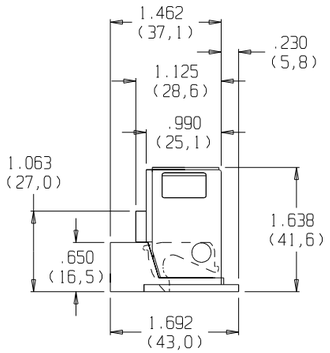
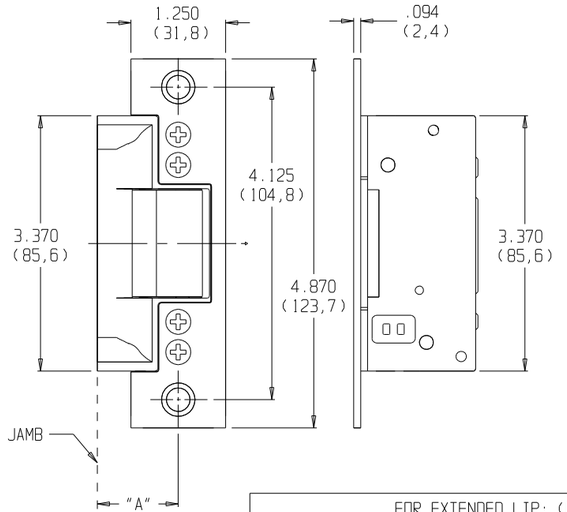
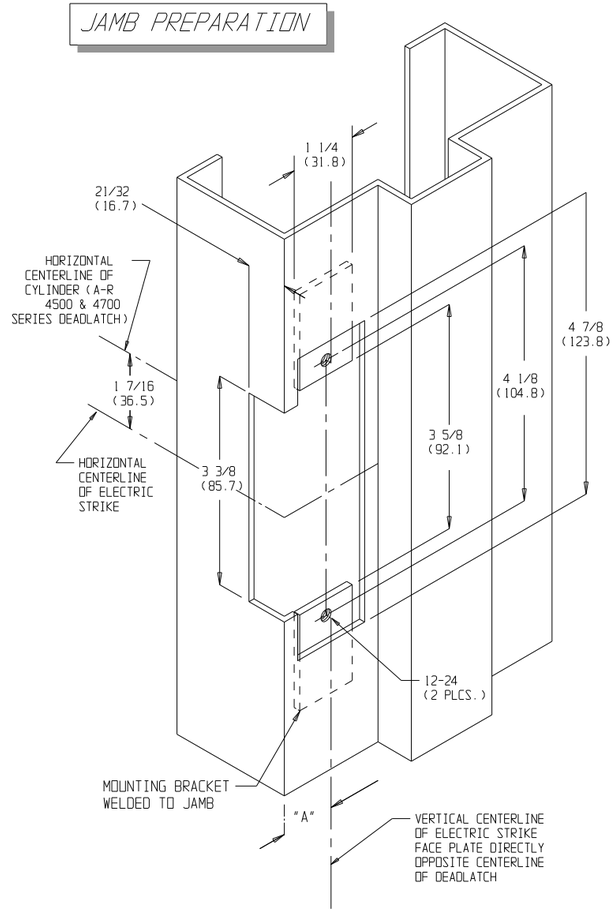
ELECTRIC STRIKE DIMENSIONS





STANDARD UNIT FITS DIM. "A" UP TO 1 1/16" (SEE DASH NO.)

JAMB PREPARATION



FOR EXTENDED LIP: (DIM "A" DOOR → TO JAMB EDGE)					
DASH NO.	DIM "A"	DASH NO.	DIM "A"	DASH NO.	DIM "A"
NONE	1.06	-05	2.00	-10	2.63
-01	1.50	-06	2.13	-11	2.75
-02	1.63	-07	2.25	-12	2.88
-03	1.75	-08	2.38	-13	3.00
-04	1.88	-09	2.50		

NOTE: WHEN DOOR SILENCERS ARE USED ON FRAME, ADJUST STRIKE LOCATION TO ENSURE COMMON LATCH AND STRIKE CENTERLINES.

