

ADEMCO**INSTALLATION
INSTRUCTIONS****No. 1860TM
PIR MOTION DETECTOR
TEST METER****GENERAL INFORMATION:**

The No. 1860TM Passive Infrared (PIR) Motion Detector Test Meter is used in the testing of the 1860 Series Passive Infrared Motion Detectors: Nos. 1862, 1863 and 1866. During a walk test, the test meter aids in the location of sensitive zones and the identification of false alarm sources. In addition to indicating the presence of a source of disturbance, the test meter also presents a readout of the level of signal resulting from the disturbance. For connection of the test meter to the detector, a special test point connector on the detector printed circuit board is used.

DESCRIPTION: (See Diagram)

The test meter is housed in a hand-sized rectangular enclosure with an LED indicator display on the front face. The LED display consists of 10 LEDs mounted in a vertical column. The level of signal is represented by the distance (in either direction) of the lit LED from the WHITE center line (positive voltage above and negative below line). An alarm condition is indicated by the lighting of the topmost LED. When lit, the LED that is fifth from the bottom of the column (just below the center line), indicates that the detector is looking at a stable background.

The test meter is connected to the detector by a cable that plugs into the lower (marked INFRARED) of two jacks on the test meter and also connects to the test point connector on the detector printed circuit board (PCB). The other jack (marked MICROWAVE) on the test meter is not used.

A strap is attached to the top of the test meter. During testing, the test meter may be suspended from the detector under test by means of this strap.

TEST CONNECTIONS: (See Diagram)

The test meter is connected to the unit under test as follows:

1. **Remove detector cover** by inserting and turning key, small coin or similar object in slot between detector cover and chassis.
2. **Connect 2-pin female plug at one end of test meter cable to 2-pin test point connector on detector PCB** by engaging test point connector prong into plug slot.
3. **Insert male plug of cable into INFRARED jack on test meter.**
4. **Suspend the test meter by its strap** from the detector or other convenient nearby projection.
5. **Perform TEST AND ADJUSTMENT procedure** found in 1860 Series Passive Infrared Motion Detector Installation Manual. Use test meter indications to locate zones.

With no movement present, LED immediately below center line should be lit. Top or bottom LED lit indicates alarm signal is present. Other LEDs indicate intermediate conditions.

SPECIFICATIONS:

Dimensions:

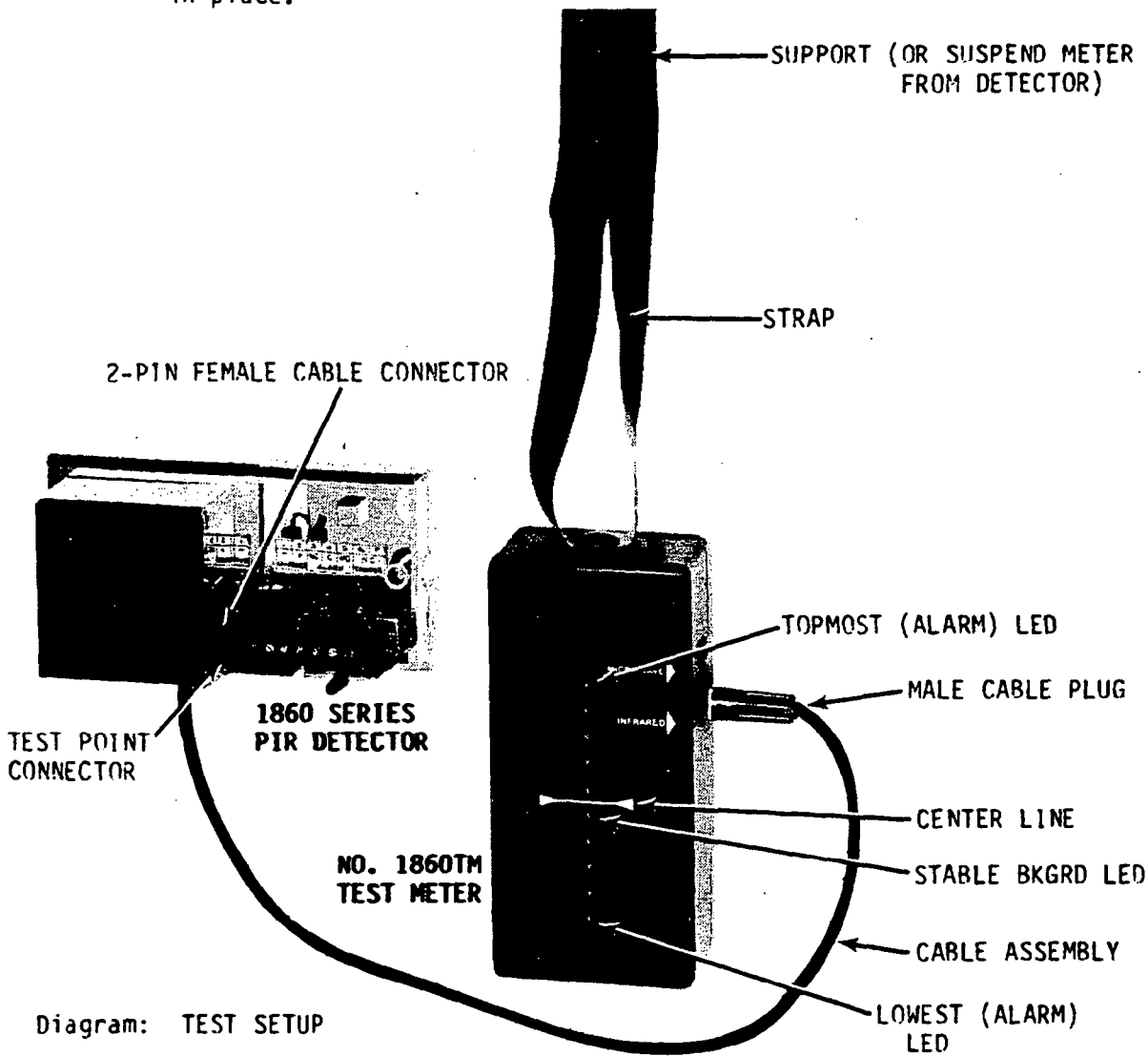
Height: 5" (12.7 cm)
Width: 2-1/4" (5.1 cm)
Depth: 1-1/2" (3.8 cm)

Electrical:

Voltage: 6V.DC (Battery consisting of 4 Type AA dry cells)*
Lead: Cable assembly with male plug and 2-pin female connector.
Indicator: LED column

***Note:** Dry cells should be replaced annually or when low battery voltage is indicated, either by the top LED illuminated continuously or by the simultaneous lighting of several LEDs.

To replace battery, remove 4 screws holding the back of the No. 1860TM in place.



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