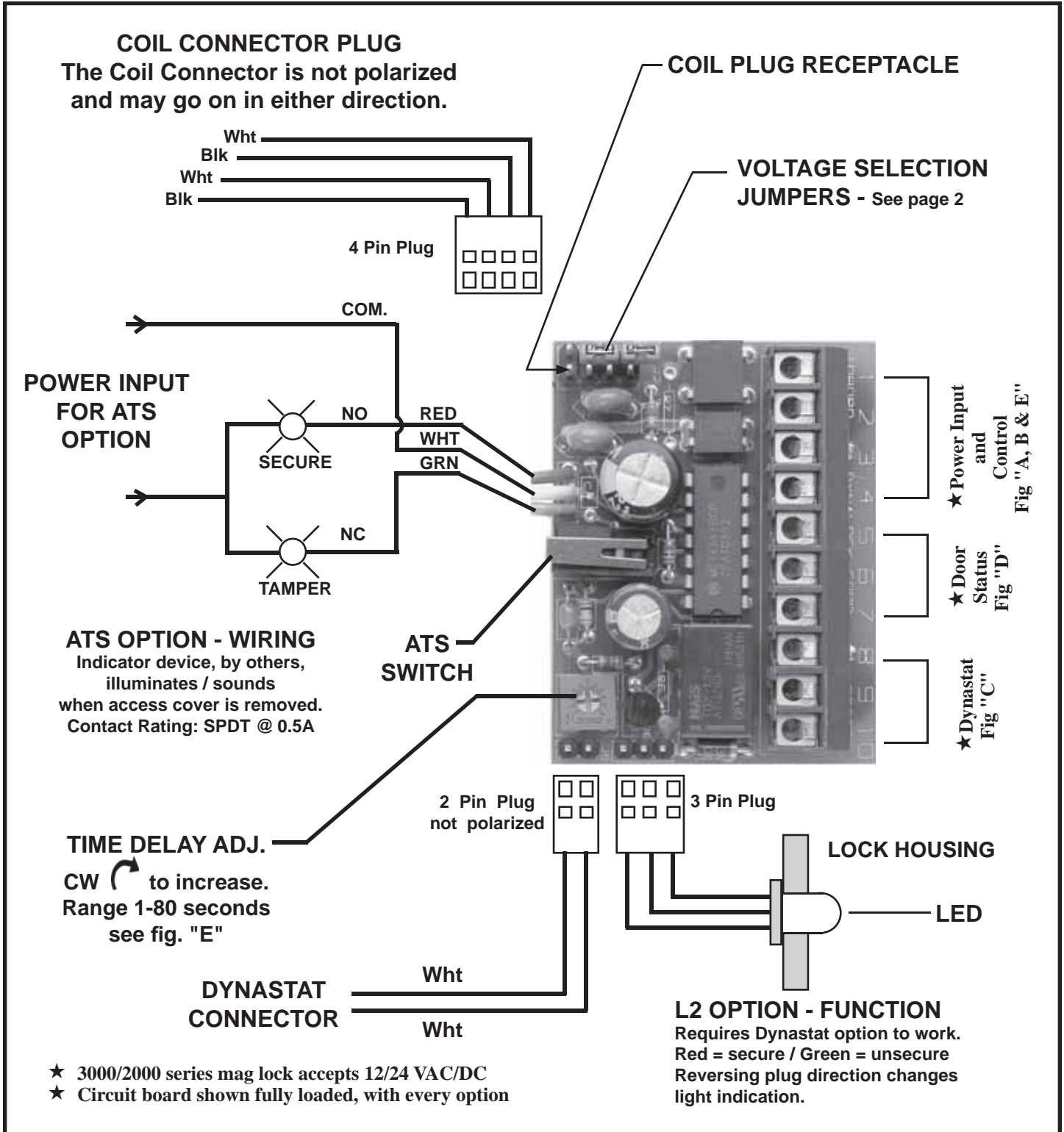


PLEASE READ BEFORE ATTEMPTING INSTALLATIONS

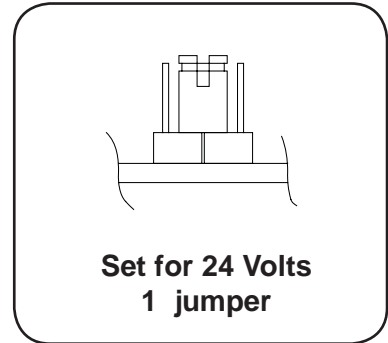
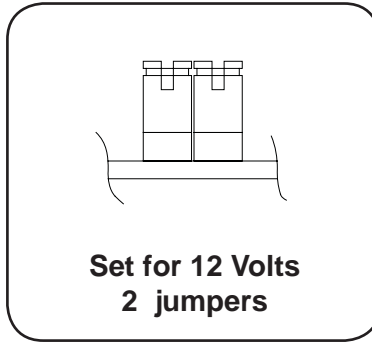
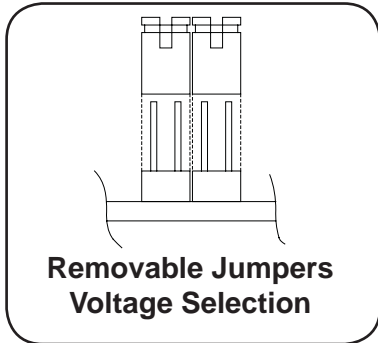
3000/ 3000LC/ 2000 SERIES CIRCUIT BOARD DESCRIPTION

