Installation Instructions for
ELE/ELELR Models

Applications:
The Energy Transfer Hinges are used to pass low voltage power from the hinge jamb to the lockset without having any exposed wires. These hinges are commonly used with electric mortise and cylindrical locks, electric strikes (when on pair of doors), electric exit trims, latch pullback devices, door mounted card readers and low voltage door lights. 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 ELE/ELELR hinge should always be positioned as one of the center hinges on the door, since the modified hinge no longer meets manufaturer's load bearing specifications. A starter hole of 3/4" diameter x 1-1/2" deep is recommended for positioning the hinge wire (see note #1).

Frame Preparation:
Mark and drill hole to receive the wires from the ELE/ELELR hinge (see note #1).

Warnings:
1. Be careful not to pinch wires when securing the hinge.
2. Do not allow the hinge to dangle by the wire during installation.

Notes:
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 base hinges for exterior installations

Electrical Specifications (Maximum Continuous rating):

ENERGY TRANSFER HINGES FOR CYLINDRICAL LOCKS, MORTISE LOCKS AND PANIC TRIMS

Prefix **ELE** + (**No. of wires**) before **HINGE ITEM #.** ***(Example: ELE4BB55)***

ELE4: 4 Wires - 26 gauge - 1A@24V (per pair)
ELE6: 6 Wires - 28 gauge - 1A@24V (per pair)
ELE8: 8 Wires - 28 gauge - 1A@24V (per pair)
ELE12: 12 Wires - 28 gauge - 1A@24V (per pair)

ENERGY TRANSFER HINGES FOR ELECTRIFIED PANIC BAR (ELR)

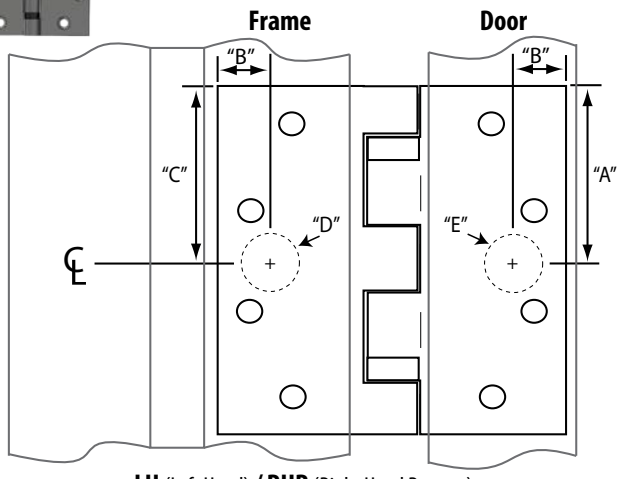
Prefix **ELELR** + (**No. of wires**) before **HINGE ITEM #.** ***(Example: ELELR4BB55)***

ELELR4: 2 Wire -18 gauge, 5A (16A in-rush for 300 ms.) + **2 Wire** -26 gauge - 1A
ELELR6: 2 Wire -18 gauge, 5A (16A in-rush for 300 ms.) + **4 Wire** -28 gauge - 1A
ELELR8: 2 Wire -18 gauge, 5A (16A in-rush for 300 ms.) + **6 Wire** -28 gauge - 1A
ELELR12: 2 Wire -18 gauge, 5A (16A in-rush for 300 ms.) + **10 Wire** -28 gauge - 1A

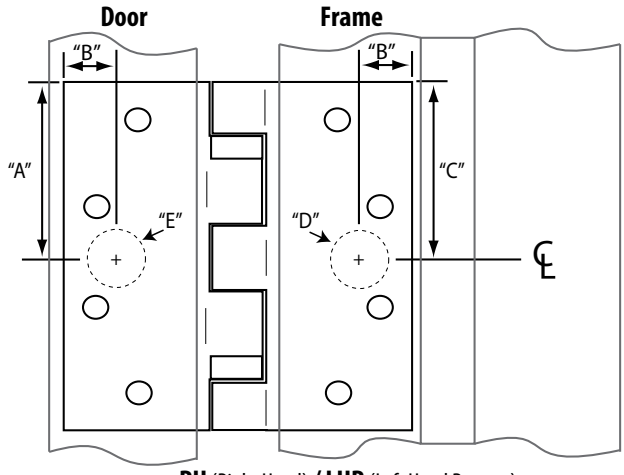
Note: Each 18 AWG wire is rated 24 Volts AC/DC at 5 amps max. continuous, or 16 amps max. current within 300 msec. minimum "off" time between pulses for 10 seconds

