



Electric Hinge Installation Instructions

Concealed Electric Through Wire (ETW)

Concealed Electric Monitor (EMN)

Concealed Electric Through Wire with Monitor (ETM)

IV. ADJUSTMENT (EMN/ETM ONLY)

All EMN/ETM hinge monitoring circuits are pre-adjusted to a 3/8" gap at the factory.
See Figure 4.

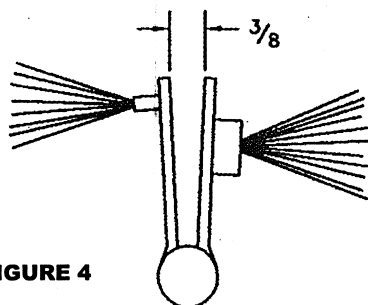


FIGURE 4

MAX. ELECTRICAL RATING SWITCH

30 VDC @ .500 amps

30 VDC @ .500 amps

CONTACT THROUGH WIRE

VOLTS 48v DC/AC

AMPERES 3.5 A continuous current
16.0 A current
(300 milliseconds)

CAUTION: Hinge cannot be adjusted when mounted to the frame.

Failure to follow these instructions may result in damage to the hinge.

Removal and adjustment:

Open door and remove screws from frame leaf. Carefully pull hinge away from frame until the connected wires are exposed. Disconnect the black and white wires for closed loop wiring or the black and green wires for the open loop wiring.

Set on ohmmeter to the resistance scale. Connect the black and either the white or green wires to the ohmmeter. See Figure 5

Slowly close hinge until the circuit is made. The ohmmeter will indicate either an open or closed circuit. when the hinge leaves are closed.

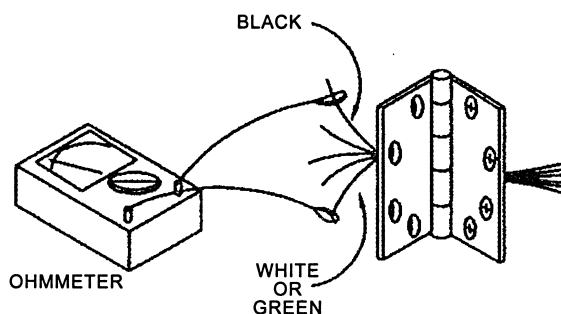


FIGURE 5

Adjustments to the monitoring gap are made by turning the adjusting screw until the adjusting tool included with the hinge. The adjustment screw is reached through the hole centered in the edge of the lead. See Figure 6.

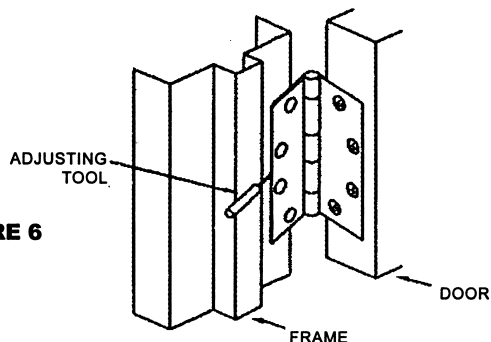


FIGURE 6

To adjust the gap, open hinge, insert the adjusting tool and turn one (1) turn **clockwise** to **decrease** the gap or **counterclockwise** to **increase** the gap. Recheck gap with ohmmeter by slowly closing hinge. Repeat procedure until the desired gap is achieved. See Figure 6.

CAUTION: Do not adjust so that the screw extends beyond the edge of the hinge leaf.

HAGER COMPANIES
139 VICTOR STREET
P.O. BOX 12300
ST. LOUIS, MISSOURI 63157-0300
www.hagerco.com