SERIES 2268
ELECTROMAGNETIC LOCK
WIRING INSTRUCTIONS

CONFIGURE LOCK OPERATING VOLTAGE

The 2268 Series maglock may be configured to operate on 12VDC or 24VDC input power. Connect the four coil wires as shown below, to match the power input. To operate the lock on low voltage AC input power, the optional rectifier (RC option) must be connected to the lock. Refer to the RC Option instructions for further information.

12VDC

- RED (+)
- BLACK (-)
- BLUE
- WHITE

POWER INPUT

12VDC 0.68 Amp

24VDC

- RED (+)
- BLACK (-)
- BLUE
- WHITE

POWER INPUT

24VDC 0.35 Amp

RECTIFIER (RC) OPTION WIRING FOR 12/24VAC OPERATION

Connect the RC Option pre-wired rectifier to the lock and the power source as shown to permit the 2268 to operate on 12 or 24VAC input power.

12/24 VAC INPUT

FROM LOCK

- RED (+)
- BLK (-)
- WHT

2268 WIRING - FORM 2268-003

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ANTI-TAMPER SWITCH (ATS) OPTION WIRING
The ATS Anti-Tamper Switch Option provides a SPDT set of dry contacts to signal the physical position of the access cover for remote monitoring purposes (i.e. - access cover ‘open’ or access cover ‘closed’). Typical system connections are shown below.

![Diagram of ANTI-TAMPER SWITCH (ATS) OPTION WIRING]

NOTE: Indicators are not included.
ATS contact rating - 0.5 Amp @ 24VAC/VDC

DOOR STATUS SWITCH (DSM) OPTION WIRING
The DSM Door Status Switch Option provides a SPDT set of dry contacts to signal the physical position of the door for remote monitoring purposes (i.e. - door ‘open’ or door ‘closed’). Typical system connections are shown below.

![Diagram of DOOR STATUS SWITCH (DSM) OPTION WIRING]

NOTE: Indicators are not included.
DSM contact rating - 0.5 Amp @ 24VAC/VDC

DYNASTAT FORCE SENSOR (DYNST) OPTION WIRING
The DYNST Dynastat Force Sensor Option provides a SPDT set of dry contacts to signal whether an efficient magnetic bond has occurred between the mating surfaces of the magnetic lock and armature for remote monitoring purposes (i.e. - door ‘locked’ or door ‘unlocked’). Typical system connections are shown below.

![Diagram of DYNASTAT FORCE SENSOR (DYNST) OPTION WIRING]

NOTE: Indicators are not included.
Dynastat contact rating - 0.25 Amp @ 24VAC/VDC
LED OPTION

The Bi-Color LED is used in conjunction with the Dynastat (DYNST) option to display lock status in two colors - red or green and is pre-configured to operate on 24VDC. For 12VDC operation remove the outer resistor from the black wire. Connect the LED to the DYNST as shown below.

```
+-----------------------+
| DYNST                |
| (NC) GREEN            |
| (NO) BLUE             |
| BROWN                 |
| (C) GREEN             |
| (NC) BLACK            |
| RESISTOR              |
| RESISTOR              |
| LED                   |
| RED                   |
| GREEN                 |
| GREEN                 |
| RED= Door Locked      |
| Green= Door Unlocked  |

REMOVE FOR 12VDC OPERATION
```

TIME DELAY (TD) OPTION WIRING

The TD time delay option provides adjustable time delayed relocking. This is a field installed device and wired per the following wiring diagrams. Diagram “A” is wired for 12VDC while diagram “B” is shown wired for 24VDC.

```
Diagram A

12VDC POWER SUPPLY

Diagram B

24VDC POWER SUPPLY

Time Delay Adjustment

Rotate trim pot clockwise to increase time delay.
Range = 0-60 sec.
```
### 2268 GENERAL SPECIFICATIONS

| OPERATING VOLTAGES:       | 12 or 24VDC  Field Selectable  
<table>
<thead>
<tr>
<th></th>
<th>12 or 24VAC  With RC Rectifier Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>POWER CONSUMPTION:</td>
<td>0.68 Amp @ 12 Volts</td>
</tr>
<tr>
<td></td>
<td>0.35 Amp @ 24 Volts</td>
</tr>
<tr>
<td>SURGE SUPPRESSION:</td>
<td>Built-in</td>
</tr>
<tr>
<td>HOLDING FORCE:</td>
<td>1200 Lbs.</td>
</tr>
<tr>
<td>COIL RESISTANCE:</td>
<td>34.1 Ohms (+/-10%) Black-White / Red-Blue</td>
</tr>
<tr>
<td>TERMINATIONS:</td>
<td>12” Long Color-Coded Wire Leads</td>
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</tbody>
</table>

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### FOR PRODUCT SUPPORT AND PARTS ORDERING INFORMATION CONTACT:

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GWXT Auxiliary Lock