PTP LEGACY INTERFACE (PLXe-5V) for SER-32e



⚠ DANGER ⚠

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Only qualified workers should install this equipment. Such work should be performed only after reading this entire set of instructions.
- NEVER work alone.
- Before performing visual inspections, tests, or maintenance on this equipment, disconnect all sources of electric power. Assume that all circuits are live until they have been completely de-energized, tested, and tagged. Pay particular attention to the design of the power system. Consider all sources of power, including the possibility of backfeeding.
- Apply appropriate personal protective equipment (PPE) and follow safe electrical practices. For example, in the USA, see NFPA 70E.
- Turn off all power supplying the equipment in which the device is to be installed before installing and wiring the device.
- Always use a properly rated voltage sensing device to confirm that power is off.
- Beware of potential hazards, wear personal protective equipment, and carefully inspect the work area for tools and objects that may have been left inside the equipment.
- The successful operation of this equipment depends upon proper handling, installation, and operation. Neglecting fundamental installation requirements may lead to personal injury as well as damage to electrical equipment or other property.

Failure to follow these instructions can result in serious injury or death.

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INTRODUCTION

Note: The output protocol (IRIG-B, DCF77 or 1per10) depends on the time-sync output setting configured for the Trystar SER-32e Event Recorder.

The Trystar Precision Timing Protocol (PTP) Legacy Interface (PLXe-5V) is a wiring adapter for the Trystar Sequence of Events Recorder to output a legacy time protocol to other devices. The adapter fits the "Options" port (DB15 connector) of the SER-32e and facilitates wiring of 5V signals via a screw-type terminal, suitable for power equipment wiring.

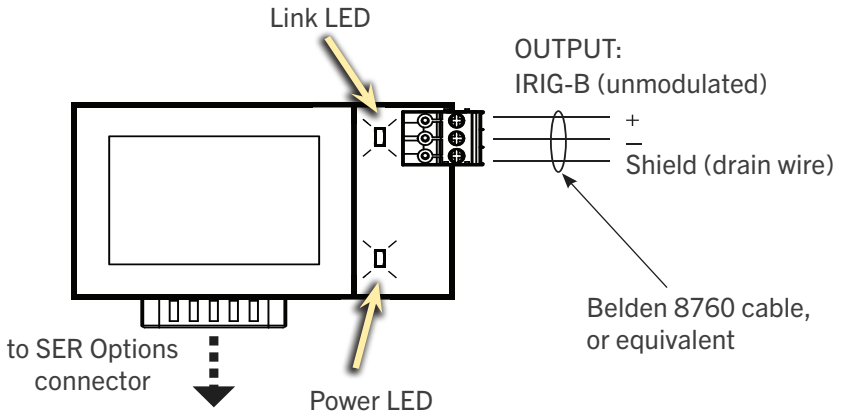
The PLXe-5V includes diagnostics LEDs to aid system commissioning and troubleshooting. A link indicator LED flashes (flickers) according to the frequency of the time protocol output (IRIG-B: 100 Hz, DCF77: 1PPS, 1per10: one pulse per 10 seconds). A second LED indicates the presence of control power input from the SER.

WIRING

Wiring for the PLXe-5V

The PLXe-5V is provided with control power from the SER-32e and is not compatible with other Trystar Sequence of Event Recorders (SER-3200 or SER-2408).

PLXe-5V



SPECIFICATIONS

Technical Specifications	
Diagnostics LEDs	Link - Flashing for IRIG-B, DCF77 or 1per10 output Power - Indicates control power
Output drive	5V, 10-ohm, +/- 75 mA drive
Isolation	1000 Vdc min.
Environmental	Operating temperature: -20°C to + 70°C ambient Storage temperature: -40°C to + 85°C Humidity: 5-95% (non-condensing) at 40°C
Mounting	Connects to SER Options Connector (DB-15)
Dimensions (W x H x D)	2.92 x 1.72 x 0.84 in. (74 x 44 x 21 mm)
Weight	1.0 oz. (28 g)

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