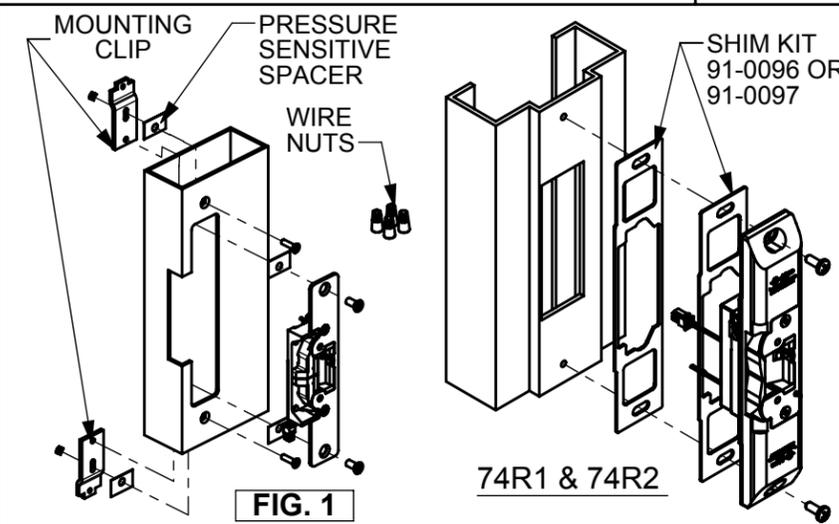


**INSTALLATION INSTRUCTIONS** (SEE FIG. 1)

1. PREPARE DOOR JAMB/STILE PER DRAWING.
2. INSTALL MOUNTING CLIPS TO JAMB/STILE USING 8-32 X 3/8 SCREWS & PRESSED METAL NUTS. LEAVE SCREWS SLIGHTLY LOOSE TO PERMIT EASY ALIGNMENT OF CASE ASSEMBLY & CLIPS.
3. SPACERS ARE PROVIDED TO ASSURE FLUSH FINAL ASSEMBLY OF FACE PLATE & JAMB/STILE. ADD ONE OR MORE SPACERS BETWEEN JAMB/STILE & MOUNTING CLIP WHEN FACE PLATE EXTENDS BEYOND THE JAMB/STILE. WHEN THE FACE PLATE SETS INSIDE THE JAMB/STILE, SPACERS MUST BE ADDED BETWEEN THE MOUNTING CLIP & THE ELECTRIC STRIKE FACE PLATE. SEE FIG. 1 TO ATTACH SPACER TO MOUNTING CLIP. REMOVE PROTECTIVE COATING FROM SPACER & PRESS TO DESIRED MOUNTING CLIP SURFACE. MAKE SURE CLEARANCE HOLE IN SPACER ALIGNS WITH HOLE IN MOUNTING CLIP.
4. ATTACH SUBCOVER AND FACE PLATE TO THE CASE ASSEMBLY USING TWO 8-32 X 1/4 SCREWS.
5. USING WIRE NUTS PROVIDED, CONNECT WIRES COMING FROM THE STRIKE TO THE WIRES COMING FROM THE LOW VOLTAGE SIDE OF THE TRANSFORMER.
6. INSERT ELECTRIC STRIKE INTO JAMB AND ATTACH TO THE CLIPS USING TWO #12 COMBINATION SCREWS.
7. SECURE 8-32 MOUNTING CLIP SCREWS HOLDING MOUNTING TO JAMB.

STATIC STRENGTH	DYNAMIC STRENGTH	PRELOAD	ENDURANCE
1500 LBS	70 FT-LB FORCE	25 LBS	500,000 CYCLES



**7400 ALUMINUM DOOR JAMBS**

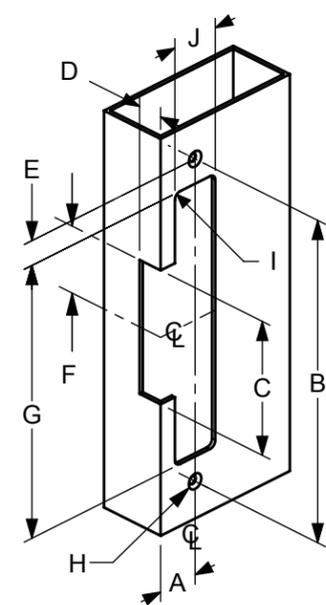
MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
DOOR CENTERLINE TO JAMB EDGE		
A	6 1/8	6.125
B	3 3/8	3.375
C	21/32	.656
D	5/8	.625
E	1 11/16	1.688
F	4 7/8	4.875
G	8-32	
H	5/32	.156
I	1 1/4	1.250

