



Plug in Analogue Set Timers

DO/DI

- Analogue Set
- Delay On
- Interval Delay
- 2 or 3 Pole Changeover Relay
- 8 Amp Contacts
- Six standard time ranges
- All standard supply voltages
- Standard 8 or 11 pin plug in base



DESCRIPTION

These electronics timers are compatible with industry standard plug in connections and are available with a wide range of time and supply voltage options . Designed for use in many basic timing applications they feature a very high immunity to electrical interference and can be used with confidence in new installations as well as replacements in existing systems.

Available with either a 2 or 3 pole changeover relay output as well as various options for instantaneous contact remote starting or remote setting.

The timers are housed in a 48 x 48 DIN standard plastic enclosure that as well as fitting in a standard socket can be panel mounted using the clamp supplied.

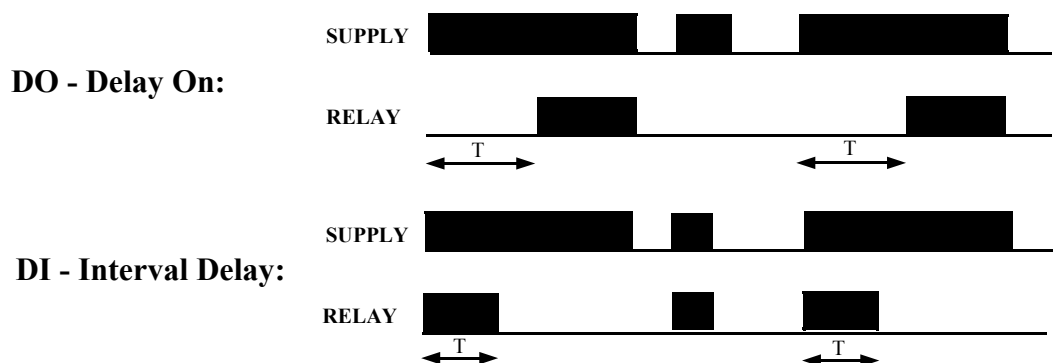
The required time period is set by turning a knob against the scale on the top of the device.

MODES OF OPERATION

DO - Delay On: On application of the supply voltage, the timing period starts and the relay remains un-energised. At the end of the set time period the relay energises and remains so until reset by removing the power

DI - Interval Delay: On application of the supply voltage the relay is energised and the time period starts. At the end of the set time period the relay de-energises and remains so until the supply voltage is removed

Timing Diagrams



OPTIONS

Instantaneous Contacts: A set of changeover contact that operate whenever the power is applied and are independent of the timed contacts. Only available with 2 pole timers

Remote Start: An interval delay mode timer that is started by a remote volt free contact. The contact may be momentary or maintained closed during time period Only available with 2 pole timers

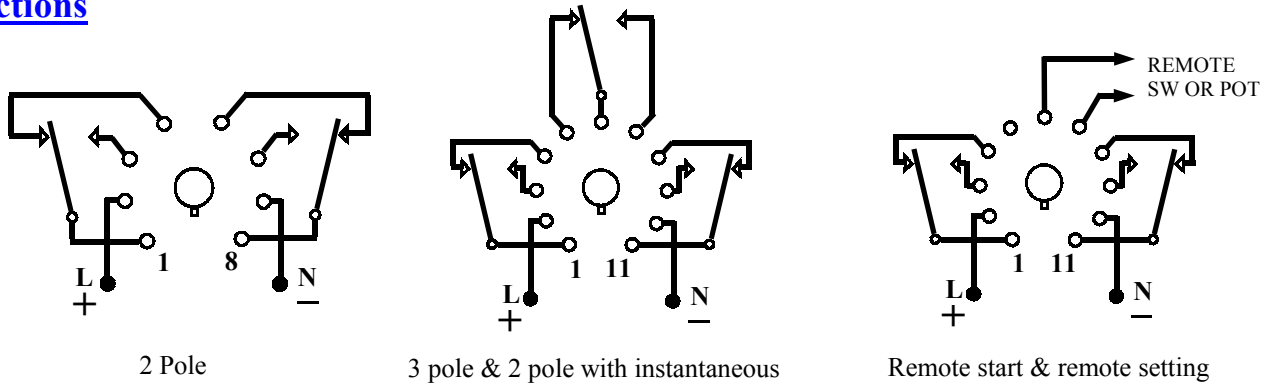
Remote Setting: The required time is set on a remote potentiometer wired to the timer base Only available with 2 pole timers



SPECIFICATION

- Time Ranges:** 1. 0.1—2.0 seconds, 2. 1—20 seconds, 3. 10—200 seconds, 4. 1—20 minutes, 5. 10—200 minutes, 6. 1—20 hours
- Repeat Accuracy:** Cycle to cycle repeat better than 1%
- Supply Voltages :** 12. 12 VAC/DC, 24. 24 VAC/DC, 48. 48 VAC/DC, 115. 115 VAC, 230. 230 VAC
- Supply Tolerance:** +15 % , - 10%
- Power Consumption:** 3VA or 2W
- Indicators:** Red LED for power and Green LED for relay On
- Output relay:** 8 Amp (resistive) @250 VAC
- Temperature:** -10 deg C to + 50 deg C
- Dimensions:** 48 x 48 x 110 (87 behind bezel) (Panel cut out 44 x 44)

Connections



- Order code:** 2 pole versions {type} - {time range} - {voltage}
- 2 pole versions + instantaneous {I} {type} - {time range} - {voltage}
- 3 pole versions {type}- {3P}- {time range} - {voltage}
- 2 pole remote start versions {type} {R} - {time range} - {voltage}
- 2 pole remote setting versions {type}- {time range} - {voltage}- {R}

- Example DI.2.230 (interval delay, 20 seconds, 230VAC)
- DO.3P.4.24 (delay on, 20 minutes, 24 VAC/DC)
- DI.R.3.115 (Interval delay, 200 seconds, 115 VAC)
- DO.2.24.R (Delay on, 20 seconds ,24VAC/DC, remote setting)

Specials: Also available are versions with factory set time period or special time ranges, Solid state outputs (open collector transistor, PNP or NPN types) Compatible with 2 wire AC proximity switches

Please call sales for more information

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