C628 AWESOME Elapsed Timers

Large, blazing bright, color-changing display… cumulative or single timing operation

All in the family - Matching C628 series products in other sections of this catalog:

C628 Totalizers:	**Section 1**
C628 Counters & Position Indicators:	**Section 2**
C628 Rate Meters:	**Section 4**

File No.: E185087

CE

The Veeder-Root brand C628 Elapsed Timer is a member of a family of 1/8 DIN instruments which offer breakthrough display technology as well as easy-to-program user setup. Its large LED display features the ability to change color based on process status such as exceding the preset value. Therefore, when monitoring an application's elapsed time, the C628 can provide operators with an instant visual alert to changes in the application's status.

- AWESOME 0.71" high digit LED display (27% larger than other 1/8 DIN units)
- Programmable color change display based on an event
- Programmable help function and secondary legend display
- Programmable for single input or cumulative operation
- Choice of NPN or PNP primary input
- Filter speed settable for 20, 200, or 10,000 Hz
- Standard outputs: 1 NPN transistor & 1 relay
- Front panel reset enable and preset/alarm lockout
- Optional RS-485 plug in card
- CE approved, UL, CUL recognized

The C628 Elapsed Timer has a definable set value at which an output will activate. The unit can be programmed to operate in a cumulative (elapsed time continues to accumulate during all instances when the input is active) or single (time value will display the elapsed time of an individual input and will reset to zero for each successive new pulse) input function mode. In addition, the time format (seconds, minutes, hours, minutes & seconds, or hours & minutes) and timing direction (up or down) can be selected.

SPECIFICATIONS

Count Inputs: Sinking/Sourcing or Contact Closure
Frequency: 10 kHz max.
Logic Low ≤ 2.0 VDC, Logic High ≥ 3.0, 30V max.
Impedance: 10 KΩ to common - Sourcing; 4.7 KΩ to +Voltage - Sinking

Control Inputs: Sinking, Edge Sensitive
Logic Low ≤ 2.0 VDC, Logic High ≥ 3.0
Impedance: 4.7 KΩ to +Voltage
Response Time: 25 ms
Functions: Input 1 - Remote Reset; Input 2 - Security Lockout

Outputs: Solid State: NPN open collector, 30 VDC max., 100 mA max.
Relay: SPDT, 2 A resistive@ 110 VAC
Latency: 75 μ seconds, plus 8 ms for relay pull-in

Communication: RS-485; Serial asynchronous, UART to UART;
Open ASCII: One start bit, even parity seven data bits, one stop bit;
Baud Rate selectable from 9600, 4800, 2400, or 1200
Maximum Zones: 99

Supply Voltage: 90-264 VAC, 50/60 Hz, or 20-50 VAC/VDC; 4 Watts

Accessory Power Supply: 9-15 (unregulated VDC), 125 mA max.

Display: Red/Green, 7 segment LED
Primary display: 5 digits, 0.71" (18mm) height
Secondary display: single digit, 0.3" (7mm) height

Time Formats: Seconds, Minutes, and Hours: XXX.X
Minutes & Seconds and Hours & Minutes: XX.XX

Dimensions: 48mm x 96mm, 110mm deep

Mounting: Panel mount (mounting bracket supplied), 45mm x 92mm cutout

Connections: Screw type terminals - combination head

Front Panel Rating: NEMA 4X/IEC IP65

Case Material: GE Lexan 940

Weight: 0.56 lbs.

Operating Temp.: 0° to 55° Celsius, 32° to 131° Fahrenheit

Storage Temp.: -20° to 80° Celsius, -4° to 176° Fahrenheit

Relative Humidity: 20% to 95% non-condensing

Approvals: CE, UL, CUL

Ordering Information:

Power Supply
0 90-264 VAC
2 20-50 VAC/VDC

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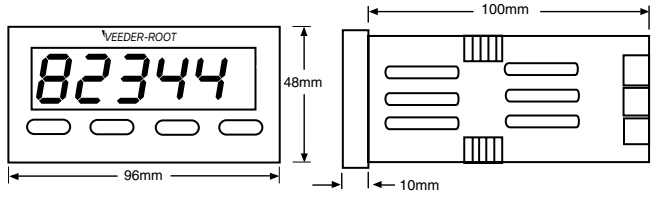
Serial Communication Option
0 None
5 RS-485

Dimensions:



Panel Cutout: 45mm x 92mm (1.77" x 3.62")