**7410 ALUMINUM JAMBS**

MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
DOOR CENTERLINE TO JAMB EDGE		
A	9 3/16	9.1875
B	3 3/8	3.375
C	21/32	.656
D	5/8	.625
E	1 11/16	1.688
F	7 31/32	7.969
G	12-24	
H	5/32	.156
I	1 7/16	1.4375

**7430 ALUMINUM DOOR JAMBS**

MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
DOOR CENTERLINE TO JAMB EDGE		
A	8 1/8	8.125
B	3 3/8	3.375
C	21/32	.651
D	5/8	.625
E	1 11/16	1.688
F	6 7/8	6.875
G	5/32	.156
H	1 1/4	1.250

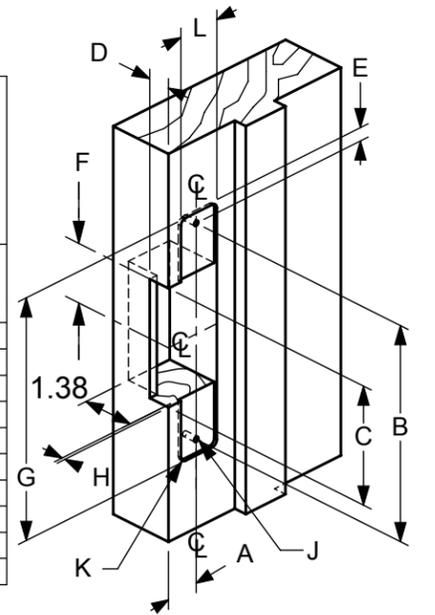


**7410 WOOD JAMBS**

MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
DOOR CENTERLINE TO JAMB EDGE		
A	7 7/16	7.4375
B	3 3/8	3.375
C	21/32	.656
D	1/4	.250
E	1 7/16	1.4375
F	7 15/16	7.9375
G	3/32	.09375
H	12-24	
I	5/32	.156
J	1 7/16	1.4375

**7411 WOOD JAMBS**

MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
DOOR CENTERLINE TO JAMB EDGE		
A	9 29/64	9.453
B	3 3/8	3.375
C	21/32	.656
D	3/8	.375
E	1 11/16	1.688
F	10 1/4	10.250
G	1/8	.125
H	5/32	.156
I	1 7/16	1.4375

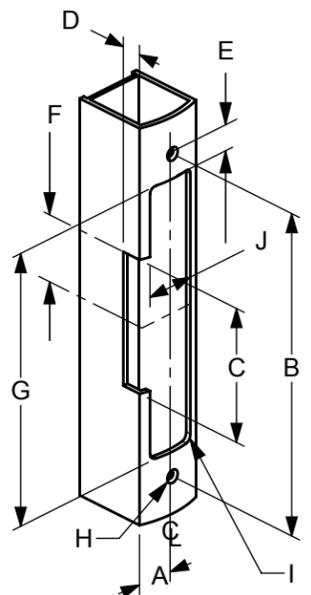


**7401 ALUMINUM STILE**

MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
DOOR CENTERLINE TO JAMB EDGE		
A	6 1/8	6.125
B	3 3/8	3.375
C	21/32	.656
D	5/8	.625
E	1 11/16	1.6875
F	4 7/8	4.875
G	8-32	
H	5/32	.156
I	1 1/4	1.25

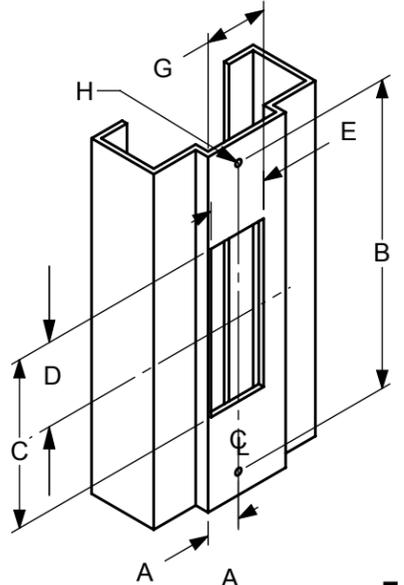
**7431 ALUMINUM STILE**

MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
DOOR CENTERLINE TO JAMB EDGE		
A	8 1/8	8.125
B	3 3/8	3.375
C	21/32	.656
D	5/8	.625
E	1 11/16	1.6875
F	6 7/8	6.875
G	8-32	
H	5/32	.156
I	1 1/4	1.25



