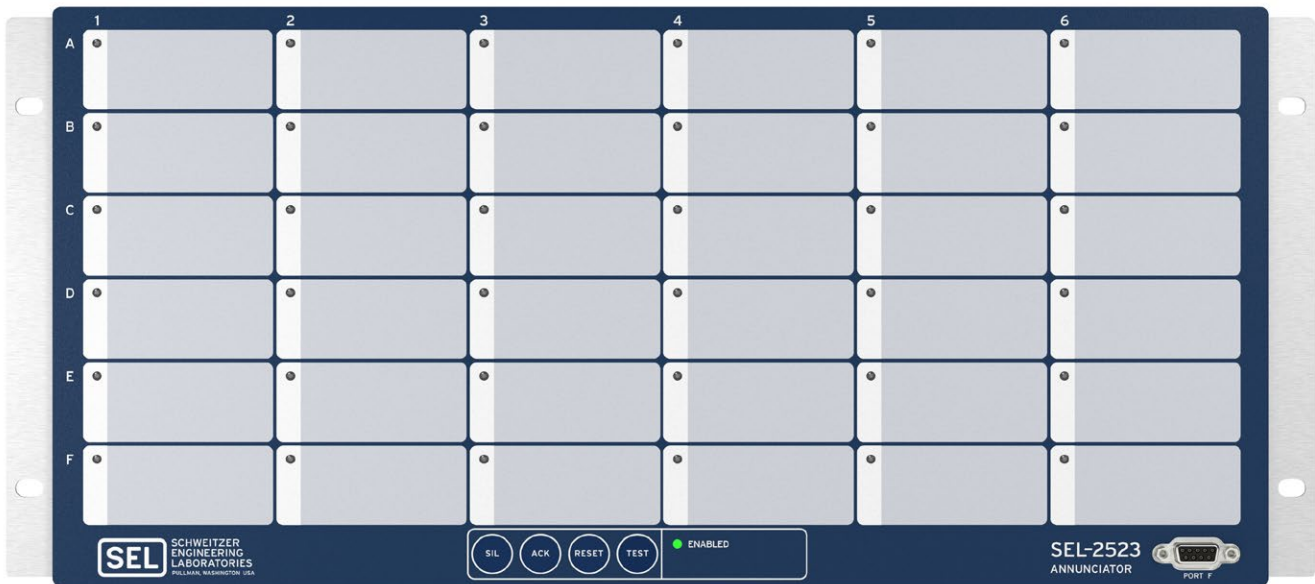


# SEL-2523

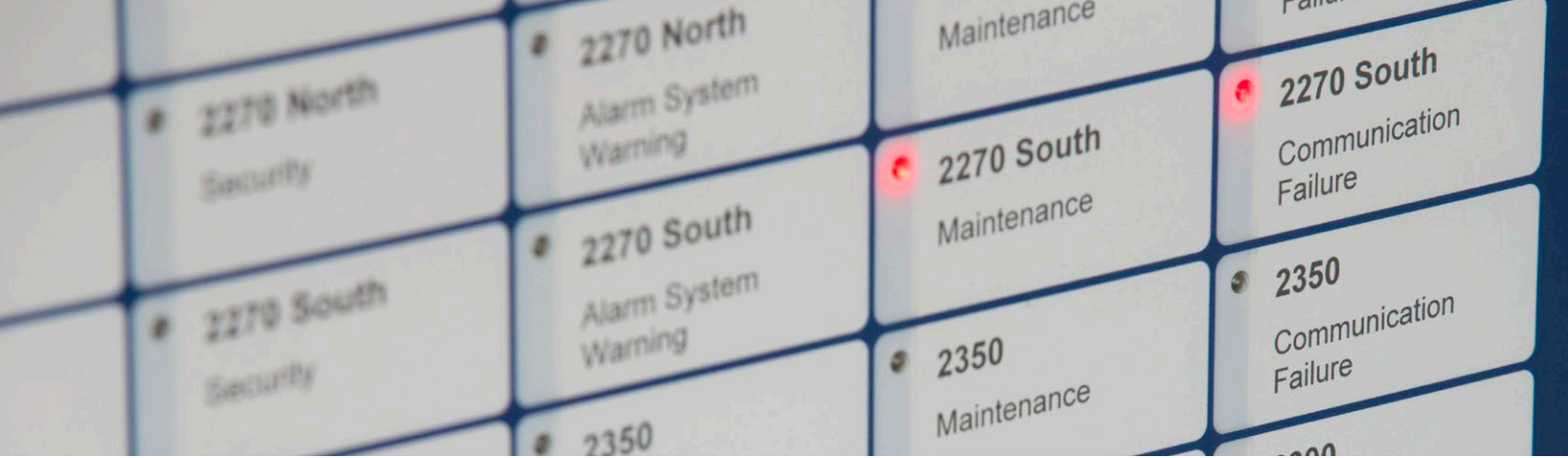
## Annunciator Panel



## Complex alarming made simple

- Superbright LEDs provide easily visible alarm indication in any lighting condition.
- Sequential Events Recorder (SER) data help identify the root cause of system problems.
- Simple wiring and configuration facilitate easy system installation.
- Reliable operation in the presence of extreme temperatures and environmental conditions maximizes alarm uptime.





# Features

## Local Annunciation

Select from eight ISA-18.1 standard acknowledge sequences. The superbright LEDs make it easy to see alarm indication in any lighting condition.

