The Coil Connector is not polarized and may go on in either direction.

ATS OPTION
Fig. E

ATS SWITCH

ATS HARNESS
3 Pin Plug

LED OPTION
Requires Dynastat option to work.
Red = secure / Green = unsecure
Reversing plug direction reverses indication.

LED

TIME DELAY ADJ.
CW \(\rightarrow\) to increase.
Range 1-80 seconds see fig. "E"

LOCK HOUSING

DYNASTAT CONNECTOR
(FACTORY CONNECTION)
**FIG. A**

3000/2000/2280
12/24 VDC INPUT

Normally closed station control(s), I.E. pushbuttons, keyswitches etc.
Wire multiple controls in series as shown.

**FIG. B**

3000/2000/2280
12/24 VAC INPUT

Normally closed station control(s), I.E. pushbuttons, keyswitches etc.
Wire multiple controls in series as shown.

**FIG. C**

DYNASTAT OPTION

LOCK POWER INPUT
USE FIGURES A OR B

NO
DOOR SECURE

NC
DOOR UNSECURE

NOTES: 1. DYNASTAT CONTACTS RATED
1A MAXIMUM
2. INDICATORS NOT INCLUDED

**FIG. D**

DSM OPTION

LOCK POWER INPUT
USE FIGURES A OR B

NO
DOOR CLOSED

NC
DOOR OPEN

NOTES: 1. DSM CONTACTS RATED
0.25A MAXIMUM
2. INDICATORS NOT INCLUDED

**FIG. E**

ANT-TAMPER (ATS) OPTION

ANTI-TAMPER OPTION INDICATES REMOVAL OF ACCESS COVER. THIS SWITCH IS LOCATED ON THE PRINTED CIRCUIT BOARD.

SHOWN WITH ACCESS COVER INSTALLED

DRY CONTACT RATING 3A @ 30VDC/125VAC
# ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>OPERATING VOLTAGES</th>
<th>COIL RESISTANCE CHECK</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 OR 24 VAC / VDC</td>
<td></td>
</tr>
<tr>
<td>CURRENT CONSUMPTION, ALL MODELS</td>
<td>REMOVE THE MAGNET COIL CONNECTOR</td>
</tr>
<tr>
<td>12 VAC / VDC - 0.44 A</td>
<td>FROM THE CIRCUIT BOARD TO</td>
</tr>
<tr>
<td>24 VAC / VDC - 0.22 A</td>
<td>PERFORM THE COIL TEST</td>
</tr>
<tr>
<td>PROPER COIL RESISTANCE SHOULD BE</td>
<td></td>
</tr>
<tr>
<td>FROM POINTS 1 TO 3, ~ 53 OHMS</td>
<td></td>
</tr>
<tr>
<td>FROM POINTS 2 TO 4, ~ 53 OHMS</td>
<td></td>
</tr>
</tbody>
</table>

# TROUBLESHOOTING TIPS

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>POSSIBLE CAUSE</th>
<th>CHECK FOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOOR WILL NOT LOCK OR NO MAGNETIC HOLDING FORCE</td>
<td>● NO INPUT POWER</td>
<td>□ CHECK ALL CONNECTIONS. CHECK FOR VOLTAGE AT POWER SOURCE AND LOCK TERMINAL STRIP.</td>
</tr>
<tr>
<td></td>
<td>● AN OPEN CIRCUIT IN THE COIL</td>
<td>□ PERFORM THE COIL RESISTANCE CHECK. REFER TO BOTTOM OF THE PAGE 3.</td>
</tr>
<tr>
<td>LOW HOLDING FORCE</td>
<td>● ARMATURE MOUNTING TOO RIGID</td>
<td>□ CHECK ARMATURE MOUNTING FOR FREE PIVOTING AND FULL CONTACT BETWEEN THE MATING SURFACE OF THE LOCK AND ARMATURE.</td>
</tr>
<tr>
<td></td>
<td>● INSUFFICIENT SUPPLY VOLTAGE</td>
<td>□ CHECK SUPPLY FOR PROPER INPUT VOLTAGE, SHOULD BE WITHIN 10%</td>
</tr>
<tr>
<td>MAGNET OVERHEATS AND / OR DRAWS EXCESS CURRENT</td>
<td>● POSSIBLE SHORTED COIL</td>
<td>□ PERFORM THE COIL RESISTANCE CHECK. REFER TO BOTTOM OF PAGE 3.</td>
</tr>
<tr>
<td>DYNASTAT BOND SENSOR NOT INDICATING DOOR SECURE WHEN CLOSED AND LOCKED (WHEN APPLICABLE)</td>
<td>● MAGNET AND / OR ARMATURE FACE DIRTY OR BURRED</td>
<td>□ CLEAN BOTH SURFACES WITH SCOTCH BRITE TYPE CLOTH AND APPLY WD-40. CHECK FOR BURRS.</td>
</tr>
<tr>
<td></td>
<td>● POOR LOCK / ARMATURE ALIGNMENT</td>
<td>□ CORRECT AS NECESSARY</td>
</tr>
<tr>
<td>DSM (DOOR STATUS MONITOR) NOT INDICATING DOOR CLOSED / OPEN STATUS (WHEN APPLICABLE)</td>
<td>● DSM MAGNETS NOT INSTALLED IN ARMATURE HOUSING</td>
<td>□ REPLACE / INSTALL AS NECESSARY</td>
</tr>
<tr>
<td></td>
<td>● POOR LOCK / ARMATURE ALIGNMENT</td>
<td>□ CORRECT AS NECESSARY</td>
</tr>
</tbody>
</table>
Notes:
1. This lock may accept any one of 4 different input voltages and be furnished with a combination of options. Refer to page 1 for option location and pages 2 and 3, figure A thru E, for wiring instructions that apply to your specific installation.
2. For additional system wiring information, refer to the installation documentation furnished with the external hardware and/or peripheral devices (i.e. power supply, station controls, keypad, card readers, etc.) supplied by DynaLock and/or others.

PLEASE DELIVER THIS MANUAL TO THE END-USER UPON COMPLETION OF THE INSTALLATION

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