

# INSTALLATION

# 9520/9521/9522/9523/9524

## Electrified Hinges (Mortise Mount)



*In or Out... we make it Easy!*

These hinges are designed to pass low voltage power through a frame hinge to the door without any exposed wires. They are ideal to power locksets, exit devices, request to exit switches, and monitoring devices like door position switches.

**IMPORTANT:** Before modifying any fire rated opening, check with the Authority Having Jurisdiction (AHJ) for acceptable procedures.

**IMPORTANT:** Avant de modifier une ouverture résistant au feu, vérifier auprès de l'autorité compétente pour savoir comment procéder s'il y a lieu.

**IMPORTANTE:** Antes de modificar cualquier abertura con clasificación de resistencia al fuego, controle con la Autoridad que Tenga Jurisdicción (AHJ, por sus siglas en inglés) para obtener procedimientos aceptables.

### 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 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 the splice of the hinge wire and lock wires.

### FRAME PREPARATION:

Mark and drill hole to receive the wires from the hinge.

### ELECTRICAL SPECIFICATIONS (MAXIMUM CONTINUOUS RATING):

6 Wire : 2 x 20 AWG 4.0 Amps @ 24V continuous  
In rush rating 16A @ 24V for .5 mS (each pair)  
plus 4 x 26 AWG 1.0 Amps @ 24V (each pair)

NOTE: Do not pinch wires, or allow hinge to dangle from wires during installation. This may cause the hinge to malfunction.

### HINGE TEMPLATE

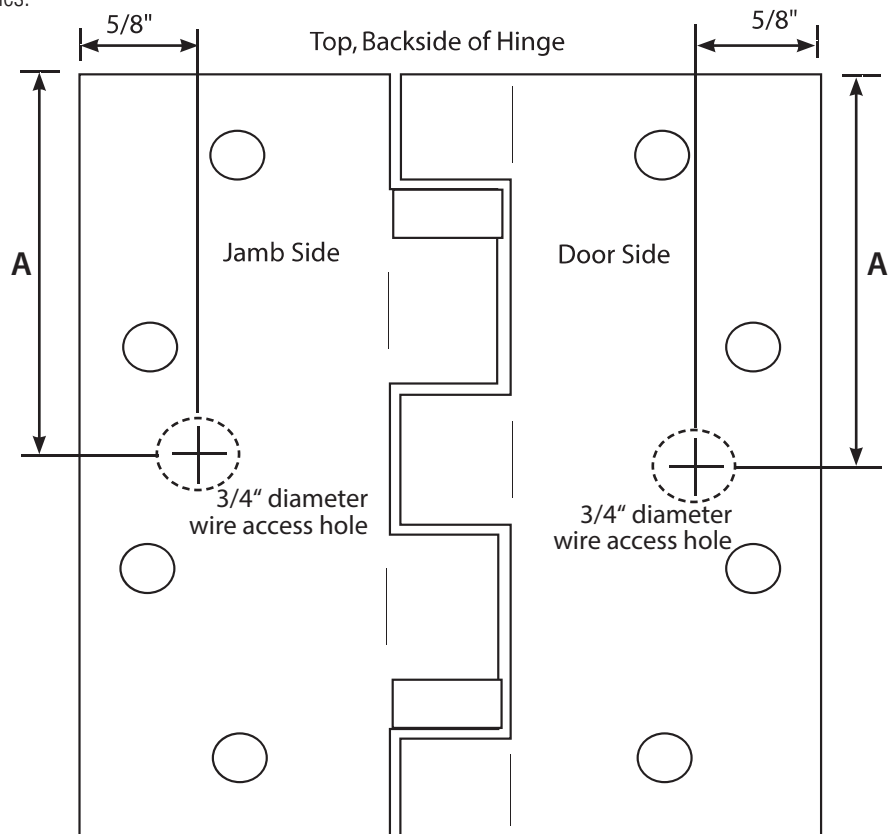


Illustration not to scale.

Hinge Size	RCI Part #	Dimension A
4" x 4"	9520	2"
4-1/2" x 4"	9521	2-1/4"
4-1/2" x 4-1/2"	9522	2-1/4"
5" x 4-1/2"	9523	2-1/2"
5" x 5"	9524	2-1/2"

NOTE: Steel based hinges are for interior use only. Use stainless steel hinges for exterior installations.