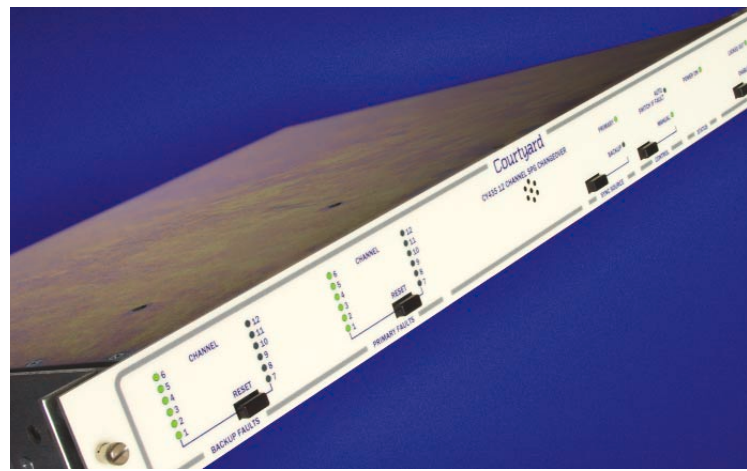


# CY435 Universal SPG changeover

The CY435 is a universal, modular automatic SPG changeover unit. It works in conjunction with Courtyard's range of SPG's and test pattern generators. It accommodates up to 12 channels where channel 1 is a measured channel, 2 - 6 can be additional measured channels and 7 - 12 can be either measured or slaves.

To allow for mixed format requirements and offer maximum flexibility, each measured channel can be set to measure analogue colour black, SDI video, or AES/EBU audio (75Ω) and will generate a 'contribute to local request'. Each measurement channel may generate a 'contribute to global request' and can be selected to switch if it receives 'local request to switch' and/or 'global request to switch'.



## FEATURES

- Up to 12 channels in 1U
- Front panel audible and visual fault indication
- Manual override facility
- Measure channels can measure analogue colour black, SDI video, HDTV tri-state sync, Timecode, or AES/EBU audio
- Measure channels will generate a 'contribute to local request'
- Measure channels may generate a 'contribute to global request'
- Measure channel can be selected to switch if it receives 'local request to switch' and/or 'global request to switch'
- Each slave channel requires a measurement channel
- Slave channels switch when measure channel switches
- Measure channels always report errors even when not selected to switch
- The error report is persistent and is only reset by the user

# Courtyard

Input of excellence, output of quality

## 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

Panel lock/Enable: button and LED's

Status: LED

Control: button and LED's

Sync source: button and LED's

Primary faults: button (for reset) and LED's

Backup faults: button (for reset) and LED's

### Changeover threshold

Analogue colour black

Sync: 4.86dB

Burst: 4.86dB

Serial digital video: 4.86dB

AES/EBU audio: 4.86dB

HDTV tri-state sync: 4.86 dB

Timecode: 4.86dB

### Return loss

Better than 36dB @ 4.43 Mhz all channels

### Isolation

Better than 60dB, both directions on all channels

### Detection and switching delay

100ms

### Mechanical

Height: 1 rack unit

Width: 19" rack mounting

Depth: 380 mm (overall)

Weight: 8 kg (packed)

### Power

Depends on configuration 40 watts maximum

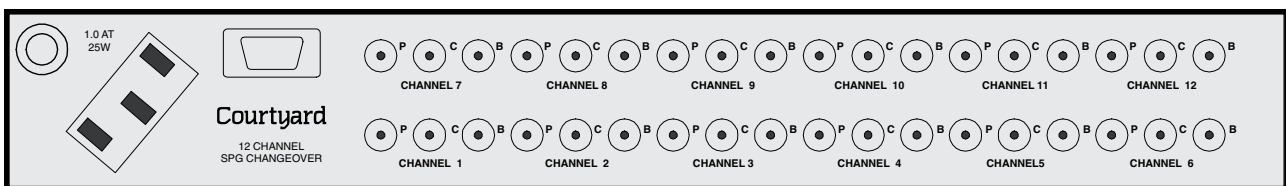
### Ordering information

CY435F 1U frame & PSU

CY435M 1 measure channel

CY435S 1 slave channel

Courtyard Electronics reserves the right to change the specifications without prior notice.



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