

# CT Signal Conditioner

DIN Rail Mount, AC Current Measurement Signal Conditioner



**High resolution 5A input** for use with current transformers

**0.5 %**  
Accuracy



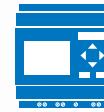
User-configurable settings via the **free, easy-to-use software**



True RMS



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

Less than **62mm** deep



**10 alarm set points**



**The CT Signal conditioner is designed to monitor AC currents from 0 up to 10,000A in conjunction with a current transformer (CT). It allows for the monitoring of high electrical currents safely and accurately, utilizing the fully scalable 4-20mA output via the APM Configurator software.**

This compact, DIN rail-mountable unit is ideal for applications where panel space is limited and where processed data is required for downstream systems rather than local display. The unit provides user-configurability, enhanced functionality, precise scaling and configurable outputs for seamless integration with PLCs, SCADA, and other automation platforms.

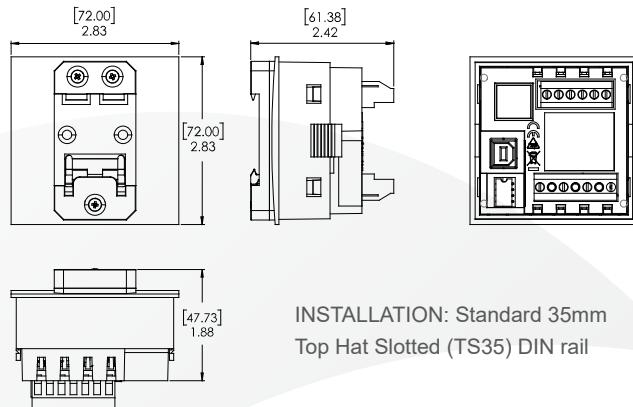
For extended functionality, the CT Signal Conditioner can be paired with the APM Gateway to connect directly to Trumeter Cloud. This enables secure remote monitoring, automated data logging, and access to a powerful online dashboard, giving engineers full visibility of system performance anytime, anywhere.

## 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

Range (CT Output Current)	0 - 5A
Range (via External CT)	0 - 10,000A
Accuracy	0.5%

### ENVIRONMENTAL

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

### 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-CT-DIN**  
**022128-01**

CT Signal Conditioner, DIN Rail Mount  
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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