## Communications

Use up to four high-speed serial ports to communicate via DNP3, Modbus®, or SEL protocols. The SEL-2523 Annunciator Panel supports multiple sessions for all protocols.

## Time-Tagged Event Recording

Time-tag alarm events to the nearest millisecond. The SEL-2523 can report time-tagged messages with DNP3 or SEL Fast SER protocols.

## Easy Installation

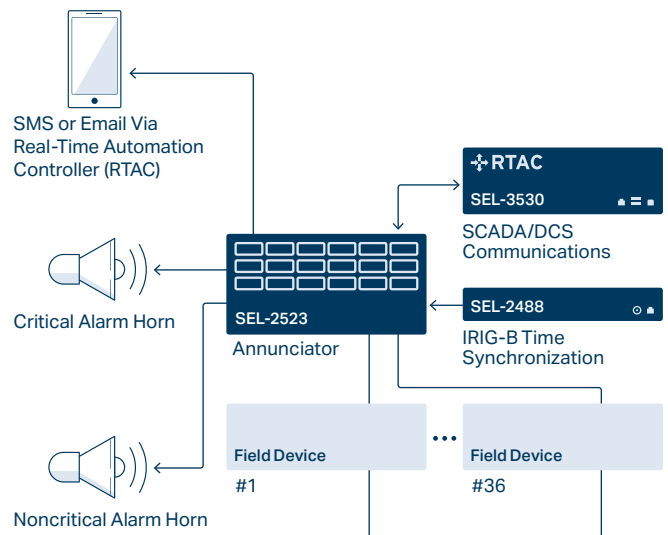
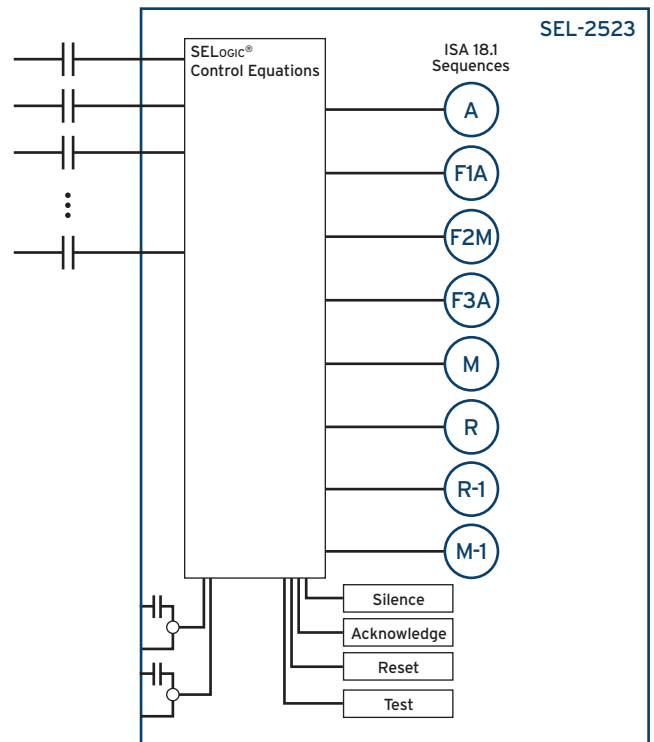
Save time with simple wiring and configuration. You can print slide-in labels on any printer to easily update or modify the alarm labels.