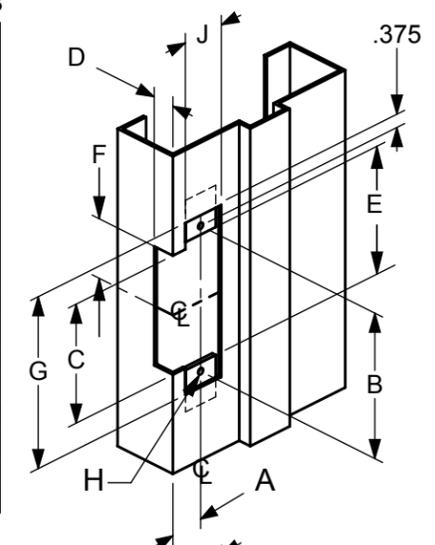
**74R1 STRIKE**

MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
A	15/16	.9375
B	8 1/4	8.250
C	4 1/2	4.500
D	2 1/4	2.250
E	1 5/8	1.625
G	1 23/32	1.719
H	Ø 3/16	



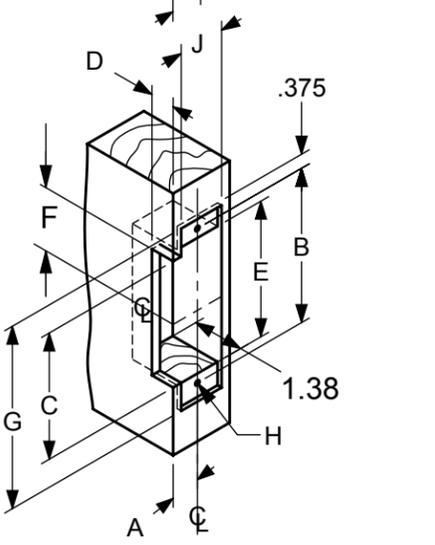
**7440 METAL JAMB**

MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
DOOR CENTERLINE TO JAMB EDGE		
A	4 1/8	4.125
B	3 3/8	3.375
C	21/32	.656
D	3 5/8	3.625
E	1 11/16	1.6875
F	4 7/8	4.875
G	8-32	
H	1 1/4	1.25



**7440 WOOD DOOR\***

MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
DOOR CENTERLINE TO JAMB EDGE		
A	4 1/8	4.125
B	3 3/8	3.375
C	1 23/32	1.718
D	3 5/8	3.625
E	1 11/16	1.6875
F	4 7/8	4.875
G	8-32	
H	1 1/4	1.25



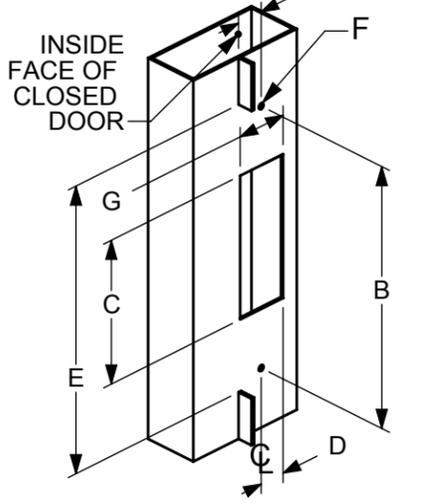
**FOR EXTENDED LIP: (DIM "A" DOOR TO JAMB EDGE)**

DASH NO.	DIM "A"	DASH NO.	DIM "A"
NONE	1.06	-08	2.38
-01	1.50	-09	2.50
-02	1.63	-10	2.63
-03	1.75	-11	2.75
-04	1.88	-12	2.88
-05	2.00	-13	3.00
-06	2.13		
-07	2.25		

**PRODUCT MUST BE INSTALLED ACCORDING TO ALL APPLICABLE BUILDING AND LIFE SAFETY CODES**

**74R2 METAL JAMB**

MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
A	7/8	.875
B	8 1/4	8.25
C	4 1/2	4.50
D	21/32	.656
E	9 1/16	9.063
F	8-32	
G	1 5/8	1.625



\* REQUIRES WDC7400

**NOTES:**

**FAIL-SECURE OPERATION ( AS SHIPPED)**  
UNLOCKS WHEN ENERGIZED. IF POWER FAILS, THE STRIKE REMAINS IN LOCKED POSITION.

**FAIL-SAFE OPERATION (FIELD SELECTABLE)**  
LOCKS WHEN ENERGIZED. USED IN APPLICATIONS REQUIRING AUTOMATIC UNLOCKING IN CASE OF POWER FAILURE.

