



Plug in Digital Set Timers

DDO/DDI

- Digital Set, 0—99
- Easy setting
- 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. The time is set with a 2 decade “push-push” switches that enable easy and repeatable setting.

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 options for remote starting and remote setting.

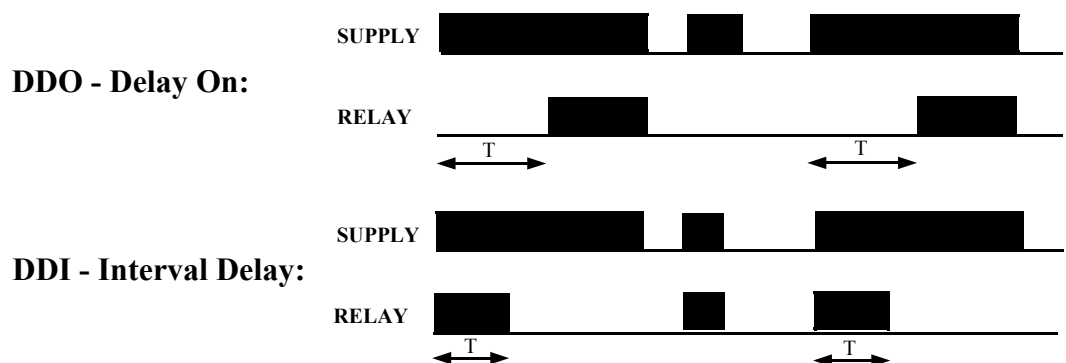
The timers are housed in a 48 x 48 DIN standard plastic enclosure that as well as fitting in a standard socket can be panel mounted using the clamp supplied.

MODES OF OPERATION

DDO - 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

DDI - 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

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

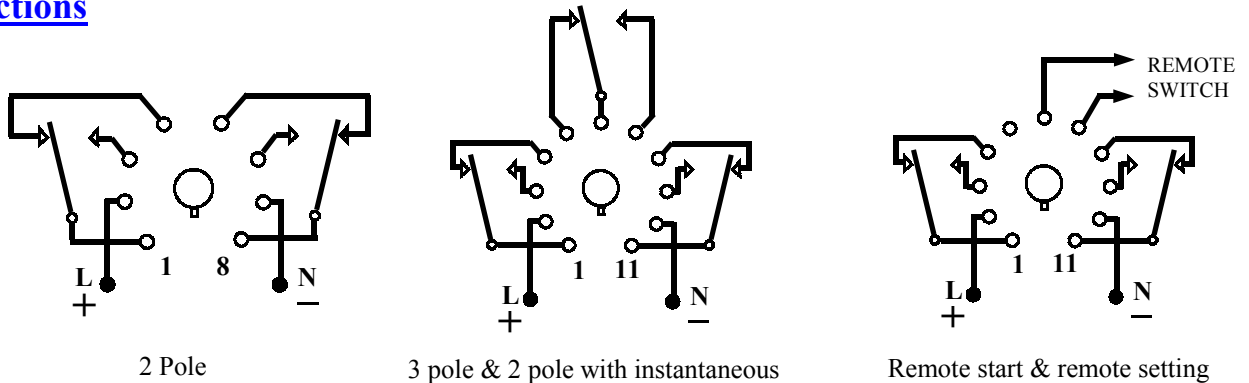
Remote Setting: The required time is set on a remote switch assembly wired to the timer base. Only available with 2 pole timers



SPECIFICATION

- Time Ranges:** 1. 0.01—0.99 seconds, 2. 0.1—9.9 seconds, 3. 1—99 seconds,
4. 0.1—9.9 minutes, 5. 1—99 minutes, 6. 0.1—9.9 hours
- Repeat Accuracy:** Cycle to cycle repeat better than 0.1%
- 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 92 (87 behind bezel) (Panel cut-out 44 x 44)

Connections



- Order code:** 2 pole versions {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 DDI.2.230 (interval delay, 20 seconds, 230VAC)
 DDO.3P.4.24 (delay on, 20 minutes, 24 VAC/DC)
 DDLR.3.115 (Interval delay, 200 seconds, 115 VAC)
 DDO.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

ABTEK CONTROLS A Servecon Ltd Company

Unit 16 Chamberlains Industrial Estate, Sporehams Lane, Danbury, Essex CM3 4AJ
Tel: 01245 222315 Fax: 01245 227072 Email sales@abtekcontrols.com

WEB www.abtekcontrols.com

