

Combined Counters and Hour Meters

Stock No. Description 183-363 Counter/Counter Hour meter/Counter 183-379 Hour meter/Hour meter 100-250V \cap \tag{ 183-385

Supply 100-250V \sim 100-250V ~

General

Counters and hour meters with 6-digit, 7 segment, 5mm high LCD displays, combined in DIN 43 700 - 48 x 48 panel mounting case.

The LCD of the hour meter module features a flashing hourglass icon which indicates hour meter activity. The icon flashes at a rate of 3 seconds on followed by 1 second off. During periods of inactivity, the icon remains steady. A decimal point before the last digit separates the hours from 1/10 hours.

Installation

The case is panel mounted through a 45 x 45 cut-out. A mounting U clamp is supplied.

Connections to the rear are via standard 0.25 inch shrouded receptacles provided.

The power supply must be isolated before accessing the rear terminals.

The combined units must be wired in accordance with the wiring diagrams as shown in figure 2 overleaf.

Note: The display is not normally visible when the power supply is not connected. Readings can be displayed by applying a 9V --- supply, e.g. a battery, between terminal 2 (+ve) and common (terminals 4 or 6).

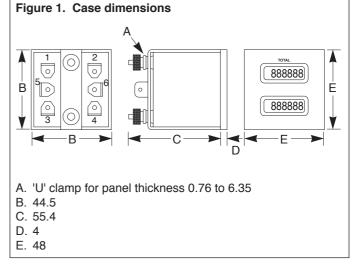
This supply must not remain connected when the unit is normally powered.

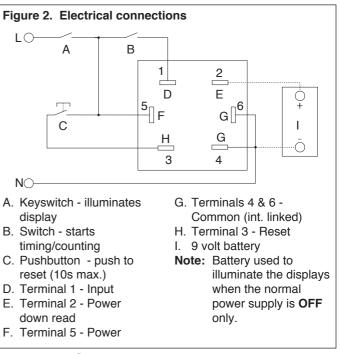
Function

Counter/counter: The displays are illuminated and the module powered up by applying the supply between terminal 5 and common (terminals 4 or 6). Input pulses (≥70ms) at terminal 1, are simultaneously recorded by the upper and lower counters. Momentary connection (≤10s) of the supply to terminal 3 causes the lower unit to reset.

Hour meter/counter: The displays are illuminated and the module powered up by applying the supply between terminal 5 and common (terminals 4 or 6). The number of inputs (≥70ms) and their duration, as seen at terminal 1, are recorded by the counter (lower display) and the hour meter (upper display) respectively. Momentary connection (≤10s) of the supply to terminal 3 causes both displays to reset.

Hour meter/hour meter: The displays are illuminated and the module powered up by applying the supply between terminal 5 and common (terminals 4 or 6). The total duration of the input, as seen at terminal 1, is simultaneously recorded by the upper and lower hour meters. Momentary connection (≤10s) of the supply to terminal 3 causes the lower hour meter to reset.





Technical Specification

Supply voltage

Supply frequency range Operating current Pulse count limits Accuracy (full scale)

Temperature limits: operating storage Relative humidity Shock resistance Vibration resistance 100-250V \sim nominal 80-275V min./max. 48-440Hz 4mA r.m.s. max. @ 120V \sim 70ms on, 140ms off

hour meters ±0.01% hours. counters +1 count.

-40 to C to +85 to C -50°C to +90°C 95% (non condensing at 38°C) 50g at 11ms 20g at 10-80Hz