



Installation Instructions for all ETH models

Door Preparation:

The wire chase should be drilled through the door with a 3/8" drill bit starting at point noted on the hinge template.

The ETH hinge should always be positioned as one of the center hinges on the door, since the modified hinge no longer meets manufacturers load bearing specifications.

A starter hole of 3/4" Dia. x 1-1/2" deep is recommended for positioning the splice of the hinge wire and lock through wire.

Be careful not to pinch wires between the door and hinge when securing the hinge to the door. This may cause the hinge to malfunction

Note: In fire rated conditions be sure to confirm the maximum starter hole diameter and depth with the appropriate testing agency.

Frame Preparation:

Position template at appropriate hinge location on frame. Mark and drill hole to receive the wires from the ETH hinge.

Be careful not to pinch wires between the frame and hinge when securing the hinge to the frame. This may cause hinge to malfunction

Note: Steel based hinges are for interior use only. Use stainless steel or brass based hinges for exterior installations.

*** Do not allow hinge to dangle from its wires during installation ***

Burglar alarm systems applications:

The ETH hinges are used to pass low voltage power from a frame hinge jamb to the door to power lock sets, exit devices and door monitoring devices such as door position switches, request-to-exit switches, etc.

Electrical Specifications- (Maximum Continuous rating)

ETH2W - 4.0 amps @ 24V

ETH2WH - 5.0 amps @ 24V

ETH4W - 1.0 amps @ 24V (each pair) - Wire Leads greater then 2ft but less then 10ft rated: 0.4 amps @ 24V (each pair)

ETH6W - 1.0 amps @ 24V (each pair) - Wire Leads greater then 2ft but less then 10ft rated: 0.4 amps @ 24V (each pair)

WE do not recommend splicing hinges containing 26 AWG wire (ETH4W, 6W) to any wire heavier than 18 AWG

ETH4W 28g - 1.0 amps @ 24V (each pair)- Wire leads greater then 2ft but less then 10ft rated: 0.4 amps @ 24V (each pair)

ETH8W - 1.0 amps @ 24V (each pair) - Wire Leads greater then 2ft but less then 10ft rated: 0.4 amps @ 24V (each pair)

ETH10W - 1.0 amps @ 24V (each pair) - Wire Leads greater then 2ft but less then 10ft rated: 0.4 amps @ 24V (each pair)

ETH12W - 1.0 amps @ 24V (each pair) - Wire Leads greater then 2ft but less then 10ft rated: 0.4 amps @ 24V (each pair)

WE do not recommend splicing hinges containing 28 AWG wire (ETH8W, 10W, 12W) to any wire heavier than 20 AWG

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(template on reverse side)