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 DETAIL "A" 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	ENDURANCE
1500 LBS.	70 FT-LB FORCE	500,000 CYCLES

7400 ALUMINUM DOOR JAMBS

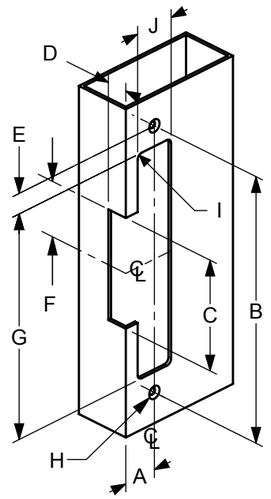
MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
A	DOOR CENTERLINE TO JAMB EDGE	
B	6 1/8	6.125
C	3 3/8	3.375
D	21/32	.656
E	5/8	.625
F	1 11/16	1.688
G	4 7/8	4.875
H	8-32	
I	5/32	.156
J	1 1/4	1.250

7410 ALUMINUM JAMBS

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

7430 ALUMINUM DOOR JAMBS

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

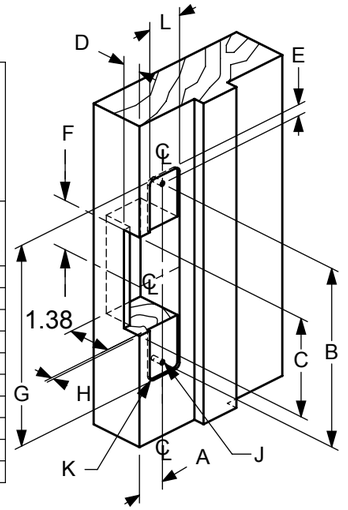


7410 WOOD JAMBS

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

7411 WOOD JAMBS

MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
A	DOOR CENTERLINE TO JAMB EDGE	
B	9 29/64	9.453
C	3 3/8	3.375
D	21/32	.656
E	3/8	.375
F	1 11/16	1.688
G	10 1/4	10.250
H	1/8	.125
J	12-24	
K	5/32	.156
L	1 7/16	1.4375

