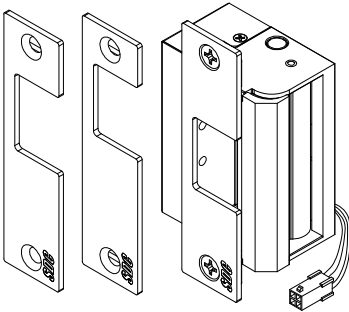


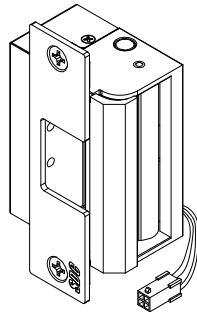


INSTALLATION INSTRUCTIONS

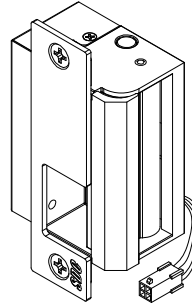
55 SERIES ELECTRIC STRIKE



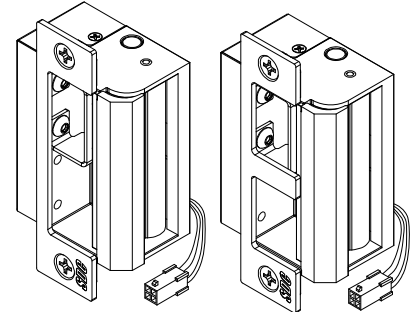
55-ABC Universal Strike Pak for multiple cylindrical and mortise lockset applications.



55-A for cylindrical locksets Grade 1 or equivalent.



55-B / 55-C For mortise locksets with up to a 3/4" latch.



55-D / 55-E / 55-F for mortise locksets with latch and deadbolt.

SDC 55 Series heavy duty electric strikes are designed for installation in hollow metal frames for access control of cylindrical locksets, mortise locksets with or without deadbolts and mortise exit devices. Several faceplate configurations eliminate the need for centerline relocation, making them ideal for new or retrofit, high security access control applications.

FEATURES:

- Non-handed
- No Centerline relocation
- Up to 3/4" latch and 1" deadbolt
- 1/8" Horizontal alignment adjustment
- Field selectable Fail-Safe/Fail-Secure
- Field selectable 12/24VDC
- Stainless steel, corrosion resistant
- Tamper resistant heavy duty construction
- Plug-in connector
- Fits ANSI 115.1 frame prep. with face modification
- U.S. Patent #10,815,692 B2

OPTIONAL MONITORING OUTPUTS:

LCM (Keeper Deadlocked Monitor)

Signals keeper is closed and deadlocked and/or unlocked.

LBM (Latch Bolt Monitor)

Signals latch is extended into strike and/or retracted.

DBM (Deadbolt Monitor)

Signals deadbolt is extended into strike and /or retracted.



Intertek



UL 10C, 3 Hr Fire Rated (Fail-Secure only).
UL 1034 Burglary-Resistant

INSTALLATION

1. Verify lock compatibility, refer to **page 2** and **Fig. 6, page 4**.
2. For proper frame preparation, refer to template drawings, **Fig. 4 & 5, page 4**.
3. Factory supplied in Fail-Secure mode. For Fail-Safe mode refer to **Fig. 2, page 3**.
4. Determine minimum wire gauge required. See wire gauge chart below.
5. **CAUTION!** Before connecting power wires check for proper operating voltage at opening with a volt meter. Voltage must be within +/- 10% of strike operating voltage for proper operation.
6. Configure strike for 12 or 24VDC operation. Refer to pigtail power connector wiring in **Fig. 1, Page 3**. Connect wires to power source.
7. To install the strike into the frame opening:
 - A) Position the wiring either down or up or toward the back of the hollow metal frame. Make sure wires are completely clear of strike, so they are not pinched when mounting strike in the frame.
 - B) Insert mounting screws through the faceplate and secure into mounting tabs.
8. After installation check horizontal alignment. There should be 1/32" allowable movement when the door is pulled toward the keeper.
9. **ALIGNMENT ADJUSTMENT:** Loosen mounting screws, shift strike body behind faceplate horizontally as shown in **Fig. 3A, page 3**, then tighten mounting screws.
10. For excessive horizontal alignment issues, remove shim filer bar from the keeper as shown in **Fig. 3B, page 3**.
11. The Electric Door Strike **MUST** be installed in such a way and in such a location so as not to impair the operation of an emergency exit or panic hardware mounted on the door.