Refer to Page 2 & 3 for wiring and voltage instructions



HOW TO SET VOLTAGE

Voltage is set by proper placement of the blue jumper caps on 4 exposed pins



FACTORY SET FOR 24 VOLTS

WIRING INSTRUCTIONS

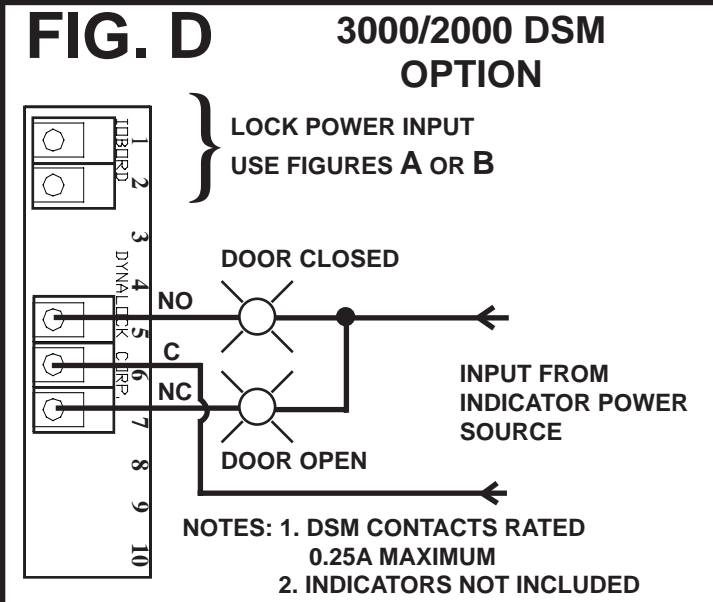