**AVAILABLE VOLTAGES**  
12V DC CONTINUOUS DUTY,  
\*16V DC CONTINUOUS DUTY,  
24V DC CONTINUOUS DUTY.

(\* REQUIRES 16 VOLT ADAPTOR )

**WIRING**

THE NUMBER OF WIRES WILL VARY DEPENDING ON FEATURES OF THE STRIKE. THE VOLTAGE AND AMPERAGE RATINGS ARE MARKED ON ALL STRIKE LABELS. THE SOLENOID WIRES ARE NOT POLARIZED.

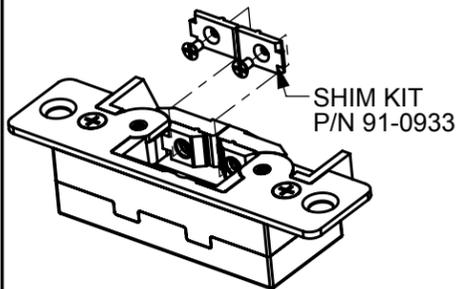
**MONITORING (OPTIONAL)**

MONITORED STRIKES CONTAIN TWO, INTERNALLY MOUNTED, SWITCHES: ONE IS ACTIVATED BY THE LATCH BOLT'S PENETRATION OF THE STRIKE AND THE OTHER INDICATES THE ENERGIZED LOCK/UNLOCKED STATUS OF THE SOLENOID.

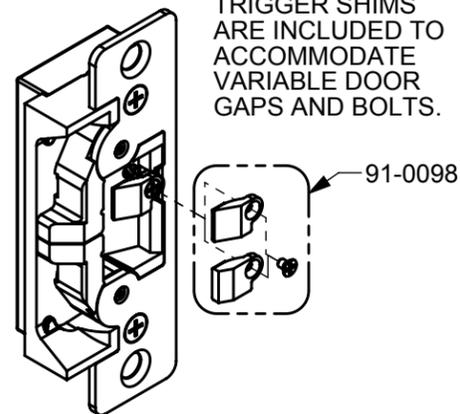
ALL UNUSED LEADS FROM MONITOR SWITCHES SHOULD BE INSULATED.

- COMMON CONTACT - BLACK
- NORMALLY OPEN CONTACT (NO) - WHITE
- NORMALLY CLOSED CONTACT (NC) - RED
- MAXIMUM SWITCHING CURRENT - 500 mA @ 30 VDC

SHIM PLATES ARE PRE-INSTALLED AT THE FACTORY. A THINNER SET OF SHIMS IS ALSO INCLUDED. IF NECESSARY, THE SHIMS CAN BE REMOVED ALTOGETHER TO CORRECT MISALIGNMENTS BETWEEN STRIKE AND LATCH.

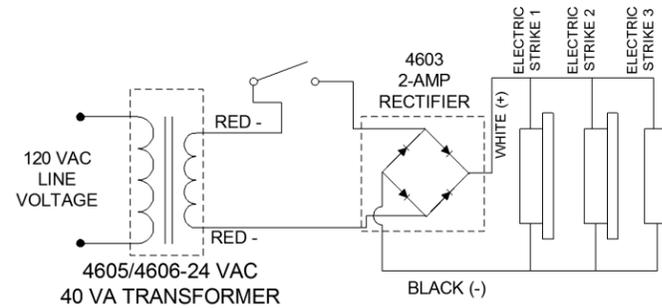


**MONITORED VERSION ONLY**



CURRENT DRAW	
VOLTS	mA
12 DC	440
24 DC	230
16 DC	458

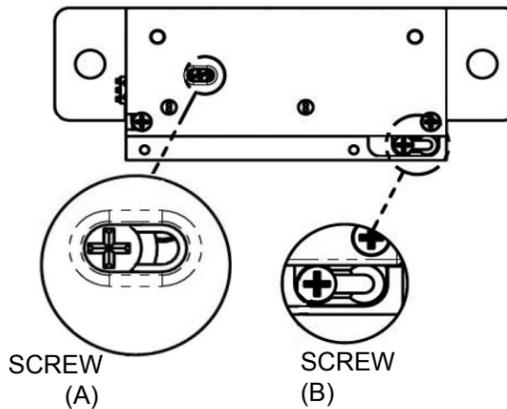
Control Switch (N.O.)  
(ex. Pushbutton, keypad, Card Reader) **DRY CONTACTS!**