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

PAGE 1 OF 2
PAGE 2 OF 2 IS 80-0180-381 REV. H

INSTALLATION INSTRUCTIONS

1. PREPARE DOOR JAMB PER DRAWING.

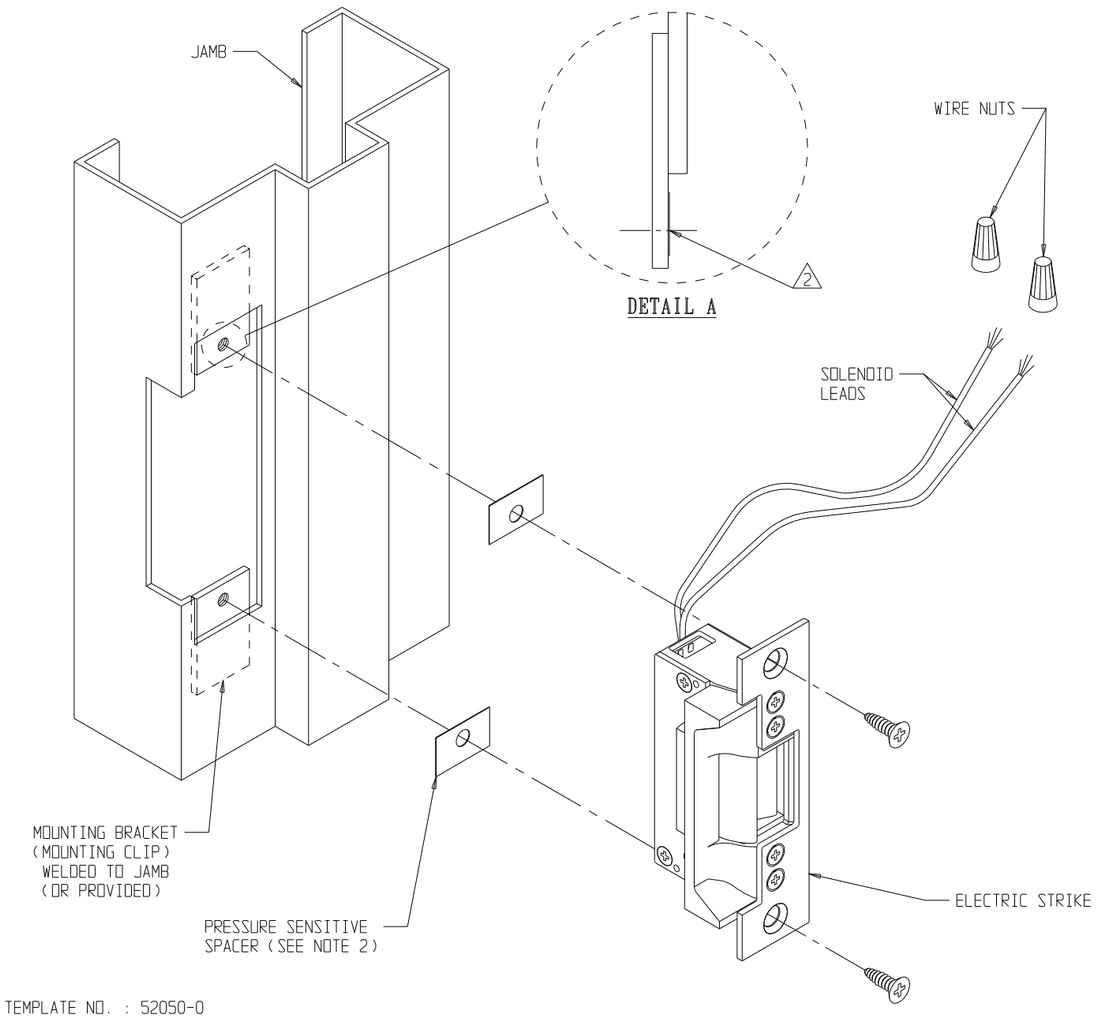
2. SPACERS ARE PROVIDED TO ASSURE FLUSH FINAL ASSEMBLY OF FACE PLATE & JAMB. WHEN THE FACE PLATE SETS INSIDE THE JAMB, SPACERS MUST BE ADDED BETWEEN THE MOUNTING CLIP & THE ELECTRIC STRIKE FACE PLATE. SEE DETAIL "A" TO ATTACH SPACER TO MOUNTING CLIP. REMOVE PROTECTIVE COATING FROM SPACER & PRESS TO DESIRED MOUNTING CLIP SURFACE. MAKE SURE CLEARANCE HOLE IN SPACER ALIGNS WITH HOLE IN MOUNTING CLIP.

3. ATTACH SUBCOVER AND FACE PLATE TO THE CASE ASSEMBLY USING FOUR 8-32 X 1/4 SCREWS.

4. USING WIRE NUTS PROVIDED, CONNECT WIRES COMING FROM THE STRIKE TO THE WIRES COMING FROM THE LOW VOLTAGE SIDE OF THE TRANSFORMER.

5. INSERT ELECTRIC STRIKE INTO JAMB AND ATTACH TO THE CLIPS USING TWO #12 COMBINATION SCREWS.

STATIC STRENGTH	DYNAMIC STRENGTH	ENDURANCE
1500 lbs.	70-foot-pound-force	250,000 cycles



