

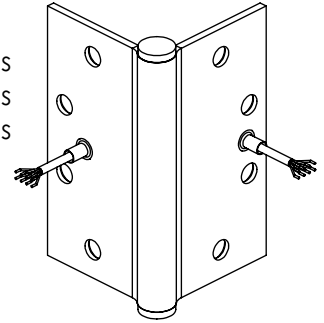


ELECTRIC HINGE INSTALLATION INSTRUCTIONS

CONCEALED ELECTRIC THROUGH-WIRE AND MONITOR

Model Descriptions:

1102:	2-22ga wires	1110:	3-26/28ga monitor wires
1102x4:	2-22ga wires, 4-26/28ga wires	1114:	4-26/28ga wires, 3-26/28ga monitor wires
1104:	4-26/28ga wires	1116:	6-26/28ga wires, 3-26/28ga monitor wires
1106:	6-26/28ga wires	1118:	8-26/28ga wires, 3-26/28ga monitor wires
1108:	8-26/28ga wires	1110-10:	10-28ga wires, 3-26/28ga monitor wires
1100-10:	10-26/28ga wires		
1100-12:	12-26/28ga wires		
1182:	2-18ga wires		
1182x4:	2-18ga wires, 4-26/28ga wires		
1182x6:	2-18ga wires, 6-28ga wires		



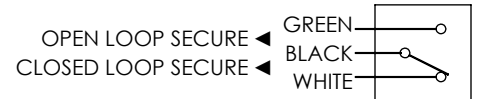
Electrical Specifications:

- 22ga, 26ga, and 28ga through-wire rated:
 - 3.5A continuous @ 50VAC/DC
 - 16A pulse for 400msec, 10sec min off-time between pulses
- 18ga through-wire rated:
 - 10A continuous @ 50VAC/DC
 - 20A inrush for 4sec, 10sec min off-time between pulses
- Monitor Switch contacts rated: 0.5A @ 30VDC

Optional Connectors:

- ASSA Electrolynx
- Allegion Connect
- Hager Quick Connect

Monitor Switch



Notes:

- Steel hinges are for interior use only.
- Brass and stainless steel hinges are for interior or exterior use.
- Do not disassemble the hinge as it will damage the hinge and void the warranty.
- Monitor and through-wire hinges are non-load bearing and must be mounted in the center position.
- All concealed monitor hinges are pre-adjusted at the factory for 3/16"-3/8" gap between the hinge leaves. The switch contacts should change state before the door opens 2" from the frame on the latch side.

Door and Frame Preparation:

- Install a 7" mortar guard (part# 302-03-03, sold separately) in the electric hinge position on mortar filled frames or void the warranty.
- Door and frame must be prepared in accordance with the model's hinge template.
- Wire access holes must be free of burrs.
- Verify the hinge fits freely in the door and frame preparation before beginning installation.

Installation:

- Hang the door on the top and bottom hinges first (load bearing, non-electrical hinges).
- Extract the interior wiring from the prepared holes in the door and frame.
- Terminate the wire connections with appropriate crimp splices or wire nuts.
 - **Do not hang the hinge by wires during installation or serious damage may occur.**
- Insulate all ends of unused wires.
- After all terminations are completed, carefully insert the wires into the prepared holes making sure they will not be cut or pinched as the hinge is installed.

Monitor Switch Hinge Gap Adjustment:

- Swing the hinge from the frame preparation to expose the brass switch enclosure.
- Using a small standard blade screwdriver, turn the adjustment screw clockwise in 1/2 turn increments to increase the gap, checking the gap between the hinge leaves each time, until the desired gap is achieved.

Consult the factory if the desired gap is not achieved in 2 full turns.

- Re-install the hinge into the frame preparation.