Strike Input - Minimum Wire Gauge Requirements

Voltage	100 ft	150 ft	200 ft	250 ft	300 ft
12VDC	18 Ga	16 Ga	14 Ga	14 Ga	---
24VDC	18 Ga	18 Ga	18 Ga	16 Ga	16 Ga

Monitoring outputs: Minimum 22 Gage wire recommended.

OPERATION:

Fail-Secure (Power-to-Unlock): Unlocked when energized.

Locked when de-energized and during power failure.

Application: For non fire rated and fire rated doors (exception, may not be used on stairwell doors). May not be maintained in the unlocked (energized) state when used with fire rated doors.

Fail-Safe (Power-to-Lock): Locked when energized.

Unlocked when de-energized and during power failure.

Application: Non-fire rated doors only.

CAUTION: Fail-Safe is not permitted with the UL Fire Door Accessory label.

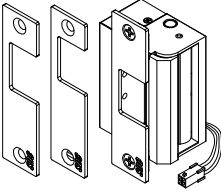
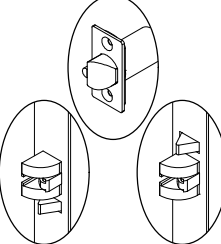
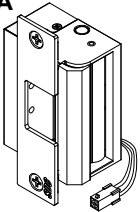
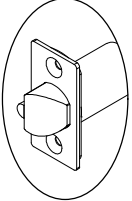
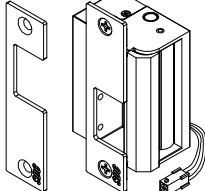
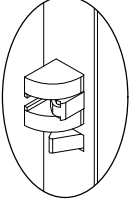
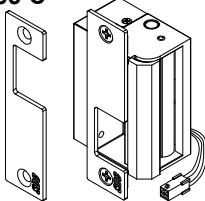
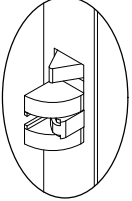
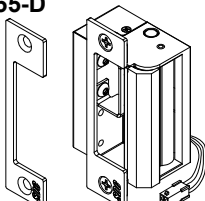
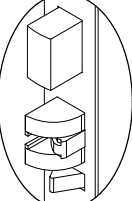
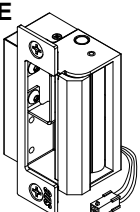
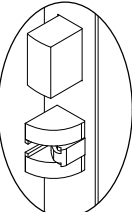
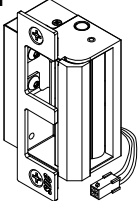
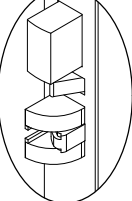
**55 SERIES ELECTRIC STRIKE**

Strike body and faceplate(s) provided as shown below.

