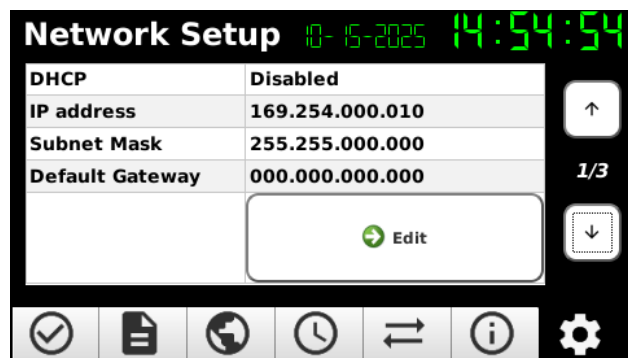


Initial Configuration – Device Display

The SER-32e features a 4.3" color touchscreen display that supports initial configuration of Ethernet communication parameters. To configure Ethernet or confirm settings, select Setup (⚙️).



Select the EDIT button and step through the configuration wizard to configure Ethernet communications.

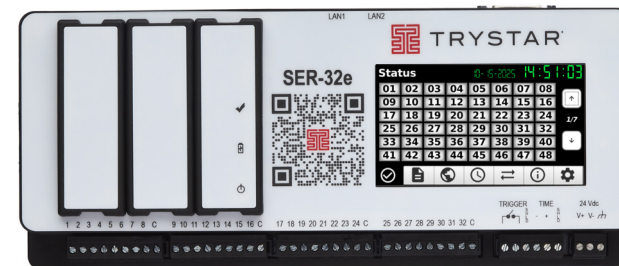
Configuration – Web Interface

Configure the SER-32e by using the device's secure web server connected to a PC.

- 1) Connect to your PC using an Ethernet cable.
- 2) Set the PC to use the static IP address 169.254.0.11 (LAN 1 or LAN 2)
- 3) Apply power to the SER.
- 4) Open a web browser such as, Microsoft Edge™ or Google Chrome™.
- 5) Type the SER's default IP address into your web browser. (169.254.0.10)
User name: admin
Password: admin
- 6) Select Setup to configure device Communications, Time, Inputs, Groups and Administration.

SER-32e

Quick Start Guide



The SER-32e sequence of events recorder provides precise time-stamped event reporting for 32 input channels to enable root-cause analysis and advanced system diagnostics.

Key features include:

- Configurable event recording
- Event log
- EPSS data log groups
- Operations counters
- Time sync inputs (PTP, NTP, IRIG-B, DCF77)
- Time sync outputs (PTP, IRIG-B, DCF77, 1 per 10)
- Trigger output
- Ethernet communications: ModbusTCP, Secure ModbusTCP, RESTful API, & SNMP
- Secure web server

Package Contents:

- SER-32e sequence of events recorder
- Plug-in connectors
- Quick Start Guide

For More Information on Sequence of Events Recorders, Visit: TRYSTAR.com



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SER-32e Quick Start Guide

Read this entire set of instructions before beginning work.



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 back feeding.

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.

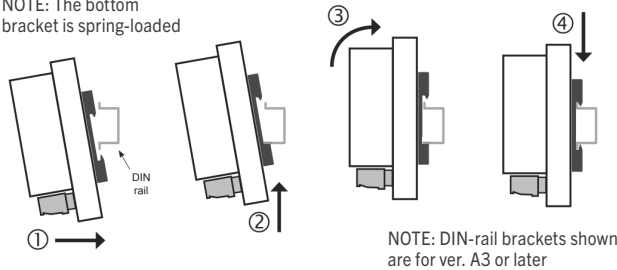
The successful operation of this equipment depends upon proper handling, installation, and operation. Neglecting fundamental installation requirements may lead to personal injury as well as damage to electrical equipment or other property.

