V4545 High Visibility

Big, bright LED display and advanced functionality… fits 1/16 DIN panel cutout

File No.: E185087

RECOGNIZED RECOGNIZED

The Veeder-Root brand V4545 Preset Counter breaks new ground for counters with LED displays. By providing capabilities well beyond event counting, the new V4545 Counter offers greater functionality along with the high visibility of an LED display.

Able to accept inputs from a wide variety of sources including encoders, and scale those signals into meaningful units of measure, the V4545 Preset Counter is well suited for applications such as cut-to-length and filling. Dual input channels, which can be used for reversible or quadrature counting, enhance the unit's versatility.

Single or preset models are available, as is a model that can be used to direct batching operations. Each preset value features both a transistor, which can interface to an external SSR or a PLC, and a relay output for directly driving a load. Outputs can be programmed for latching or timed operation.

- Large Dual-line LED Display for easy preset and count value viewing
- Scale Function allows display of Engineering Units (length, volume)
- High Speed Counting up to 10kHz
- Dual Input Channels for reversible or quadrature counting
- Input Signals accepted from a variety of sources: dry contact, PNP or NPN sensors, encoders
- Dual Preset and Batch Counting Models provide additional functions
- Relay and Transistor Outputs programmable for latching or timed operation
- Reset Capability from front panel, remote input or automatic
- Auxiliary 9-15 VDC supply for powering input devices
- Multilevel Security prevents unauthorized parameter changes
- NEMA 4X/IP65 Rated Front Panel for use in washdown environments

Ease of use is designed into the V4545 with setup being menu driven through the front panel. An auxiliary power supply simplifies wiring of inputs, and the draw-out case enhances serviceability. A universal AC power supply meets global power requirements, while the NEMA 4X/IP65 rated front panel enables use in washdown environments.

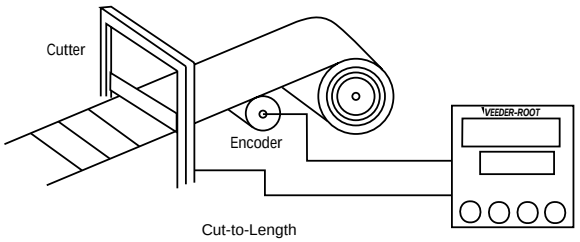
For LCD display, see SQUIRE
For three presets, see MAX Count 2

SPECIFICATIONS

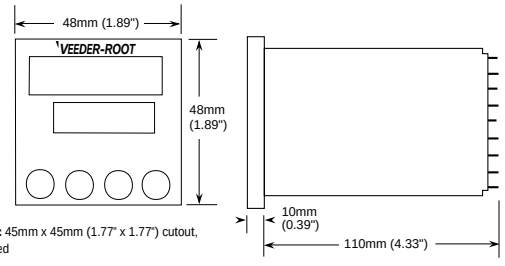
Count Modes: Add/Subtract (A-B) or quadrature field selectable
Count Speed: 20 Hz, 200 Hz, or 10kHz (5kHz, quadrature) field selectable
Presets: 4 digit, Single (V45450-1); Dual (V45450-2); or Single with Batch (V45450-3)
Reset: Front panel (selectable enable); remote input; or automatic
Calibrator: 0.001 to 9.999 multiplier common to inputs A and B
Decimal Point: Selectable from XXXX to X.XXX
Count Inputs: Sourcing low <2.0 VDC or open; high >3.0 VDC; Sinking low <2.0 VDC; high >3.0 or open
Control Inputs: Remote Reset and Program Enable; low <2.0 VDC, high >3.0
Number: One relay and one transistor per preset
Relay(s): SPDT 5A resistive @ 110 VAC
Transistor: NPN open collector; 30 VDC maximum; 100mA maximum
Dimensions: 48mm x 48mm; 110mm deep
Weight: Approximately 198 grams; 7 ounces
Mounting: Panel mount (mounting bracket supplied), 45mm x 45mm cutout
Terminals: Screw Type - combination head
Display: Dual line, seven segment LED; 10mm high top display; 7mm high bottom display
Supply Voltage: 90 - 264 VAC, 50/60 Hz
Accessory Power: 9 to 15 VDC, 0 - 100mA
Ambient Temperature - Operating: 0 to 55˚ Celsius; 32 to 131˚ Fahrenheit
Ambient Temperature - Storage: -20 to 80˚ Celsius; -4 to 176˚ Fahrenheit
Front Panel Rating: NEMA 4X/IP65
Approvals: CE, UL & CUL recognized

Model No.	Description
V45450-1	V4545 Counter, Single Preset
V45450-2	V4545 Counter, Dual Preset
V45450-3	V4545 Counter, Single Preset w/Batch

Typical Applications:



Dimensions:



Panel Mounting: 45mm x 45mm (1.77" x 1.77") cutout, hardware supplied