## Logic Processing

Create custom alarm conditions using programmable logic to combine inputs and communications data without costly wiring.

## Reliability

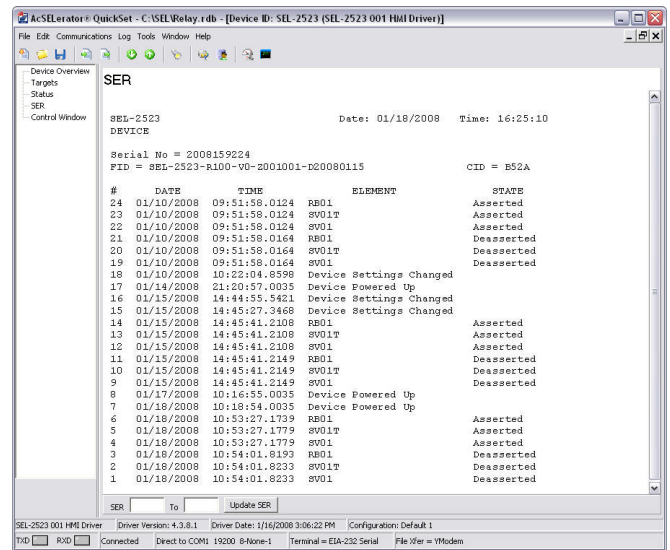
Meet the demands of your harshest environments. The SEL-2523 exceeds stringent vibration, electrostatic discharge, electromagnetic interference, and temperature requirements.



# Event Alarming, Recording, and Analysis

Speed up repairs and troubleshooting to reduce costs and get units and processes back online. Accurate records of operations and events help you identify the root cause of system problems. Use the SEL-2523 to:

- Improve operation analysis with time-stamped records of the last 1,024 operations of 96 different internal and external events.
- Use the built-in SER to verify process sequencing, routine and emergency operations, and alarm timing.
- Receive automatic alarm messages via SEL Fast SER that are triggered by selectable events.
- Rename SER elements with custom aliases that match your system terminology and practices.

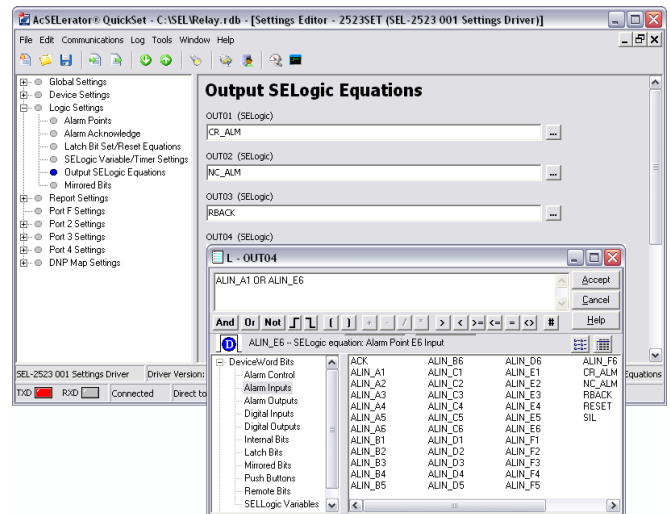


Log important, user-defined system activities using the SER.

