

GMC4

ADVANCED PLUG-IN CONNECTIVITY AND TRACKING DEVICE FOR REFRIGERATION CONTROLLERS

DESCRIPTION

The GMC4 is a compact, easy-to-use connectivity and tracking device that plugs into Sollatek temperature controllers to provide continuous monitoring, configuration and location capabilities to refrigeration systems.

Plugged into the controller, the GMC4 provides full system management and fleet optimisation with monitoring of not only the connected sensors but also the status of the connected equipment (compressor, fans, lights or heaters), the controller status/mode as well as the cooler location.

Monitoring the operational and health data offers early detection of status changes or errors to prompt proactive measures/maintenance to prevent or fix issues before they become critical which helps increase uptime, reduce maintenance costs and ensure optimal system operation.

Data collected can also be analysed to gain customer buying behaviour and trends to help make data-driven sales and marketing strategies as well as improve customer satisfaction by ensuring product quality and providing a personalised experience via customer engagement.

The GMC4 allows for remote parameter configuration and firmware updates to help improve device functionality with new features, bug fixes and site-specific settings without the need for site visits.

FEATURES

- Real-time data monitoring and Historical data tracking
- GSM and Bluetooth connectivity
- Remote configuration and over-the-air firmware update
- Online portal and Application for remote monitoring from a computer, tablet or smartphone
- User-friendly interfaces with easy-to-understand data visualizations.
- Wi-fi location tracking and positioning using access points.
- Backup battery for location transmission in case of power outages or disruptions
- Customer engagement through BLE beacons - iBeacon and Eddystone
- Small compact design for discreet mounting
- IP53 sealed enclosure
- Simple installation and set-up (plug and play)
- Powered from the host device

CONTROLLER COMPATIBILITY

JEA



JEAc



FCAx3



FEATURES



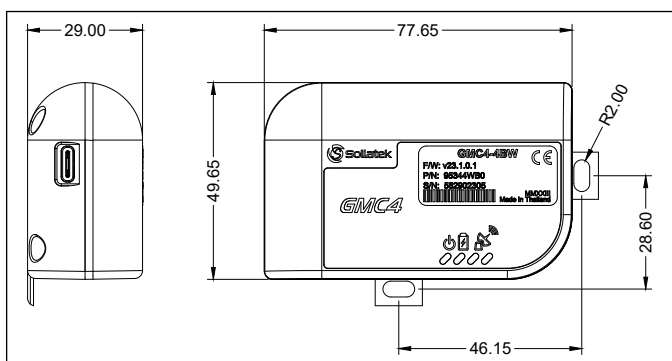
GMC4 PRINCIPLE



TECHNICAL SPECIFICATION

| | |
|--------------------------------------|---|
| CELLULAR CONNECTIVITY | |
| Target Region | Global |
| Antenna | Internal |
| Type | 2G LTE |
| Category | EDGE, GSM, GPRS Cat-M1, Cat-NB2 |
| Frequency Band | 850 / 900 / 1800 / 1900 B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B28, B66, B71, B85 |
| BLUETOOTH CONNECTIVITY | |
| Type/version | BLE 4.1 |
| RF Power Output | -20 dBm to +4 dBm |
| Frequency | 2.4 GHz ISM |
| Connectivity | Eddystone, iBeacon & connection to the Sollatek Smart Device Application |
| Bluetooth Standard | IEEE 802.15.1 |
| Memory Size | 32 Mbit for data/event storing between transmission |
| WI-FI LOCATION & MOVEMENT | |
| Frequency Range | 2.4 GHz |
| Protocol | 802.11 b/g/n |
| Measurement Direction | 3-axis |
| Measurement Scale | High Sensitivity ±2g |
| BACKUP BATTERY | |
| Battery Type | Rechargeable Lithium Polymer |
| Nominal Voltage | 3.7 V |
| Capacity | 750 mAh |
| Typical Run Time | Approx. 5 months (dependant on the set transmission frequency) |
| GENERAL | |
| Power | Powered from the host device |
| LEDs | 1 x Green Power, 1 x Green Battery, 2 x (Green & Red) GSM |
| Connector | USB-C |
| ENVIRONMENTAL | |
| IP Rating | IP53 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, UKCA |
| Flammability | UL94 V-0 @ 1.5 mm, GWFI: 960 °C, GWIT: 850 °C |
| Pollution Degree | 2 |
| MECHANICAL | |
| Mounting | Double sided adhesive pad or Pull out screw tabs: 2 x No.4 13mm Torx-Pin Pan Self-drill screws |
| Unit Dimensions | 77.65 x 49.65 x 30.0 mm |
| Unit Weight | Approx. 60 g |
| PACKING & SHIPPING | |
| Carton Quantity | 200 units |
| Carton Dimensions (L x W x H) | 580 x 485 x 327 mm |
| Carton Gross Weight | Approx. 17.5 kg |
| Pallet Quantity | 24 cartons (4800 units) |
| Pallet Dimensions (L x W x H) | 1200 x 1000 x 2112 mm |
| Pallet Weight | 440 kg |

DIMENSIONAL DRAWING



PRODUCT CODE DESCRIPTION

95342WB0-X GMC4-2BW 2G

95344WB0-X GMC4-4BW 4G

X = S: Sollatek Portal or Blank: 3rd party Portal

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