**TOUGH LEADS**

# Installation and User Manual
## Heavy Duty Plug-in Timer with a Contactor

## Specification

| | |
|---|---|
| Voltage | 230-250v |
| Switching current | **230v 16A & 32A Units**<br>40A (AC-7a) resistive, 15A (AC-7b) inductive<br><br>**415v 16A & 32A Units**<br>63A (AC-7a) resistive, 20A (AC-7b) inductive<br><br>Double pole switched contacts |
| IP rating | Timer enclosure IP55 (when front cover is closed)<br>CEE 60309 connectors - IP44 |
| Accuracy | $\leq$ 1 sec/day at 25°C |
| Back up | Built in lithium ion battery with 3yr reserve |
| Max on/off timings | 16 x on and off timing cycles |
| Minimum interval between on/off times | 1 min |

## Operating Instructions

| | |
|---|---|
| Setting the time | Press and <u>hold</u> the 🕐 button<br>Press **D+** to select the date<br>Press **H+** to select the hour<br>Press **M+** to select the minute<br><br>When the date and time have been entered, release the 🕐 button |
| Change between 12hr/24hr format | Press the 🕐 button for 3 secs to alternate between the 12 and 24 hour time format |
| Setting a time interval | Press the **P** button repeatedly to reach the timing setting required. There are 16 programmable time periods, numbered 1 to 16.<br><br>The ON time is shown first. Pressing the **P** button again shows the OFF time.<br><br>Where no time is currently programmed, the display will show - - : - -<br><br>When you reach the time setting required:<br>Press **D+** to select the date. Single days of the week and groups of days are available<br>Press **H+** to select the hour<br>Press **M+** to select the minute<br><br>To clear a time scroll to the require interval time and then press the **MANUAL** button. |
| Override | Press the **MANUAL** button to alternate between permanently off, permamently on and automated (controlled by the timer) |
| Factory setting reset | Press the **RESET** button |