INSTALLATIONS

9520/9521/9522/9523/9524

Electrified Hinges (Mortise Mount)

RUTHERFORD CONTROLS
A DORMA Group Company

In or Out... we make it Easy!®

These hinges are designed to pass low voltage power from a frame hinge jamb 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.

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 positioning the splice of the hinge wire and lock through wire.

NOTE: In fire rated conditions be sure to confirm the maximum starter hole diameter and depth with the authority having jurisdiction (AHJ).

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

FRAME PREPARATION:
Mark and drill hole to receive the wires from the hinge.

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

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

Hinge Template

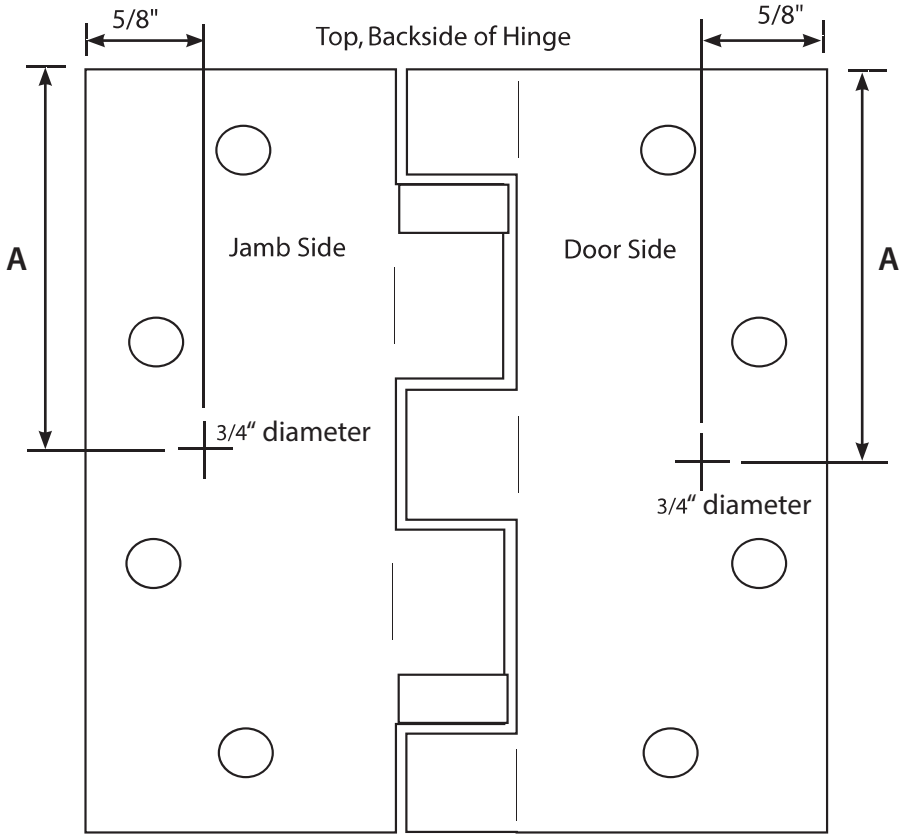

Illustration not to scale.

= wire access hole

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)

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"

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