

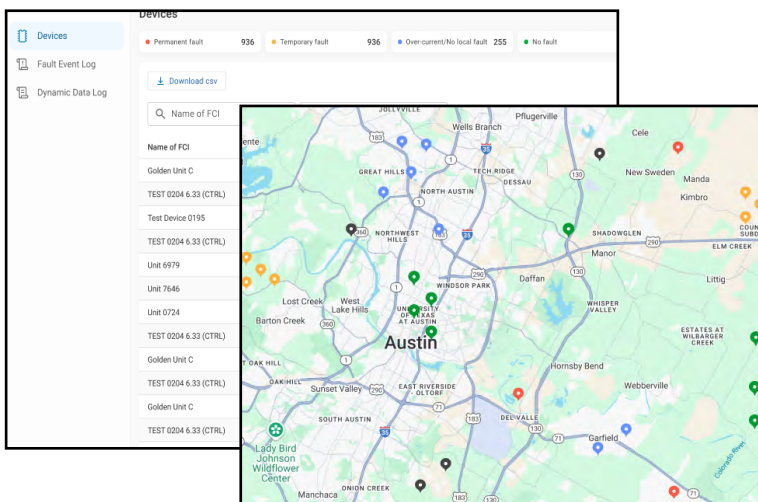
# Patrolman Plus

## FI-5A-W Communicating Overhead FCI

The Patrolman Plus is designed for easy and efficient operation in power distribution networks, utilizing cellular networks to instantly transmit fault location and data back to the utility. These units are clamp-and-play, featuring built-in LTE connectivity and location through GPS, allowing for immediate use upon installation without additional equipment.

The Patrolman Plus provides flexibility in data management and integration. Users can monitor system status through a user-friendly online portal, customize alerts, and choose notification recipients. Alternatively, SGS offers options to connect to existing software systems like OMS, GIS, or SCADA using industry-standard protocols. The device is also remotely configurable through the SGS Portal, enabling utilities to modify select settings based on application requirements.

The device also features line harvesting capabilities and replaceable batteries, significantly extending its field life while requiring minimal maintenance.



### Reporting Data

- Permanent & temporary faults
- Battery status
- Regular average & peak load values
- Connectivity & signal strength
- Routine check-ins to confirm status
- GPS location

### Connectivity

- Supports major network providers and private LTE
- 5 years of data included (optional)
- Secure connectivity through encryption and verified access

# SPECIFICATIONS



|                                |                                                                                                                                                                                                                                             |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Means of Wireless Connectivity | Cat-M1 cellular through major providers and private LTE                                                                                                                                                                                     |
| Integration                    | Supports OMS/GIS/SCADA integration through common protocols                                                                                                                                                                                 |
| Trip Current Range             | Auto-adjusting trip level with real time load tracking                                                                                                                                                                                      |
| Voltage Range                  | Suitable for all voltages up to 35 kV                                                                                                                                                                                                       |
| Power Source                   | 10.9 Ah lithium cells, replaceable<br>*harvests power from the line when load is >20 A                                                                                                                                                      |
| Manufacturer's Warranty        | 5 years from date of purchase                                                                                                                                                                                                               |
| Installation Diameter Range    | 0.3 in to 1.7 in (8 mm to 42 mm)<br>*bare or covered conductors                                                                                                                                                                             |
| Indication                     | <ul style="list-style-type: none"> <li>Cellular through major providers and private LTE</li> <li>High-intensity LEDs</li> </ul>                                                                                                             |
| LED Flashing Options           | <ul style="list-style-type: none"> <li>Option 1: fault - red flashing; low battery - yellow flashing</li> <li>Option 2: permanent fault - red flashing; temporary fault - yellow and red flashing; low battery - yellow flashing</li> </ul> |
| Accuracy                       | +/-5%                                                                                                                                                                                                                                       |
| Auto Reset Time                | <ul style="list-style-type: none"> <li>Customer specified (standard settings of 4 hr, 8 hr, or 24 hr)</li> <li>Separate reset times available for permanent and temporary faults</li> </ul>                                                 |
| Casing Materials               | UV stable polycarbonate and potting compound                                                                                                                                                                                                |
| Current Transformer            | Split-core corrosion resistant stainless steel                                                                                                                                                                                              |
| Temperature Range              | -50°C to +85°C                                                                                                                                                                                                                              |
| Weight                         | 22 oz (620 g)                                                                                                                                                                                                                               |

| Part Number Selection |          |               |          |                   |
|-----------------------|----------|---------------|----------|-------------------|
| Device                | Provider |               | LED Type |                   |
| FI-5A-W               | -1       | Vodafone      | -        | Ultra bright LEDs |
|                       | -2       | Verizon       | N        | Low profile LEDs  |
|                       | -3       | AT&T          |          |                   |
|                       | -        | No preference |          |                   |

Additional configurations available. Contact your SGS sales representative or SGS directly to learn more.