

TR-M100E

Transmitter, Infrared Motion Sensor



Description: The TR-M100E Infrared Motion Sensor is a low-current motion detector highly sensitive to moving heat (infrared radiation) sources. It features increased immunity to radio frequency interference, vibrations, static, lightning, ambient temperature changes, and other common causes of false alarms. Provides supervision of low-battery and tampering for reliability and security.

Operation: When used with the Cornell's inform Nurse Call System, the TR-M100E can monitor low-traffic areas. When it detects a moving heat source, it will alert staff through Cornell's *inform* software.

Mounting: The TR-M100E can be wall-mounted 6'5" to 7'5" above the finished floor for optimal coverage. The included mounting bracket allows it to be installed on a flat wall or within a corner.

Engineering Specifications: The contractor shall furnish and install the CORNELL TR-M100E Infrared Motion Sensor Transmitter according to the specifications. Includes battery for power. Low-battery and tamper notifications are available.

Technical Information:

- Dimensions: 4.25" x 2.28" x 1.7" (108 mm x 58 mm x 43 mm)
- Weight: 3.2 ounces (90 grams)
- Typical Battery Life: 2 years
- Power Requirements: CR123A battery or equivalent
- PIR: Quad-element PIR
- Coverage Area: 26' (8m)
- Operating Environment:
 - Temperature: 32°F to 120°F (0°C to 49°C)
 - Environment: 0-93% (non-condensing)
- Frequency: 902-928 MHz, frequency hopping spread spectrum
- Regulatory Compliance: FCC, RoHS, Industry Canada, AS/NZS 4268:2017
- Installation Instructions: [Motion Detector Installation and Operation Manual](#)