

CAPTIS POWER+ VERSION 1.2

INSTALLATION GUIDE

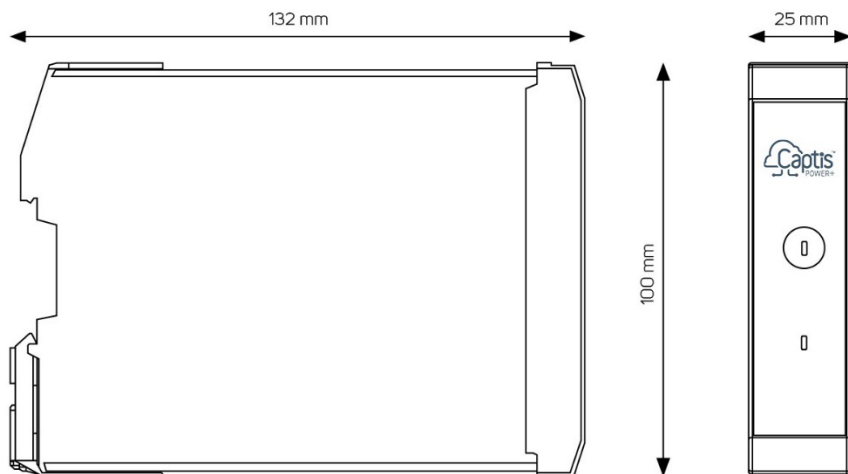


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## CAPTIS POWER+ TECHNICAL INFORMATION

2x Pulse/Digital Input	Pulse and Switch Modes: -48v to 48v Passive Suitable for Reed SW + Open Collector + Dry Contact
Maximum Pulse Frequency	1000Hz
Sensor Minimum Open Resistance	1.25M $\Omega$
Sensor Maximum Closed Resistance	60k $\Omega$
Analogue Input (2)	0-10V / 4-20mA
Serial Input (1)	RS232/RS485, modbus RTU
1-Wire Channels (2)	Temperature/Humidity Sensors
Digital Output (1)	12V 1.0A, Solid State Relay
Sensor Power Output (2)	5VDC, 100mA / 12VDC, 40mA
Physical Dimensions	100 x 25 x 132 mm (HxWxD)
Weight	< 500g
IP Rating	IP20



SIDE VIEW

FRONT VIEW

## BEFORE YOU BEGIN

Before starting this installation, you will need the following items:

- The contents of your Captis device box
- A small flat blade screwdriver
- An internet-connected device, such as a phone or tablet



What's in your Captis device box?

- Captis Power+
- Activation magnet



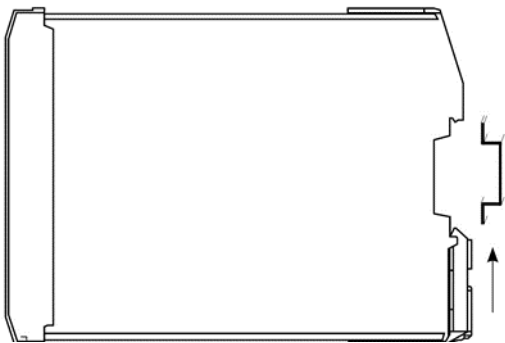
## INSTALLATION

To successfully install the Captis device you must perform the following steps:

1. Mount your Captis Power+ to a DIN rail
2. Connect the Captis Power+ to DC power supply
3. Terminate the sensor
4. Test the sensor and test connectivity

Mount your Captis Power+

Note: If the Captis Power+ is to be installed inside a metal cabinet, an external LTE antenna must be used and routed to an open area where cell signal is less obstructed.



Your Captis Power+ must be mounted on DIN rail and ensure the fastening clip on the back of the device is engaged.

When mounting your Captis Power+, ensure that there is enough length in the sensor cable to reach without any undue stress.

## Terminate the Sensor

The Captis Power+ is provided with 24 terminals, 12 on each side of the device. These terminals can be connected to one or many different peripheral devices at one time. Use the diagram below to determine how to wire the connections between the Captis Power+ terminals and the sensor.

## Test Sensor

Test the sensor by ensuring there is known data out of the sensor into the Captis device sensor input. Wake the device and review the data stream.

