

Courtyard

CY445 Universal Automatic Changeover

The CY445 is a universal automatic SPG changeover unit intended for use with the Courtyard CY440 SPG, Test Pattern & Timecode generator. All channels measure both the “primary” and “backup” signals. The standard unit is supplied with two **external** hot-swappable power supplies for maximum redundancy.

To allow for mixed format requirements and offer maximum flexibility, each channel can be set to measure analogue colour black, standard definition SDI video, high definition SDI video, high definition 3G video or AES/EBU audio (75Ω).

Each channel has a primary input, a backup input and a common output and a relay that switches one of the input channels to the common output.



FEATURES

6 Channels in 1 rack unit	Dual redundant Hot-Swap External PSUs
Front panel Fault Indication	All Channels Switch if one fails
Manual Override facility	Remote Control via Ethernet using Dashboard from Ross Video
All Channels can measure analogue colour black, SD & HD SDI, 3G SDI, HD Tri-Level sync, unbalanced LTC, AES, DARS & Wordclock	SNMP Supported

Courtyard Electronics Limited

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SPECIFICATION

Conforms to relevant EBU, CCIR or SMPTE specifications.

Input (per channel)

Primary (terminating BNC)
Backup (terminating BNC)

Output ((per channel)

BNC (single)

Controls and Indicators

LCD Display, Rotary Knob & Switch

Changeover threshold

Analogue colour black: On loss of signal

Serial Digital Video: On loss of signal

AES/EBU audio: On loss of signal

DARS: On loss of signal

Wordclock: On loss of signal

HD Tri-level sync: On loss of signal

Timecode: On loss of signal

Return Loss

Better than 36dB @4.43 MHz

Isolation

Better than 60 dB, both directions on all channels to 1.5 GHz

Mechanical

Height: 1 rack unit
Width: 19" rack mounting
Depth: 245 mm (overall)
Weight: 3 Kg (unpacked)

Power

DC +12V

Ordering information

CY445 - 6 channel SPG changeover unit with external redundant PSU's

*Operational temperature range is 0 to +40°C

Courtyard Electronics Limited reserves the right to change the specification without prior notice.



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