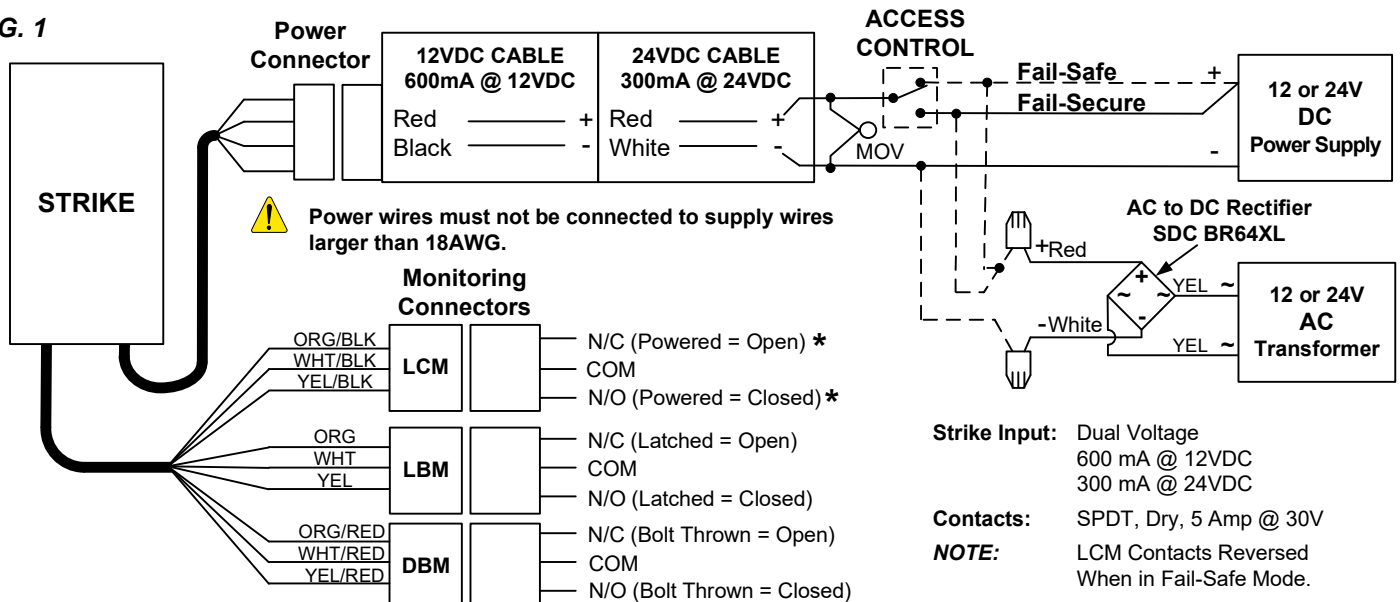
Faceplates are interchangeable and may be ordered separately.

UNIVERSAL APPLICATION KITS

Order strike bodies and different faceplates separately to accommodate all applications.

Model	Lockset	Application	Compatible Locks	Operation
55-ABC 		Universal Strike Pak - Adaptable to all 55-A, 55-B, 55C applications listed below. 5 strike body and faceplates - For new and retrofit installation - No relocation of the centerline.	- Grade 1 or equivalent Latchbolt 9/16" – 3/4" - All mortise locksets listed with 55-B & 55-C	After releasing the latchbolt, the keeper returns to the locked position.
55-A 		- Bored (Cylindrical) locks. - No relocation of the centerline.	- Grade 1 or equivalent Latchbolt 9/16" – 3/4" - Adams Rite 4720 ANSI and compatible narrow stile locks.	After releasing the latchbolt, the keeper returns to the locked position.
55-B 		- Mortise locksets and exit devices with or without a deadlatch located below the latchbolt. - For new and retrofit installation - No relocation of the centerline.	- Accurate - Arrow - Best - Corbin Russwin - Dorma - Falcon - Marks - Sargent - Yale	After releasing the latchbolt, the keeper returns to the locked position.
55-C 		- Mortise locksets and exit devices with or without a deadlatch located above the latchbolt. - For new and retrofit installation - No relocation of the centerline.	- SDC - Baldwin - Hager - Schlage	After releasing the latchbolt, the keeper returns to the locked position.
55-D 		- Mortise locksets with a deadbolt and a deadlatch located below the latchbolt. - Deadbolt will not release. - For new and retrofit installation - No relocation of the centerline.	- Accurate - Arrow - Best - Corbin Russwin - Dorma - Falcon - Marks - Sargent - Yale	When the deadbolt is projected manually, the strike will not release. When the deadbolt is retracted, access is accomplished by electrically releasing the keeper.
55-E 		- Mortise lockset with a deadbolt. - Deadbolt will not release. - For new and retrofit installation - No relocation of the centerline.	Baldwin	When the deadbolt is projected manually, the strike will not release. When the deadbolt is retracted, access is accomplished by electrically releasing the keeper.
55-F 		- Mortise locksets with a deadbolt and a deadlatch located above the latchbolt. - For new and retrofit installation - Deadbolt will not release.	- SDC - Schlage - Hager	When the deadbolt is projected manually, the strike will not release. When the deadbolt is retracted, access is accomplished by electrically releasing the keeper.

