

1-800-GRAINGER (472-4643)



Multifunction Time-Delay Relays

Function	Pins	Contact Form	Contact Amp Rating (Resistive)	Function Code*	Socket Code†	►CHOOSE: Coil Volts	Min. Time Setting	Max. Time Setting	Item No.
Dayton									
On Delay, Interval On, Flasher (Off First), Flasher (On First), Off Delay, Single Shot, On/Off Delay, Latching Relay, Pulse Generator, Watchdog	6	SPDT	15A	1, 2, 3, 4, 6, 8, 9	—	12 to 240V AC/DC	0.1 sec.	240 hr.	31EE11
	9	DPDT	15A	1, 2, 3, 4, 6, 8, 9	—	12 to 240V AC/DC	0.1 sec.	240 hr.	31EE12
On Delay, Interval On, Flasher (Off First), Flasher (On First), Off Delay, Single Shot, Watchdog (Retriggerable Single Shot), Single Shot (Falling Edge), Triggered On Delay, Repeat Cycle (Off First), Repeat Cycle (On First), Delayed Interval, Triggered/Delayed Interval, On/Off Delay, Single Shot/Flasher, On Delay/Flasher	8	SPDT	10A	1, 2, 3, 4, 5, 6, 7, 8, 9, 11	A	120V AC/DC	50 msec	10,230 hr.	31EE10
On Delay, Interval On, Off Delay, Single Shot, Flasher (Off First), Flasher (On First), On/Off Delay, Single Shot Falling Edge, Watchdog, Triggered On Delay	11	DPDT	10A	1, 2, 3, 4, 6, 7, 9, 11	B	12V DC; 24V AC/DC; 120V AC; 240V AC	0.05 sec.	999 hr.	H7785
On Delay, Off Delay, Interval Delay, Cycle 1 Shot, Repeat Cycle, Signal Interval/Off Delay, Signal On Delay/Off Delay	8	SPDT	12A	1, 2, 4, 5, 6, 8, 9	A	12 to 240V AC/DC	0.1 sec.	9990 hr.	1EJN7
	11	DPDT	12A	1, 2, 4, 5, 6, 8, 9	B	12 to 240V AC/DC	0.1 sec.	9990 hr.	1EJN6
Eaton									
ON Delay, Interval, Cycle (Off First), Cycle (On First)	8	DPDT	10A	1, 2, 3, 4	A	24V AC/DC; 120V AC	0.1 sec.	600 hr.	H7786
	11	DPDT	10A	1, 2, 3, 4	C	24V AC/DC	0.1 sec.	600 hr.	H7784
	11	DPDT	10A	1, 2, 3, 4	B	120V AC	0.1 sec.	600 hr.	H7784
ON Delay (Voltage Controlled), OFF Delay (with Control Input), Single Shot Leading Edge (Voltage Controlled), Symmetric Pulse Generator	8	SPDT	8A	8, 9, 10 + 1 Others	—	24 to 240V AC/DC	0.5 sec.	100 hr.	20XF98
Macromatic									
On Delay, Interval On, Flasher(Off First), Flasher(On First), Off Delay, Single Shot, On Delay/Off Delay, Latching Relay, Pulse Generator(Pulse=0.5 Sec.), Watchdog	6	SPDT	15A	1, 2, 4, 6, 9, 11	—	12 to 240V AC/DC	0.1 sec.	240 hr.	23NV42
	9	DPDT	15A	1, 2, 4, 6, 9, 11	—	12 to 240V AC/DC	0.1 sec.	240 hr.	23NV43
On Delay, Interval On, Flasher (Off First), Flasher (On First), Off Delay, Single Shot, Watchdog, Single Shot (Trailing Edge), Triggered On Delay, Repeat Cycle (Off First), Repeat Cycle (On First), Delayed Interval, Triggered/Delayed Interval, On Delay/Off Delay, Single Shot-Flasher & On Delay/Flasher	8	SPDT	10A	1, 2, 3, 4, 5, 6, 7, 9, + 8 Others	A	24V AC/DC; 120V AC/DC; 240V AC	50 msec	10,230 hr.	H7781
Omron									
On Delay, Interval Delay, Cycle 1 Shot	8	DPDT	5A	1, 4, 5, 6	A	24 to 48V AC/12 to 48V DC	0.05 sec.	300 hr.	H7806
On Delay, Interval Delay, Repeat Cycle Equal On/Off Times	8	DPDT	5A	1, 4, 6	K	24V AC; 120V AC; 200 to 240V AC	0.1 sec.	10 min.	H7793
	14	4PDT	3A	1, 4, 6	G	120V AC	0.1 sec.	10 min.	4KN17
On Delay, Interval Delay, Repeat Cycle Equal On/Off Times, Cycle 1 Shot	8	DPDT	5A	1, 4, 5, 6	A	100 to 125V DC, 100 to 240V AC	0.05 sec.	300 hr.	H7806
On Delay, Off Delay 1, Off Delay 2, Interval Delay, Cycle 1 Shot, Repeat Cycle Equal On/Off Time, Signal Interval/Off Delay, Signal On Delay/Off Delay	11	SPDT	3A	1, 2, 3, 4, 5, 6, 8, 9	B	24 to 240V AC/12 to 240V DC	0.1 sec.	9990 hr.	1A983
Power Off Delay	8	DPDT	5A	10	A	120V AC	0.05 sec.	12 sec.	6C759
	8	DPDT	5A	10	A	120V AC	3 sec.	12 min.	2A436
Repeat Cycle	8	DPDT	5A	7	A	100 to 125V DC, 100 to 240V AC	0.05 sec.	30 hr.	2A179
Schneider Electric									
On Delay, Off Delay, Interval Delay, Cycle 1 Shot, Repeat Cycle	11	DPDT	12A	1, 2, 4, 5, 6	B	12 to 240V AC/DC	0.1 sec.	9990 hr.	6AGT7
On Delay (Power On), Repeat Cycle (Starting Off), Interval (Power On)	8	DPDT	12A	1, 2, 4, 5	A	12 to 240V AC/DC	0.1 sec.	9990 hr.	6CXD1
On Delay (Power On), Repeat Cycle (Starting Off), Interval (Power On), Off Delay (S Break), Retriggerable One Shot, Repeat Cycle (Starting On), Pulse Generator, One Shot, On/Off Delay (S Make/Break), Memory Hold (S Make)	8	SPDT	12A	1, 2, 4, 5	A	12 to 240V AC/DC	0.1 sec.	9990 hr.	6CXD0
Square D									
Off Delay, On Delay, Interval, One shot, Repeat Cycle	11	DPDT	10A	1, 2, 4, 5, 6	B	24V AC/DC; 120V AC; 240V AC	0.05 sec.	999 min.	H7788