REF. TEMPLATE NO. : 52050-0

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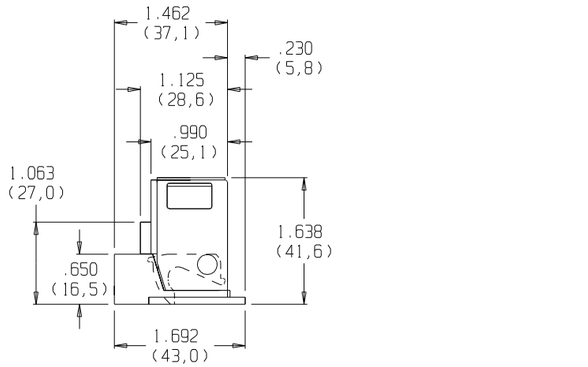
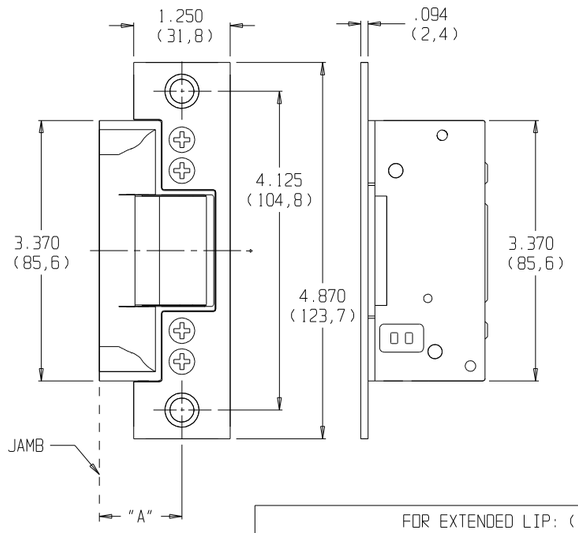
80-0180-358

7140 ELECTRIC STRIKE FOR METAL JAMB W/ AR 4500/4700/4900 DEADLATCHES

ELECTRIC STRIKE DIMENSIONS





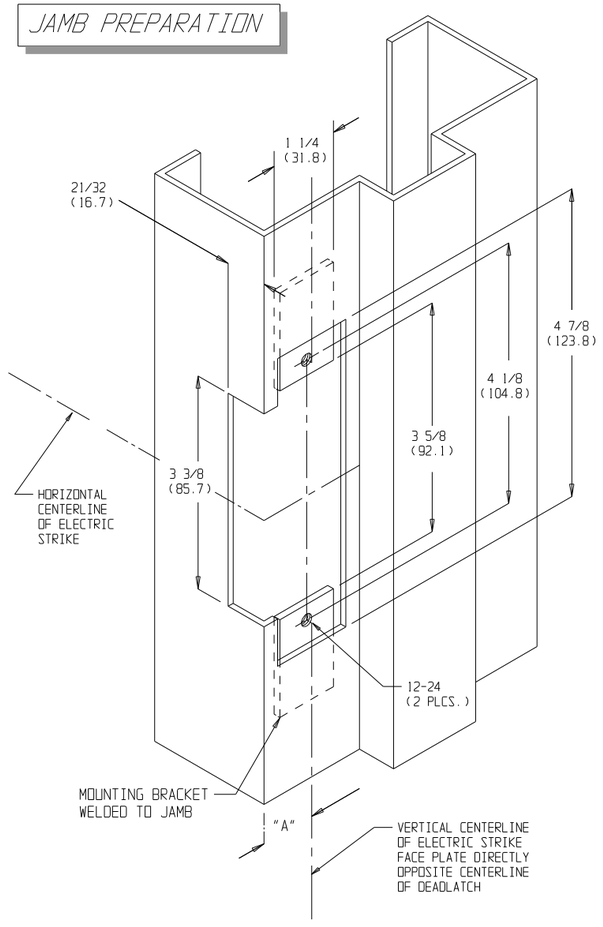
STANDARD UNIT FITS DIM. "A" UP TO 1 1/16" (SEE DASH NO.)

FOR EXTENDED LIP: (DIM "A" DOOR → TO JAMB EDGE)					
DASH NO.	DIM "A"	DASH NO.	DIM "A"	DASH NO.	DIM "A"
NONE	1.06	-05	2.00	-10	2.63
-01	1.50	-06	2.13	-11	2.75
-02	1.63	-07	2.25	-12	2.88
-03	1.75	-08	2.38	-13	3.00
-04	1.88	-09	2.50		

NOTE: WHEN DOOR SILENCERS ARE USED ON FRAME, ADJUST STRIKE LOCATION TO ENSURE COMMON LATCH AND STRIKE CENTERLINES.