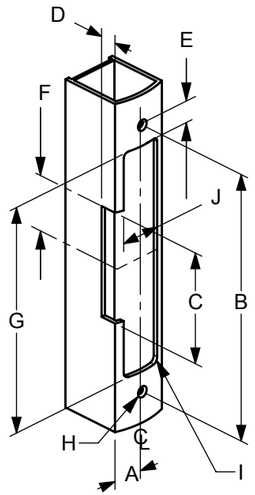


7401 ALUMINUM STILE

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

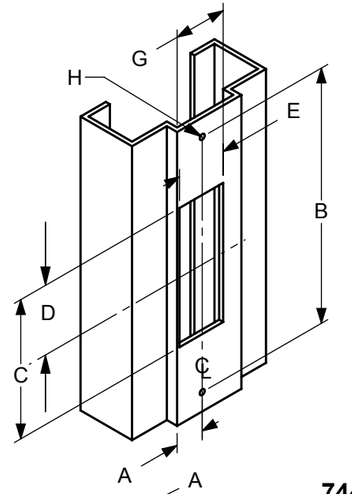
7431 ALUMINUM STILE

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



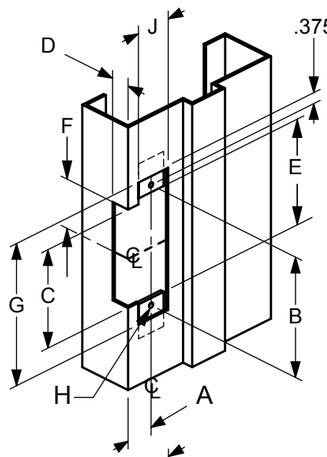
74R1 STRIKE

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



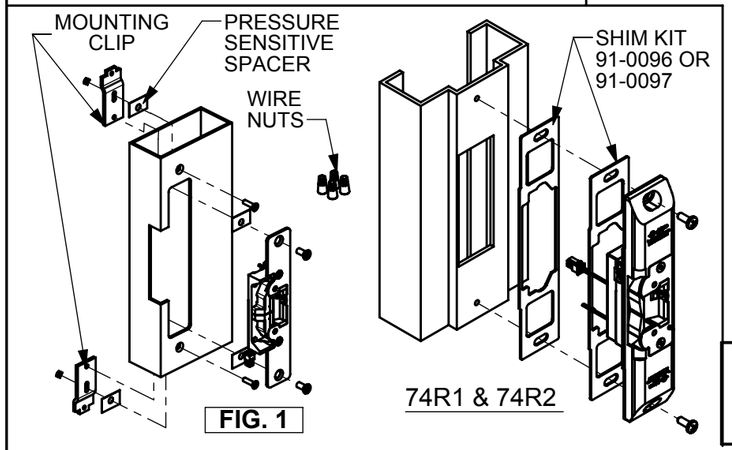


FIG. 1

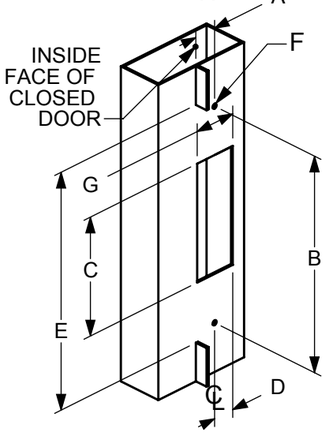
74R1 & 74R2

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

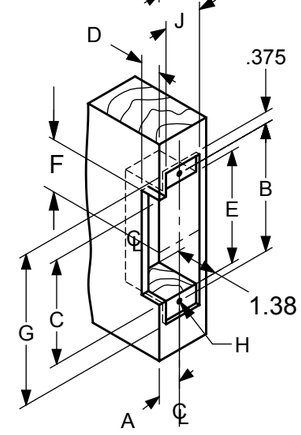
MEASUREMENT	FRACTIONAL INCHES	DECIMAL INCHES
A	7/8	.875
B	8 1/4	8.25
C	4 1/2	4.50
D	21/32	.656
E	9 1/16	9.063
F	8-32	
G	1 5/8	1.625



7440 WOOD DOOR*

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

* REQUIRES WDC7400



Adams Rite
ASSA ABLOY
www.adamsrite.com
Phone: 800-626-7590
800-872-3267
Fax: 866-582-4641
800-232-7329

NOTES:

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

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

CURRENT DRAW	
VOLTS	AMPS
12 VDC	.440
12 AC	.163
24 DC	.230
24 AC	.084
16 DC	.458
16 AC	.228

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

(* REQUIRES 16 VOLT ADAPTOR)

WARNING!
AC INTERMITTENT DUTY SOLENOIDS ARE DESIGNED TO BE ENERGIZED 30 SECONDS AT A TIME MAXIMUM. ENERGIZING FOR LONGER PERIODS WILL DAMAGE THESOLENOID

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)

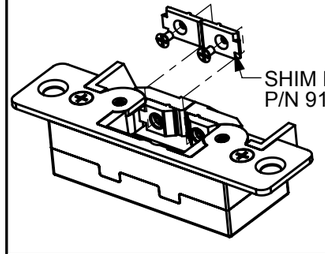
MONITORED STRIKES CONTAIN TWO, INTERNALLY MOUNTED, SWITCHES: ONE IS ACTIVATED BY THE LATCH BOLT'S PENETRATION OF THE STRIKE AND THE OTHER INDICATES THE ENERGIZED LOCK/UNLOCKED STATUS OF THE SOLENOID.

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 - 5 AMPS @ 250 VAC

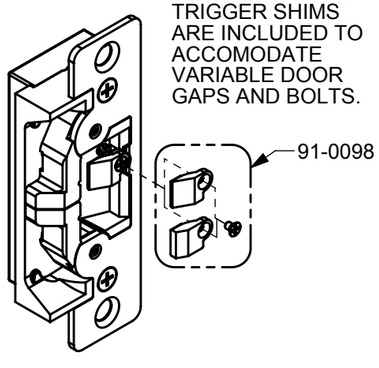
WARNING!
INTERMITTENT DUTY SOLENOIDS SHOULD NOT BE CONVERTED TO FAIL-SAFE CONFIGURATION. FAIL SAFE UNITS SHOULD ONLY BE OPERATED WITH DC POWER

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



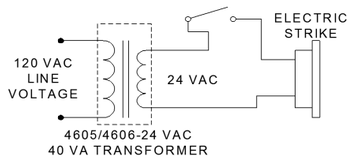
MONITORED VERSION ONLY

TWO ADDITIONAL TRIGGER SHIMS ARE INCLUDED TO ACCOMODATE VARIABLE DOOR GAPS AND BOLTS.



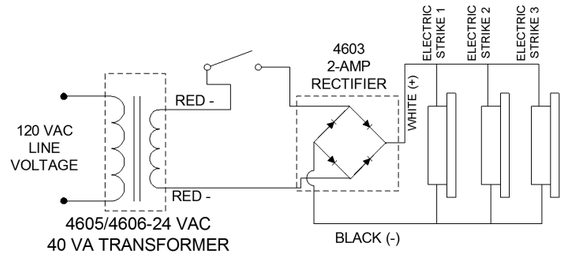
Control Switch (N.O.)
(ex. Pushbutton, keypad,Card Reader)

DRY CONTACTS!



