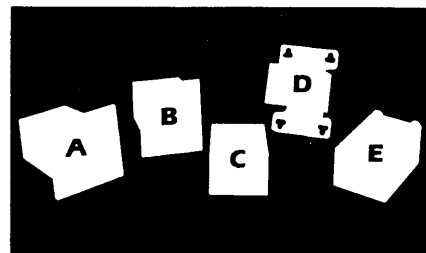
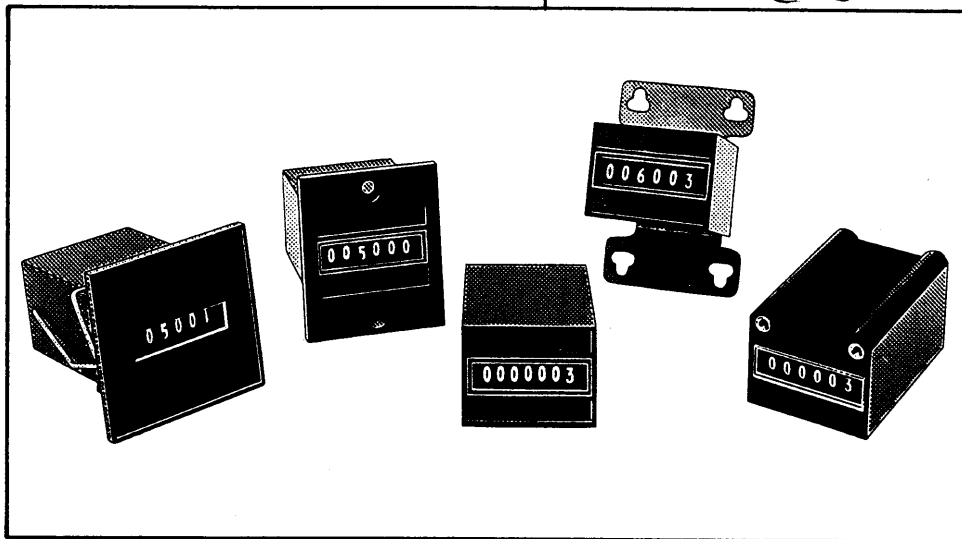




Series 7790 Electromechanical Non-reset counter

NEW
from
VEEDER-ROOT

107 326



- A — Clip Mount
- B — Panel Mount
- C — Bottom Mount
- D — Base Mount
- E — Back of Panel

Series 7790 offers all the options you ever wanted in a non-reset electromechanical counter.

Ideal for gaming, amusement and vending machines as well as for a wide variety of other applications.

Features

- 6 or 7 figure display
- Wide range of voltage versions
- Panel, bottom, base, back of panel or clip mount.
- Shock resistant, anti-tamper construction.

Specification

Number of Figures: 6 or 7

Figure Size: .156" high, .070" wide (4.0mm x 1.8mm)

Colour of Figures: White on black

Count Speed: 600 cpm

Minimum Count Pulse Timing: 50 ms minimum on time and off time

Continuous Coil Energisation: Voltage may be applied to count coil continuously without causing damage — unlike many other counters.

Count Life: 10 million counts DC versions, 2 million counts AC versions under normal operating conditions at +77°F (+25°C)

Voltage: 24, 48, 115, 230 v-AC; 3, 4.5, 6, 10, 12, 24, 48 v-DC — with or without Diode

Voltage Tolerance: ± 10% or 10 volts, whichever is limiting

Power Consumption: 5VA AC, 1.5 VA DC

Operating Temperature Range: +32°F to +122°F (0° to +50°C)

Mounting: Base, panel, bottom, back of panel, clip.

Connections: # 22 AWG Black leads from bottom of counter

Material: Wheels, Verge and Pinions — Acetal Resin, Crystal — Polycarbonate; Case and Panel Mounting

Flange — Polyphenylene Sulphide; Frame, Core, Armature and Base Mounting Flange — Plated Steel; Shafts — Brass; Springs — Music Wire.

Net Weight: 3.2oz (90 grams)

Form Number — Selection Table

779006-001			
Basic Series No.			
Approval Status			Voltage
No. of Figures Visible			Mounting Type

Approval Status

- 7 — CSA only
- 8 — UL & CSA
- 9 — UL only
- 0 — Standard European

Number of Figures Visible

- 5 — Five
- 6 — Six
- 7 — Seven

Mounting Type

- 0 — Base
- 1 — Back of Panel
- 2 — Panel
- 4 — Bottom
- 5 — Clip

Voltage

without Diode	with Diode
01—115v AC	
02—230v AC	
03—24v AC	
05—48v AC	55—48v DC
06—24v DC	56—24v DC
07—12v DC	57—12v DC
08—6v DC	58—6v DC
10—4.5v DC	60—4.5v DC
11—3v DC	61—3v DC
15—48v AC	

*Other variants available on request.
Please quote full spec when ordering.



Veeder-Root Ltd, Kilspindie Road, Dundee DD2 3QJ
Telephone: (0382) 84161 Telex: 76146

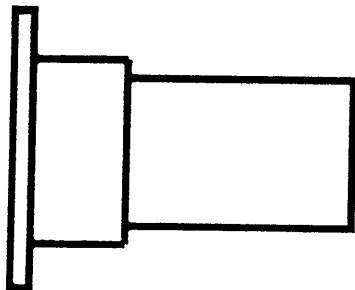
VEEDER-ROOT 7790 PANEL MOUNT COUNTERS TYPE : 779086-2xx & 779096-2xx

For many years the case of the Veeder-Root 7790 panel mount counter was moulded in two parts, a front panel and a rear case. The front panel had a rear-projecting flange, into which the rear case fitted.