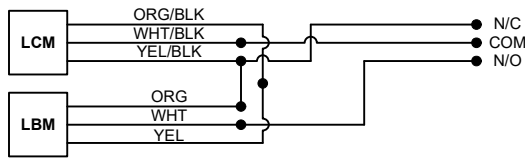
WIRE DIAGRAM - 55 SERIES ELECTRIC STRIKE

FIG. 1


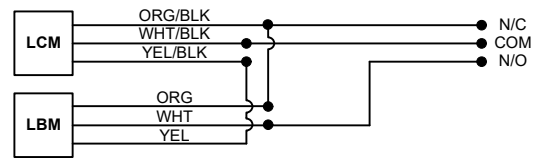
HIGH SECURITY DOOR SECURE MONITORING: LCM & LBM Required

LCM & LBM wired in series indicates door is closed, latched and strike is deadlocked or door is open or unlocked.

FAIL-SECURE MODE – Door Secure or Unlocked Status



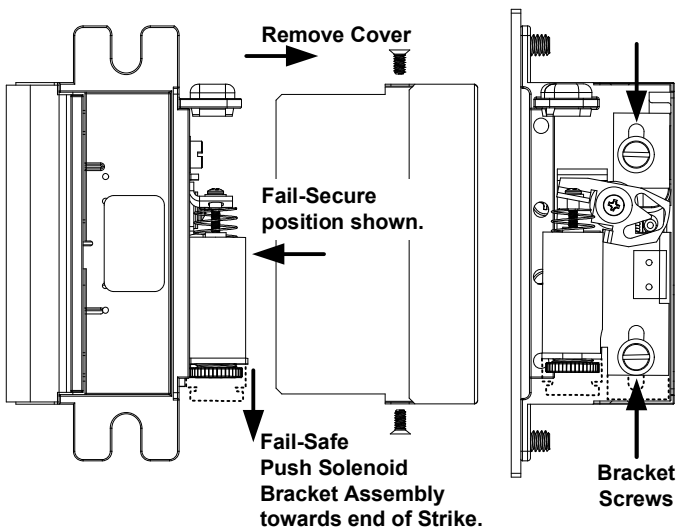
FAIL-SAFE MODE – Door Secure or Unlocked Status


FIG. 2

FIELD REVERSIBLE FAIL-SAFE / FAIL-SECURE

Fail-Secure Mode: Factory supplied, Fail-Secure.

Fail-Safe Mode: Remove cover, loosen bracket screws, push solenoid bracket assembly toward end of strike as shown below, and retighten bracket screws.


FIG. 3

HORIZONTAL ALIGNMENT ADJUSTMENT

3A - Nominal Alignment: Loosen mounting screws. Shift strike body behind the faceplate horizontally. Tighten mounting screws.

3B - Excessive Alignment Issues: Remove shim filler bar from keeper.

