M355-CD
LED Digital Count Down/Up or TOD Display

The M355 LED Digital Count Down/Up Display shows countdown or countup from a Pseudo IRIG timecode input. Alternatively it shows time-of-day (TOD) if a serial input or input from other timecodes is received.

Features

- High-intensity LED digits
- Excellent readability
- Suitable for interior applications
- Rack-mountable
- Automatic recognition of timecode format
- Shows time in a number of formats including sign with days or hours through to tenths of a second

M355-CD Options

Feature	M355-CD
Single/Double sided	Single
No. of Digits	9 / 11
Digit Size (mm)	60 / 100
Digit Type	7 Segment
Digit Colour	Red / Green / Yellow
Input Signal	Serial / Timecode
Power	AC
Front	Acrylic
Application	Indoor
Mounting	Ceiling / Wall

Timecode Input

Most timecode formats are recognised; where time formats share a common timecode structure (such as IRIG-B and Pseudo IRIG) an internal switch is used to set the selected timecode format.

If the display receives Pseudo IRIG timecode it will display time countdown/up. Countdown time is displayed as a negative quantity which gets smaller counting down to zero.

The display will show time-of-day (TOD) if a modulated carrier timecode source (such as IRIG-B) is received.

Serial Input

If the display receives Serial input, time-of-day (TOD) will be shown.

Applications

The M355-CD is ideal for use in range timing applications or other general purpose time display applications particularly where event time management is required.

The M170 Countdown/Up Generator is compatible with this display and can feed it directly with Pseudo IRIG timecode for range timing applications.

M355-CD Specifications

General

Display Digit Colour:	Red, Green, Yellow
Standard Case Colour:	Black
Power:	90-264V AC 48-62Hz or PoE+
AC Power Connection:	Approx 2.4m flying lead
Data Protocol:	Self Configuring Protocols included for commonly available Master Clocks

Timecode Input

Timecode input:	Modulated timecode 3Vp-p max to 30mVp-p min
Connection:	BNC connector
Countdown /Up code:	Pseudo IRIG-B, IRIG CS254-z
Auto-sensed timecodes:	IRIG-B, AFNOR S 87500, NASA36, 2137 / XR3 IRIG CS524-z
AGC Range:	>40db
Input Impedance:	1:1 Transformer 600Ohm transformer couples into >120k Ohm input
Lock range:	>+- 50ppm
Free run accuracy:	<+- 10ppm (for error bypass operation on time-of-day input timecode)
Time to first display: (input signal connected)	Pseudo IRIG-B typically 3 seconds after end of self tests; IRIG-B typically 7 seconds after end of self tests

Serial Time Display

Interface Standards:	RS232 / RS422 / RS485
Connection:	Flying lead
Serial input/output config:	9600 baud, 7 data bits, ODD parity, 1 stop bit (factory default)

Environmental (Operation & Storage)

Temperature:	-10°C to +50°C.
Humidity:	Up to 95% RH (non condensing)
Ingress Protection:	Approved to IP40 (IEC529)
EMC:	CE Compliant

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