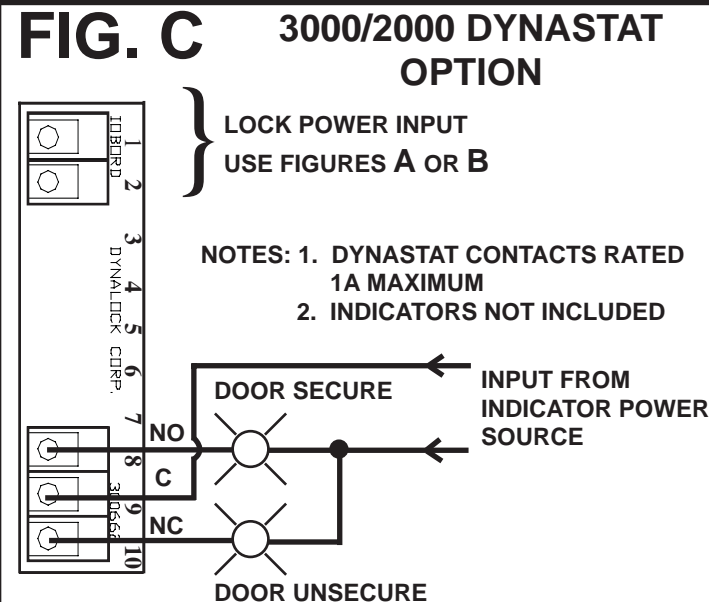
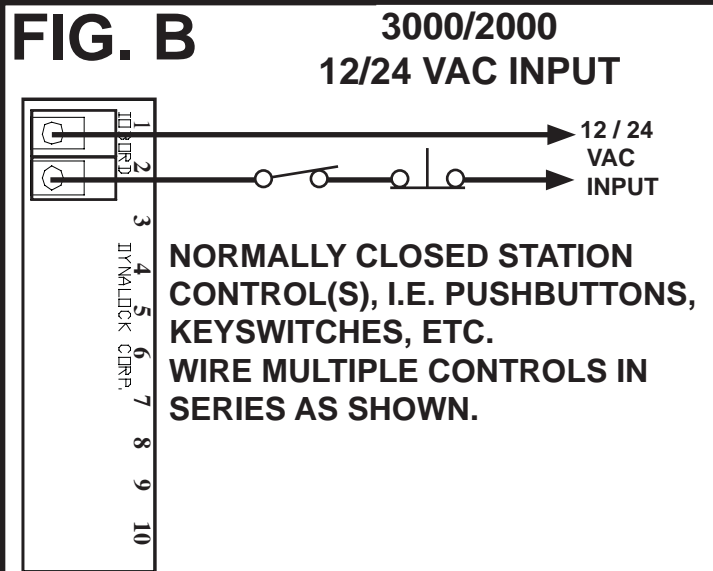
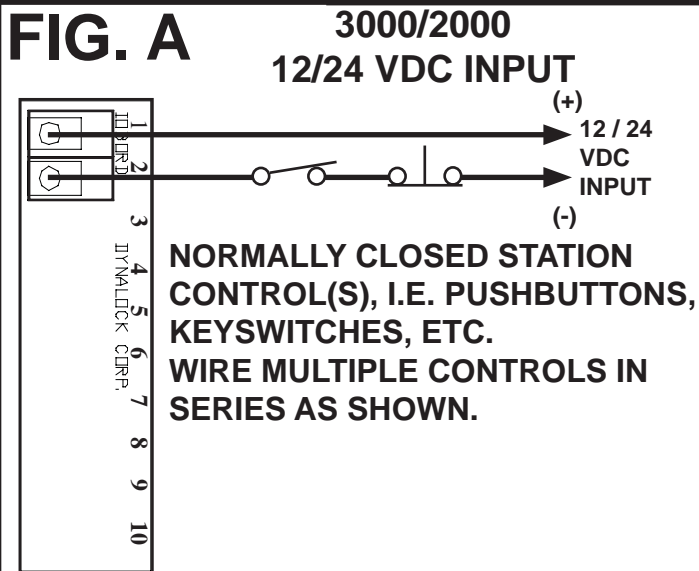
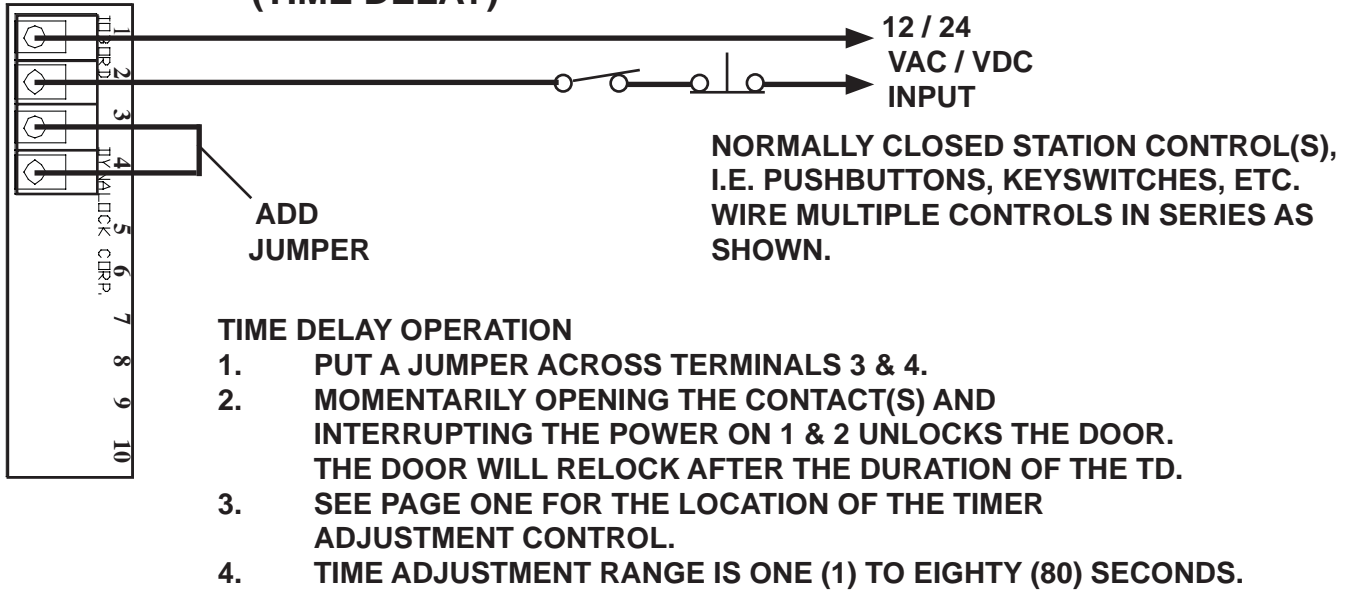


FIG. E 3000 / 2000 TD OPTION (TIME DELAY)



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.