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

JAMB PREPARATION



INSTALLATION INSTRUCTIONS

1. PREPARE DOOR JAMB PER DRAWING.

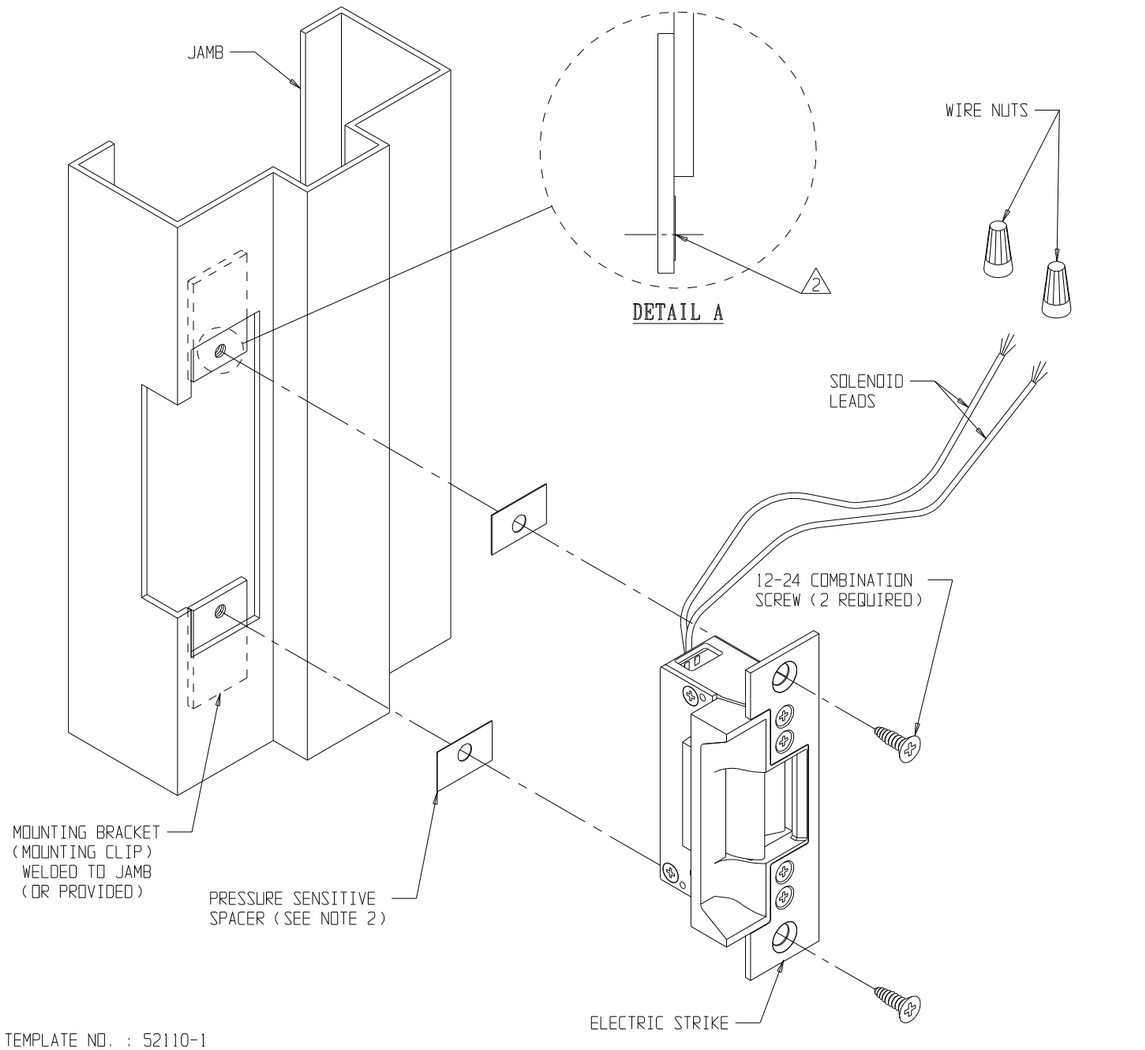
2. SPACERS ARE PROVIDED TO ASSURE FLUSH FINAL ASSEMBLY OF FACE PLATE & JAMB. WHEN THE FACE PLATE SETS INSIDE THE JAMB, SPACERS MUST BE ADDED BETWEEN THE MOUNTING CLIP & THE ELECTRIC STRIKE FACE PLATE. SEE DETAIL "A" TO ATTACH SPACER TO MOUNTING CLIP. REMOVE PROTECTIVE COATING FROM SPACER & PRESS TO DESIRED MOUNTING CLIP SURFACE. MAKE SURE CLEARANCE HOLE IN SPACER ALIGNS WITH HOLE IN MOUNTING CLIP.

3. ATTACH SUBCOVER AND FACE PLATE TO THE CASE ASSEMBLY USING FOUR 8-32 X 1/4 SCREWS.

4. USING WIRE NUTS PROVIDED, CONNECT WIRES COMING FROM THE STRIKE TO THE WIRES COMING FROM THE LOW VOLTAGE SIDE OF THE TRANSFORMER.

5. INSERT ELECTRIC STRIKE INTO JAMB AND ATTACH TO THE CLIPS USING TWO #12 COMBINATION SCREWS.

STATIC STRENGTH	DYNAMIC STRENGTH	ENDURANCE
1500 lbs.	70-foot-pound-force	250,000 cycles



REF. TEMPLATE NO. : 52110-1

Adams Rite
ASSA ABLOY

80-0180-363

7140 ELECTRIC STRIKE FOR METAL JAMB W/ KEY-IN-KNOB LATCHES

Rev. G | Ecn 11955D | Date: 06/29/12 | PAGE 1 OF 2 | PAGE 2 OF 2 IS 80-0180-381 REV. H | Appvd: MP | Date:07/20/12

