



PCO-818-OP/SDI

Auto Change Over Unit HD/SDI or SD/SDI



When inserted in the PCO-818 frame, its advanced modular design provides a level of flexibility never before available in an Automatic Changeover unit. When combined with its sync generator companion, the SPG-812, the PCO-818 frame can offer the best performance and reliability available today. The basic function of the 818 OP/SDI is to monitor an installation's SDI signal (HD or SD) and automatically switch to a backup SDI signal in the event of a failure. It's modular design offers several advantages over traditional automatic changeover units.

Monitor only the signals used by the system: no need to pay for monitoring capability that is not required by the system. Install only the modules you need now-add more later.

Since the PCO-818 frame and the SPG-812 frame share a common chassis, modules may be interchanged between units. It also allows us to mix analog and digital signal monitoring in the same chassis. For example, a television station may use a SPG-812 primary module, backup module, and changeover module, all installed in either chassis.

In addition, the 818 OP/SDI is designed such that AC mains failure will not erase the memory of its last generator selection. A dual-coil latching relay provides a reliable signal path even if power is lost to the 818 OP/SDI. Meanwhile, its power supply features a "universal" voltage input range of 85VAC to 260VAC. In extreme conditions, the 818 OP/SDI would be the last unit to shut down in the event of an AC mains failure.

Bi-color LEDs provide instant status indication for each signal in your system. If a particular signal is not in use, the LED can be easily de-selected (dark) rather than produce a false failure (red) indication. A "Manual/Automatic" switch allows the user to over-ride the automatic changeover function and select either generator in the system.

Exceptional Technical Support

The PCO-818-OP/SDI is backed by the Link Electronics standard 10-year warranty and 24/7 free customer support. It meets the innovative, high performance, flexibility, and reliability requirements of all Link Electronics products.

Features

- Modular Design
- Automatic Changeover Unit

- Analog and Digital Modul Options
- Reliable Signal Path

- Universal Voltage
- LED Indicators
- Manual Override Options

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Performance:

Standards, SD: SMPTE 259M, 270 Mb/s, 525/625 component
Standard, HD: 1.4835/1.485Gb/s
Connector: BNC
Signal Level: >800mV
DC Offset: 0V ±0.1V
Input Impedance: >1KΩ on the generator in service
..... 75Ω on the generator in stand-by
Amplitude Switch Points: -65dB to -12dB, nominal
Crosstalk Between Generators: >60dB @ 3.58MHz
Reaction Time: <1s

Controls:

Threshold: Selects no signal input
Mode Switch: Selects Automatic or Manual operation
Select Switches: Selects Generator A or Generator B
Signal Enable Switches: Enables/Disables detection of input signals

Environmental:

Temperature: 0° to 50° C ambient
Humidity: 10% to 90% non-condensing
Power: 1 Watt
AC Line: 85 to 260 VAC , Auto Sensing, in the Chassis

Mechanical:

Length: 10.0"
Width: 4.27"
Weight: 8 oz.

Front Panel LED Indicators:

LED: Generator "A" & "B" Status
Push-Button Switch: Generator "A", "B" Select & Auto Mode

