



# PCO-818

Change-Over Chassis  
MB & PS, Choose Options

**LINK**  
ELECTRONICS

The PCO-818 is the chassis, power supply and motherboard only. You must choose the specific modules to meet your requirements. The modules are listed on the rear of this data sheet. This allows you to choose the module for your needs, and not accept functions you do not need.

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. 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. 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!

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.

## Exceptional Technical Support

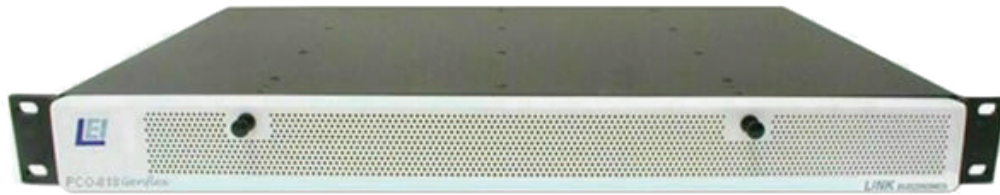
The PCO-818 is backed by the Link Electronics standard 10-year warranty and 24/7 free customer support. It meets the innovative, high performance, flexibility, and reliability requirements of all Link Electronics products.

## Features

- Automatic or Manual Operation
- Modular Design

- Monitor Only The Pulses Required
- Matched To The Pulse

- 85VAC to 260VAC
- Bi-Color LED's For Status



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## PCO-818 Modules:

- 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

## 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 $\Omega$  on the generator in service  
..... 75 $\Omega$  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)



The manufacture reserves the right to change specifications without notice

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