BLACK BOX®
NETWORK SERVICES

AlertWerks™ Motion Detector Sensor

Detects speed of 0.5–9.8 ft./sec. at -4 to +144° F with a 150° detection angle.

Specifications

Detection Angle — 150°

Infrared Sensor — Dual element

Maximum Cable Length — Single motion detector sensor: 1000 ft. (300 m);
Total cable length of a string of 10 motion detector sensors: 150 ft. (45.7 m);
Maximum cable length between each motion detector sensor: Should be less than 20 ft. (6 m)

Maximum Working Distance — 9 ft. (3 m)

Temperature Tolerance — Operating: +4 to +122° F (-20 to +50° C)

Power — Powered by AlertWerks hub or base unit (EME102A, EME108A, or EME134A);
Consumption: Typical 51.40 mWatt, 10.28 mA

Size — 2.6"H x 2.4"W x 1.4"D (6.5 x 6 x 3.5 cm)

Overview

The AlertWerks passive infrared Motion Detector Sensor detects the presence of movement. It is specially designed to be integrated with AlertWerks hubs.

Mount the sensor on a wall or ceiling. To prevent false alarms, the sensor characterizes the optimum detection angle. It's compatible with EME102A, EME108A, EME134A, and EME1X8. You can link up to ten motion detectors together, plugged into a single RJ-45 sensor port.

Features

• Wall/ceiling mounted design.

• Weatherproof.

• Surface-mount technology.

• High RFI immunity.

• Link up to ten motion detector sensors on a single port.

Typical Application

Figure 1 shows a typical application.

EME102A, EME108A,
or EME134A

EME1M1-005-R2   EME1M1-005-R2   EME1M1-005-R2

Output
Power

Output
Power

Output
Power
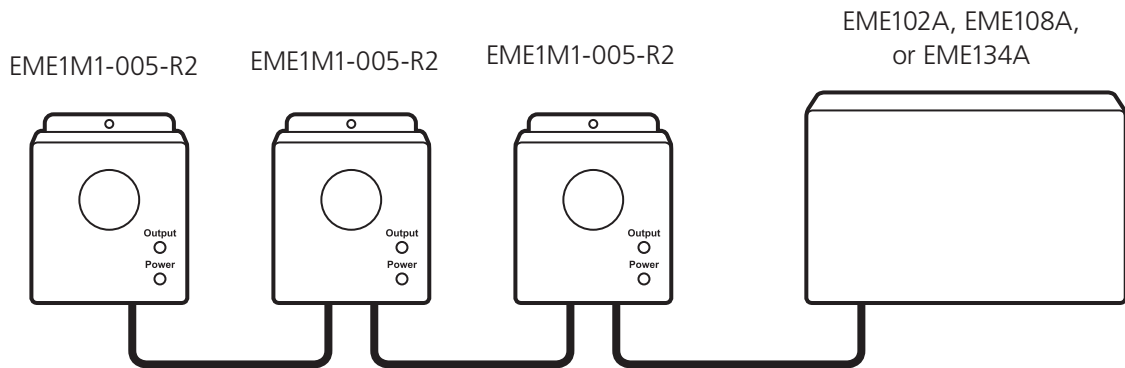
Figure 1. Daisychain up to ten motion detectors.

EME1M1-005-R2, version 1