TIMERS

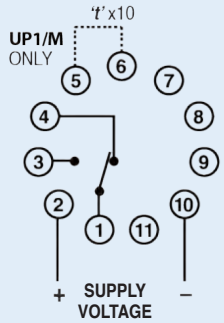
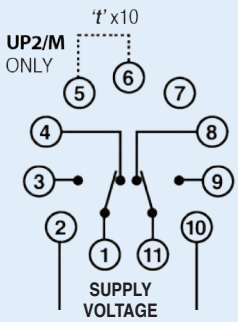
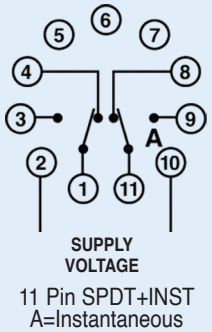
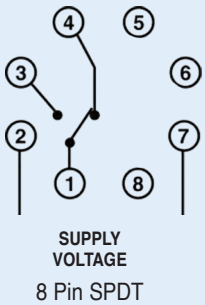
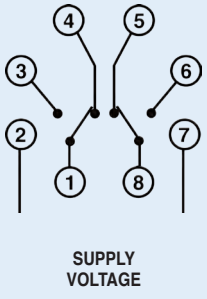










Type	Unequal Repeating & Two-Shot Timer		Delay On				Interval			Equal Repeating		Delay Off No Power		
Code	UP1/M UP1/MV	UP2/M UP2/MV	DP1*	DP2*	DP3*	DP4*	IP1*	IP2*	IP3	EP1*	EP2*	DDP1	DDP2	DDP3
Outputs	SPDT	DPDT	SPDT	DPDT	SPDT +INST	3 x c/o	SPDT	DPDT	SPDT +INST	SPDT	DPDT	SPDT	DPDT	SPDT +INST
Mode of Operation	Multi range timer **Time Ranges:** 0.15s to 10s 1s to 60s 1.5s to 100s 10s to 10m 1m to 60m 10m to 10hr Selectable by DIP switches 1, 2, 3 & 4 at rear of timer. Timing functions: Unequal repeating (off first) Unequal repeating (on first) Two-shot (off first) Two-shot (on first) Selectable by DIP switches 5 & 6 at rear of timer. **UP1/MV & UP2/MV:** Multivolt range 24-250VAC/DC		Upon application of the supply voltage the delay time period begins and the power LED lights up. On the expiry of the set time the relay LED will light up and the relay will operate and will not release until the supply voltage is disconnected. **DP3:** Output relay A is instantaneous.				Upon application of the supply voltage the relay operates, the power and relay LED lights up and the time period begins. On the expiry of the set time, the relay releases and will not operate again, until the supply is re-applied. **IP3:** Output relay A is instantaneous.			Upon application of the supply voltage the relay operates and the ON time period starts. After the ON period has expired the relay releases and an equal OFF time period starts. This equal operation continues until the supply voltage is disconnected.		No power required delay off function. Upon application of the supply voltage the relay operates. When the supply voltage is disconnected the time period starts and at the end of the time period the relay releases, the time is reset and the relay remains released until the supply voltage is reapplied. For time ranges above 600 sec there is a built-in battery. ***This timer is not to be used for short pulses, as battery requires 24H to recharge. Use IAP1or 2.***		
Connection Diagram Note: Standard stock is 11 Pin. 8 Pin available on order	 11 Pin SPDT		 11 Pin DPDT				 11 Pin SPDT+INST A=Instantaneous Contact			 8 Pin SPDT		 8 Pin DPDT		
Supply AC Multi-Volt Supply DC	Galvanic isolation with internal transformer 12, 24, 48, 115, 230, 400, 525VAC ±15% (Test volts 2kV) 24 - 250VAC/DC (available only on models marked *) 12, 24, 48VDC													
Specification	Range accuracy: ±5% Repeatability: 1% Scale accuracy: ±5% Reset time: 300mSec Operating temperature: -20 to 70°C						Power consumption AC: 1.5VA DC: 100mA @ 12VDC Contact rating SPDT: 10A 250VAC DPDT: 5A 250VAC For external potentiometer: use 1MΩ							

See Page 1.6 for Time Ranges

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