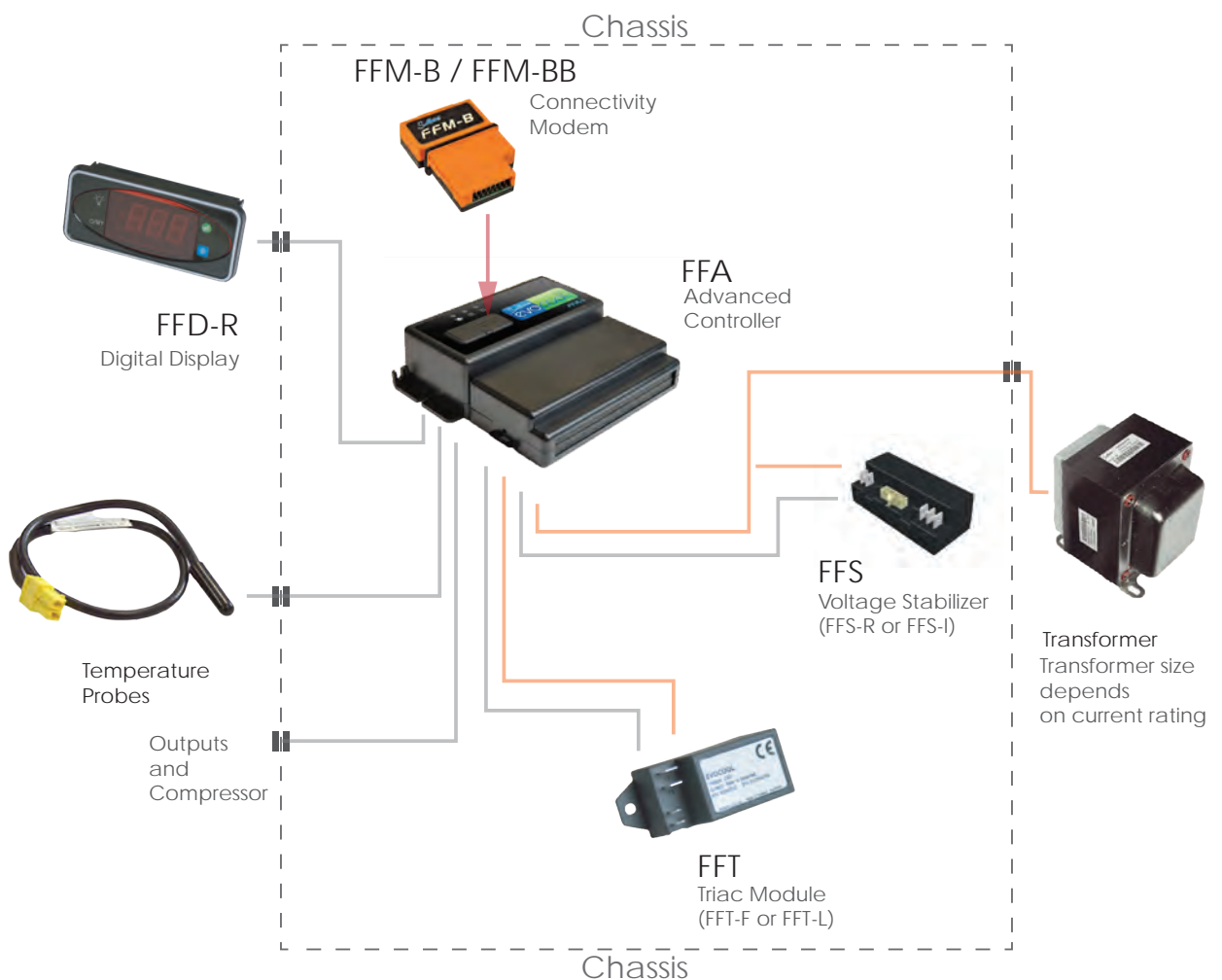


FFM-B, FFM-BB

ADVANCED REFRIGERATION BLUETOOTH MODULE

The FFM-B & FFM-BB Bluetooth module plugs directly into the most advanced refrigeration control system currently available for glass door merchandising coolers.

