

INSTALLATION INSTRUCTIONS

Effective date: March 21, 2023
Supercedes: All Previous

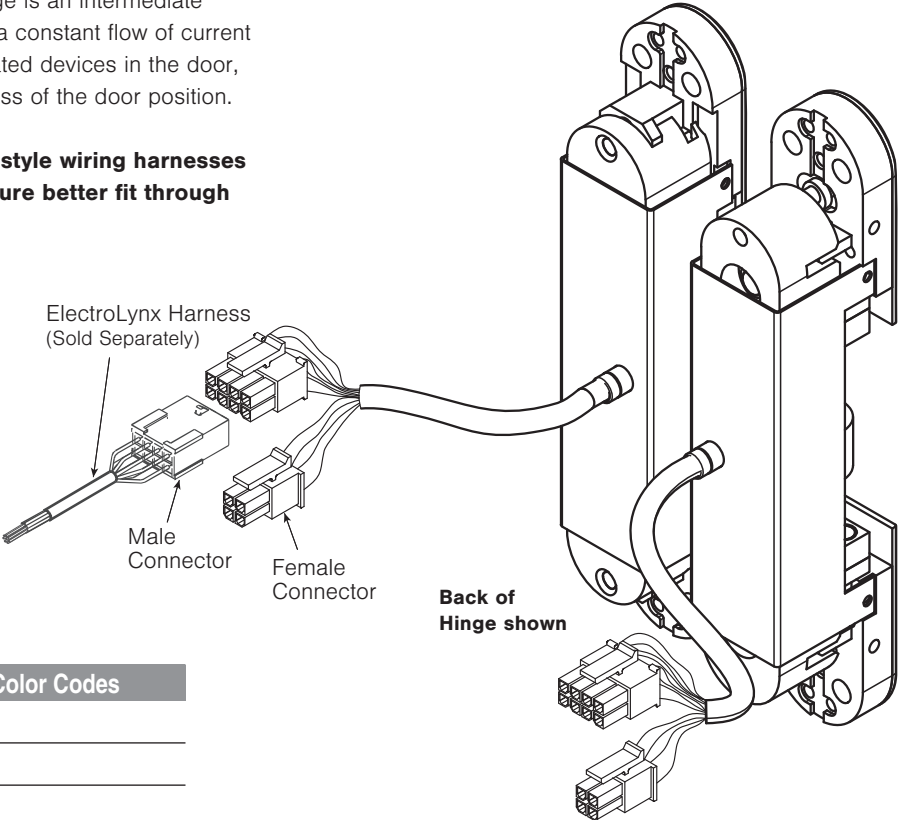
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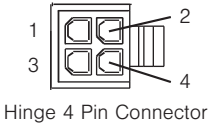
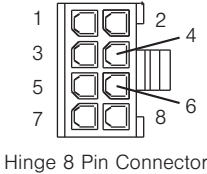
MCKINNEY MK100ME CONCEALED HINGE 3D ADJUSTABLE
WITH “QC” QUICK CONNECT

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



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 MK100 Concealed Hinge Installation Instructions with alterations shown prior to installing "QC" hinge. Instructions can be downloaded from our website at assaabloydooraccessories.us.

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	224 lb	220 lb	180 lb	165 lb
3	253 lb	246 lb	202 lb	185 lb
4	282 lb	275 lb	216 lb	198 lb

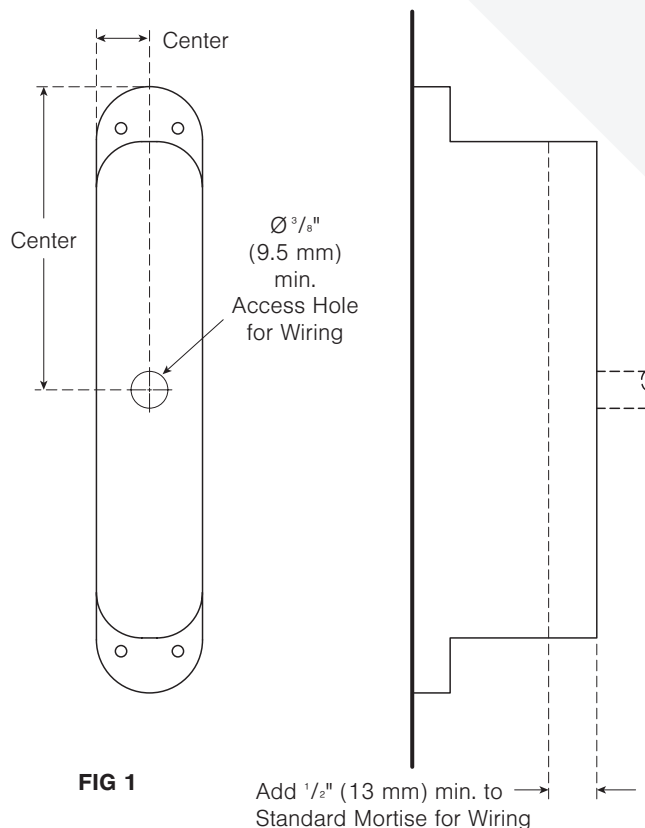


FIG 1

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 1³/₈".

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.

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