Hinge Template

5 Knuckle Standard Weight

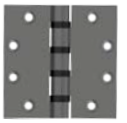


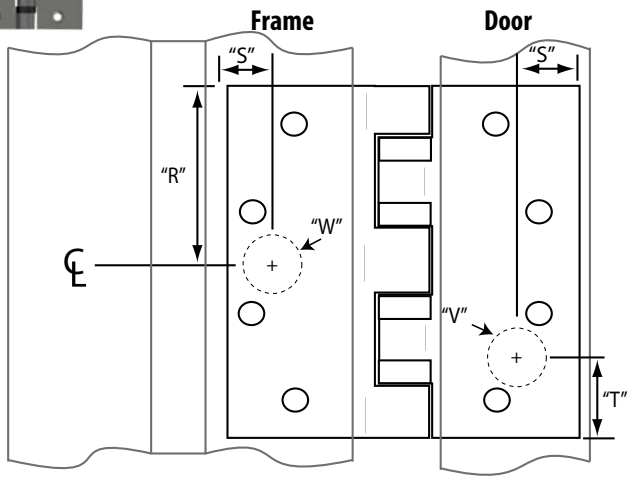
LH (Left Hand) / **RHR** (Right Hand Reverse)



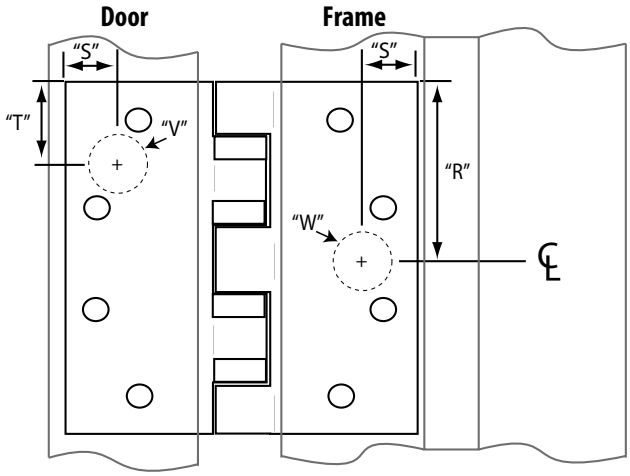
RH (Right Hand) / **LHR** (Left Hand Reverse)

5 Knuckle Heavy Weight





LH (Left Hand) / **RHR** (Right Hand Reverse)



RH (Right Hand) / **LHR** (Left Hand Reverse)

5 Knuckle Standard Weight						Hinge Size	5 Knuckle Heavy Weight					
Model	A	B	C	E	D		Model	R	S	T	V	W
BBSC56	2"	5/8"	2"	3/4"	7/8"	4" x 4"	-	-	-	-	-	-
BB454	2-1/4"	5/8"	2-1/4"	3/4"	7/8"	4-1/2" x 4"	BB52454	2-1/4"	5/8"	1-1/16"	3/4"	7/8"
BB31	2-1/4"	5/8"	2-1/4"	3/4"	7/8"	4-1/2" x 4-1/2"	BB5200	2-1/4"	5/8"	1-1/16"	3/4"	7/8"
BB455	2-1/4"	5/8"	2-1/4"	3/4"	7/8"	4-1/2" x 5"	BB52455	2-1/4"	5/8"	1-1/16"	3/4"	7/8"
BB456	2-1/4"	5/8"	2-1/4"	3/4"	7/8"	4-1/2" x 6"	BB52456	2-1/4"	5/8"	1-1/16"	3/4"	7/8"
BB54	2-1/2"	5/8"	2-1/2"	3/4"	7/8"	5" x 4"	B5254	2-1/2"	5/8"	1-1/8"	3/4"	7/8"
BB545	2-1/2"	5/8"	2-1/2"	3/4"	7/8"	5" x 4-1/2"	BB5210	2-1/2"	5/8"	1-1/8"	3/4"	7/8"
BB55	2-1/2"	5/8"	2-1/2"	3/4"	7/8"	5" x 5"	BB5500	2-1/2"	5/8"	1-1/8"	3/4"	7/8"
BB56	2-1/2"	5/8"	2-1/2"	3/4"	7/8"	5" x 6"	BB5600	2-1/2"	5/8"	1-1/8"	3/4"	7/8"

Note: All hinges are subject to minimum order quantity. Other sizes available upon request with factory lead time.