TIMERS



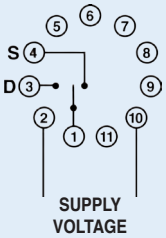
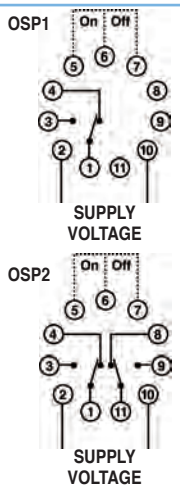
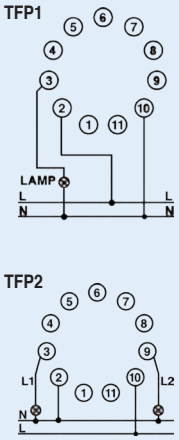
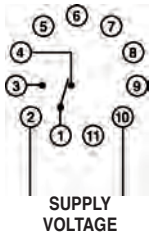
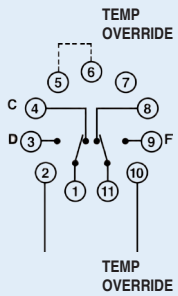
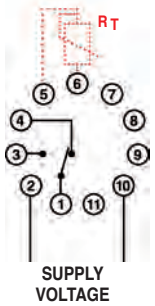










Type	Star-Delta Timer	One-shot Timer			Triac Flasher		Relay Flasher			Defrost Timer		Repeating Pulse	
Code	SDP1	OSP1	OSP1/S	OSP2	TFP1	TFP2	RFP1	RFP1/A	RFP2	DET1	DET1/F	RP1	RP1/R/PS
Outputs	SPDT	SPDT		DPDT	Triac Output		SPDT		DPDT	WITHOUT FAN DELAY	WITH FAN DELAY	SPDT	
Operation Mode	When supply voltage is applied connection between Pin 1 & Pin 4 is made. The time period starts for Star connection. After the Star set time has elapsed connection between Pin 1 & 4 is opened and stays in a neutral position for 100mS. After the 100mS pause connection is made between pin 1 & 3 for the Delta contactor.	LINK:5-6: Pulse on energisation LINK 6-7: Pulse on de-energisation. When the power is applied the relay operates for 0.5 sec. When power is de-energised the relay operates for 0.5 sec. **OSP1/S** High Speed Pulse Input.			**TFP1** (230VAC only) Upon applying the supply the lamp will flash with an equal on and off time until the supply is removed. This on and off time is adjustable from 0.02 - 1 sec. **TFP2** (230VAC only) Upon applying the supply, lamp 1 will switch on then switch off and then lamp 2 will switch on. This on and off time is adjustable from 0.02 - 1 sec. **Triac:** 1000W (4A) @ 250VAC		**RFP1** On applying the supply, the lamp will flash with a fixed equal on and off time of 0.5 sec. This will continue until the supply is removed. Can be used to switch one lamp or two alternating lamp circuits. **RFP1/A** As per **RFP1** except that the equal on and off time is adjustable from 0.02 to 3 sec. **RFP2** Fixed 90F/M 2 c/o			Upon application of supply voltage, cooling cycle starts, (4, 6, 8 or 12 hrs) followed by defrost cycle (1-60min). LINK 5-6: As above except defrost cycle starts first. **DET1/F**: Is for freezer rooms and has additional relay for fan delay (6-360 Sec). LEDs "defrost on" "fan on". Dip switch selection: cycle times 4 hour 6 hour 8 hour 12 hour		Upon application of the supply voltage the delay period begins. On expiry of the set time, the relay pulses on for 0.5 sec and a new time period begins. This repeating pulse continues until the supply voltage is disconnected. **RP1/R/PS** With Remote Potentiometer	
Connection Diagram												 RT for RP1/R/PS only	
Supply AC	Galvanic isolation with internal transformer 12, 24, 48, 115, 230, 400, 525VAC ±15% (Test volts 2kV)												
Supply DC	12, 24, 48VDC												
Specification	Output Rating: SPDT: 10A @ 250VAC DPDT: 5A @ 250VAC Triac: 1000W (4A) @ 250VAC						Power Consumption: AC 1.5VA DC 100mA @ 12VDC						

See Page 1.6 for Time Ranges

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