Installation & Operating Instructions

Sollatek™
INTELLIGENT REFRIGERATION CONTROLS

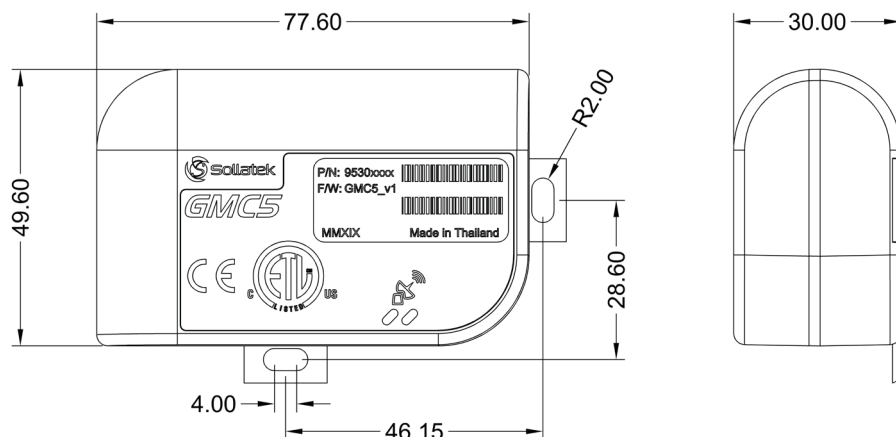# GMC5-2W
2G AND WI-FI TRACKER WITH PRIMARY BATTERY

The GMC5 is a ready to go smart tracking device ideal for small to medium assets. The GMC5 uses Wi-Fi for precise geo-location and GSM for transmitting its location to the online portal.

There are three operational modes (stationary, movement and post-movement) to maximise battery life whilst ensuring you know your asset's exact location. Transmission intervals can be fully customised.

The GMC5 is fully sealed and IP65 rating so can be mounted in the harshest of environments.

DIMENSIONAL DRAWING

TECHNICAL SPECIFICATION

Battery	
Battery Type	Lithium-Thionyl Choride (Li-SOCl$_2$)
Nominal Voltage	3.6 V
Capacity	3500 mAh
Expected life	Approx. 7 years (based on weekly update)
Cellular Connectivity	
Target Region	Global
Antenna	Internal
Type	2G
Category	EDGE, GSM, GPRS
Frequency Band	850 / 900 / 1800 / 1900
Wi-Fi Geo-location	
Frequency Range	2.4 GHz
Protocol	802.11 b/g/n
Accelerometer	
Measurement Direction	3-axis
Measurement Scale	±2G / ±4G / ±8G / ±16G
Status Indicators	
LED	2 x LEDs Green: GSM Power Status ; Red: Transmitting status
Environmental	
IP Rating	IP65 Sealed Enclosure
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Operating Humidity	<90% RH non-condensing
Certification / Standards	
Product Certification	CE
Mechanical	
Mounting	2 x self-tapping pozidriv screws or double sides adhesive pad
Unit Dimensions	77.6 x 49.6 x 30.0 mm
Unit weight	50 g

1. MOUNTING THE GMC5

⚠️ Isolate power if installing the GMC5 in areas where live electrical equipment are housed.

It is not recommended for users to replace the battery so please contact Sollatek. The replacement battery should be of the same type.
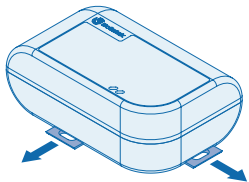
🗑️ The device cannot be disposed of as municipal waste and such should waste should be collected and disposed of separately in accordance to EU directive 202/96/EC.

- The GMC5 should be positioned so it has line of sight to the surrounding Wi-Fi signals and in an area with good GSM reception.
- Avoid installing the GMC5 near electrical equipment. Electrical current can interfere with Wi-Fi and GSM signals, reducing location accuracy and transmission
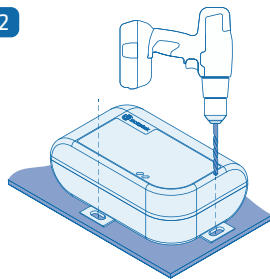- The GMC5 can be mounted in any direction.
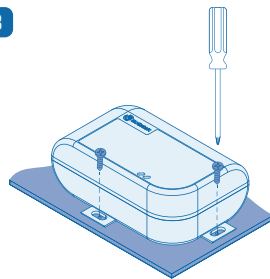
1.a SCREW MOUNTING

1 Pull out the screw mounting tabs from the bottom of the GMC5. .

2 Mark and drill pilot holes.

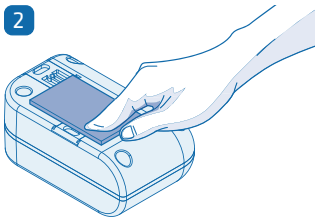**3** Using a screwdriver, tighten the two screws to secure the GMC5 to the surface.
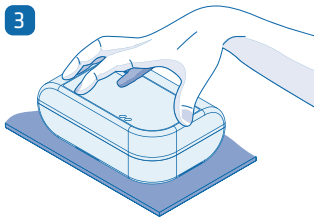
1.b ADHESIVE PAD MOUNTING

1 Ensure the mounting surface and the back of the GMC5 is clean and dry.

2 Stick the adhesive pad to the rear of the GMC5.

3 Firmly press the GMC5 into position ensuring it is secure to the surface.

2. TURNING THE TRACKER ON/OFF

Refer to GMC5 Unit Activation Instruction

3. LED OPERATIONAL DESCRIPTION

LED	Description	Meaning
OFF, OFF		Cellular Communication Powered Down
ON, Flashing (64ms ON/800ms OFF)		Not Synchronized with the Network
ON, Flashing (64ms ON/200ms OFF)		Synchronized with the Network
ON, Flashing (64ms ON/600ms OFF)		GPRS data transmission after dialling the PPP connection

4. OPERATION SETTINGS

Parameter	Default Setting	Description
Movement duration to state a movement	15 Seconds	The period of constant movement to trigger movement mode
Post stopping duration (hours) to transmit	0 Hours	The period the GMC5 must remain stationary after sensing movement before transmitting (post-movement mode)
Post stopping duration (mins) to transmit	30 Minutes	
Transmission settings	Transmission on movement and post stopping	The GMC5 will send data once a movement has been sensed and again once movement has stopped
Server ping interval	7 Days	Duration between transmissions when the GMC5 is in stationary mode