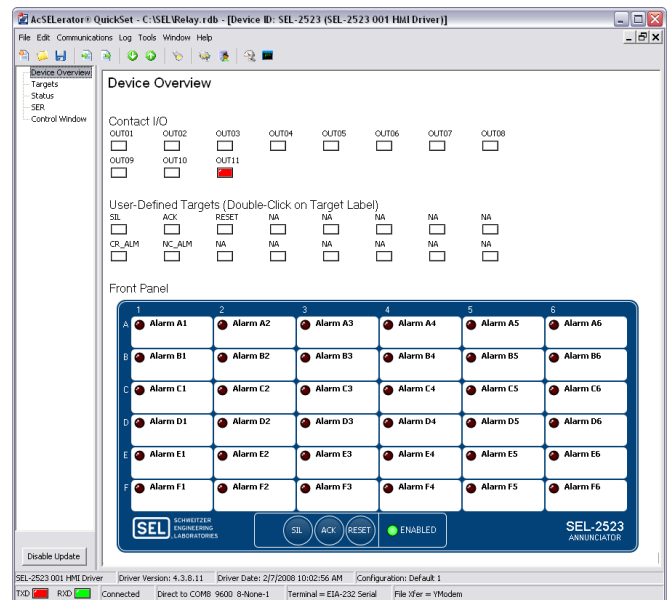
# ACSELERATOR QuickSet<sup>®</sup> SEL-5030 Software for Settings, Monitoring, and Control

QuickSet is a no-charge software package included with each SEL-2523 (or available at [selinc.com/SEL-5030](http://selinc.com/SEL-5030)). This software offers a settings interface, event analysis tool, and remote user interface that help you:

- Save engineering time while keeping flexibility. You can communicate with the SEL-2523 through any ASCII terminal or use the graphical user interface.
- Develop settings offline with a menu-driven interface and completely documented help screens. You can speed up installation by copying existing settings files and modifying application-specific items.
- Simplify the setting procedure with the rules-based architecture to automatically check interrelated settings. The software highlights out-of-range or conflicting settings for correction.
- Quickly test and commission annunciator panels with live device status information on a software HMI screen, which you can customize for your application with changeable alarm labels and elements.
- Remotely acknowledge and reset alarms via the HMI screen.



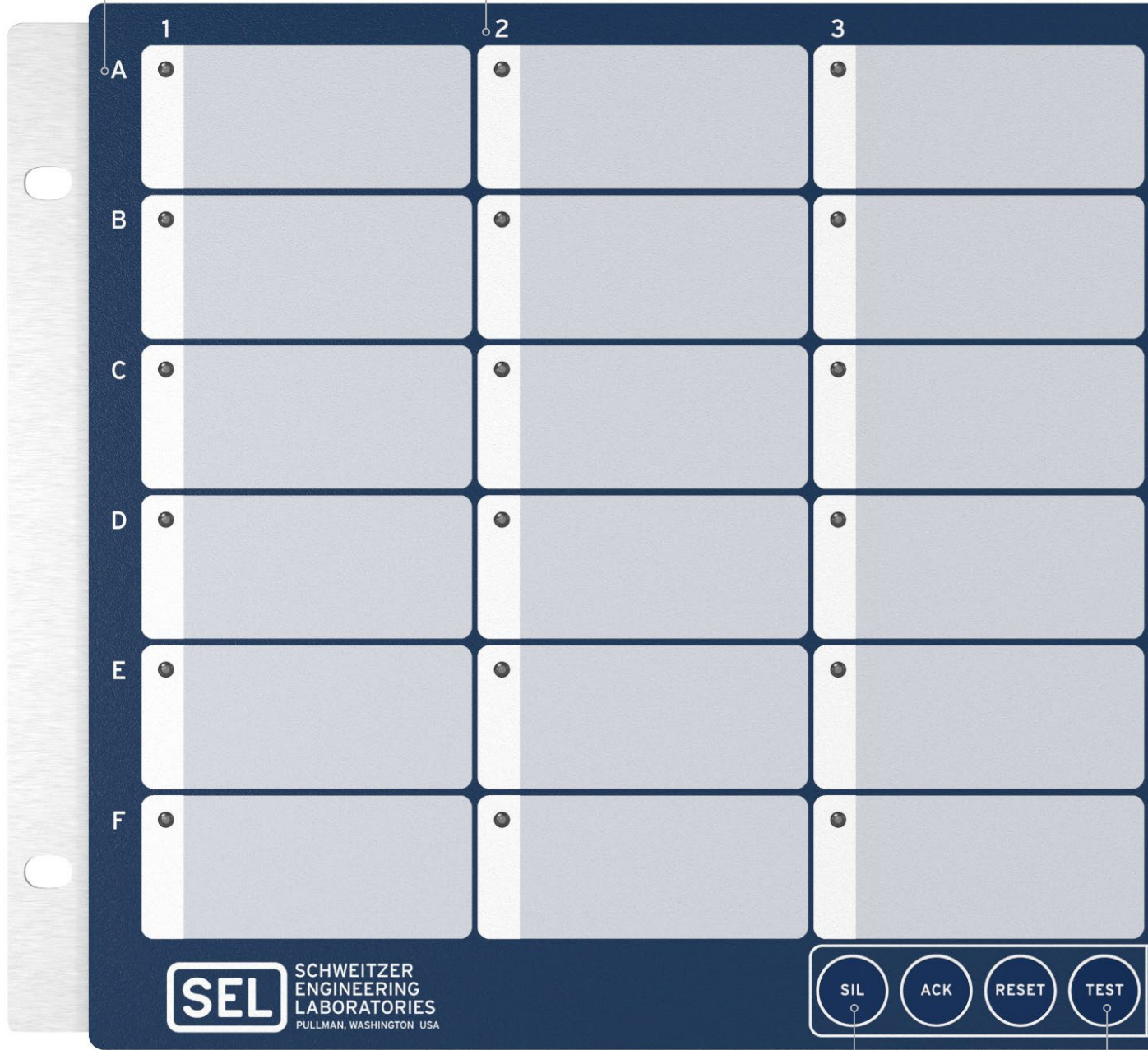
Simple ACSELERATOR QuickSet setting screens ease device configuration.



