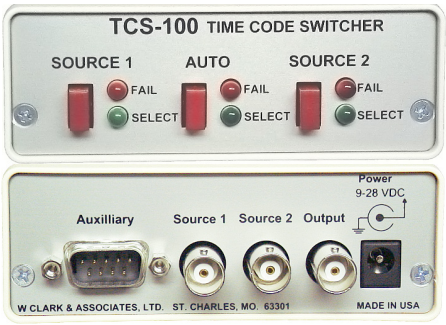
Masterclock®

Time Code Interfaces

TCS100

FEATURES

- Accepts SMPTE / EBU or IRIG-B (modulated and unmodulated time code)
- Automatically determines time type and switches to the alternate source if time code is lost or if a problem is detected in the primary time code source
- Front panel switches allow manual selection of source A or B or automatic mode.
- "Good" - "Fail" indication and selection status of each time code source and the changeover unit is shown with front panel LEDs
- An auxiliary A/B source can be switched along with the TC. This auxiliary switching is a relay contact and can be used to switch any low level control or signal source
- Internal alarms sound (can be disabled with jumpers) upon loss or failure of a source of TC or switcher unit.
- A relay contact closure is provided for an external alarm
- Alarm can be reset from front panel.
- Status and other system information is provided via a simplex (one way) RS-232, 9600 BAUD



Rack mountable with RM4

SPECIFICATIONS

Supported Time Codes
> SMPTE (30fps, 25fps, and 24 fps) - non-drop frame only
> IRIG-B (B0, unmodulated/pulse width modulated/dc level shift)
> IRIG -B (B1, 1kHz Amplitude Modulated)

I/O Connections
> Time code inputs: isolated BNC, unbalanced
> Time code output: isolated BNC, unbalanced
> Auxiliary switching via DB-9
> External alarm via DB-9
> DC input via 2.1mm oower connector

Power
> DC input (9 - 28 VDC)
> Includes wall-mount 24 VDC power supply - UL and CE listed
> Power consumption: < 6W

Physical
> Size: 1.5 x 4.1 x 5.5 in (3.8 x 10.4 x 14 cm)
> Weight: 16 oz. (454 g)

Case
> Case cover: off-white aluminum
> Front/rear panel: clear anodized aluminum

Operating Parameters
> Temperature: 0 to 60°C
> Humidity: Up to 90% (non-condensing)

Compliance
> FCC, ROHS, CE Marked, ANSI