CURTIS

Electronic Elapsed Hour Counters

Panel Mounting - Type 231



Connections

- 1 Reset 2 Enable
- 3 Supply L (common)
- 4 Supply N

H = 24, W = 48, D = 31.5 (overall) Panel cut-out = 22.2 45

- Elapsed hour meter housed in DIN case sealed to IP65
- Finger proof protected to IP20
- Supply voltage connection permits perminant display
- Separate start input connection
- Non-volatile memory allows data retention 25yrs minimum
- Remote electrical reset facility
- Wide temperature range, low power consumption, high shock resistance

80 to 230V ac ±10% 50/60Hz 6 digit LCD, 99999.9hr, 5mm height Display

Operating temperature -30°C to +65°C

Price Each Mftrs Order Code List No 25+ 50+ 1+ 5+ 10 +MC 322-500 516-259

Elapsed Hours/Mins/Secs Counter

6 Digit LCD Elapsed Time Indicator





H = 24, W = 48, D = 67

- 6-digit LCD display (7mm high digits)
- Crystal-controlled time base (accuracy +50ppm)
- Start input and zero reset
- Integral module for voltage inputs (5-50V ac/dc, 48-240V ac)
- 4 time ranges: 99,999.9hr, 99,999.9min, 99hr 59min 59sec, 99,999.9sec
- Possibility to load current value
- Lithium battery, 5 year life (with isolation switch)
- Panel or remote reset with inhibit facility
- Front panel protection to IP66

	Mftrs.	Order			Price	Each		
Input Type	List No.	Code	1+	5+	10+	25+	50+	100+
Solid State Voltage	87610140 87610150							

Counter and Elapsed Hour Counter Modules

PCB Mounting Modules

CURTIS



Pin connections N V- (common) I Signal/Pulse input

*At supply voltage for 2s (max)

PCB: H = 19, W = 33, D (above PCB) = 5 Pin spacing = 14 28 Note: For proper mechanical support, all 4 pins should be soldered to the PCB.

- Electronic elapsed hour and pulse counters suitable for PCB mounting
- Supply voltage connection permits permanent display if required
- Non-volatile memory allows data retention for 25yrs
- Remote electrical reset facility, wide temperature and voltage range
- Low power consumption, high shock and vibration resistance

12-48V dc (nom), 9V dc (min), 60V dc (max) Supply voltage 6 digit LCD, 99999.9hr/999999, 5mm height (Hour glass icon and D.P. on hours meter only) Count frequency 500Hz (pulse counter)

Operating temperature -40°C to +85°C

Mftrs, List No. CD701-024 = 516-284, CD703-025 = 516-296

			Price Each			
	Order Code	1+	5+	10+	25+	50+
Hours counter	.516-284					
Pulse counter	.516-296					

Electromechanical Counters

7 Digit Non-Reset - F703 Miniature PCB Mounting



 Miniature 7-digit non-reset counters housed in translucent plastic case with magnifier window Solder pin connections on base suitable for flow sol-

Insensitive to external magnetic fields and resistant to

H = 14 (excl. pins), W = 25, D = 31, Pin fixing centres = 15.2 25.4,

10ips Max count speed Min. pulse time 50ms Pulse/pause ratio

±10%

Voltage tolerance

Power consumption 12V: 250mW 24V: 460mW Temperature range -20°C to +70°C

This range replaces range previously offered Order Codes 233-316, 233-328 with opposite Note:

Pins L = 6.5. Dia = 0.6

Mftrs, List No: F703.70BP/12VDC = 472-268. F703.70BP/24VDC = 472-270

		Price Each				
Voltage	Order Code	1+	25+	100+	250+	
12V dc	472-268†					
24V dc	472-270†					
†Available u	ntil stocks are exl	nausted				

6 Digit Non-Reset - Type 635 **Miniature Panel Mounting**

HENGSTLER

- Miniature 6-digit non-reset counters for panel mounting
- Housed in translucent plastic case with magnifier window
- DC types feature high shock resistance with solder pin connections
- 230Vac type has screw terminal connections

 $H=20,\ W=30,\ D=34$ (behind bezel, excl. pins) $H=20,\ W=30,\ D=43$ (behind bezel, excl. tmls) Panel cut-out = 14.2 27

dc Types ac Type

10 ips Max. count speed 10 ips Min. pulse time Pulse/pause ratio 50ms 50ms 1:1 1:1 Voltage tolerance +10% -10 +6%

Power consumption5V, 12V: 78mW, 24V: 155mW 665mW Front face protection IP66 Temperature range -40°C to +85°C

Mftrs. List No:

0.635.815 = 233-298

Voltage **Order Code** 10+ 100+ 250+ 5V dc 233-262 12V dc 233-274 24V dc 233-286 230V ac 233-298

6 Digit Non-Reset - 7790 Series

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Panel Mounting: H = 45.7, W = 38.7, D = 54.9 Panel cut-out: H = 29.4, W = 36.5 Fixing centres = 35.6

Base Mounting: H = 58.7, W = 39.7, D = 59.6 Fixing centres = 47.2 30.5

- 6-digit non-resettable counters housed in a black polycarbonate case
- Available in panel or base mounting versions
- Count coil can be continuously energised without adversely affecting life span
- Electrical connections are via two 25cm flying leads
- UL approved

Max. Count speed 10ips Minimum input time Minimum pause time 50ms 50ms

5VA ac types, 1.5W dc types $\pm 10\%$ or 10V, whichever is limiting Power consumption Voltage tolerance

Count life 10 million counts dc version, 2 million counts ac version

Operating temperature range