



Water Timer

Timer is a microprocessor based unit that finds utility in time based control application. It is available in panel mount housing suitable for industrial panels.

Hardware Features

- Seven Segment 5 digit 1/2" Red LED display
- Four key front mount keypad for easy operation
- Inbuilt RTC
- Relay for timer ON - status
- Safety fuse
- Panel Mount Housing : 96 x 96 x 120 mm
- 230 V AC operation
- SMPS power supply to operate over a wide input range (90 to 270V)

Software Features

- One Relay Output remains 'ON' during count down, thus offers time – based control for external devices connected to it
- Indication LED for relay status
- Easy setting procedures
- Ability to withstand harsh industrial environment and atmospheric temperature variations

Application:

Concrete Batching Plant

Specification

Processor	8051 controller
Processor Clock	18 Mhz
Power Supply	SMPS Design
Input Voltage	90V to 270V AC @ 50Hz
Protection	Spike suppressor for input power 2.5 A Fuse for AC power input Input line filter for EMI and RFI suppression
A/D Converter Resolution	Sigma Delta Type with 24 bits resolution
Display	5 digit ½" RED Seven Segment LED display
Keypad	4 key front mount keypad
Output	One Relay (Potential free contact)
Indication	Buzzer for fault and data entry LED for process status / relay status
Mechanical	Dimensions: Case Size: 92mm(w) x 92mm(h)x120mm(d) Bezel size: 96x96mm Panel cut out :92x92 mm Depth: 140mm Weight: 500 gms (apporx)
Power Consumption	10VA (approx)
Environment	Operating Temp - 0° to 55° C Humidity - upto 95% RH non condensing
Enclosure type	Panel Mount with sheet metal & extruded aluminum sections



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