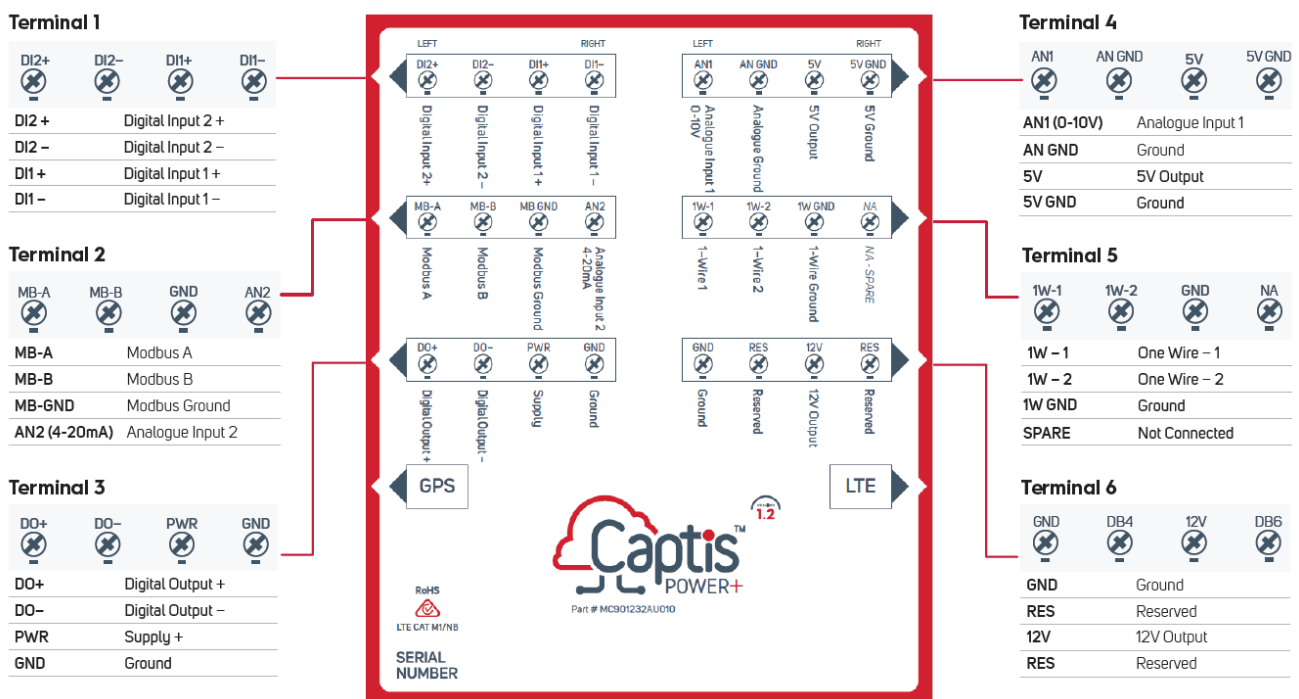
## Test Connectivity

Use the magnet provided to 'Wake' the Captis Power+ by holding it over the  symbol.






The device should then connect to your platform.

Ensure that the device is tested in its final install location to prove that there is adequate signal strength.

If the device does not connect to your platform, please refer to the Troubleshooting section below.



## TROUBLESHOOTING

SYMPTOM	MEANING	WHAT TO DO
 <b>STATUS</b> x20	Device is on/ awake.	Device is working as it should, leave device to collect data.
 <b>CELLULAR</b> solid	Device connected to LTE network.	Device is working as it should, leave device to collect data.
 <b>STATUS</b> no LED status	The device battery may be depleted, or a device fault may have occurred.	Use a different device and contact the supplier.
 <b>STATUS</b> x2 long + x1 short	No cellular registration (connection to the network) is being achieved.	Check network provider coverage map to ensure the site is covered by the LTE-M or NBloT cellular network. If the area is covered, and the device cannot connect, contact the supplier.
 <b>STATUS</b> x2 long + x8 short	Device cellular module failed to boot.	Return the device to the supplier if the issue persists.
Sensor connection not working (not flashing the LED after LED flash turned on in Captis Configuration Toolset).	Connection wired incorrectly.	Confirm that the sensor is properly attached. Contact support if issue persists.
Sensor readings not uploading/appearing in cloud platform.	Sensor not triggering.	Ensure the sensor can be triggered by checking that the sensor is securely installed. Contact support if issue persists
	No cellular signal	Check Status and Cellular LED. If flashing, complete troubleshooting for a flashing Cellular LED. Contact support if issue persists.

## MAINTENANCE & SAFETY

Note: Opening the Captis Power+ device will void warranty and may cause significant damage to the device.

### Maintenance

Your Captis Power+ does not require any maintenance once installed.

If you encounter any issues with the device during its standard operation, contact your support team.

### Electromagnetic Radiation – Human Exposure

Warning: This device has a Maximum Permissible Exposure (MPE) radius of 20cm.

It is the installer's and end customer's responsibility to ensure that no person has any body parts within 20cm of the device or antenna while device is transmitting. Device is transmitting when the 'Cellular' LED is lit.