Hager 2930 heavy duty electric strikes are designed for use with cylindrical and mortise locksets and mortise exit devices. Several faceplate configurations eliminate the need for centerline relocation, making them perfect for new or retrofit construction.

OPTIONAL MONITORING OUTPUTS:

- DSM (Door Secure 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.

<table>
<thead>
<tr>
<th>Strike Input - Minimum Wire Gauge Requirements</th>
</tr>
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<tbody>
<tr>
<td>Voltage</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>12VDC</td>
</tr>
<tr>
<td>24VDC</td>
</tr>
</tbody>
</table>

Warnock Hersey Tested according to:
UL 10C, 3 Hr Fire Rated (Fail-Secure only).
UL Tested according to:
UL 1034 Burglary-Resistant

Monitoring outputs: Minimum 22 Gage wire recommended

OPERATION:
- **Fail-Secure (Power-to-Unlock):** Unlocked when energized. Locked when de-energized and during power failure.
- **Fail-Safe (Power-to-Lock):** Locked when energized. Unlocked 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.

Application: Non-fire rated doors only.

CAUTION: Fail-safe is **not** permitted with the UL Fire Door Accessory label.
## 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 Failsecure mode. For Failsafe mode refer to Fig. 2, page 3
4. **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.
5. Configure strike for 12 or 24VDC operation. Refer to pigtail power connector wiring in Fig. 1, Page 3. Connect wires to power source.
6. To install the strike into the frame opening:
   A) Position the wiring either down or up 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.
7. After installation check horizontal alignment. There should be 1/32” allowable movement when the door is pulled toward the keeper.
8. ALIGNMENT ADJUSTMENT: Loosen mounting screws, shift strike body behind faceplate horizontally as shown in Fig. 3A, page 3, then tighten mounting screws.
9. For excessive horizontal alignment issues, remove shim filler bar from the keeper as shown in Fig. 3B, page 3
10. 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.

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### Model | Lockset | Application | Compatible Locks | Operation
---|---|---|---|---
2930 Cyl | ![Lockset Image] | Bored (Cylindrical) locks. Hager Mortise Exit Devices. No relocation of the centerline. | All cylindrical locksets with .5" or .625" latchbolts Adams Rite 4720 ANSI and compatible narrow stile locks. | After releasing the latchbolt, the keeper returns to the locked position.
2930 Mor | ![Lockset Image] | Mortise locksets with or without a deadlatch located **above** the latchbolt. For new and retrofit installations. No relocation of the centerline. | SDC Baldwin Hager Schlage | After releasing the latchbolt, the keeper returns to the locked position.
2930 Mdb | ![Lockset Image] | 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.

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*Model Lockset Application Compatible Locks Operation*

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### WIRE DIAGRAM - 2930 SERIES ELECTRIC STRIKE

<table>
<thead>
<tr>
<th>Power Connector</th>
<th>12V/600mA</th>
<th>24V/300mA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red +</td>
<td>Red +</td>
<td></td>
</tr>
<tr>
<td>Black -</td>
<td>White -</td>
<td></td>
</tr>
<tr>
<td>Cable 1</td>
<td>Cable 2</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Power wires must not be connected to supply wires larger than 18AWG.

**Access Control**

- **Fail-Safe**
- **Fail-Secure**

**12 or 24V DC Power Supply**

**AC to DC Rectifier**

- **Strike Input:** Dual Voltage
  - 600 mA @ 12VDC
  - 300 mA @ 24VDC
- **Contacts:** SPDT, Dry, 5 Amp @ 30V

**NOTE:** LCM Contacts Reversed When in Failsafe Mode

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### HIGH SECURITY DOOR SECURE MONITORING: DSM & LBM Required

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

#### FAIL SAFE MODE – Door Secure or Unlocked Status

- **COM**
- **N/O**
- **N/C**

#### FAIL SECURE MODE – Door Secure or Unlocked Status

- **COM**
- **N/O**
- **N/C**

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### FIG. 2 FIELD REVERSIBLE FAILSAFE / FAILSECURE

**Failsecure Mode:** Factory supplied, Failsecure

**Failsafe Mode:** Remove cover, loosen 2 flathead screws, push solenoid toward end of strike as shown below, and retighten 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.

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HAGER COMPANIES 139 Victor Street, St. Louis, MO 63104 • (800) 325-9995

Always visit www.hagerco.com for the latest Installation Instructions.
FIG. 4 FRAME PREPARATION – 2930 Electric Strike

CENTER LINE OF STRIKE AND LOCK, AND LOCK BOLT SHOULD ALIGN HORIZONTALLY

2X TAP FOR #12-24 UNC THDS THRU

2X 5/32" MTG TAB DEPTH (TYP)

*47/64" STANDARD ANSI

FIG. 5 STRIKE DIMENSIONS

FIG. 6 FACE PLATES – All faceplates are interchangeable for application requirements

2930 CYL

2930 MOR

2930 MDB