

EL4 / EL8 Installation Instructions



Applications:

The EL4 / EL8 hinges are used to pass low voltage power and/or signalling from a door frame to the door in order to power locksets, exit devices and door monitoring devices such as door position switches, request-to-exit switches, etc. The quantity and required gauge of wire depends on the hardware being used and the general purpose of the application.

Door Preparation:

The wire chase should be drilled with a 3/8" drill bit at the 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 hinge wire (note #1).

Frame Preparation:

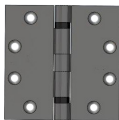
Mark and drill hole to receive the wires from the hinge (see note #1).

1. In fire rated conditions be sure to confirm the maximum starter hole diameter and depth with the appropriate testing agency.
2. Steel based hinges are for interior use only. Use stainless steel or brass based hinges for exterior installations
3. Be careful not to pinch wires when securing the hinge.
4. Do not allow the hinge to dangle by the wire during installation.

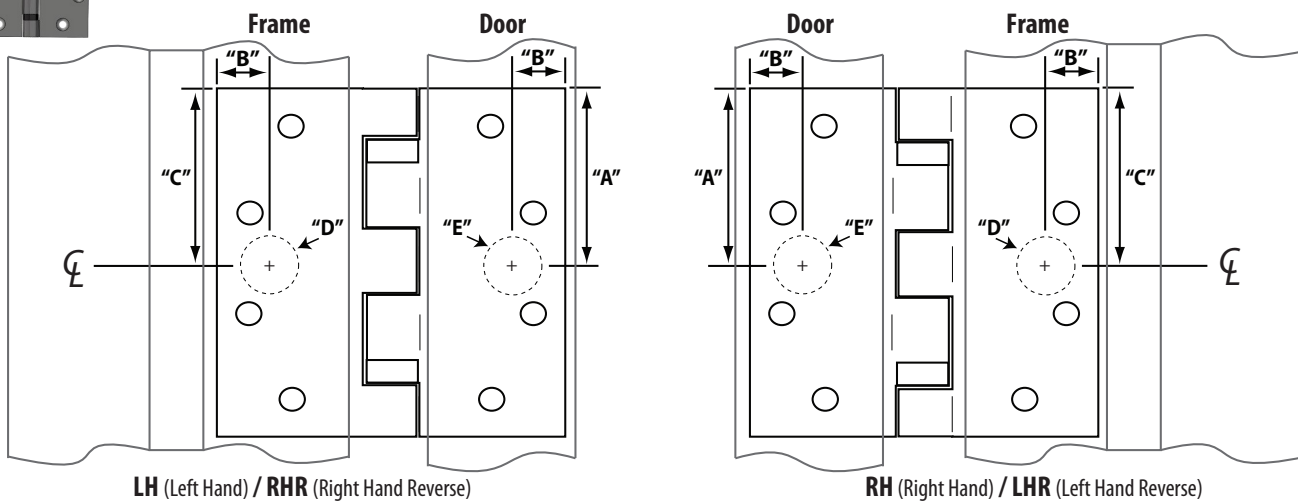
Electrical Specifications (Maximum Continuous rating):

Model	Wire Quantity	Wire Gauge	Continuous Amps @24VDC	Surge/Pair (.5 Sec) Amps @24VDC
EL4	2	20	5.0	16.0
	2	26	1.0	N/A
EL8	8	28	1.0	N/A

Hinge Template



5 Knuckle Standard Weight



A	B	C	D	E	Hinge Size in Inches
2"	5/8"	2"	7/8"	3/4"	4.0 x 4.0
2-1/4"	5/8"	2-1/4"	7/8"	3/4"	4.5 x 4.0; 4.5 x 4.5; 4.5 x 5.0; 4.5 x 6.0
2-1/2"	5/8"	2-1/2"	7/8"	3/4"	5.0 x 4.0; 5.0 x 4.5; 5.0 x 5.0; 5.0 x 6.0