The recommended panel cut-out, to accommodate the counter, was 36.5mm x 29.4mm.

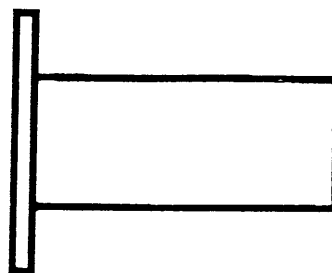
During 1998, it was decided to change the case moulding and produce the case in a one-piece mould. The result of this change meant there was no requirement for the front panel rear-projecting flange. The front panel size and fixing hole requirements remained the same.

Without the front panel rear-projection, the mounting-hole panel cut-out requirements could have been specified smaller [34x26mm]. However, because of the world-wide popularity of this counter, with millions already in use, because of large stock holdings at our factory and distributors it was decided to still recommend a panel cut-out size of 36.5mm x 29.4mm. Thus enabling both versions to be used.



V-R 779096-2xx 2 part case

Rear case : 33x25
Rear flange : 35.5x28.4
Panel cut-out : 36.5x29.4
Front panel : 45.5x38.5
Hole spacing : 35.5 [centres]



Not to scale

V-R 779096-2xx 1 part case

Rear case : 33x25
Recommended
Panel cut-out : 36.5x29.4
Front panel : 45.5x38.5
Hole spacing : 35.5 [centres]

Technical drawings of the M107C connector. The left drawing is a front view showing a symmetrical connector with a central pin array. Dimensions include a total width of 39.7mm (1.562 inches) and a total height of 58.7mm (2.312 inches). The central pin array is 25.4mm (1.000 inches) wide and 22.2mm (.875 inches) high. The right drawing is a side view showing the profile of the connector. Dimensions include a total width of 33.2mm (1.306 inches) and a total height of 54.9mm (2.163 inches). The side view also shows the mounting tabs and the stripped length of the wires.

Technical drawings of the SCS-1000 alarm unit showing front, side, and rear views with dimensions in millimeters and inches.

FRONT VIEW:

- Top width: 36.5 mm (1.437")
- Top inner width: 18.2 mm (.718")
- Left height: 35.6 mm (1.400")
- Right height: 29.4 mm (1.156")

SUGGESTED PANEL CUTOUT

SIDE VIEW:

- Top width: 38.7 mm (1.524")
- Top height: 22.9 mm (.900")
- Top inner width: 19.4 mm (.762")
- Top inner height: 6.4 mm (.250")
- Top outer height: 45.7 mm (1.800")
- Top inner height: 35.6 mm (1.400")
- Top inner width: 17.8 mm (.700")
- Top outer width: 35.8 mm (1.410")
- Top hole for NO. 6 F.H.M.S. (2 PLACES)

REAR VIEW:

- Top width: 27.9 mm (1.100")
- Top height: 3.2 mm (.125")
- Top outer height: 54.9 mm (2.163")
- Top inner height: 1.6 mm (.062" REF. (2 PLACES))
- Top inner width: 254 mm (10.000") (2 PLACES)
- Top inner height: 9.5 mm (.375" STRIPPED (2 PLACES))
- Top wire: #22 AWG. COLOR - BLACK

TOM MOUNT

Top View:

- Overall width: 33.2mm (1.306")
- Overall height: 25.4mm (1.000")
- Top edge feature: 6.4mm (.250")
- Left edge feature: 12.7mm (.500")

Side View:

- Mounting hole depth: 54.9mm (2.163")
- Mounting hole diameter: 1.6mm (.062") (2 PLACES)

Detail View:

- Screw: #4 (.112) 40 UNC-28 (2 PLACES)
- Mounting hole depth: .090 MAX DEPTH OF MOUNTING SCREW ENGAGEMENT
- Mounting hole diameter: 6.0mm (.235" REF.) (2 PLACES)
- Mounting hole diameter: 3.4mm (.135" REF.) (2 PLACES)
- Mounting hole diameter: 7.9mm (.312")
- Mounting hole diameter: 12.7mm (.500" REF.)
- Mounting hole diameter: 15.9mm (.625")
- Mounting hole diameter: 16.6mm (.653" REF.)

Bottom View:

- Mounting hole diameter: 25.4mm (1.000") (2 PLACES)
- Mounting hole diameter: 9.5mm (.375" STRIPPED) (2 PLACES)
- Wire: #22 AWG. COLOR - BLACK

FRONT VIEW

3.8 mm
.150" RAD

25.4 mm
1.00"

3.9 mm
.153"

11.2 mm
.439"

12.7 mm
.500"

33.2 mm
1.306"

6.4 mm
.250"

25.4 mm
1.00"

BRASS INSERTS TAPPED FOR L#4 (.112) 40 UNC-2B-.218 MAX. THD. LENGTH

LEFT SIDE VIEW

54.9 mm
2.163"

1.6 mm
.062" (2 PLACES)

3.4 mm
.135" REF. (2 PLACES)

5.9 mm
.235" REF. (2 PLACES)

RIGHT SIDE VIEW

254.0 mm
10.00" (2 PLACES)

9.5 mm
.375" STRIPPED (2 PLACES)

Dimensions shown are for GURE versions