



Electric Hinge Installation Instructions

Concealed Electric Through Wire (ETW) Concealed Electric Monitor (EMN) Concealed Electric Through Wire with Monitor (ETM)

Please note:

Do not remove pin or attempt to disassemble hinge.
Electric hinges should always be installed in the center hinge location.
For grout filled frame use Hager mortar box.

Failure to follow these instructions will void warranty.



Hager Electric Hinges are listed with Underwriters Laboratories, Inc.
Category: Connectors and Switches (AMQV, AMQV7)

I. DOOR AND FRAME PREPARATION

Drill a 1" diameter hole in the frame (all applications) and 3/4" diameter hole(s) in the door (ETW & ETM). See Figure 1. 3 knuckle hinges require two 3/4" holes, 5 knuckle hinges one. Deburr the hole to prevent damage to the wire.

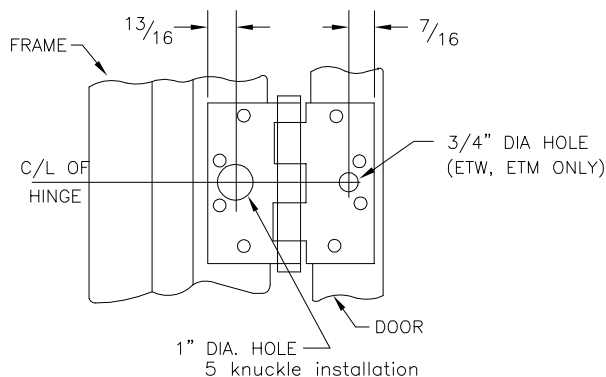
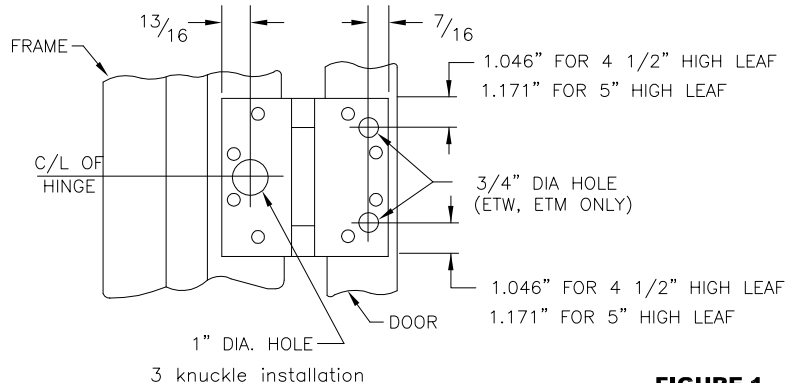


FIGURE 1

II. INSTALLATION

Attach wires from hinge to the appropriate wires as described in the wiring diagram supplied for your project by others. Insulate bare ends of any unused wires. See Figure 3 for schematic.

Check the fit of the hinge in the door and frame preparation. The hinge must fit easily in the mortise and not bind when fully installed. Forcing the hinge into a faulty preparation by hammering or bending can cause serious damage and/or shortened life.

Carefully slide wires back through the access holes in the door and frame. Make sure that the wires are placed so they will not be cut or pinched as installation is completed. See Figure 2.

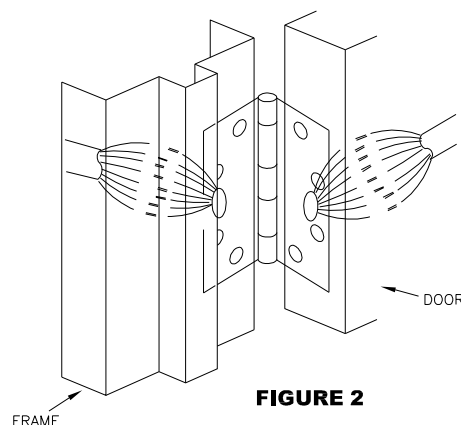


FIGURE 2

III. WIRING METHODS

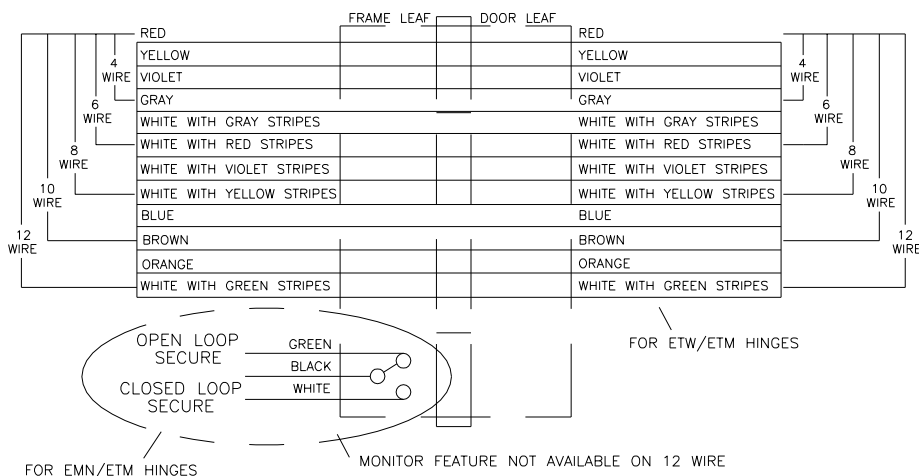


FIGURE 3

EMN and ETM ONLY

"Closed Loop Secure"

(Use black and white wires)
Closed Loop Secure hinges are wired so that when the door is closed (secured) the EMN/ETM switch is closed (passes current). When the door opens an open circuit is detected as an alarm.

"Open Loop Secure"

(Use black and green wires)
Open Loop Secure hinges are wired so that when the door is closed (secured) the EMN/ETM switch is open (does not pass current). When the door opens a closed circuit is detected as an alarm.

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