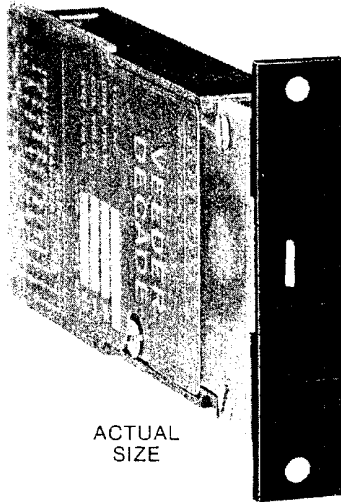


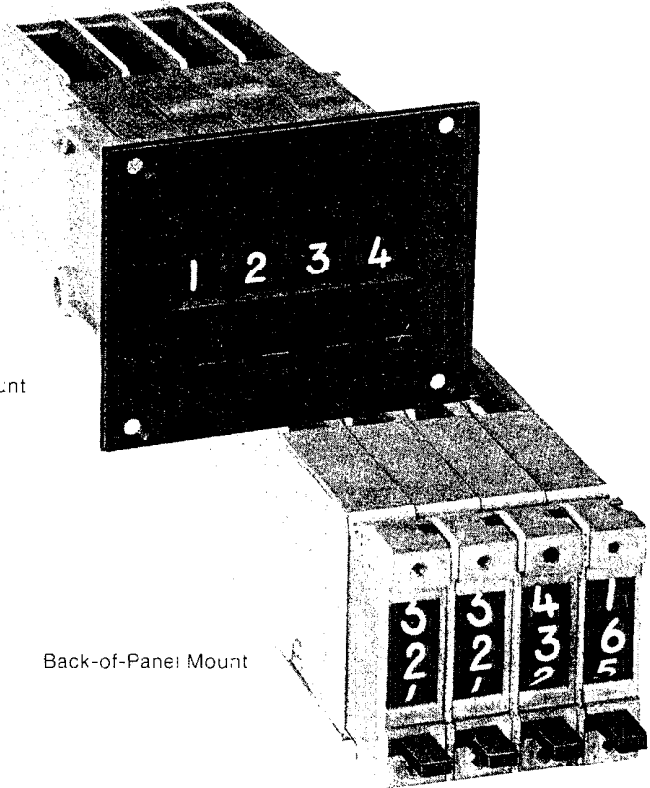


1969 VEEDER DECADE* COUNTER



ACTUAL SIZE

Panel Mount



Back-of-Panel Mount

VERSATILE SINGLE WHEEL COUNTING MODULE DISPLAYS PRODUCTION UNITS AND DIGITAL DATA OF ALL KINDS.

- High speed with high reliability.
- Built-in electric reset and transfer.
- Decimal or BCD readout.
- Accepts parallel entry.
- Self-supporting frame for rigidity and strength.
- Stacks easily for compact count or control package.

APPLICATIONS

High speed totalizing, remote electrical readout, predetermined control, digital data storage. Data processing, fluid metering, process control. Communications, instrumentation, production control.

STANDARD SPECIFICATIONS

- Count Speed:** 2400 cpm maximum.
- Minimum Count Pulse Timing:** 12.5 ms on-time or off-time.
- Voltage:** 24 VDC and 48 VDC. Allowable variation $\pm 10\%$.
- Readout:** Decimal or BCD (1, 2, 4, 8 and common).
- Temperature Range:** -32° to $+120^{\circ}$ F (0° to $+49^{\circ}$ C).
- Power Consumption:** 6.6 watts.
- Reset Voltage:** Half-wave rectified 60 Hz AC or pulsating DC.
- Reset Time:** 300 ms for half-wave rectified 60 Hz AC.
- Size of Figures:** 0.250 in. high by 0.167 in. wide (6.4 by 4.2 mm).
- Color of Figures:** White on black. Black on white optional.
- Character Configuration:** 0 to 9.

Preset: Manual pushbutton.

Reset: Electric.

Mounting: Panel or back-of-panel.

Maximum Readout Loads:

Static resistive or inductive (DC suppressed): 1 amp continuous, 2 amps intermittent, 200 VDC, 115 VAC.

Dynamic resistive: 600 mA, 200 VDC, 115 VAC, 20 watts.

Dynamic inductive (DC suppressed): 400 mA, 200 VDC, 115 VAC, 10 watts.

Minimum Readout Loads: For loads below 24 volts and/or 50 mA, consult Veeder-Root.

Connections: Plug-in connector, fits counter circuit board. Specify solder terminal or printed circuit board connector. See Accessories.

Construction: Frame: diecast Zamak. Wheels, ratchet: acetal resin. Shaft, springs: stainless steel. Readout contacts: coin silver. Circuit board: glass epoxy laminate with gold circuitry.