ELECTRICAL SPECIFICATIONS

OPERATING VOLTAGES

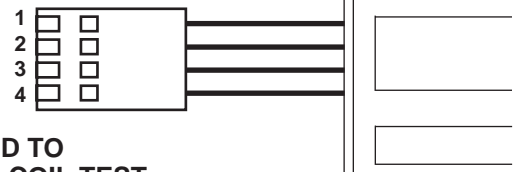
12 OR 24 VAC / VDC

CURRENT CONSUMPTION, ALL MODELS

12 VAC / VDC - 0.44 A
24 VAC / VDC - 0.22 A

COIL RESISTANCE CHECK

REMOVE THE
MAGNET COIL
CONNECTOR
FROM THE
CIRCUIT BOARD TO
PERFORM THE COIL TEST



PROPER COIL RESISTANCE SHOULD BE
FROM POINTS 1 TO 3, ~ 53 OHMS
FROM POINTS 2 TO 4, ~ 53 OHMS

TROUBLESHOOTING TIPS

SYMPTOM	POSSIBLE CAUSE	CHECK FOR
DOOR WILL NOT LOCK OR NO MAGNETIC HOLDING FORCE	<ul style="list-style-type: none"> ● NO INPUT POWER ● REVERSED POLARITY ● AN OPEN CIRCUIT IN THE COIL 	<ul style="list-style-type: none"> <input type="checkbox"/> CHECK ALL CONNECTIONS. CHECK FOR VOLTAGE AT POWER SOURCE AND LOCK TERMINAL STRIP. <input type="checkbox"/> IF A LOCK IS OPERATING ON DC VOLTAGE CHECK FOR REVERSED POLARITY. REFER TO FIG "A" PAGE 2. <input type="checkbox"/> PERFORM THE COIL RESISTANCE CHECK. REFER TO BOTTOM OF THE PAGE 3.
LOW HOLDING FORCE	<ul style="list-style-type: none"> ● WRONG INPUT VOLTAGE ● VOLTAGE SELECT JUMPERS SET WRONG ● ARMATURE MOUNTING TOO RIGID 	<ul style="list-style-type: none"> <input type="checkbox"/> VERIFY INPUT VOLTAGE MATCHES JUMPER SETTING. SEE TOP OF PAGE 2. <input type="checkbox"/> VERIFY THAT JUMPERS MATCH INPUT VOLTAGE. SEE TOP OF PAGE 2. <input type="checkbox"/> CHECK ARMATURE MOUNTING FOR FREE PIVOTING AND FULL CONTACT BETWEEN THE MATING SURFACE OF THE LOCK AND ARMATURE.
MAGNET OVERHEATS AND / OR DRAWS EXCESS CURRENT	<ul style="list-style-type: none"> ● LOCK SET FOR 12V WITH 24V APPLIED ● POSSIBLE SHORTED COIL 	<ul style="list-style-type: none"> <input type="checkbox"/> VERIFY THAT JUMPERS MATCH INPUT VOLTAGE. SEE TOP OF PAGE 2. <input type="checkbox"/> PERFORM THE COIL RESISTANCE CHECK. REFER TO BOTTOM OF PAGE 3.
DYNASTAT BOND SENSOR NOT INDICATING DOOR SECURE WHEN CLOSED AND LOCKED (WHEN APPLICABLE)	<ul style="list-style-type: none"> ● INSUFFICIENT SUPPLY VOLTAGE ● MAGNET AND / OR ARMATURE FACE DIRTY OR BURRED ● POOR LOCK / ARMATURE ALIGNMENT 	<ul style="list-style-type: none"> <input type="checkbox"/> CHECK SUPPLY FOR PROPER INPUT VOLTAGE, SHOULD BE WITHIN 10% <input type="checkbox"/> CLEAN BOTH SURFACES WITH SCOTCH BRITE TYPE CLOTH AND APPLY WD-40. CHECK FOR BURRS. <input type="checkbox"/> CORRECT AS NECESSARY
DSM (DOOR STATUS MONITOR) NOT INDICATING DOOR CLOSED / OPEN STATUS (WHEN APPLICABLE)	<ul style="list-style-type: none"> ● DSM MAGNETS NOT INSTALLED IN ARMATURE HOUSING ● POOR LOCK / ARMATURE ALIGNMENT 	<ul style="list-style-type: none"> <input type="checkbox"/> REPLACE / INSTALL AS NECESSARY <input type="checkbox"/> CORRECT AS NECESSARY

GENERAL INFORMATION

DynaLock 3000 and 2000 Series electromagnetic locks equipped with the LP - Low Power Option are configured to operate exclusively on 12V AC/DC input voltage. Current draw is 0.16 Amps for single models and 0.32 Amps for double models.