ADAMS RITE MANUFACTURING COMPANY
POMONA, CA. 91767

7140 ELECTRIC STRIKE
FOR WOOD JAMB WITH
KEY-IN-KNOB LATCHES

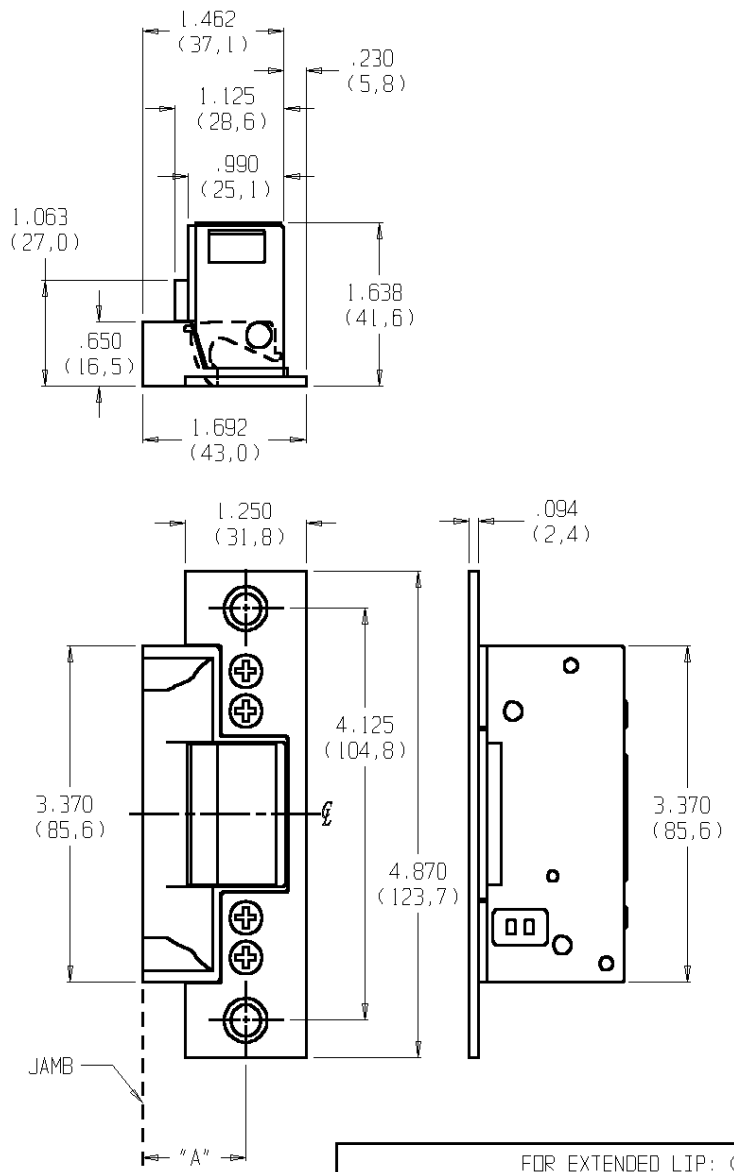
ECN NO: 9747

NOTE: SEE MASTER SHEET 10001 FOR SUGGESTED REINFORCEMENT

TEMPLATE NO.: 52120-1

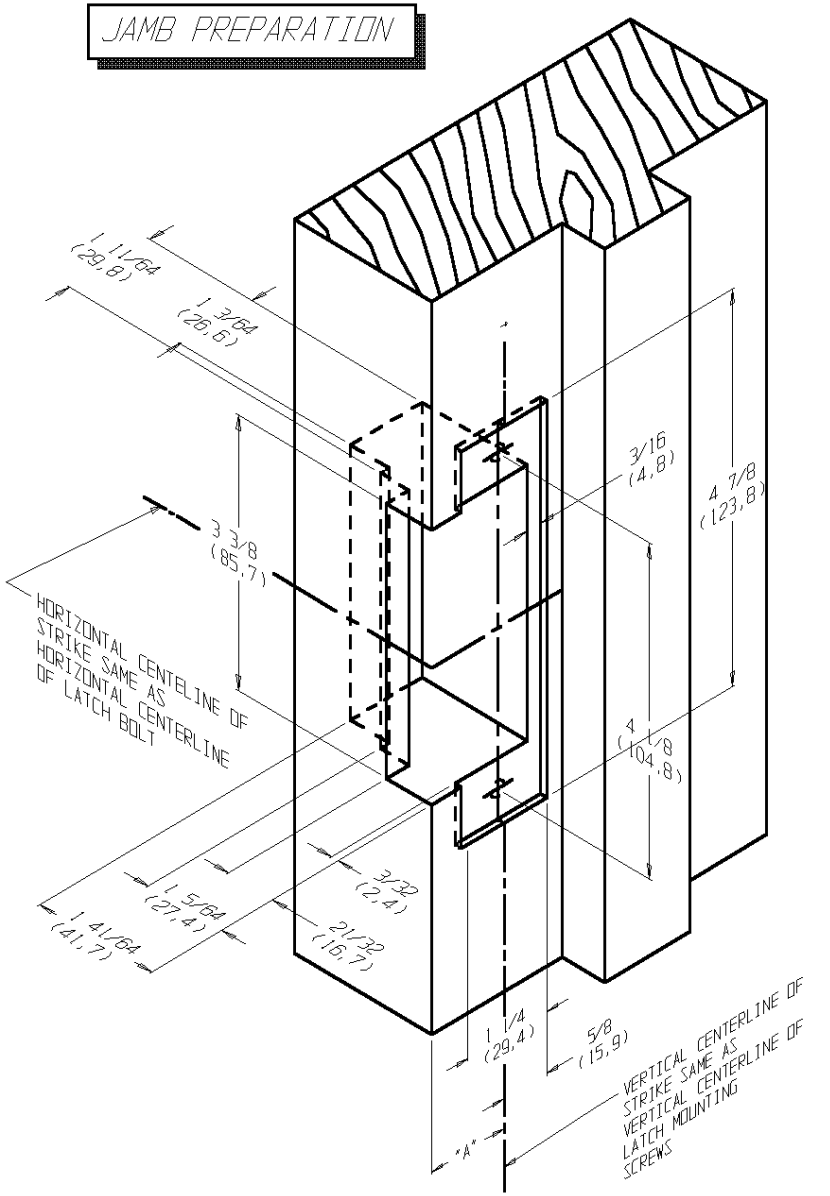
DATE: 05-04-98

ELECTRIC STRIKE DIMENSIONS



STANDARD UNIT FITS DIM. "A" UP TO 1 1/16" (SEE DASH NO.)

JAMB PREPARATION



FOR EXTENDED LIP: (DIM "A" DOOR → TO JAMB EDGE)					
DASH NO.	DIM "A"	DASH NO.	DIM "A"	DASH NO.	DIM "A"
NONE	1.06	-05	2.00	-10	2.63
-01	1.50	-06	2.13	-11	2.75
-02	1.63	-07	2.25	-12	2.88
-03	1.75	-08	2.38	-13	3.00
-04	1.88	-09	2.50		

NOTE: WHEN DOOR SILENCERS ARE USED ON FRAME, ADJUST STRIKE LOCATION TO ENSURE COMMON LATCH AND STRIKE CENTERLINES.

Notes:

Fail-Secure Operation - Unlocks when energized. If power fails the strike remains in a locked condition.

Fail-Safe Operation - Locks when energized. Used in applications requiring automatic unlocking in case of power failure.

Available Voltages: 12V AC Intermittent duty, 12V AC/DC Continuous duty, 16V AC Intermittent duty, 16V AC/DC Continuous duty, 24V AC Intermittent duty, 24V AC/DC Continuous duty.

> Warning !
> AC Intermittent duty solenoids are designed to be energized 30 seconds at a time. Energizing for longer periods will damage the solenoid.

