

Active load protection for single phase circuits

Absolute Maximum Rating

- 1200 Volts AC
- 180A pulse (surge) AC
- 30A RMS AC
- 1000 Volts DC
- 30 Amps DC



eLanspur™ seamlessly integrates the intelligence required for advanced building, energy and environment management systems by simply replacing fused spurs.

With fully pre-certified energy metrology for billing and active energy standards, along with lab quality current measurements.

Analog Measurement

For Circuit Protection and Predictive Maintenance.

- **Analog True RMS Current**
- **Analog Peak Current**

Energy Metrology

Active energy standards: IEC62053-21/22-23/24; EM50470-3

- **True RMS Current** I_{rms}
- **Peak Current** I_{peak}
- **True RMS Voltage** V_{rms}
- **Peak Voltage** V_{peak}
- **Active Power** WATT, Wh, VAh
- **Reactive Power** VAR, VA, VARh
- **Power Factor**
- **Auto calibration**

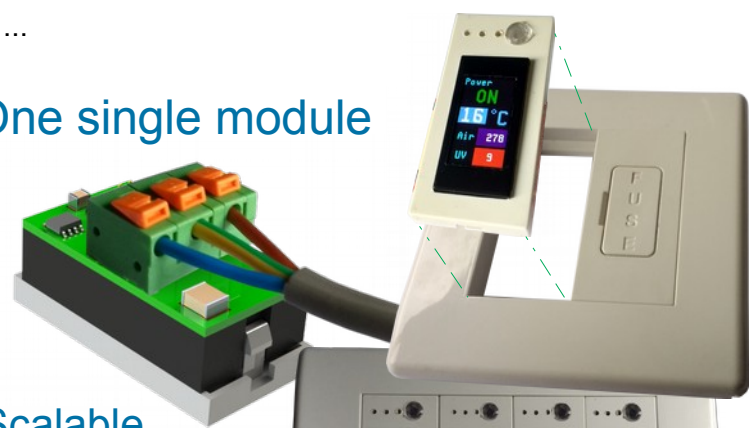
Environment Monitoring

- **Indoor Air Quality**
IAQ Index 0 to 500
- **Breath VOC (b-VOC)**
Carbon Monoxide, Ethane, Isoprene / 2-methyl-1,3 Butadiene, Ethanol, Acetone.
- **Equivalent CO² (eCO²)**
400ppm to 32,768ppm
- **eTVOC** ▪ **Humidity**
0ppb to 32,768ppb 10-90% r.H. ± 3%
- **Temperature** ▪ **Pressure**
0 to 65°C ± 1% 300 to 1100 hPa
- **Light Level Detection**
Ambient, UVA, UVB and UV Index
- **RF Level Detection**
*2.4Ghz Radio level detection (other options available)

Delivering:

- ✓ Building management systems
- ✓ Environmental monitoring
- ✓ Storage condition monitoring
- ✓ Asset management systems
- ✓ Renewable plant supervision
- ✓ ...
- ✓ 'Smart' energy metering
- ✓ Demand side response
- ✓ Predictive maintenance
- ✓ Workplace optimisation
- ✓ Preventative maintenance

One single module



Scalable solutions



standalone



Flexible interactivity

Sensor to server data encryption



Contactless (NFC)

Local and Enterprise wide networks

- **Opti-point™ control**
Optimal, safe and efficient switch on every time.
- **Remote switching**
- **Autonomous fault response**
(Hardware controlled and configurable on order)



Contact:

elansys-info@elansys.co