

M1 Signal Conditioner

Selectable Volt, Current or Frequency Measurement



VOLT programmable to measure **voltage**,
AMPS **current** or **frequency**
FREQ



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

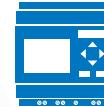


True RMS

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 M1 Signal Conditioner is a fully user-configurable signal conditioner that can be set to measure voltage, current, or frequency. Designed for DIN rail mounting, the M1 has been engineered for precision and versatility, and is suitable for a wide range of industrial applications.

The unit is designed for seamless integration with other control and monitoring equipment. It provides configurable digital and analog outputs, enabling flexible connectivity across multiple platforms. Each output is equipped with its own programmable delay, allowing precise control of output duration.

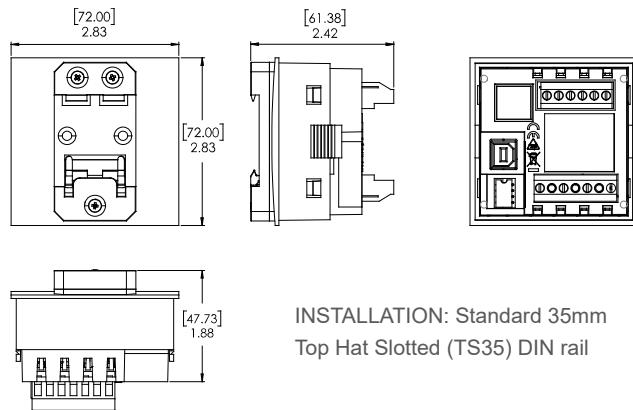
For extended functionality, the M1 Signal Conditioner can be paired with the APM Gateway to connect directly to Trumeter Cloud. This secure connection enables remote monitoring, automated data logging, and advanced online dashboards, giving engineers full visibility and analysis of system performance at any time, from any location.

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	VOLT	AMP	FREQUENCY
Input Range (DC)	0 - 600V	0 - 5A	-
Input Range (AC)	0 - 600V	0 - 5A	2 - 400Hz
Accuracy	1%	1%	0.5%
ENVIRONMENTAL			
Temperature - operating	-10 to +60°C		
Temperature - storage	-40 to +70°C		
IP rating	IP20		
POWER SUPPLY			
Nominal Input	12-24VAC or DC		
OUTPUTS			
Max voltage	34V		
Max current	500mA		
Analogue output	4-20mA		
CERTIFICATION			
	UL, cUL, CE		



Part Numbers

SC-M1-DIN	M1 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!**

