



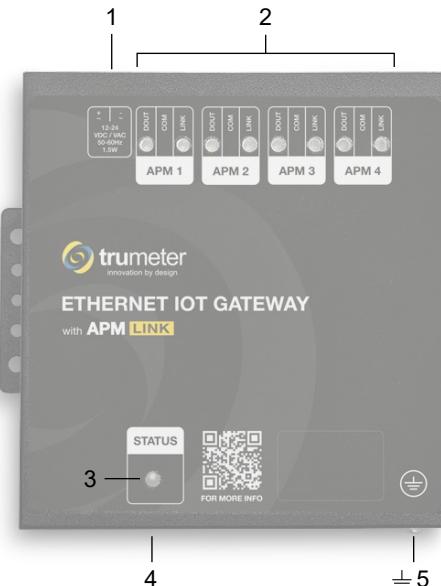
# APM GATEWAY

## Quickstart Guide

This product is compliant to UK Product Security and Telecommunications Infrastructure (PSTI) Act 2022. For further details please refer to [WWW.TRUMETER.COM/PRODUCT/APM-GATEWAY/](http://WWW.TRUMETER.COM/PRODUCT/APM-GATEWAY/)



### DEVICE DIAGRAM



1. POWER SUPPLY
2. APM CONNECTIONS x4
3. GATEWAY STATUS LED
4. RJ45 ETHERNET PORT
5. EARTHING POINT

### HARDWARE CONFIGURATION

#### i. Device Wiring

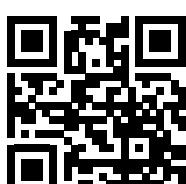
1. Connect APM(s) to the APM Gateway as per wiring diagram
2. Plug in Ethernet cable to the RJ45 ethernet port
3. Configure APMs to ensure alarms are set using the APM configurator software

#### ii. Powering Device

1. Power the APM Gateway
2. Status LED:  
**RED** – Not Connected to Cloud  
**GREEN** – Connected to Cloud
3. Confirm each APM connection Link LEDs are active depending on how many meters are connected to the APM Gateway

### CLOUD ACCESS

To access Trumeter Cloud dashboard, go to [cloud.trumeter.com](http://cloud.trumeter.com)

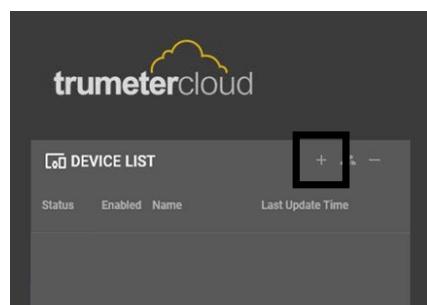


### CREATING A NEW USER ACCOUNT

1. Go to [cloud.trumeter.com](http://cloud.trumeter.com)
2. Click **Sign Up** to go to the registration screen
3. Once registered a confirmation email will be sent to the email address used for the account