TYPICAL ELECTRIC STRIKE WIRING DIAGRAM INTERMITTENT DUTY FAIL-SECURE 24 VAC

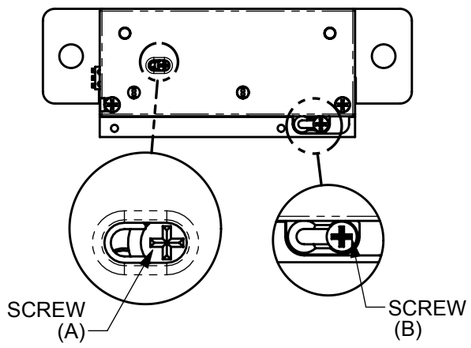
Control Switch (N.O.)
(ex. Pushbutton, keypad, Card Reader) **DRY CONTACTS!**



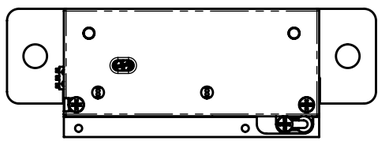
TYPICAL ELECTRIC STRIKE WIRING DIAGRAM INTERMITTENT/CONTINUOUS DUTY 24 VDC

FIELD REVERSIBLE (FAIL SECURE) TO FAIL SAFE

FAIL SECURE CONFIGURATION



FAIL SAFE



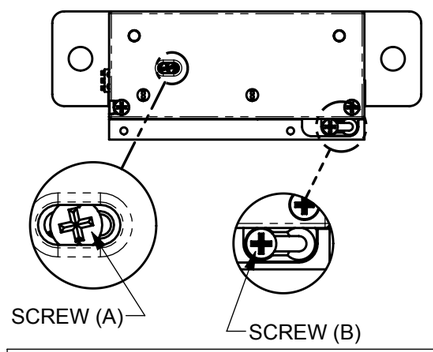
FAIL SECURE TO FAIL SAFE

STEP 1 LOOSEN SCREW (A) APPROXIMATELY 2 ROTATIONS, SLIDE SCREW TO THE LEFT AND TIGHTEN.

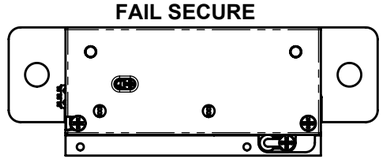
STEP 2 LOOSEN SCREW (B) APPROXIMATELY 2 ROTATIONS, MOVE THE SLIDE TO THE RIGHT AND TIGHTEN. (DO NOT REMOVE SCREWS)

FIELD REVERSIBLE (FAIL SAFE) TO FAIL SECURE

FAIL SAFE CONFIGURATION



FAIL SECURE



FAIL-SAFE TO FAIL-SECURE

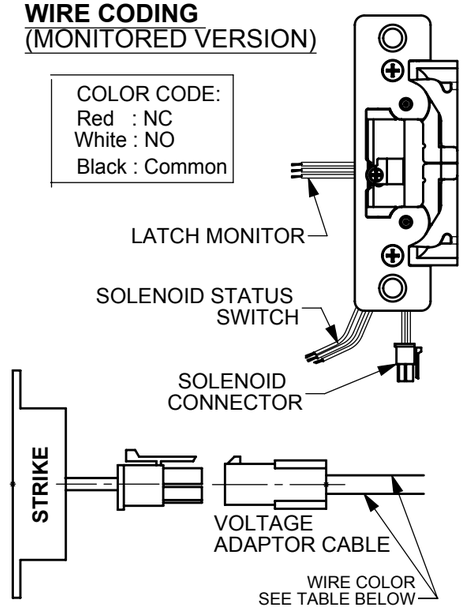
STEP 1 LOOSEN SCREW (B) APPROXIMATELY 2 ROTATIONS, AND MOVE THE SLIDE TO THE LEFT AND TIGHTEN (DO NOT REMOVE SCREWS).

STEP 2 LOOSEN SCREW (A) APPROXIMATELY 2 ROTATIONS AND SLIDE SCREW TO RIGHT AND TIGHTEN.

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

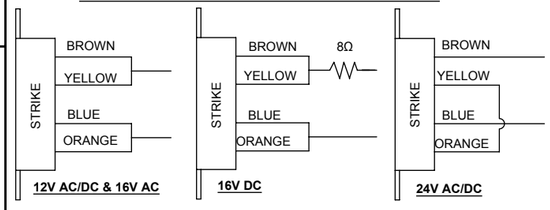
WIRE CODING
(MONITORED VERSION)

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



VOLTAGE ADAPTOR CABLE		
P/N#	WIRE COLOR	APPLICATION
VA7400-12	BLACK	12VAC/DC & 16VAC
VA7400-24	RED	24VAC/DC
VA7400-16VDC (OPTIONAL KIT)	WHITE	16VDC

SOLENOID WIRING DIAGRAM



FOR WOOD DOOR APPLICATIONS

THE SPACER IS DESIGNED TO SIMPLIFY MORTISING ON WOOD DOOR APPLICATIONS

