

CO490 UNIVERSAL SPG CHANGEOVER

The Sigma Electronics CO490 is a universal, modular automatic SPG changeover unit. It works in conjunction with Sigma's full-featured TSG490 SPG and Test Pattern Generator but can also easily be incorporated into any system currently containing an SPG or test pattern generator. 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 analog blackburst, SDI video, or AES/EBU audio (75W) 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 analog blackburst, 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

Prices and specifications are subject to change without notice

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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

Analog blackburst
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: 15" (overall)
Weight: 17.6 (packed)

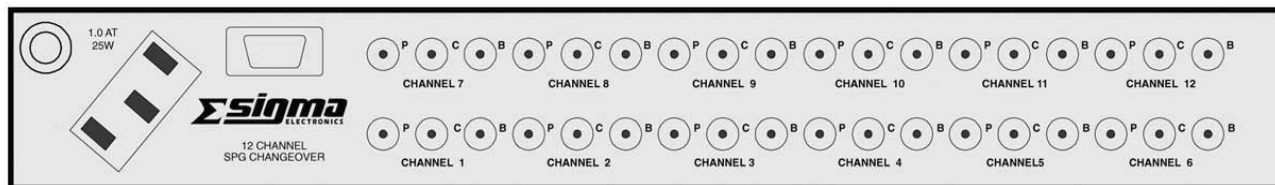
POWER

Depends on configuration 40 watts maximum

ORDERING INFORMATION

Model Numbers

CO490	1U frame, PS, (1) measure and (1) slave channel
MC490	CO490 Measure channel
SC490	CO490 Slave channel



CO490 rear panel

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