

8 digit LCD timers with exceptionally low power requirement and 4 selectable time bases



DP-7450/7451

UL E 135458

These miniature timers are designed for PCB mounting and for minimal power consumption. The DP-7450 comes complete with reset button whereas the DP-7451 has no reset button.

In all modes the colon flashes at one second intervals when timing is taking place as opposed, for example, to having been interrupted by the remote start/stop facility.

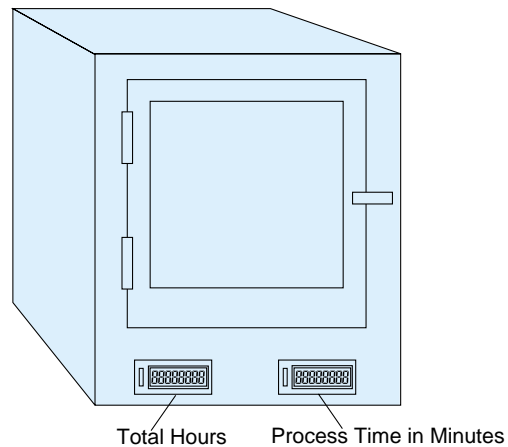
- Use of the latest CMOS technology achieves a power requirement of less than 30 microwatts.
- Eight digit 8mm high LCD high contrast display.
- Leading zero blanking.
- 4 user selectable timing modes: Seconds, Minutes/seconds Hours/minutes, and Hours/hundredths of an hour.
- Accuracy of ± 20 parts/million. (Quartz controlled).
- Remote timing start/stop control.
- Manual (DP-7450 model only) or remote reset.
- UL and cUL/CSA approved.

The timing mode is set up on installation by pin strapping. Connection is via 6 pins at 0.1 inch pitch. This would normally be used for PCB mounting but the pitch is standard and can also be used with plug connectors.

Typical Application

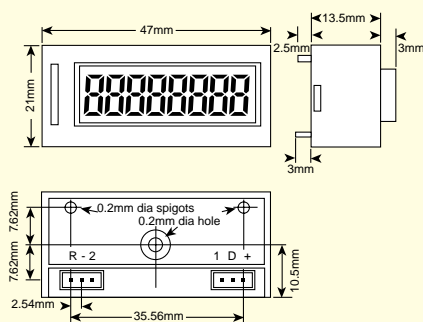
- *Indication of time between services
- *Hours count for run time of machines
- *Machine utilisation timing for pricing, estimating etc.

Environmental Test Chamber



Dimensions

47mm(W) x 21mm(H) x 13.5mm(D)



Specification

Supply Voltage
2.6-3.4VDC 3 μ A quiescent, 10 μ A maximum

Display
Eight digit 8mm high LCD high contrast with leading zero blanking

Mode Selection (1+D)
Connection or no-connection between two timing select pins and the positive rail

Timing Start/Stop Input (2)
NPN (sink)/contact closure compatible. Response time 15mS

Reset (R)
Manual pushbutton (DP-7450) on front or pin connection which is NPN (sink)/contact closure compatible
Response time 15mS

Accuracy
 ± 20 parts per million at 25°C 3VDC

Operating Temp.
-10°C to +60°C

Storage Temp.
-10°C to +60°C

Ordering Information

Order by type number:

- DP-7450 With push button reset
- DP-7451 Without push button reset