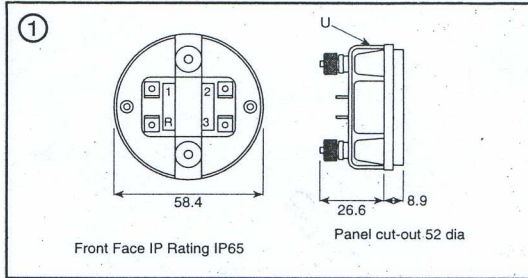


Instruction Leaflet

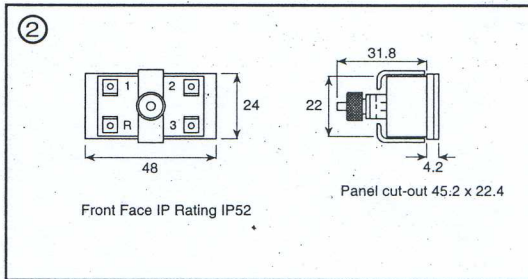


A range of counters and hour meters in sealed modules (IP65) with a 5mm high, 6-digit LCD display of count or hours run (99999.9 hours maximum). The units are available in 3 panel mounting case designs, commonly used in industry. Availability of units in various forms and supply voltages is listed below:

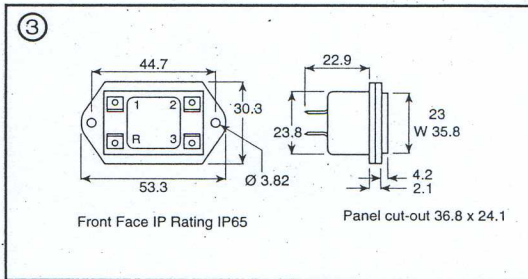
| | Meter type | Operating Voltage |
|-----------|------------|--------------------------|
| 185-5968 | Counter | 12-48 VDC |
| 185-6078 | Hour Meter | 12-48 VDC & 20-60 VAC |
| 185-6012* | Hour Meter | 48-150 VDC & 100-230 VAC |



| | Meter type | Operating Voltage |
|-----------|------------|--------------------------|
| 185-5946 | Counter | 5-12 VDC |
| 185-5974 | Counter | 12-48 VDC |
| 185-6040 | Hour Meter | 5-12 VDC & 6-12 VAC |
| 185-6084 | Hour Meter | 12-48 VDC & 20-60 VAC |
| 185-6006* | Hour Meter | 12-48 VDC & 20-60 VAC |
| 185-6028* | Hour Meter | 48-150 VDC & 100-230 VAC |



| | Meter type | Operating Voltage |
|-----------|------------|--------------------------|
| 185-5952 | Counter | 5-12 VDC |
| 185-5980 | Counter | 12-48 VDC |
| 185-6056 | Hour Meter | 5-12 VDC & 6-12 VAC |
| 185-7087 | Hour Meter | 12-48 VDC & 20-60 VAC |
| 185-6034* | Hour Meter | 48-150 VDC & 100-230 VAC |

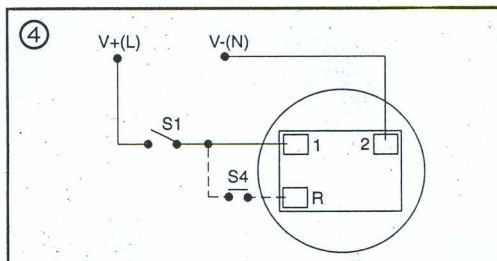


* These items are 2-wire operation (3-wire using reset). All other items are 3-wire operation (4-wire using reset). For wiring diagrams see overleaf.

V8994

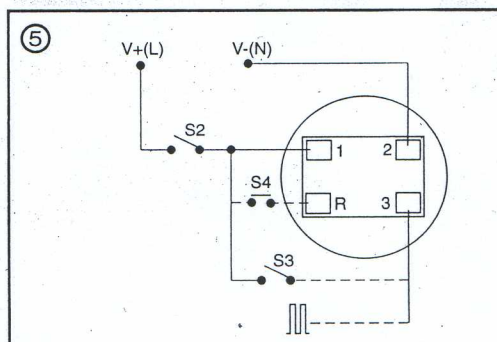
2-Wire Operation

On closure of S1, the liquid crystal display will be active and the unit will simultaneously begin to record elapsed time. On opening S1, the display disappears and elapsed time recording ceases. In this circuit, reset only occurs if S1 and S4 are closed.



3-Wire Operation

In this configuration, S2 will activate the liquid crystal display but the elapsed time, or input pulse, is only recorded when seen at terminal 3, the monitored input terminal. This form of operation permits the display to be permanently 'on' and independent of monitored input.



RESET: To reset the counters or hour meters to zero a voltage, with the range of the individual unit, must be applied to terminal R.
A non-latching push button is recommended for this.

Technical Specification

| Operating Voltage Nominal | Absolute Voltage |
|---------------------------|-------------------------|
| 12-48 VDC | 9-60 VDC |
| 12-48 VDC 7 20-60 VAC | 9-60 VDC & 15-75 VAC |
| 48-150 VDC & 100-230 VAC | 36-185 VDC & 75-270 VAC |
| 5-12 VDC | 4.5-15 VDC |
| 5-12 VDC & 6-12 VAC | 4.5-15 VDC & 5-15 VAC |

Current consumption

0.5mA Max @ 5 VDC (5-12 VDC)
0.8A Max @ 12 VDC (12-48 VDC)
1mA Max @ 120 VAC
2mA Max @ 230 VAC

Temperature range:

| | | |
|----------------------|-----------------------------|----------------|
| Operating | -40°C to +85°C | -40°C to +85°C |
| Storage | -50°C to +90°C | -50°C to +90°C |
| Relative humidity | 90%(non-condensing at 38°C) | |
| Shock resistance | 50g at 11ms | 50g at 11ms |
| Vibration resistance | 20g at 10-80Hz | 20g at 10-80Hz |