AC Continuous duty strikes are supplied with a A/R # 4603 rectifier attached to the solenoid leads. These are silent operation strikes - without the "buzzing" sound. They use a DC solenoid with an externally attached, full-wave bridge rectifier.

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 that the strike jaw is either locked or unlocked by the solenoid.

All unused leads from monitor switches should be insulated.

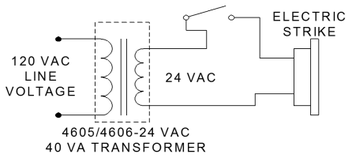
Common contact -Black
Normally open contact (NO) -White
Normally closed contact (NC) -Red
Maximum switching current -7 Amps @ 250 VAC

> Warning !
> Intermittent duty solenoids should not be converted to fail-safe configuration.
> Fail-safe units use only continuous duty solenoids.

Solenoid Data

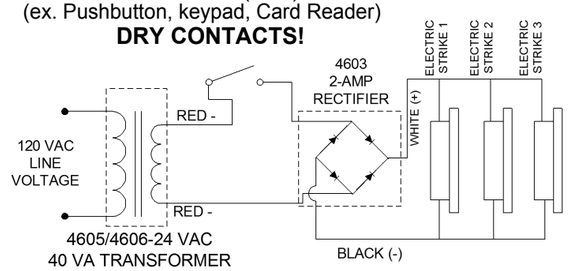
24 VDC CONT.	WHITE STRIPE ON BLACK	141.6	.170	.170	4.09	4.09
16 VDC CONT.	GREEN STRIPE ON BLACK	61.8	.222	.222	3.05	3.05
12 VDC CONT.	RED STRIPE ON BLACK	34.6	.332	.332	3.81	3.81
24 VAC INT.			.744	.431	19.15	6.43
16 VAC INT.	BLUE STRIPE ON BLACK	16.3	1.030	.636	17.30	6.60
12 VAC INT.	YELLOW STRIPE ON BLACK	8.8	1.420	.813	17.74	5.82
DESCRIPTION	WIRE COLOR	COIL RESISTANCE (OHMS ±5%)	PEAK INSTANTANEOUS CURRENT (AMPS)	CONTINUOUS OR HOLD CURRENT (AMPS)	PEAK INSTANTANEOUS POWER (WATTS)	CONTINUOUS OR HOLD POWER (WATTS)