Net Weight: 6 oz. (170 gm.).

(See reverse side for Options, Accessories and Dimensions).

*Trademark of Veeder-Root

STANDARD MODELS

Series 1969 — Standard 10 position decade. BCD or decimal readout.

Coil Voltage	Coil Resistance	Type Readout	Type Mounting	Preset/Reset Button	Form Number
24 VDC	92 ohms	Decimal	Panel	No	196901-029
48 VDC	334 ohms	Decimal	Panel	No	196901-033
24 VDC	92 ohms	Decimal	Back-of-Panel	No	196901-005
24 VDC	92 ohms	Decimal	Panel	Yes	196901-065
48 VDC	334 ohms	Decimal	Panel	Yes	196901-069
24 VDC	92 ohms	BCD	Panel	No	196901-075
48 VDC	334 ohms	BCD	Panel	No	196901-077
24 VDC	92 ohms	BCD	Panel	Yes	196901-133

OPTIONS

The following options are possible from a design viewpoint. They will normally be available for larger-quantity OEM applications. Contact your local Veeder-Root/Digital Systems Division District Engineer or Regional Office for additional information or availability status.

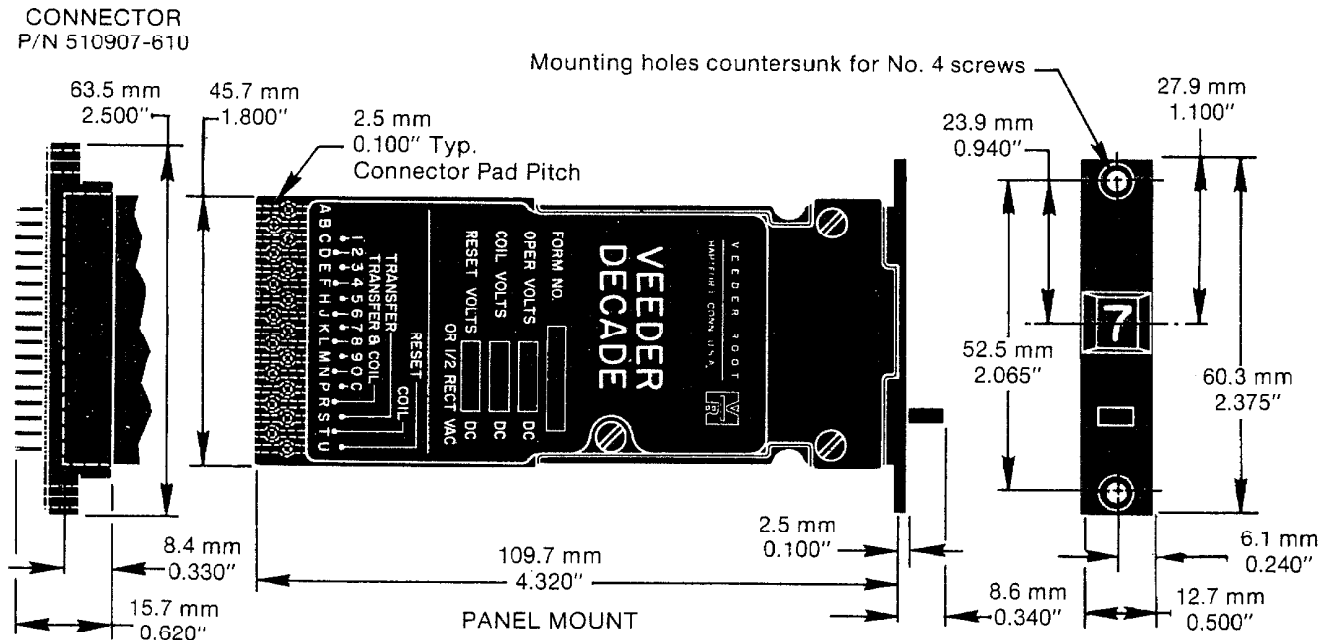
UL versions, figures black on white. Models without mounting holes, mounting brackets available for multiple decade assemblies.

ACCESSORIES

Connectors: Part Number 510907-610 has solder tab terminals. Part Number 510907-620 has printed circuit board terminals.

Veeder Decade Series 1993 Predetermining Counter also available for full digital display, control and input package. Request separate data sheets.

DIMENSIONS



NOTE: Request additional dimensional data and circuit information before ordering counter.

Information for guidance only. For current specifications and dimensions, or possible modifications, let our engineers assist you.

VEEDER-ROOT 
Digital Products

125 Powder Forest Drive, Post Office Box 2003, Simsbury, CT 06070-2003 TEL: (203) 651-2700, FAX: (203) 651-2750