

ElectroLynx® Power over Ethernet (PoE) Hinge

The McKinney ElectroLynx® PoE Quick Connect hinge provides for the passing of Ethernet data through the door opening. Installation is a snap with the friendly “plug and play” connectors which allow power to be linked from the incoming source through the door to the electrified hardware. PoE data is bidirectional.



- Brass eyelets add protection and durability to the PoE hinge which features common wire colors coordinated to work with intelligent Power over Ethernet electromechanical hardware from SARGENT and Corbin Russwin
- The PoE hinge should be installed in the second from bottom hinge position on the door. Once installed, it will give no outward indication of its function and will transfer power and data efficiently and reliably, as long as the wire capacity is not exceeded
- All PoE hinges are factory tested and specially packaged to minimize damage during shipment. Installation instructions are packed with each hinge. Along with the PoE hinge, mating PoE door and frame side harnesses are required to complete the opening. The required PoE harnesses must be ordered separately
- Specify suffix PoE

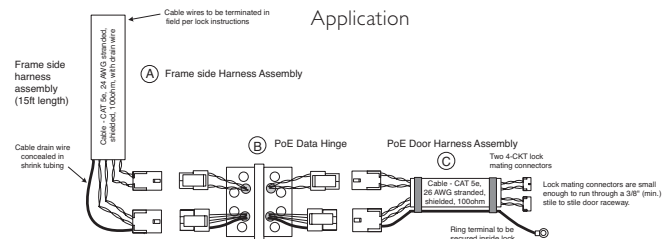
*Available on:

- 4-1/2" and 5" TA2314 & TA2714 Standard Weight 5 Knuckle
- 4-1/2" and 5" T4A3386 & T4A3786 Heavy Weight 5 Knuckle

PoE Option

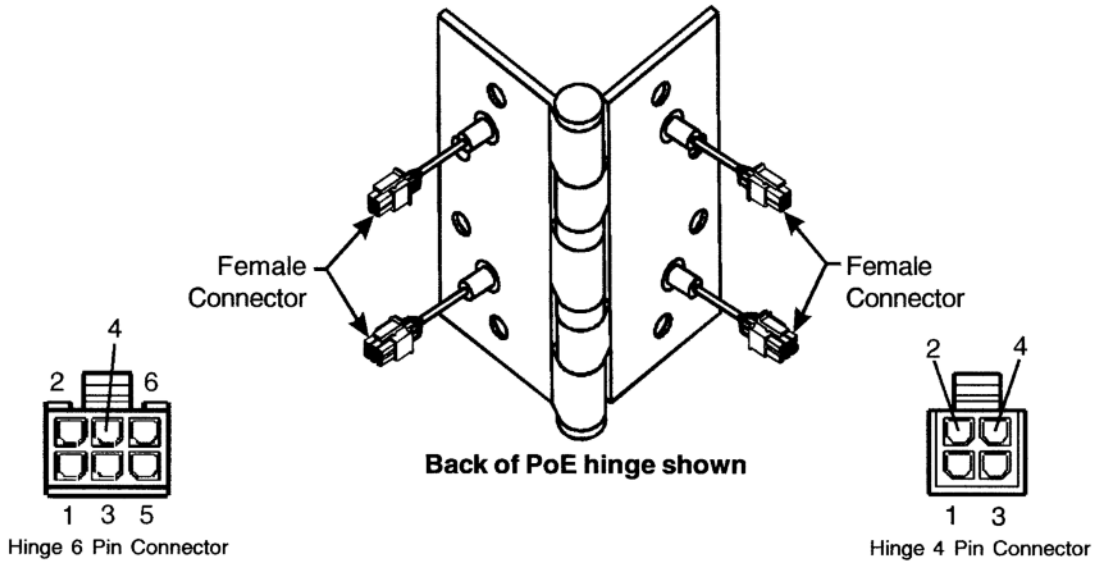


U.S. Patent No. 7,824,200



Harness Length	McKinney Catalog #	Door Side Application
30"	PoE-C206P	20" to 25" door width (doors with 3 butt hinges with PoE hinge in center to stile to stile raceway to lock prep).
36"	PoE-C300P	26" to 31" door width (doors with 3 butt hinges with PoE hinge in center to stile to stile raceway to lock prep).
42"	PoE-C306P	32" to 36" door width (doors with 3 butt hinges with PoE hinge in center to stile to stile raceway to lock prep).
48"	PoE-C400P	37" to 42" door width (doors with 3 butt hinges with PoE hinge in center to stile to stile raceway to lock prep).
54"	PoE-C406P	43" to 48" door width (doors with 3 butt hinges with PoE hinge in center to stile to stile raceway to lock prep).
60"	PoE-C500P	Door Harness Assembly
84"	PoE-C700P	Door Harness Assembly
156"	PoE-C1300P	Door Harness Assembly
EPT Harness		
360"	PoE-CEPT30	EPT Harness Assembly
Frame Side Application		
180"	PoE-C1500P	From the hinge location, up the jamb to wall/ceiling

“PoE” (Power over Ethernet)



Connector Color Codes

Connector Positions for wires									
6 CKT						4 CKT			
Pin # 1	Pin # 2	Pin # 3	Pin # 4	Pin # 5	Pin # 6	Pin # 1	Pin # 2	Pin # 3	Pin # 4
White/Blue	Blue	White/Brown	Brown		Green/Yellow	White/Orange	Orange	White/Green	Green

The McKINNEY “PoE” 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. PoE devices, etc. regardless of the door position.

NOTE: Door and frame should be prepared per the proper Hinge Template before beginning to assemble the “PoE” Hinge to them. Templates can be downloaded, if desired, from our website at www.mckinneyhinge.com.

WIRE SPECIFICATIONS:

- 2 twisted pairs (26 AWG)
- 4 straight conductor (28 AWG)
- 1 straight conductor (24 AWG)

ELECTRICAL RATING:

361 mA continuous @ 57 volts DC

LOCATION:

The “PoE” Hinge should be located in the second from the bottom hinge preparation on the door and frame.

INSTALLATION:

NOTE: Do not try to disassemble the 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 the hinge will fit properly in the mortise without any binding or pinching of wires.

Connect the **Harness Assembly(ies)** to the door frame side and door side in the second from the bottom hinge position on the frame.

Slide the **Male Connect(s)** on the **Harness Assembly(ies)** on to the **Female Connection(s)** on the hinge. Being careful not to damage any wires, push any excess wire and the connection(s) through the access hole(s) in the hinge reinforcing on the jamb into the mortar guard, which is attached to the frame. Attach the hinge leaf to the jamb using the screws provided.

Slide the **Female Connection(s)** into the **Male Connect(s)** located in the second from the bottom hinge preparation on the door. Being careful not to damage any wires, push any excess wire and the connection(s) through the access hole(s) in the hinge reinforcing on metal doors or into the pocket on wood doors or doors with cores. Attach the hinge leaf to the door using the screws provided.

