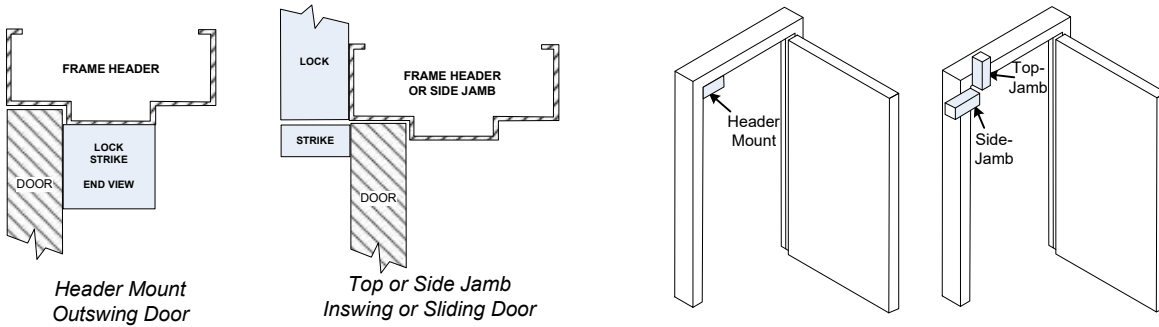




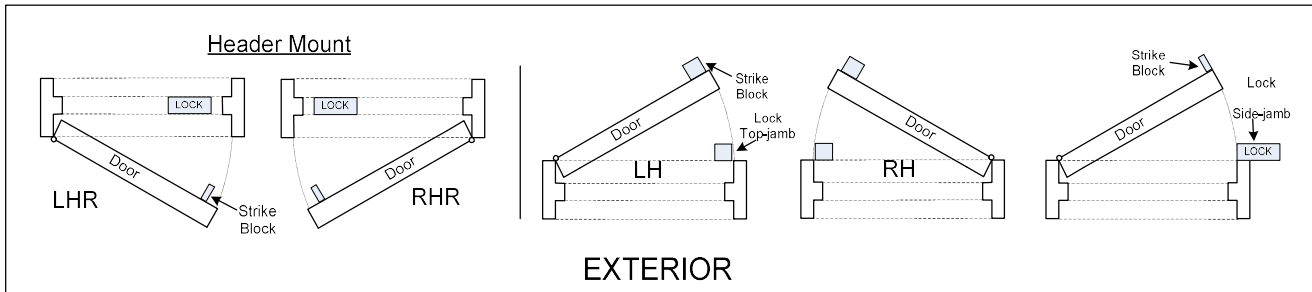
INSTALLATION INSTRUCTIONS

180 / 280 SERIES CONVENTIONAL DIRECT THROW SURFACE MOUNT BOLT LOCK

1. Determine the appropriate mounting configuration for your application (Header mount or Top-jamb or Side-jamb mount).



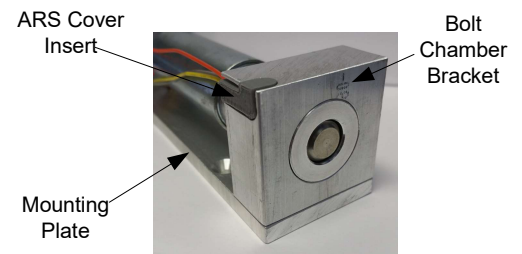
2. Determine the handing for your application.



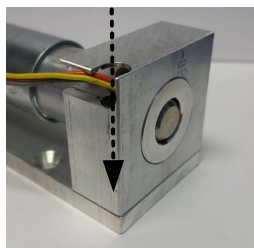
3. Remove the lock housing cover. Based on the mounting information determined on steps 1 & 2 above, adjust the Auto Relock Switch (ARS) in the bolt chamber bracket as described below.

Mounting Configuration	Auto-Relock Switch Orientation
Header Mounted - LHR	Perpendicular to the mounting plate
Header Mounted - RHR	Perpendicular to the mounting plate
Top Jamb or Side Jamb - Swing (LH or RH)	Perpendicular to the mounting plate
Top Jamb - Sliding to Left*	Parallel to the mounting plate
Top Jamb - Sliding to Right*	Parallel to the mounting plate

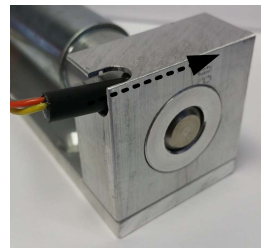
*Top Jamb Sliding Door requires a positive stop



3a. Remove the ARS insert and install the ARS switch as shown. Replace the plastic insert.



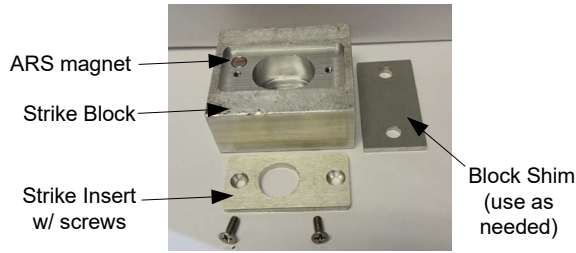
Perpendicular to Mounting Plate



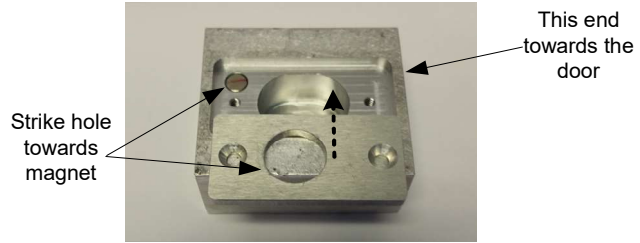
Parallel to Mounting Plate

Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdsecurity.com

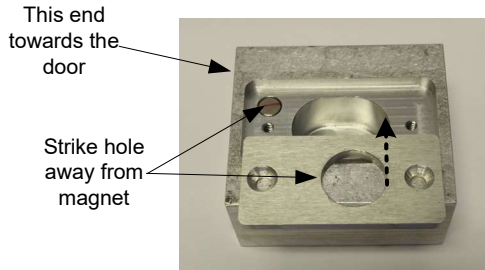
4. Configure the strike block assembly
(Choose 4a, 4b, or 4c):



