PANEL MOUNT	8–PIN OCTAL	R95–118
DIN RAIL MOUNT	8–PIN OCTAL	R95–113
DIN RAIL MOUNT	8–PIN OCTAL	R95–181

Programmable, DPDT, 10 Amp, AC or DC, Delay On Operate Time Delay Relays.

D35



DPDT, 2 Form "C"

1 2 3 4	Knob Style	TIME RANGE Min	Max	
	A	0.1	0.25	Seconds
	B	0.15	0.5	
	C	0.3	1.0	
	D	0.5	2.0	
	E	1.0	4.0	
	F	2.0	8.0	
	G	4.0	15	
	H	8.0	30	
	I	15	60	
	J	30	120	
	K	1.0	4.0	Minutes
	L	2.0	8.0	
	M	4.0	15	
	N	8.0	30	
	O	15	60	
	P	30	120	

Universal Type

Dial Setting	TIME RANGE Min	Max	
A	0.05	0.5	Seconds
B	0.1	1	
C	0.5	5	
D	1	10	
E	3	30	
F	6	60	
G	0.2	2	Minutes
H	0.5	5	
I	1	10	
J	3	30	
K	6	60	
L	0.2	2	Hours
M	0.5	5	
N	1	10	
O	2.4	24	
P	10	100	

Electrical Specifications

Contact

Rating: 10 Amps 240VAC or 30VDC, 1/3 HP, 240VAC or 120VAC Pilot Duty 345VA, 120VAC or 240VAC, 50/60Hz
Life: 500,000 (100,000 U–type) operations at full load
Mechanical Life: 7,000,000 (10,000,000 U–type) operations at no load

Input

Nominal Input voltage: See Chart
Steady state input current: See Chart

Timing

Timing adjustment modes available: See Timing Range Chart

Repeat Accuracy

± 0.5% – after established at steady temperature (4 hours)
Timing tolerance at high end of range: –0, +10%
Timing tolerance at low end of range: +0, –50%
Reset Time: 60 mS typ

Environmental Characteristics

Operating: –20°C to +55°C