

## Receiver Group: RX BMS-2 Series

**Housing:**

Impact resistant polymer composite

**Weight:**

Up to 1.61 kg (3.5 lbs)

**Dimensions:**

Height: 205 mm (8.1 in) not including antenna  
Width: 246 mm (9.7 in)  
Depth: 115 mm (4.5 in) including vibration mounts

**Environmental Protection:**

IP 65 (Exceeds Nema 12/13)

**Antenna:**

External via TNC connector

**I/O:**

- 1 CANopen serial communications interface
- 1 RS232 serial communications interface for programming and cable back-up

**Inputs:**

- 6 Digital control inputs at 6-36 VDC

**Outputs:**

- 1 MC on/off output at 6-36 VDC, 10 A maximum load
- 6 On/off outputs at 6-36 VDC, 8 A
- 16 On/off TTL outputs at 5 VDC, 5 mA
- 8 Configurable voltage outputs (RX BMS-2 VC)
- 16 Programmable PWM outputs at 6-36 VDC, 3 A (RX BMS-2 PWM)

**Fuse:**

7.5 A blade type

**Power Supply:**

12/24 VDC +/- 50%

**Diagnostics:**

External 3 character seven segment LEDs for operating status and diagnostic codes

**Frequency:**

419, 429, 434, 447, 458, 480, 868, 1216 MHz

**RF Unit:**

Type CS synthesized with multiple frequencies

**Typical Operating Range:**

Up to 100 m (300 ft)

**Safety:**

20-bit (over 999,999 possibilities) address module  
Active and passive Stop function  
Parity and checksum  
Safety category 3 compliant

**Temperature Range:**

-25° C . . . +70° C (-13° F . . . +158° F)

**Humidity Range:**

0 - 97% maximum non-condensing

**Response Time:**

Less than 100 msec

**Baud Rate:**

Up to 9600 bps for RF  
9600 bps for RS232

**Standard Features:**

Fully programmable via PC  
Built-in quick disconnect connector  
Cable back-up ready  
Auto hold of outputs  
Quick set programming of proportional outputs  
Vibration mounts

