C628 Totalizer

The Veeder-Root C628 Totalizer is a member 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 exceeding the count preset. Therefore, when monitoring item or piece counting, length measurement, or other critical values, the C628 provides operators with instant visual alert to changes in the application’s status.

The bidirectional C628 totalizer provides count/direction operation and A+B or A-B operation, as well as a phased input from an encoder (quadrature). The front panel is rated NEMA 4X/IEC IP65 for use in washdown or dusty environments.

- 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
- Choice of NPN or PNP primary input
- Filter speed settable for 20, 200 or 10,000Hz
- Front panel reset enable and preset lockout
- Optional RS-485 plug-in card
- CE approved, UL, CUL recognized
C628 Totalizer

SPECIFICATIONS

COUNT INPUTS
- Sinking/Sourcing or Contact Closure
- Frequency: 50 kHz max. (5 kHz in quadrature mode)
- Logic Low ≤ 2.0 VDC, Logic High ≥ 3.0 VDC max.
- Impedance: 10 KΩ to common – Sourcing, 4.7 KΩ to +Voltage – Sinking

CALIBRATOR
- Multiplier: 0.0001 to 9.9999
- Sinking, Edge Sensitive

CONTROL INPUTS
- 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

COMMUNICATION
- Optional 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

FILTER SPEED
- Settable for 20, 200 or 1000 Hz

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

DIMENSIONS
- 48mm x 96mm, 10mm 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 TEMPERATURE
- 0° to 55° Celsius, 32° to 131° Fahrenheit

STORAGE TEMPERATURE
- -20° to 80° Celsius, -4° to 176° Fahrenheit

RELATIVE HUMIDITY
- 20% to 95% non-condensing

APPROVALS
- CE, UL, CUL recognized

DIMENSIONS

ORDERING INFORMATION

C628 - 1 0 0 X X

Serial Communication Option
0 - None
5 - RS-485

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