

Volt Signal Conditioner

For measuring mains voltage

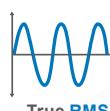


0-600V AC/DC Auto-Detect

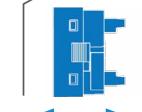
1%
Accuracy



User-configurable settings via the [free, easy-to-use software](#)



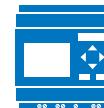
True RMS



Less than 62mm deep



Remote monitoring with [APM Gateway](#) and [Trumeter Cloud](#)



2 Outputs
Digital (open collector) or Analog (4-20mA)



DIN Rail Mount
Compact design for simple installation



10 alarm set points

The Volt Signal Conditioner measures mains voltage up to 600 V DC or AC, automatically detecting the input type for seamless operation. With 1% accuracy, it provides reliable voltage monitoring for industrial power systems, energy management, renewable energy setups, laboratory testing, and automation or safety applications, simplifying integration and ensuring consistent, accurate measurements across diverse environments.

Designed for DIN rail mounting, the unit combines precision with versatility, with user-configurable scaling and settings, making it suitable for a wide range of industrial environments. It integrates seamlessly with other control and monitoring systems through configurable digital and analog outputs.

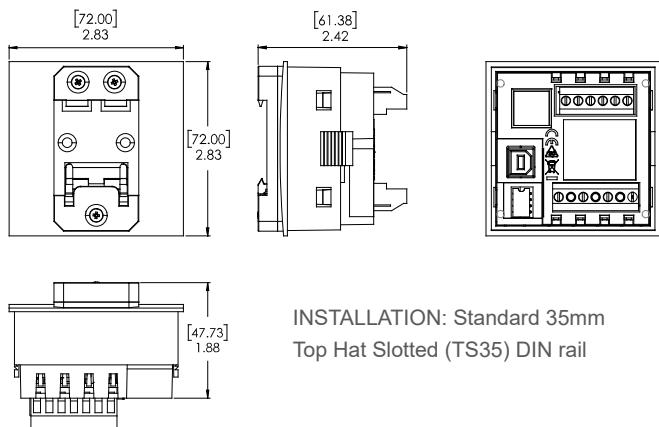
For extended functionality, the Volt Signal Conditioner can be paired with the APM Gateway to connect directly to Trumeter Cloud. This secure connection enables remote monitoring, data logging, and alerts via email or online dashboard, with SMS alerts available as an option. Unlocking full visibility and actionable insights into system performance anytime, anywhere.

Programmable

Simply connect to any USB port on your PC, launch the free configurator software, and start configuring.

- Scale (offset, gain and linear) and Range (min and max).
- 20 point non-linearization scaling for non-linear sensors.
- Ten independent alarm set-points.
- Configurable digital output delays (control the time output stays open/closed - .5 seconds – 120 seconds).

Dimensions



INSTALLATION: Standard 35mm
Top Hat Slotted (TS35) DIN rail

Specification

INPUT

Input (AC/DC)	0 - 600V
Accuracy	1%

ENVIRONMENTAL

Temperature - operating	-10 to +60°C
Temperature - storage	-40 to +70°C
IP rating	IP20

POWER SUPPLY

Nominal Input	12-24VAC or DC
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OUTPUTS

Max voltage	34V
Max current	500mA
Analogue output	4-20mA

CERTIFICATION

UL, cUL, CE



Part Numbers

SC-VOLT-DIN	Voltage Signal Conditioner, DIN Rail Mount
022128-01	USB Cable

We can **customize** our Signal Conditioners to match your requirements, adding extra **functionality** or **communication protocols** to suit your needs. If you can't find what you're looking for, **ask about our custom solutions!**



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