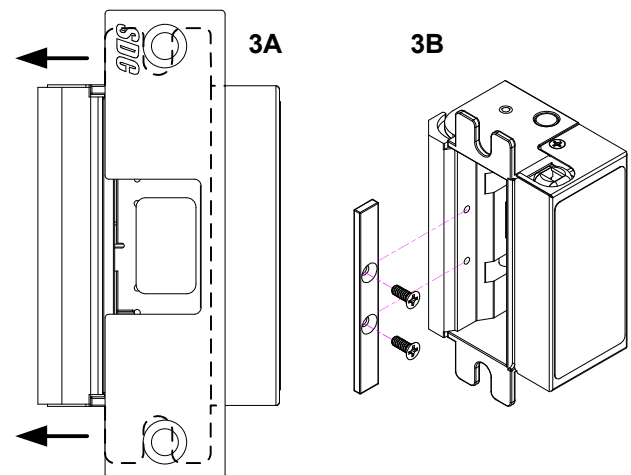


FIG. 4 FRAME PREPARATION

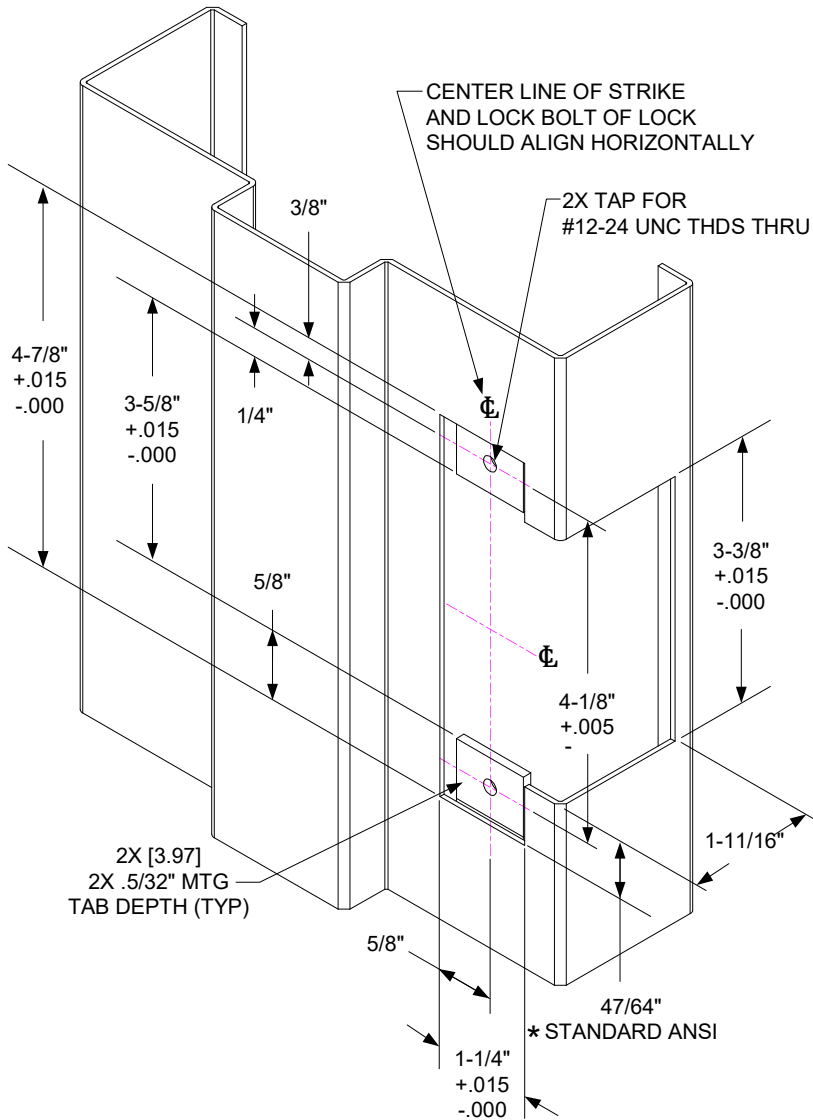


FIG. 5 STRIKE DIMENSIONS

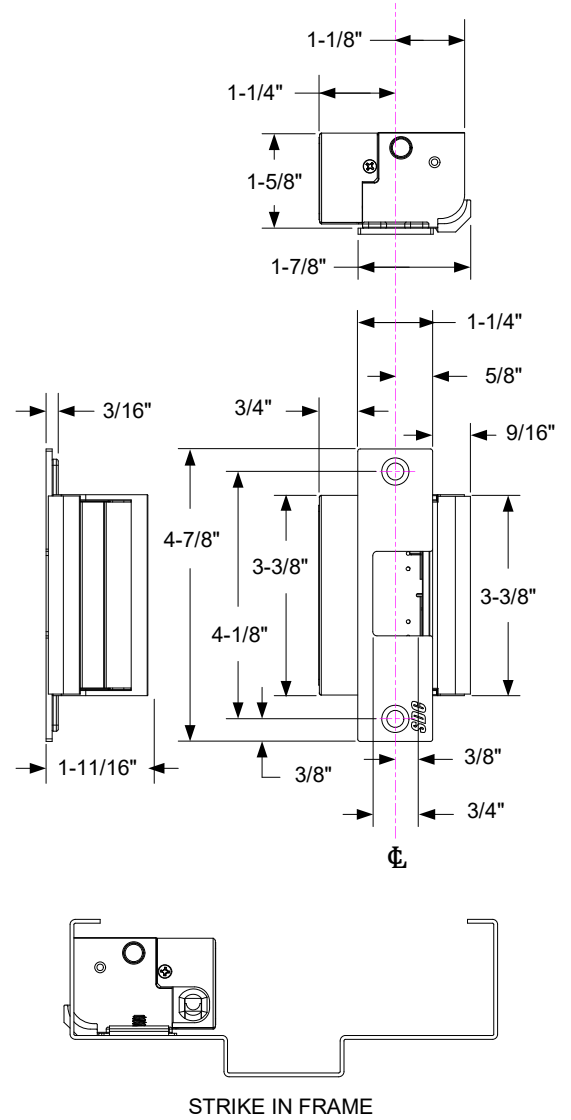
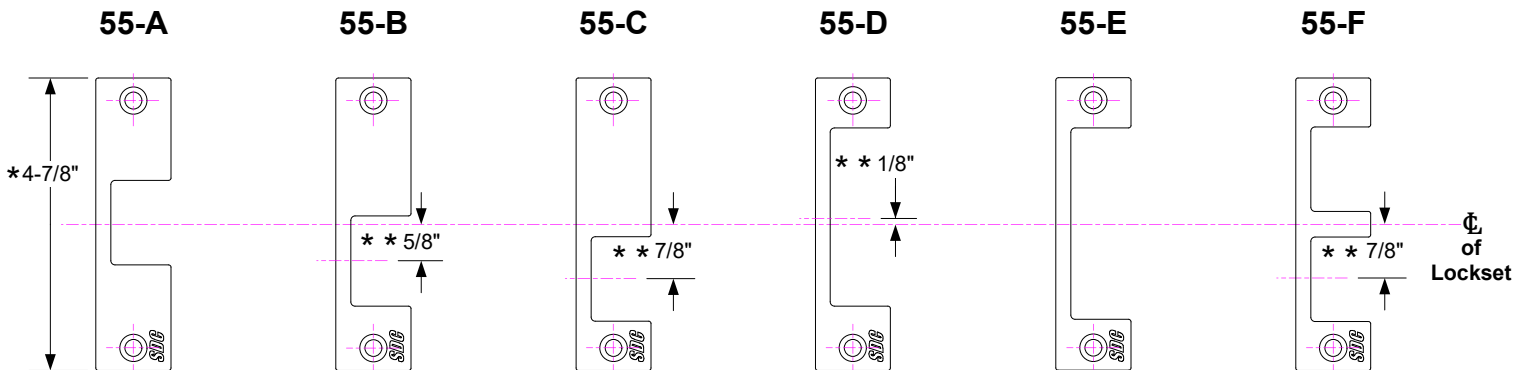


FIG. 6

FACE PLATES

All faceplates are interchangeable for application requirements



* Dimension is the same for all faceplates.

* Material Thickness = .110"

* * Centerline of Latch