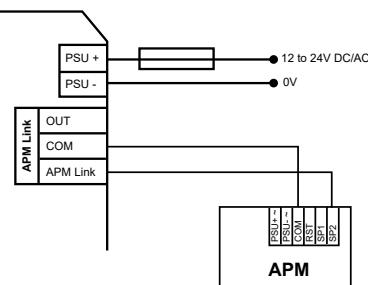
### ADDING A NEW GATEWAY

1. Login to [cloud.trumeter.com](http://cloud.trumeter.com)
2. Click the (+) to add a new device

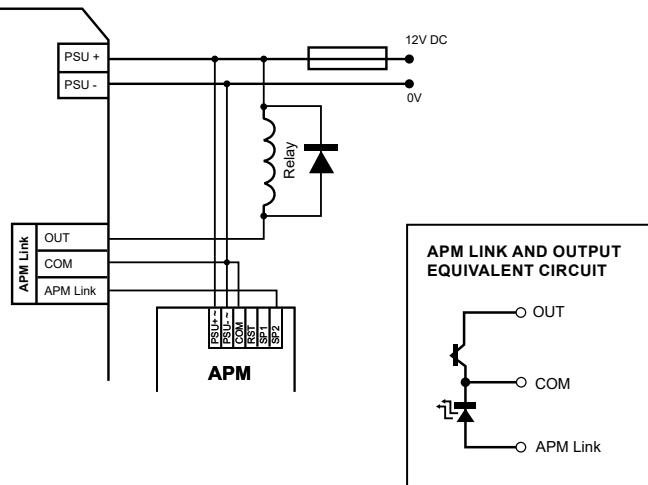


3. Add serial number and model
4. "REFRESH" the browser
5. Device will be claimed and added to the list of gateways

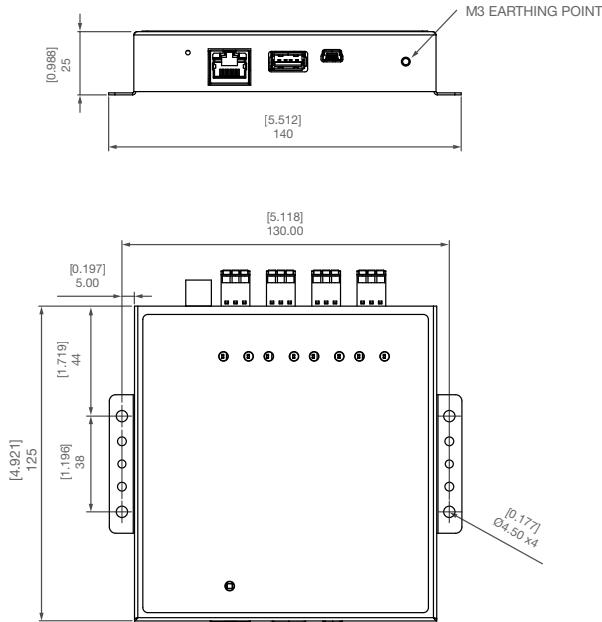
## WIRING FOR APM LINK



## CONNECTION OF A RELAY TO OPEN COLLECTOR OUTPUT – USING DC PSU



## MECHANICAL DIMENSIONS



## FURTHER INFORMATION

Use of APM Link requires APM Software version 28 or above and APM Link must be enabled on the APM using the APM Configurator application.  
DHCP server required for correct operation.

Product page: <https://www.trumeter.com/product/apm-gateway/>  
Trumeter Cloud pricing plans: <https://www.trumeter.com/solutions/cloud/plans/>  
Help: <https://www.trumeter.com/help/tech-tips/>  
APM Software Download: <https://www.trumeter.com/help/apm-software-download/>

## STATUS LEDS

**APM Link LEDs:** GREEN – link active, output on  
**APM DOut LEDs:** GREEN – SP2 connection open/active  
**GATEWAY Status LED:** GREEN – Cloud connection; RED – Cloud disconnected; BLUE – software update

## SPECIFICATION

| Power Supply:                   |  |
|---------------------------------|--|
| Input                           | 12-24 V DC/AC                                |
| Max Power                       | 1.5W   |
| Supply Frequency                | DC, 50-60Hz                                  |
| Inputs:                         |  |
| APM Link                        | 20mA current link                            |
| Outputs:                        |  |
| Open Collector (Current Sink)   | 30V Max Applied Voltage<br>500mA Max Current |
| Ethernet                        |  |
| 10/100 Ethernet RJ45; DHCP only |  |

## CONNECTIONS

|                              |  |
|------------------------------|--|
| Wire Type                    | Copper Solid or stranded                 |
| Min Cable Temperature Rating | 65°C (149°F)                             |
| Wire Strip Length            | 6mm to 7mm                               |
| Wire Gauge                   | 0.8mm <sup>2</sup> to 3.3mm <sup>2</sup> |

## ENVIRONMENT

|                       |                               |
|-----------------------|-------------------------------|
| Operating Temperature | -20°C to 60°C (-4°F to 140°F) |
| Storage Temperature   | -20°C to 70°C (-4°F to 158°F) |
| Altitude              | 2000 metres                   |
| Relative Humidity     | 1 to 85%                      |
| IP Rating             | IP20                          |



### Safety Warnings

WARNING: INSTALLATION AND MAINTENANCE MUST BE CARRIED OUT BY SUITABLY QUALIFIED AND COMPETENT PERSONNEL ONLY. Install this product in accordance with local regulations, codes and instructions. An external fuse should be fitted in-line with the PSU. Recommended fuse: 500mA/ 250V Type T with a breaking capacity of 35A or greater.

Signal cables connected to this device must not exceed 30 metres long. If signal cables are routed outside the building, install extra surge-protection devices.

12V-24V power supply, current input, USB and all outputs: Observe maximum allowable voltages. All circuits connected to these connectors must be limited-energy and insulated by double/reinforced insulation from mains voltages.

MAINTENANCE Before cleaning, inspection or maintenance, isolate all power sources to the unit. There are no user-serviceable parts inside this unit. Never open the case. Inspect all external wiring connections at regular intervals. Replace any damaged wiring and tighten any loose connections. To clean the unit, use a dry cloth to wipe the casing. Take great care connecting the supply. If you connect power to the wrong terminals, it may destroy the unit.

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