

ADDENDUM TO: INSTALLATION INSTRUCTIONS

for

Nos. 650, 650-6, 650-12EX

651, 651-6, 651-12EX

RE: Meter Test

The following Meter Test procedure should be substituted for the corresponding section shown on page 14 of the accompanying installation instructions.

Meter Test (if required, for analyzing problem areas):

1. **Remove the detector's cover.**
2. **Connect a DC voltmeter (or multimeter), 20K ohms per volt, or equivalent, as follows:**
 - a. With a No. 650, 650-12EX, 651 or 651-12EX: Set the meter to its 10V.DC range.
With a No. 650-6 or 651-6: Set the meter to its 2.5V.DC range.
 - b. Connect the meter's positive (+) test lead to the detector's TEST POST (located as shown in Diagram 8 or 9, depending on the unit being used).
 - c. Connect the meter's negative (-) test lead to detector terminal 4.
3. **Mask the detector's optics so that motion cannot be detected** (Note: Placing the optics protective shipping foam over the mirror will not provide sufficient masking. Use of a handkerchief or sheet of paper in front of the mirror is suggested).
 - a. With a No. 650, 650-12EX, 651 or 651-12EX the meter should indicate approximately 3.9 to 4V.DC (with a permissible normal fluctuation of approximately 0.2V).
 - b. With a No. 650-6 or 651-6 the meter should indicate approximately 1.6V.DC (with a permissible normal fluctuation of approximately 0.1V).
4. **Remove the mask covering the optics, remain motionless and allow time for the meter to settle.** Motion into any of the detector's zones will cause the meter to deflect above or below the nominal level. A meter variation as follows will trigger the unit, causing its LED to illuminate and its alarm relay to transfer:
 - a. With a No. 650, 650-12EX, 651 or 651-12EX, a deflection of +0.8 Volt will trip the unit.
 - b. With a No. 650-6 or 651-6, a deflection of +0.5 Volt will trip the unit.

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ALARM DEVICE MANUFACTURING CO.

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