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

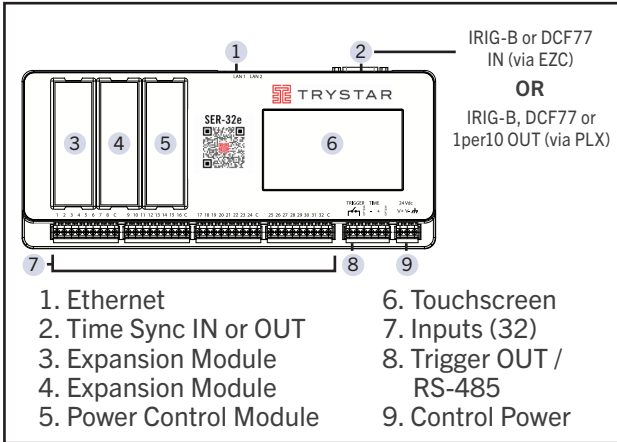
Installation

The SER-32e is mounted to a standard DIN rail by engaging the bottom edge of the rail first, pressing up and rotating the unit into place.

NOTE: The bottom bracket is spring-loaded

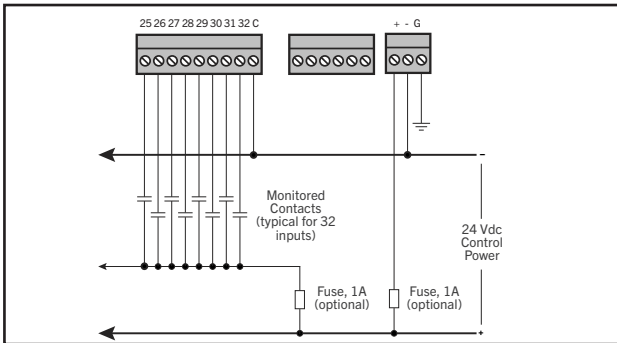


Wiring



Inputs

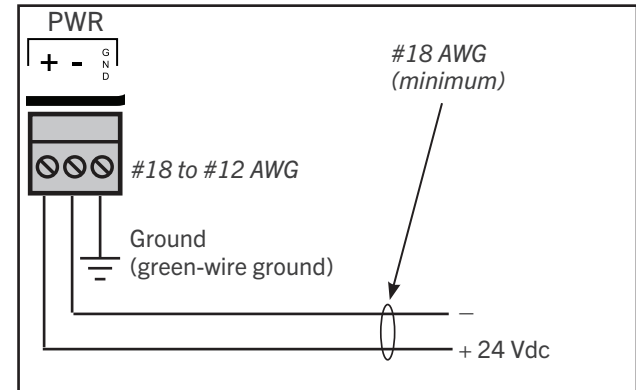
The SER has 32 isolated digital inputs arranged in 4 groups of 8 inputs, each sharing a common return. A 24 VDC wetting source is required.



NOTE: 18 AWG (Belden 8760) shielded twisted pair cable is recommended for all input and output connections.

Control Power

The SER requires a nominal 24 VDC, 7 VA control power source.



NOTE: The common connection from the 24Vdc power supply should **not** be connected to green-wire ground unless specified by local electrical codes.

Time Sync IN (IRIG-B or DCF77)

The SER-32e can be configured to receive legacy time protocols (IRIG-B or DCF77) using option wiring accessories (EZC-IRIG-B or EZC-DCF77). For additional information, see the SER-32e Instruction Bulletin and EZC instruction bulletin.

Time Sync OUT (IRIG-B, DCF77 or 1 per 10)

When the time source is PTP or NTP, the SER can be configured to output legacy time protocols (IRIG-B, DCF77, 1 per 10) using optional wiring accessories (PLXe-5V, PLX-5V, or PLX-24V). For additional information, see the SER-32e Instruction Bulletin and the PLX Instruction Bulletin.

Trigger Output

The Trigger output can be used to initiate action in other devices such as a waveform capture, annunciation or control.