H7785



1EJN6



H7784



H7781



H7806



1A983



6AGT7

* See page 222 for timing functions. † See page 216 for sockets.

Pins	Base Type	Contact Form	Contact Amp Rating (Resistive)	Operating Functions†	Socket Code‡	►CHOOSE: Coil Volts	Min. Time Setting	Max. Time Setting	DAYTON Item No.	MACROMATIC Item No.
Interval On										
8	Octal	DPDT	10A	4	A	12V DC; 24V AC/DC; 120V AC/DC; 240V AC	0.10 sec.	10 sec.	H7811	H8234
							0.60 sec.	60 sec.	H7822	H7794
							1.80 sec.	3 min.	H7820	H7795
							3.00 sec.	5 min.	H7821	H7796
Off Delay										
11	Octal	DPDT	10A	2	B	12V DC; 24V AC/DC; 120V AC/DC; 240V AC	0.10 sec.	10 sec.	H7824	H7797
							0.60 sec.	60 sec.	H7800	H7801
							1.80 sec.	3 min.	H7826	H7802
							3.00 sec.	5 min.	H7827	H7803
							9.00 sec.	15 min.	H7825	H7804
On Delay										
8	Octal	DPDT	10A	1	A	12V DC; 24V AC/DC; 120V AC/DC; 240V AC	0.01 sec.	1 sec.	H7805	—
							0.05 sec.	5 sec.	H7808	H7829
							0.05 sec.	999 hr.	H7809	—
							0.10 sec.	10 sec.	H7810	H7830
							0.60 sec.	60 sec.	H7816	H7831
							1.80 sec.	3 min.	H7815	H7832
							3.00 sec.	5 min.	H7823	H7833
							9.00 sec.	15 min.	H7813	—
							9.00 sec.	15 min.	—	H7834
Power Off Delay (True Off Delay)										
8	Octal	DPDT	10A	10	A	12V DC; 24V AC/DC; 120V AC/DC; 240V AC	0.05 sec.	30 min.	H7807	H7840
Repeat Cycle (On First)										
8	Octal	DPDT	10A	7	A	12V DC; 24V AC/DC; 120V AC/DC; 240V AC	0.10 sec.	10 sec.	H7812	H7835
							0.60 sec.	60 sec.	H7819	H7836
							1.80 sec.	3 min.	H7817	H7837
							3.00 sec.	5 min.	H7818	H7838
							9.00 sec.	15 min.	H7814	H7839

† See page 222 for timing functions. ‡ See page 216 for sockets.

Time-Delay Relays



H7800



H7827



H7812



H7840

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