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



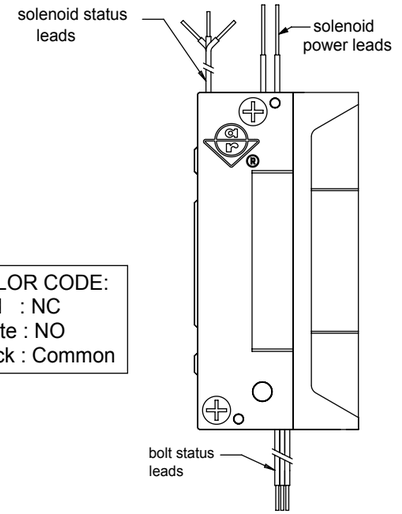
TYPICAL ELECTRIC STRIKE WIRING DIAGRAM
INTERMITTENT DUTY FAIL-SECURE 24 VAC

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



TYPICAL ELECTRIC STRIKE WIRING DIAGRAM
INTERMITTENT/CONTINUOUS DUTY 24 VDC

WIRE CODING (MONITORED VERSION)



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

FIELD REVERSIBLE (FAIL-SECURE)

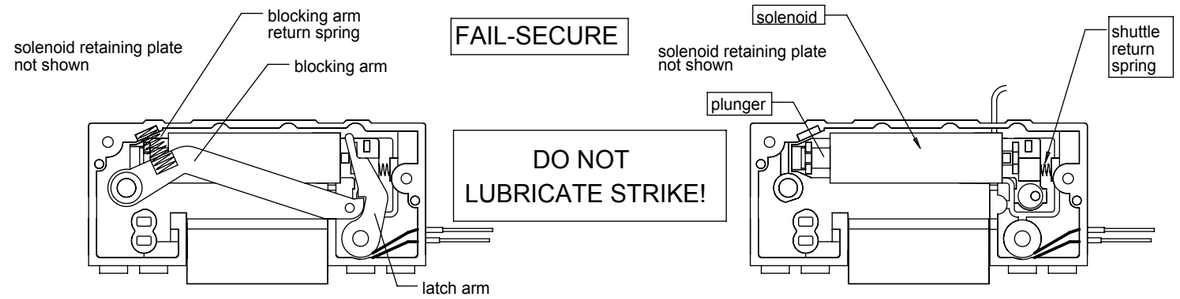


FIG. 1 "FAIL-SECURE" CONFIGURATION

FIG. 2 "FAIL-SECURE" CONFIGURATION (ARMS & SPRINGS REMOVED)

FIELD REVERSIBLE (FAIL-SAFE)

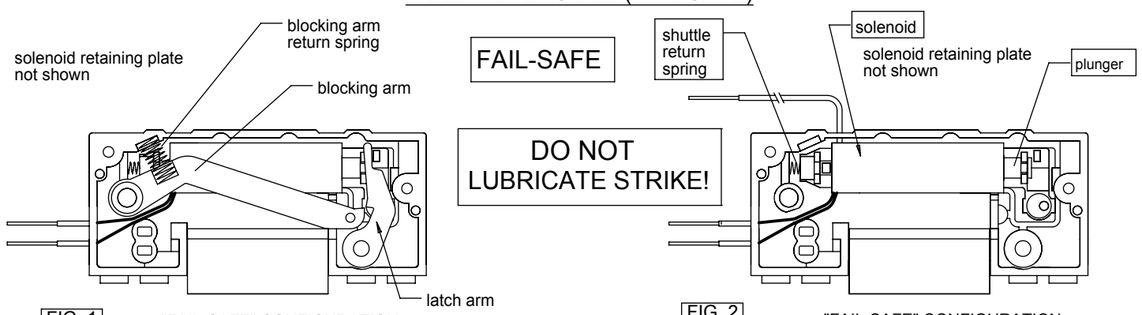


FIG. 1 "FAIL-SAFE" CONFIGURATION

FIG. 2 "FAIL-SAFE" CONFIGURATION (ARMS & SPRINGS REMOVED)

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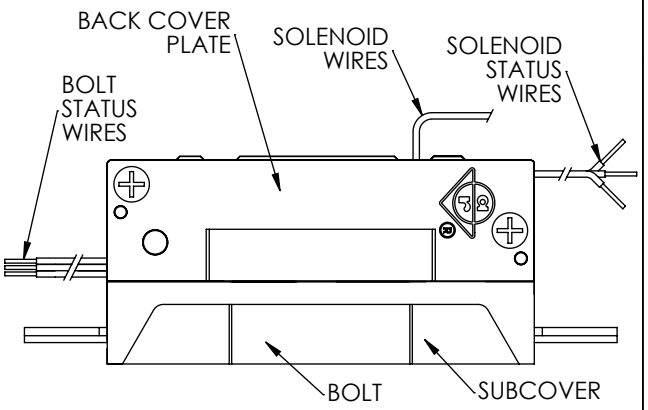
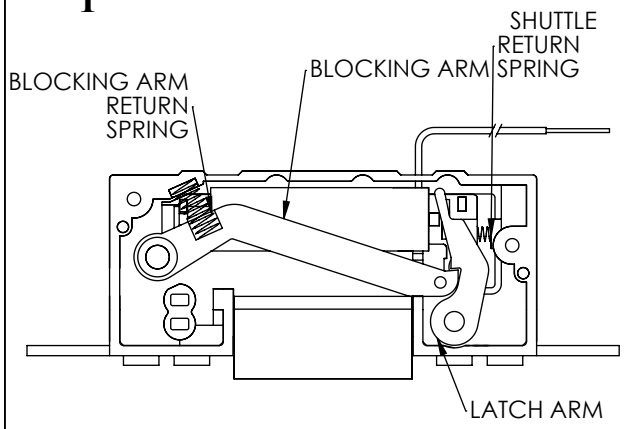
7100 SERIES (DATA SHEET WIRE CODING FIELD REVERSIBLE)

