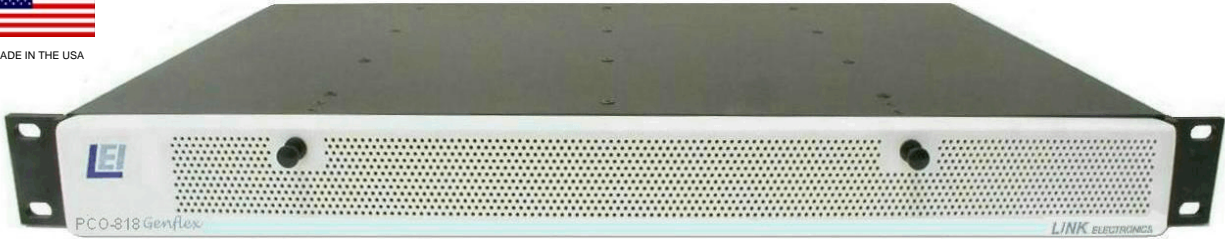




AUTOMATIC CHANGEOVER UNIT MODEL PCO-818/SA for Analog



MADE IN THE USA



FEATURES

- ◆ Automatic or Manual Operation
- ◆ Modular Design
- ◆ Monitor Only The Pulses Required

The PCO-818/SA is the change-over for an analog system. The modules included in this configuration are;

- 818-OP/BB, Analog Black burst
- 818-OP/SC, Analog Subcarrier
- 818-OP/PL, Analog Sync

As your system grows and new technology arrives, the PCO-818 stands ready to grow with you. The PCO-818 is engineered to provide complete sync-system reliability in a compact, easy to use, and economical package. It's advanced modular design provides a level of flexibility never before available in an Automatic Changeover unit. When combined with it's sync generator companion, the SPG-812, the PCO-818 can offer the best performance and reliability available today.

The basic function of the PCO-818 is to monitor an installation's primary sync generator and automatically switch to a backup generator in the event of a failure to the primary. 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.

FEATURES

- ◆ Matched To The Pulse
- ◆ 85VAC to 260VAC
- ◆ Bi-Color LED's For Status

Each module is matched to it's signal: this allows us to accurately monitor pulses of various amplitudes and widths.

It also allows us to mix analog and digital signal monitoring in the same chassis!

Since the PCO-818 and the SPG-812 Sync Generator share a common chassis, modules may be interchanged between units. For example, an television station may use a single SPG-812 generator with a **backup blackburst generator installed in the changeover chassis!**

In addition, the PCO-818 is designed such that AC mains failure will not erase the memory of it's last generator selection. Dual-coil latching relays provide a reliable signal path even if power is lost to the PCO-818. Meanwhile, its power supply features a "universal" voltage input range of 85VAC to 260VAC. In extreme conditions, the PCO-818 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 override the automatic changeover function and select either generator in the system.

PCO-818 Modules:

Choose the module for the sync generator pulse you are required to switch in the event of a failure. The 818 series of modules operate in the SPG-812 chassis.

818 OP/PL to monitor BL, SY, HD, VD, BF, and CRS.

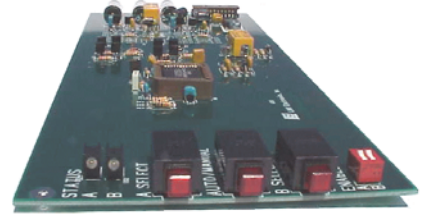
818 OP/BB to monitor analog blackburst.

818 OP/SC to monitor color subcarrier.

818 OP/CFI to monitor Color Frame ID.

818 OP/SDI to monitor the Serial Digital Interface.

818 OP/AES to monitor AES/EBU audio—coming soon!



PCO-818 SPECIFICATIONS

PERFORMANCE:

Pulse Level (OP/PL)	HD, VD, SY, BL, or BF @ 4.0Vpp
Subcarrier Level (OP/SC)	2.0Vpp
Blackburst Level (OP/BB)	0.3Vpp Sync
Color Field ID Level (OP/CFI)	4.0Vpp
Composite Reference Signal (CRS, OP/PL)	1.0Vpp
Input Impedance	>1k Ω on the generator in service 75 Ω on the generator in stand-by
Amplitude Switch Points	Between -6dB and -12dB of nominal
Crosstalk Between Generators	>60dB @ 3.58MHz
Reaction Time	<1s

CONTROLS:

Mode Switch	Selects Automatic or Manual operation
Select Switches	Selects Generator A or Generator B
Signal Enable Switches	Enables/Disables detection of input signal(s)

ENVIRONMENTAL:

Temperature	0 to 50C, Ambient
Humidity	10% to 90%, Non-condensing

POWER:

Mains	85 to 260VAC, Automatic sensing
Power consumption/module	1W

MECHANICAL:

Module	4.25" (10.8cm) x 10.0" (25.4cm)
Chassis (width x depth x height)	19" (48.3cm) x 11" (27.9cm) x 1.75" (4.4cm)



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