The configurable HMI screen aids commissioning, testing, and maintenance with live data from devices.

# Product Overview

Individually labeled columns and rows for easy identification



Silence, acknowledge, reset, and test pushbuttons

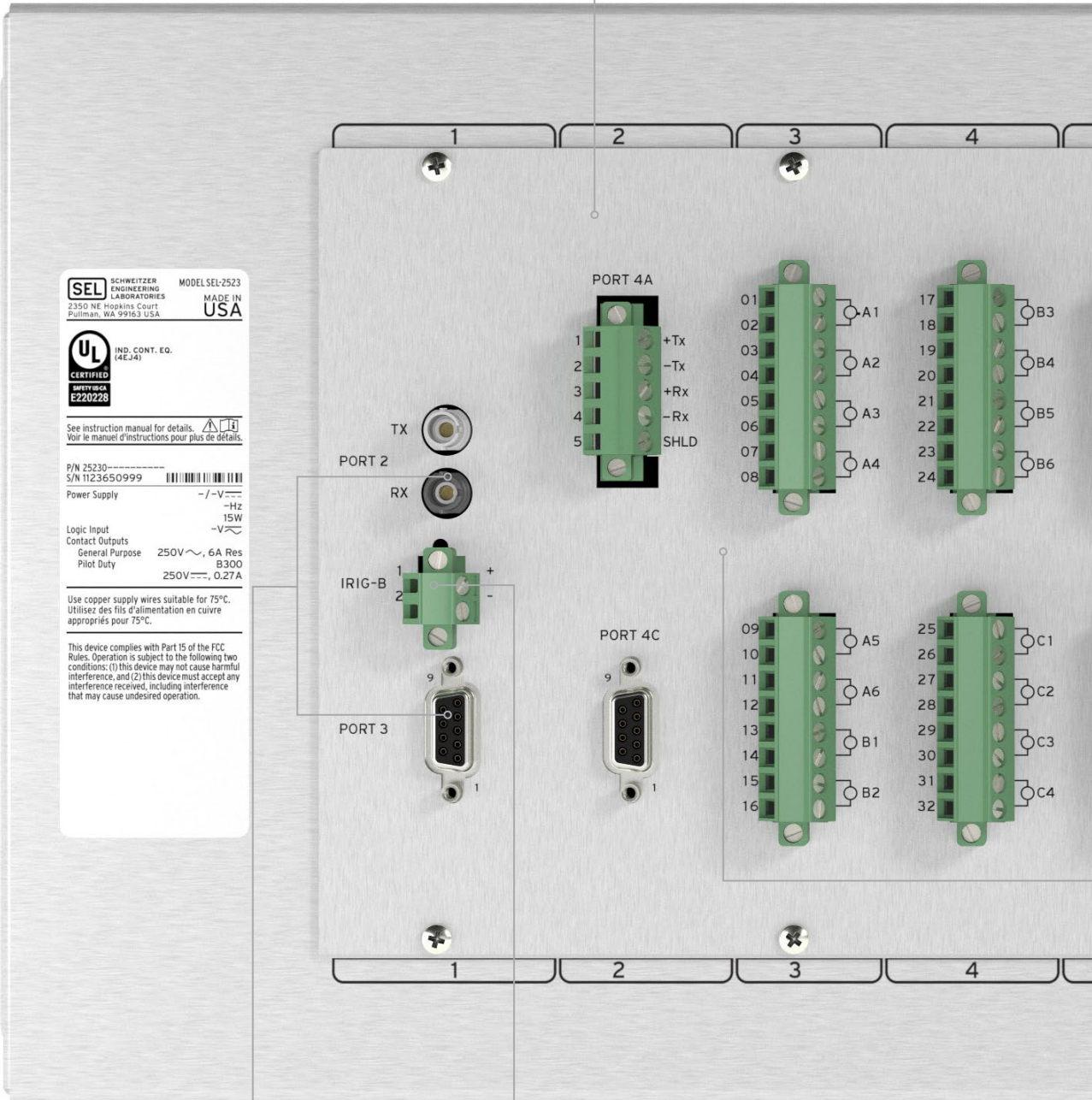
Field-configurable alarm window labels

Superbright LEDs



Front EIA-232 port for easy access to settings and status

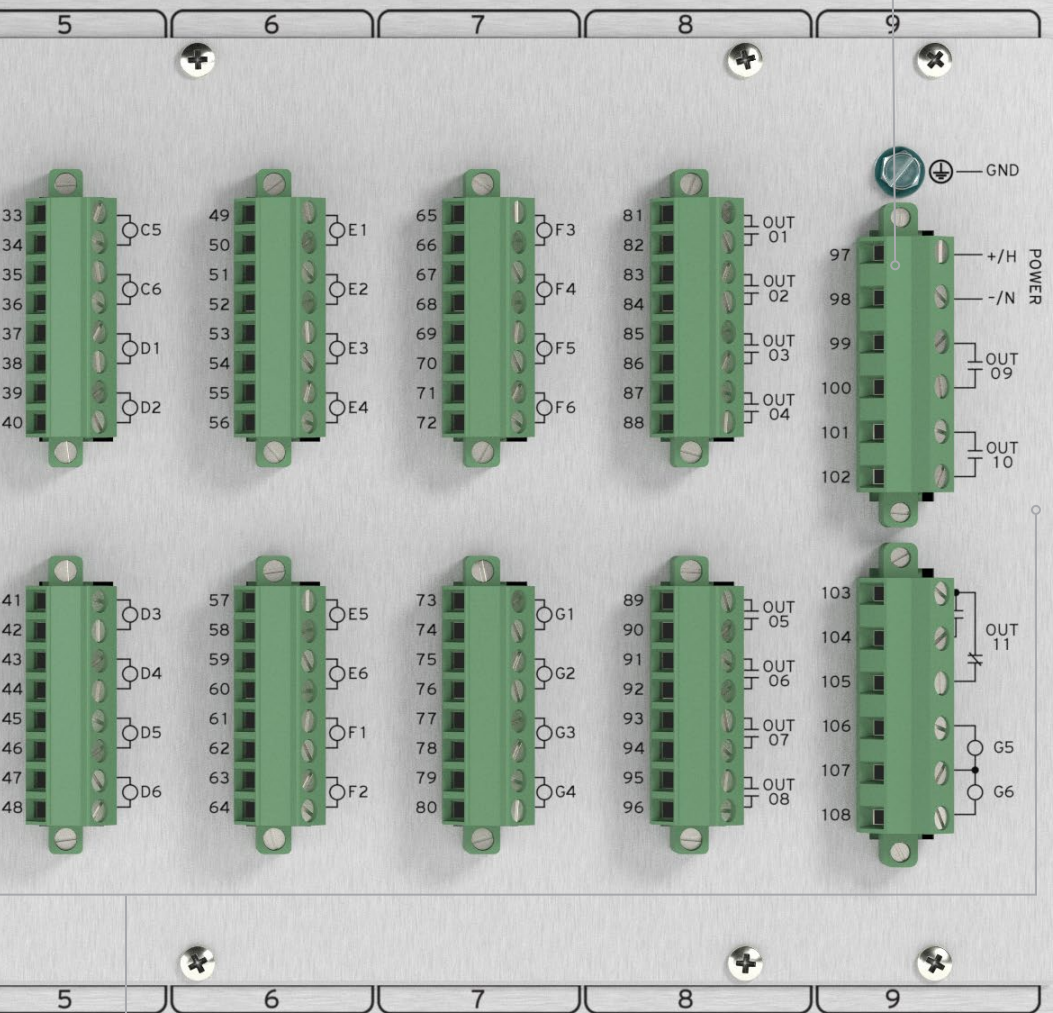
Optional communications card with EIA-232 or EIA-485 port