WIRE CODING FOR MONITORED VERSION



MONITOR WIRING		POWER INPUT WIRING	
NC:	RED	12VAC:	YELLOW/BLACK
NO:	WHITE	12VDC, 24VAC	RED/BLACK
COMMON:	BLACK	24VDC:	WHITE/BLACK

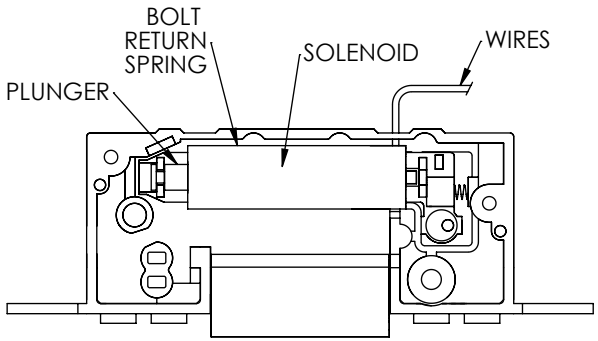
STEP 1



REMOVE SUBCOVER (ONE SCREW)
REMOVE BACK COVER PLATE (TWO SCREWS)
CAREFULLY REMOVE BLOCKING ARM SPRING
REMOVE BLOCKING ARM AND LATCH ARM

STEP 2

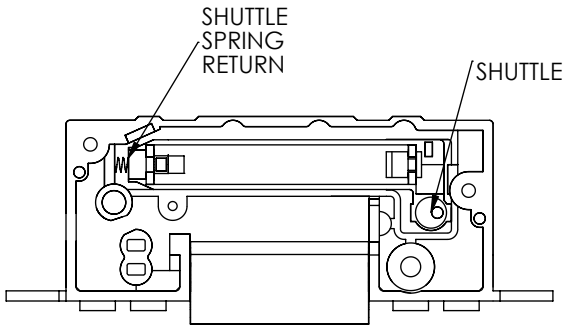
FAIL SECURE



REMOVE SOLENOID

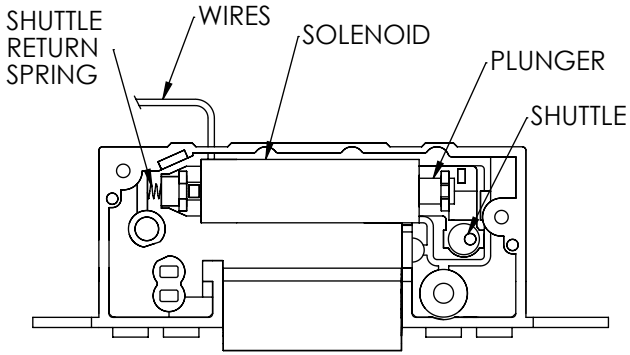
STEP 3

FAIL SAFE



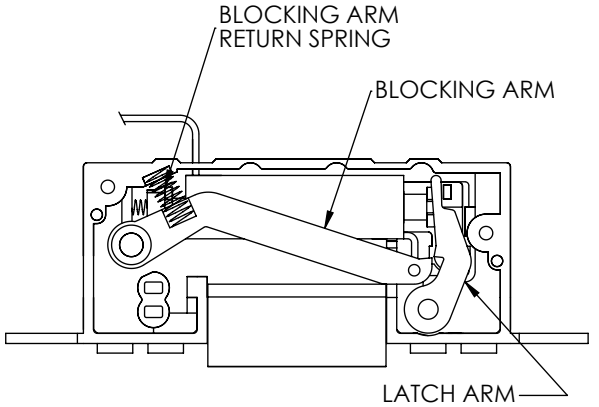
TRANSFER SHUTTLE RETURN SPRING TO OPPOSITE END OF SHUTTLE. NOTE: WHATEVER THE FUNCTION, THE SHUTTLE RETURN SPRING SHOULD ALWAYS BE AT OPPOSITE END TO THE SOLENOID PLUNGER.

STEP 4



REVERSE SOLENOID AND REPLACE, ENSURING CORRECT PLACEMENT AND ALIGNMENT. WITH THE SOLENOID SEATED PROPERLY THE SHUTTLE SHOULD MOVE FREELY.

STEP 5



REPLACE LATCH ARM AND BLOCKING ARM (WITH SPRING)
REPLACE BACK COVER PLATE
REPLACE SUBCOVER
* TEST PRIOR TO INSTALLATION*

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7100 EL-STRIKE FIELD CONVERSION

INSTALLATION INSTRUCTIONS

80-0180-472 Rev. C Ecn 11955D

Date: 07/20/12 Appvd: MP