

Product description

This WEMS module provides 434MHz wireless connectivity to the module cluster, and supports hopping to extend the network range. 434MHz communications offers the best wireless range characteristics and is permitted for use in the European markets and some other countries.

Features

- Pluggable, snap-fit modular system
- High performance wireless narrowband frequency
- Can be used with 3rd party BMS using WEMS BACnet Gateway
- Licence-free use (ISM bands)
- DIN rail mount
- Status LEDs

Specification

Temperature & humidity

Operating Temperature Range -10 to +50 °C
Operating Humidity < 75% RH (Non condensating)
Storage Temperature -20 to +85 °C
Storage Humidity < 90% RH (Non condensating)
Cooling Convection

Power

Supply Voltage Modular BUS powered
Power 0.370W max

RF Specification

RF Frequency 433.05-434.79MHz
RF Output Power 8dBm max (6.25mW)
RF Sensitivity -115dBm
RF Bandwidth 25kHz (Narrow band)
RF Channels 69
RF Output Connector Female 50 OHM SMA (Sub-miniature version A)
Antenna (recommended) 50 OHM quarter wave monopole with ground plane

Misc

Enclosure UL94-VO flame retardant PC, IP20 rated
Mounting 35mm DIN rail (EN 50022, BS 5584, DIN 46277-3)
MTBF 2,460,467 hours

Compliance

EMC

EN 301 489 Electromagnet compatibility
 EN 61000 Electromagnet compatibility

Safety

EN 60950 Information technology equipment
 EN 60730 Automatic electrical controls
 EN 50366 Domestic equipment

Wireless

EU R&TTE Directive for 25kHz
 EN 300 220 EMC standard for short range devices
 EN 301 489 EMC standard for radio equipment and services



Certifications

CE, RoHS, UL

Dimensions & weight

Weight 63g with connector
Height 98mm
Width 25mm
Depth 58mm