Unique expandability adding display, connectivity, voltage stabilisation, energy saving and long life compressor switching.



Features:

- The FFM-B receives and transmits a wide array of data collected from the FFA controller's multiple inputs Bluetooth low energy (BLE) connectivity to host device

Interface:

- FFM-B module plugs directly into the FFA controller

Memory:

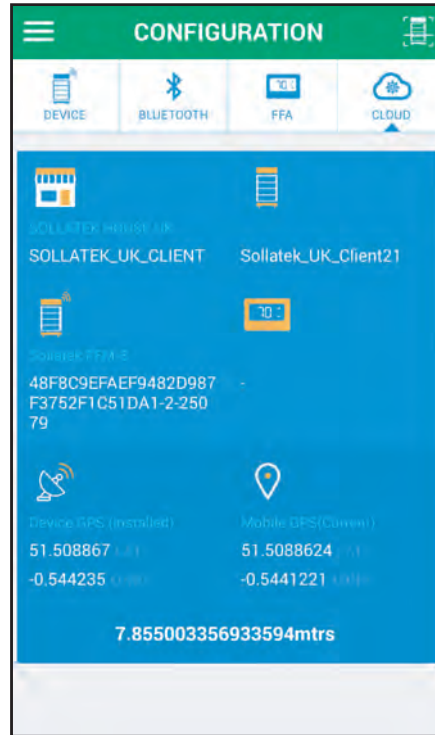
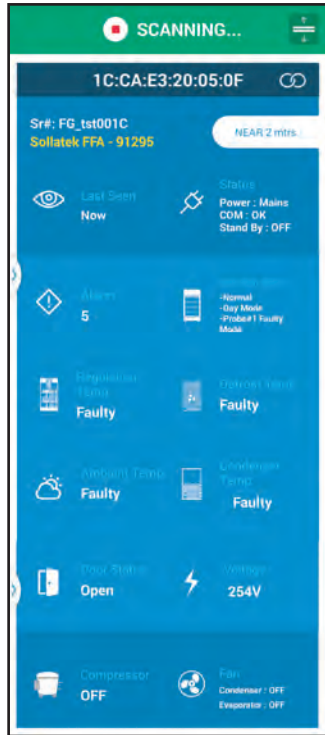
- 13500 events can be stored in internal memory

Power:

- Powered from Host device (refer to specification table)
- Built-in rechargeable battery in FFM-BB
- Ultra-low-power design

Mobile App:

- Intuitive App to display current status of the cooler: Temperatures, Relays, Alarms, Door, Voltage
- Controller settings readout and modification via App
- Android and iOS based mobile Ap
- OTA update of FFM-B & FFM-BB



Technical Specification:

| | FFM-B | FFM-BB |
|--|---------------|---|
| Bluetooth | | |
| Version | | BLE 4.1 |
| Frequency band | | 2.4GHz ISM |
| Transmit power | | -20dBm to +4dBm |
| Receiver sensitivity | | -96dBm |
| Antenna | | Internal |
| Broadcast channels | | 3 |
| Advertising Interval in beacon mode | | 10ms to 10000ms (configurable) |
| Memory | | 512kB ROM |
| Processor | | ARM Cortex M4F |
| Security | | AES-128 |
| Electrical | | |
| Operating voltage | 3.3V | 5V |
| Current consumption (average during communication) | | 2.8mA |
| Battery | | Lithium-polymer 3.7V 470mAh with Protection Circuit |
| Temperature | °C -40 to +85 | -20 to +60°C |
| Certifications | | CE, FCC, Complies with Bluetooth v4.1 |
| Dimensions | | 42 x 56 x 19mm |
| Warranty | | 2 years |

For more information on the Sollatek product range visit www.sollatek.com

