FEATURES

- **Supply voltage of 85 V to 265 V ac/dc**

- **Counts in hours, minutes and seconds (incremental only)**

- **Voltage input type**

- **Terminal connection type**

- **Automatic and manual reset methods**

- **Relay output**

- **Electronic meter type**

- **Minimum operating temperature of -5°C**

- **Maximum operating temperature of +55°C**

- **44.8 x 22 mm**

- **Flush mount and panel mount type**

- **Maximum count frequency of 40Hz**

- **1(s) to 9999999(h) counter range**

- **CE, RoHS and UL94V0 approved**

RS PRO Counter, Digital Hour Meter Counter, 7 Digit LCD, 40Hz, 85 → 265 V ac/dc

RS Stock No.: 896-6983

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This 7-digit LCD (liquid crystal display) digital counter from the RS PRO range is specially designed to track and record time. Digital counters like these may also be referred to as hour meters.

Hour meters are typically used to measure the runtime of devices or machines for maintenance purposes. For example, an hour meter may be connected to an industrial engine to check the running conditions, schedule repairs or calculate when it's time to change the oil.

General Specifications

Measurement Range	0 to 9999999
Minimum Measurement	0
Count Mode	Hours, Minutes, Seconds
Maximum Count Frequency	40Hz
Display Range	9999999 to 9999.999
Display Type	LCD
Number of Digits	7
Digit Height	6.5mm
Function	Counter, Digital Hour Meter
Meter Type	Electronic
Reset Method	Automatic, Manual, No Reset
Count Direction	Up
Backlighting	Green
Enclosure Material	Plastic UL94 V0
Casing Colour	Black
Applications	

Function Characteristics:		
Number of Keys		2 (SET key & RSET key)
Reset Function	Reset Type	Manual (Front/Electrical) / Auto/Programmable Timeout Reset/No Reset
Hour Meter Function	Accuracy	+/- 2sec per day
Counter Function	Accuracy	100%

Electrical Specifications

Supply Voltage	85VAC/DC to 265VAC/DC
Connection Type	Terminal

Input Characteristics:	
Input Type	Voltage

Output Characteristics:	
Output Signal	Open Drain MOSFET 60mA
Interface	Relay

Mechanical Specifications

Mounting Type	Flush Mount, Panel Mount
Cutout Size	44.8mm x 22mm
Cutout Height	22mm
Cutout Width	44.8mm
Depth	64mm
Weight	52g

Operation Environment Specifications

Maximum Temperature	+55°C
Maximum Operating Temperature	+55°C
Minimum Operating Temperature	-5°C
Storage Temperature	-10°C to +60°C
Humidity	5% to 95% RH

Protection Category

IP Rating	Front Side: IP40; Terminals: IP20: Housing: IP30

Approvals

Compliance/Certifications	CE, RoHS, UL94V0

Cat. No.

Parameters		
Supply Voltage (⏚)	7 VDC to 60 VDC	90-277V AC/DC
Device Mode Selection	Counter / Hour Meter (Selectable)	
Device Configuration	Using SET & RESET switches & menu driven LCD screens	
Max. Power Consumption (W)	1 W	
Display	7 digit LCD, 6.5 mm Height	
Display Type	Negative Transmissive	
Backlit	Green	
Annuciators	LCD 1.1mm	
Indication Range for Counter	From 9999999 to 9999.999 with prescaler & decimal point selection	
Max. Counter Frequency	40 Hz or Pulse width 12.5ms (min.)	
Counter Accuracy	100%	
Counter Preset	Break-in type Preset with Output ON	
Indication Range for Hour Meter	999:99:99(Hr:Min:sec),99999:99(Hr:Min),9999999(Hr),9999999(Min),9999999(Min)	
Resolution for hour meter	1 sec	
Hour Meter Accuracy	±2sec per Day	
Hour Meter Preset	Recurring type Preset with Output ON	
Reset	Manual(Front/Electrical) / Auto/programmable Timeout Reset/No Reset	
Output Type	Open Drain MOSFET with source connected to common	
Output Rated current	60mA	
Output Over current protection	100mA	
Operating Temperature	- 5° C to +55° C	
Storage Temperature	- 10° C to +60° C	
Humidity (Non Condensing)	5 to 95% Rh (Without condensation)	
Enclosure	UL 94 V0 Plastic, Housing : IP30, Front side : IP40, Terminal : IP20	
Weight (Unpacked)	52g	
Panel Cut-out	22mm X 44.8mm	
Mounting	Flush / Panel Mounting	
Certification	CE RoHS Compliant	