

WNC-MD
PIR Check-In Transmitter

The WNC-MD PIR check-in transmitter combines a wireless passive infrared motion sensor with an integrated radio transmitter. Built with digital signal processing to recognize human movement and signatures, it minimizes false alarms. The compact unit fits unobtrusively into any room environment while providing long battery performance. Once motion triggers a "Check In" transmission, the main server updates resident activity logs. If no signal is registered within pre-set daily time windows, the master console alerts care staff to check on the resident.

Architects' and Engineers' Specifications

The passive infrared motion detector shall be model BEC WNC-MD with integrated wireless transmission. The sensor must use digital signal processing calibrated to recognize human motion signatures while rejecting background interference. Upon activation, the transmitter shall send a "Check In" notification to the master station. The device shall be fully supervised and powered by an internal 3.0V lithium battery.

System Components

Server 2: **Video Display Console**
MV500: **500 Console Master**
MV200 PLUS: **200 PLUS Console Master**

Specifications

- **Dimensions:** 0.9" H × 1.7" W × 3.5" D
- **Weight:** 1.7 oz (excluding battery)
- **Power:** 3.0V CR123A lithium battery
- **Battery Life Expectancy**: 1–2 years average
- **Sleep Time Interval:** 1 hour
- **Operating Temperature Range:** 32°F to 120°F

Features

- Continuous supervisory monitoring to confirm system connectivity
- Includes a long-lasting 3.0V lithium power cell
- Comes with three eye inserts for adjustable detection angles
- Standard lens detection range extends up to 30 feet

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