



- NOTES:**
- (1) ALL LOW VOLTAGE SIGNAL WIRING SHALL BE 18-GAUGE MINIMUM. THE MINIMUM INDUCTIVE LOAD (LOCK) POWER WIRE GAUGE SHALL BE DETERMINED PER THE SDC WIRE GAUGE CHART. ALL WIRING (SINGLE OR MULTI-CONDUCTOR) SHALL BE COLOR CODED WITHOUT SPLICES. A MINIMUM OF TWO SPARE CONDUCTORS IS RECOMMENDED.
  - (2) SPECIFY VOLTAGE WHEN ORDERING PRODUCTS. VOLTAGE IS NOT SPECIFIED ON THIS WIRE DIAGRAM, BE SURE ALL PRODUCTS ARE VOLTAGE COMPATIBLE.
  - (3) ALL WIRING MUST CONFORM TO NATIONAL, STATE AND LOCAL CODES.
  - (4) ALWAYS CONSULT WITH THE AUTHORITY HAVING JURISDICTION (AHJ) BEFORE INSTALLATION.
  - (5) WHERE REQUIRED BY CODE, CONNECT FAILSAFE SYSTEMS TO THE LOCAL FIRE LIFE SAFETY SYSTEM FOR EMERGENCY RELEASE.
  - (6) DOOR POSITION SWITCHES SHOWN WITH THE DOOR CLOSED

**Method of Operation**

Door normally closed and secured by Emlock.

**Authorized Access** – Entering a valid user code at reader will momentarily unlock the door.

**Authorized Egress** – Free egress by motion detector above door that unlocks the Emlock as occupant approaches the door. Occupant pushes the unlocked door open and exits.

**Manual Override** – In the event of motion detector failure to unlock the door, activating the 'Push to Exit' button at the door unlocks the door for 30 seconds. If the button is pushed again within the 30 second time period, the timer starts again for another 30 seconds.

**Redundant Manual Override** is provided by the Emergency Break Glass station. Activating the Break Glass station disconnects power to Emlock and turns on siren. Siren stays On until station switch is reset.

**Fire/Emergency** – Power supply to be connected the Fire/Emergency system to turn Off power supply and Unlock the Emlock.

© Security Door Controls



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NOTE: ALL WIRING MUST BE REVIEWED AND APPROVED BY THE PROJECT ENGINEER ASSIGNED TO THE LOCATION FOR ITS CORRECTNESS AND SUITABILITY FOR THE APPLICATION IN WHICH THE EQUIPMENT IS INSTALLED AND OPERATED. ALL WIRING MUST CONFORM TO NATIONAL, STATE, AND LOCAL CODES FOR CLASS 2 FIRE PROTECTION AND CONTROL DEVICES.

PROJECT NAME: Solution #5 - Single Access Controlled Code Compliant Door  
 LOCATION.: Access Controlled Egress Door

TITLE: Code Compliant Access Controlled Egress Door  
 DIST.: -  
 CONTACT: service@sdsecurity.com  
 DATE: -  
 DRAWN BY: -

SO NO.: -  
 DWG. NO.: -

REV A  
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