**TYPICAL ELECTRIC STRIKE WIRING DIAGRAM**  
INTERMITTENT/CONTINUOUS DUTY 24 VDC

**FIELD REVERSIBLE (FAIL-SECURE) TO FAIL-SAFE**

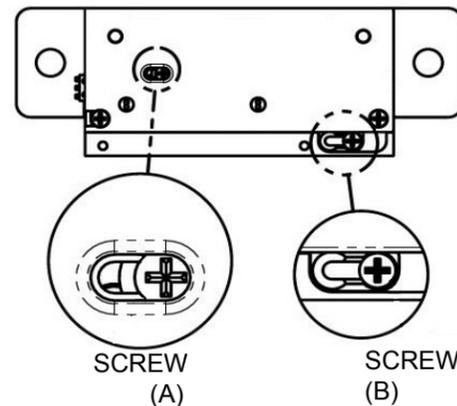
**FAIL-SAFE CONFIGURATION**



- FAIL-SECURE TO FAIL-SAFE**
- STEP 1** LOOSEN SCREW (A) (2 TURNS ONLY!)  
SHIFT TO LEFT & TIGHTEN.
- STEP 2** LOOSEN SCREW (B) (2 TURNS ONLY!)  
SHIFT LOWER PLATE TO RIGHT & TIGHTEN.

**FIELD REVERSIBLE (FAIL-SAFE) TO FAIL-SECURE**

**FAIL-SECURE CONFIGURATION**

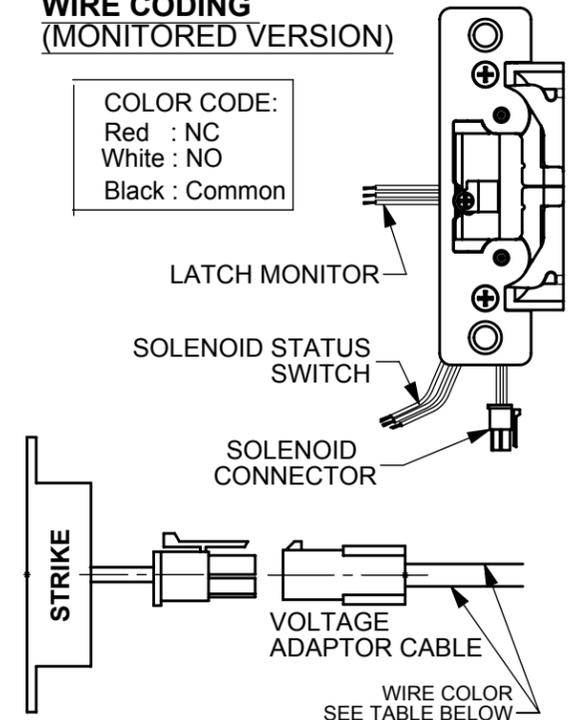


- FAIL-SAFE TO FAIL-SECURE**
- STEP 1** LOOSEN SCREW (B) (2 TURNS ONLY!)  
SHIFT LOWER PLATE TO LEFT & TIGHTEN.
- STEP 2** LOOSEN SCREW (A) (2 TURNS ONLY!)  
SHIFT TO RIGHT & TIGHTEN.

**PRODUCT MUST BE INSTALLED**  
**ACCORDING TO ALL APPLICABLE**  
**BUILDING AND LIFE SAFETY CODES**

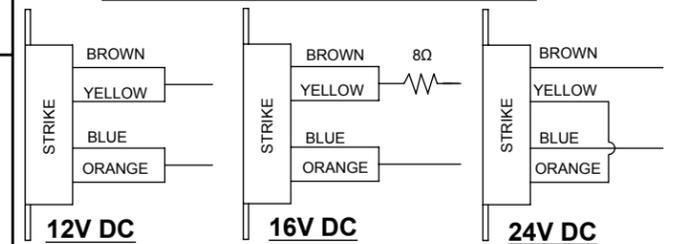
**WIRE CODING**  
(MONITORED VERSION)

COLOR CODE:  
Red : NC  
White : NO  
Black : Common



VOLTAGE ADAPTOR CABLE		
PART NO.	WIRE COLOR	APPLICATION
VA7400-12	BLACK	12VDC
VA7400-24	RED	24VDC
VA7400-16VDC (OPTIONAL KIT)	WHITE	16VDC

**SOLENOID WIRING DIAGRAM**



**FOR WOOD DOOR APPLICATIONS**

THE SPACER IS DESIGNED TO SIMPLIFY MORTISING ON WOOD DOOR APPLICATIONS