Standard IRIG-B input to time-synchronize alarm inputs to 1 ms

One standard EIA-232 port and one optional fiber-optic serial port for use with protocols such as SEL Fast Messaging, Modbus, and DNP3

Internal hardened power supply for 24–48 Vdc,  
110–250 Vdc, or 110–240 Vac supply voltages



Standard 42 inputs and 11 contact outputs

# SEL-2523 Specifications

## General

|                                    |  |
|------------------------------------|--|
| <b>Front-Panel Pushbuttons</b>     | Silence, acknowledge, reset, and test pushbuttons with logic following standard ISA-18.1-1979 (R1992) sequences: A, F1A, F2M-1, F3A, M, M-1, R, and R-1  |
| <b>Contact-Sensing Inputs</b>      | 42 optically isolated status inputs<br>Input range options: 24, 48, 110, 125, 220, and 250 Vdc   |
| <b>Contact Outputs</b>             | 12 contacts, 6 A continuous carry  |
| <b>Serial Communications Ports</b> | One front and one rear EIA-232 ports<br>Optional multimode fiber-optic serial port<br>Optional rear EIA-232/EIA-485 port<br>Connectors: 9-pin female<br>Data rate: 300 to 38,400 bps<br>Protocols: SEL Fast Meter, SEL Fast SER, SEL Fast Operate, SEL MIRRORRED BITS <sup>®</sup> communications, ASCII, and Modbus RTU<br>Optional protocol: DNP3 Level 2 Outstation |
| <b>Environment</b>                 | −40° to +85°C (−40° to +185°F) operating temperature<br>IEEE C37.90-compliant<br>IEC 60255-compliant   |
| <b>Alarm Windows</b>               | 36 display windows with slide-in labels<br>Window dimensions: 32 mm H × 70 mm W (1.25 in × 2.75 in)  |
| <b>Power Supply Options</b>        | 24/48 Vdc<br>Range: 19.2–52.8 Vdc<br>110–250 Vdc, 110–240 Vac<br>Range: 85–264 Vac, 85–275 Vdc   |
| <b>Label Generation</b>            | Print slide-in labels on any printer using the included software template.   |
| <b>Dimensions</b>                  | Rack: 222 mm H × 483 mm W × 160 mm D (8.72 in × 19 in × 6.29 in)<br>Panel: 258 mm H × 503 mm W × 160 mm D (10.15 in × 19.8 in × 6.29 in)   |

## SCHWEITZER ENGINEERING LABORATORIES

Making Electric Power Safer, More Reliable, and More Economical  
+1.509.332.1890 | info@selinc.com | selinc.com

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