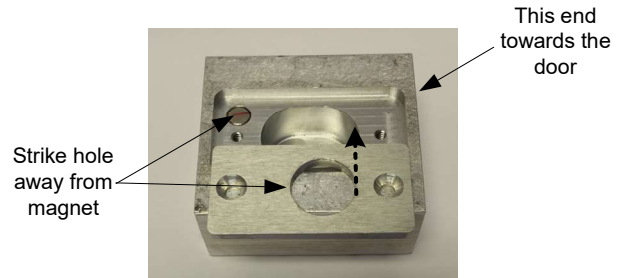
4a. For Header-mounted, RHR



4b. For Header-mounted, LHR



4c. For Top Jamb (swing or slide) or Side Jamb



5. Mark and drill as follows: Holes 1, 2, 3, and 4 for #10 sheet metal screws or 10-32 x 1/2 machine screws.
Hole 8 – 3/8" diameter for wire.

Block strike: Holes 5 and 6 or 12 and 13 for 1/4 - 20 machine screw.

6. Tap holes as required.

7. Mount lock and strike block.

8. Attach power leads as shown on Page 3. When bolt is thrown, check alignment of bolt and strike. There should be no binding on the bolt. Leading part of strike block should be 1/8" away from the lock (*1/8" is maximum distance*). If this is correct, tighten mounting screws.

9. Check lock operation for any last adjustments.

10. Re-install housing cover.

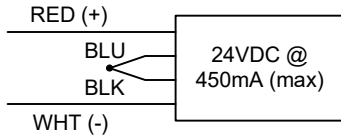


LOCK WIRING

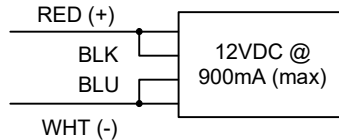
NOTE: The SDC PR-1000 Power Regulator module is included with the 180/280 bolt lock, and is required for proper operation. Installing the PR-1000 reduces the power consumption of the bolt locks after activation of the lock, allowing for a heat reduction to the bolt lock. Bypassing the PR-1000 will cause damage to the 180/280 bolt lock.

Solenoid Voltage Configuration:

24VDC SOLENOID CONFIGURATION

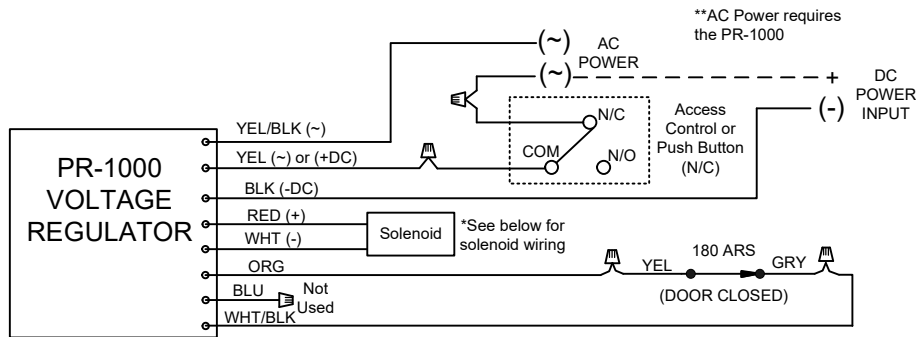


12VDC SOLENOID CONFIGURATION

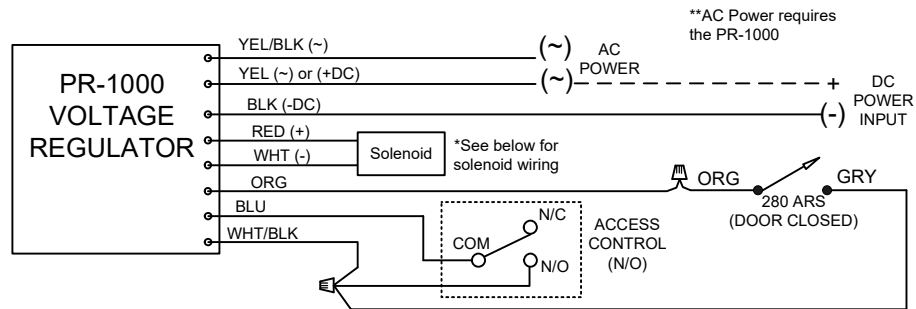


ELECTRICAL DATA:
Dual Voltage (180/280)
12VDC @ .9 Amp (max.)
24VDC @ .45 Amp (max.)
Continuous Duty

180 Wiring:



280 Wiring:



PR1000 Input Voltage: 12/24 VDC/AC (+/-10%) DC voltage is recommended for optimal performance

SPECIFICATION

- DIMENSIONS: Lock: 2" x 2" x 6" / Strike Block: 2" x 2-1/4" x 1"
- FINISH: US28 standard
- BOLT: 1/2" diameter, 1/2" throw
- SOLENOID: .9 A @ 12VDC / .45 A @ 24VDC (Continuous Duty)
- FUNCTION: 180, power to lock
280, power to unlock



TEMP-180_280

