

INSTALLATION INSTRUCTIONS

Effective date: June 19, 2025

Supersedes: All Previous

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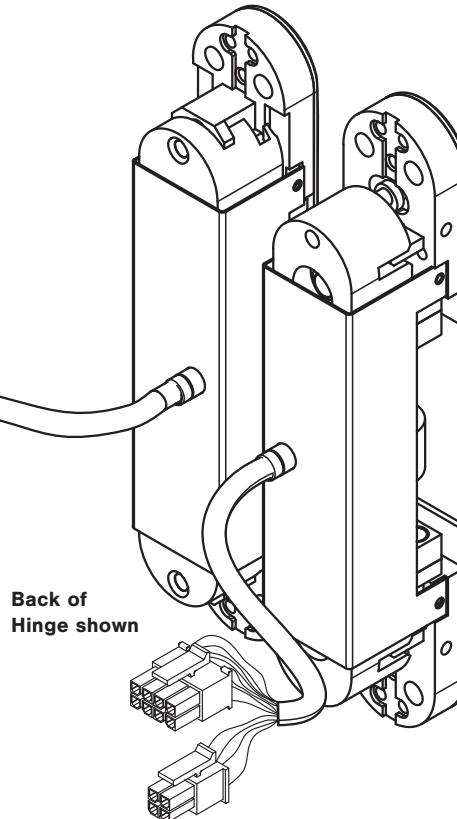
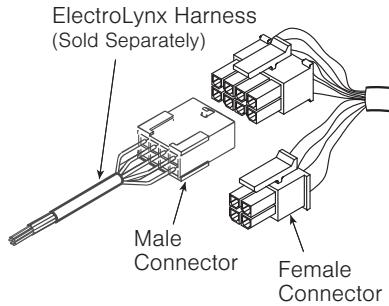
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NOT TO SCALE

MCKINNEY MK200ME CONCEALED HINGE 3D ADJUSTABLE WITH “QC” QUICK CONNECT

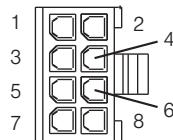
The McKinney “QC” Concealed Circuit Hinge is an intermediate connector which allows for the passage of a constant flow of current between the source of power and the actuated devices in the door, i.e. electric locks, exit devices, etc. regardless of the door position.

NOTE: For wood door applications, “P” style wiring harnesses with pins only are recommended to ensure better fit through door prep.

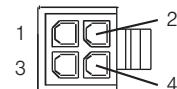


Conductor Wire Positions and Color Codes

Pin 1	Black
Pin 2	Red
Pin 3	White
Pin 4	Green
Pin 5	Orange
Pin 6	Blue
Pin 7	Brown
Pin 8	Yellow
Pins 1-9	Violet
Pins 2-10	Grey
Pins 3-11	Pink
Pins 4-12	Tan



Hinge 8 Pin Connector



Hinge 4 Pin Connector

WIRE SPECIFICATIONS:

28 Ga. stranded w/PTFE insulation, NEMA HP-3.

Each conductor is colored differently for ease of identification.

ELECTRICAL RATING:

2 amp continuous @ 24 volts AC or DC.

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NOTE: Door and frame should be prepared per McKinney MK200 Concealed Hinge Installation Instructions with alterations shown prior to installing "QC" hinge. Instructions can be downloaded from our website at McKinneyhinge.com.

LOCATION:

A minimum of (3) hinges are required when using a "QC" hinge. The "QC" hinge should be located closest to the middle of door.

INSTALLATION:

NOTE: Do not disassemble hinge. Serious damage will occur and void any warranty. Wire access holes must be burr free to avoid damaging wires. Before attaching any wires make sure that hinge will fit properly in mortise without any binding or pinching of wires.

1. Connect ElectroLynx Harness to building security wiring (provided by others) in middle hinge position on frame.
2. Connect Male Connector(s) from door to Female Connector(s) on hinge door leaf. Ensure wires are not pinched or damaged while inserting door hinge section into socket created in milling. Hinge should be flush against door edge surface.
3. Secure door hinge section with four (4) MS-0.8 x 20 mm metal screws or 35 mm Philips Head Wood Screws provided.
4. Connect Male Connector(s) from ElectroLynx Harness to Female Connector(s) on hinge frame leaf. Ensure wires are not pinched or damaged while inserting frame hinge section into socket created in milling. Hinge should be flush against frame edge surface.
5. Secure frame hinge section with four (4) MS-0.8 x 20 mm metal screws or 35 mm Philips Head Wood Screws provided.

Hinges	Door Width			
	32"	36"	42"	48"
2	487 lb	434 lb	373 lb	326 lb
3	548 lb	489 lb	419 lb	367 lb
4	609 lb	543 lb	466 lb	408 lb

For product, parts, templates, or technical assistance, please visit us at:
<http://www.mckinneyhinge.com/>

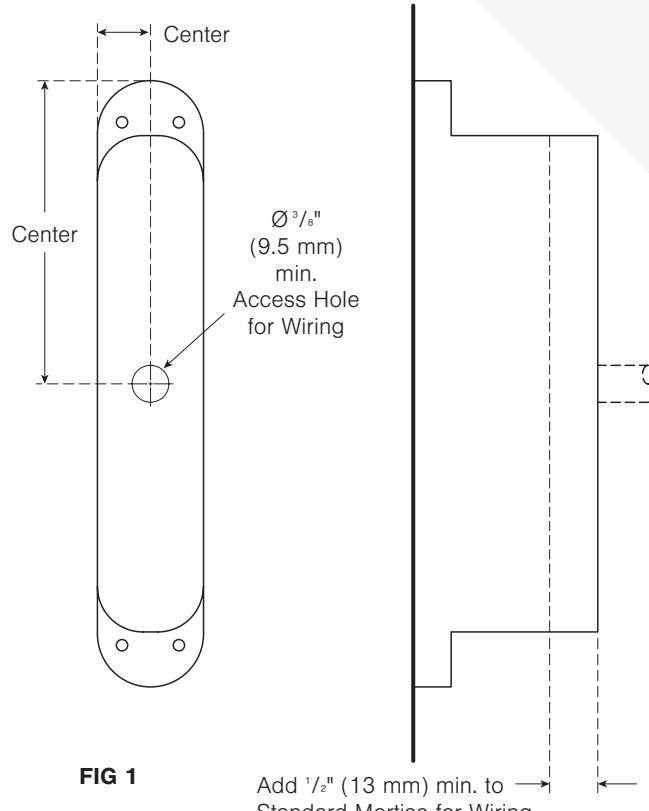


FIG 1

LOAD CAPACITY:

See chart for minimum number of hinges required based on correct adjustment (all hinges carrying load), door width and door weight.

Door height minimum is 80".

Door thickness minimum is 1 3/4".

Note: Hinge spacing does not effect load capacity. The first door should always be checked before preparing more doors, if any. When installing with a door closer, at least 3 hinges are required, and reduce maximum door weight in chart by 30%.

A minimum of 3 hinges are required when using an electrified hinge. The electrified hinge should be located closest to the middle of door.