

Time Delay Relays – Delay on Release

R61 Series



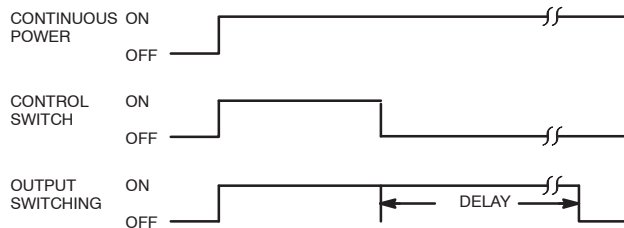
Features

- 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 RELEASE– Input voltage must be applied continuously to operate the internal relay. When the control switch is closed, the relay energizes. When the control switch is opened, timing begins. When timing is complete, the relay will deenergize. Time may be reset to zero during timing by closing the control switch.



AC or DC OPERATED

NTE Type No.	Nom. Voltage	Contact Arr.	Input Cur. Nom.	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R61-11AD10-12	12VAC/DC	DPDT	167mA	10A	D36
R61-11AD10-24	24VAC/DC	DPDT	83mA	10A	D36
R61-11AD10-120	120VAC/DC	DPDT	17mA	10A	D36
NEW R61-11AD10-U	24 – 240VAC 12 – 125VDC	DPDT	–	10A	D36

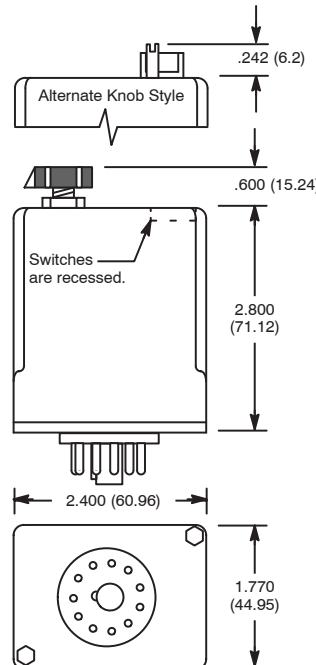
* These devices are being phased out and replaced by the R61-11AD10-U.

ACCESSORIES

MOUNTING STYLES	DESCRIPTION	NTE TYPE NO.
SURFACE MOUNT	11-PIN OCTAL	R95-104
PANEL MOUNT	11-PIN OCTAL	R95-119
DIN RAIL MOUNT	11-PIN OCTAL	R95-114
DIN RAIL MOUNT	11-PIN OCTAL	R95-182

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

D36

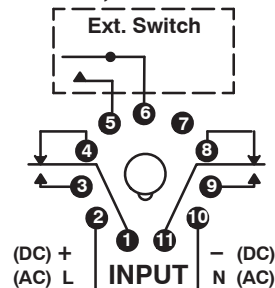


1234	Knob Style	TIME RANGE		Seconds
↑↑↑↑	A	Min	Max	
↑↑↑↑	B	0.1	0.25	
↑↑↑↑	C	0.15	0.5	
↑↑↑↑	D	0.3	1.0	
↑↑↑↑	E	0.5	2.0	
↑↑↑↑	F	1.0	4.0	
↑↑↑↑	G	2.0	8.0	
↑↑↑↑	H	4.0	15	
↑↑↑↑	I	8.0	30	
↑↑↑↑	J	15	60	Minutes
↑↑↑↑	K	30	120	
↑↑↑↑	L	1.0	4.0	
↑↑↑↑	M	2.0	8.0	
↑↑↑↑	N	4.0	15	
↑↑↑↑	O	8.0	30	
↑↑↑↑	P	15	60	
↑↑↑↑	P	30	120	

Universal Type

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

DPDT, 2 Form "C"



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