Damage may occur if input voltage exceeds 16V AC/DC. Do not attempt operation at higher voltages.

BASIC INPUT POWER WIRING

FIG. A 3000/2000 x LP BASIC
12 VDC INPUT

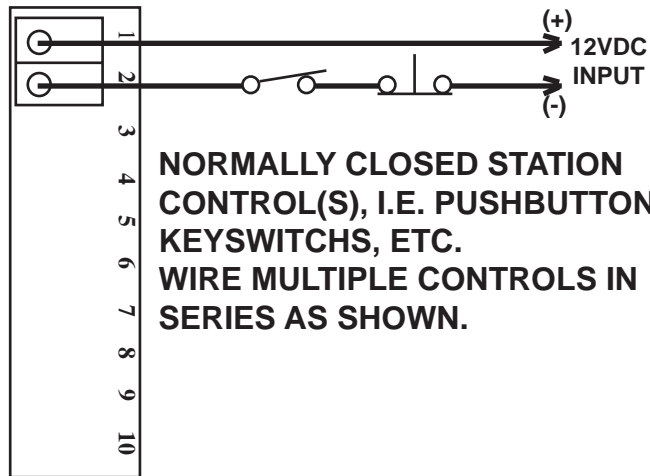
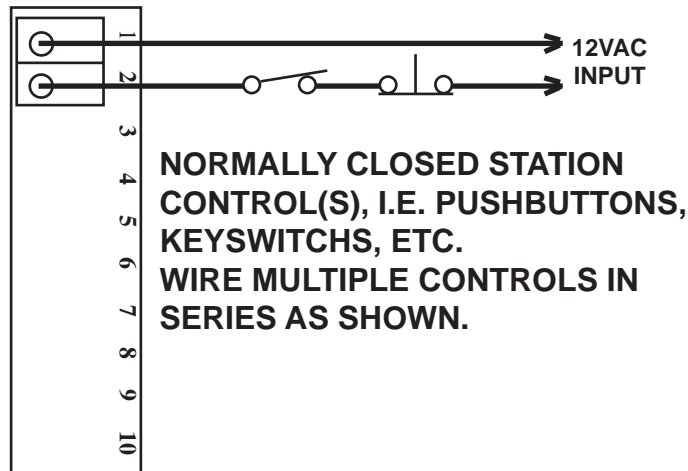


FIG. B 3000/2000 x LP BASIC
12 VAC INPUT

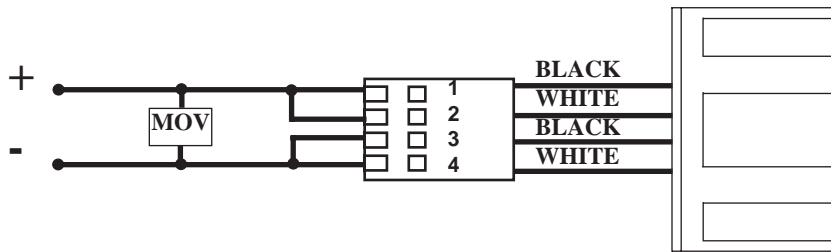




705 Emmett Street Bristol, CT 06011-2728
Phone:(860)582-4761 Fax:(860)585-0338

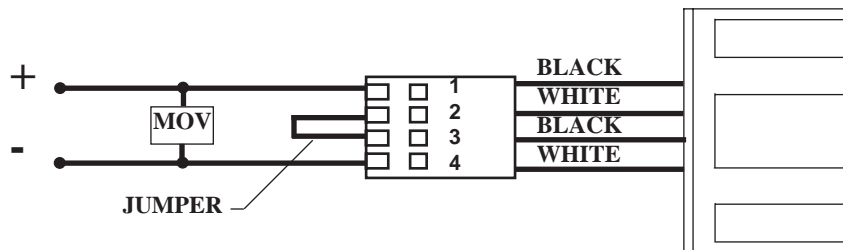
SERIES 2000/3000 x LCB ELECTROMAGNETIC LOCK WIRING INSTRUCTIONS

12 VOLT DC OPERATION



NOTE: TO PROTECT OTHER ELECTRONIC DEVICES IN SYSTEM CONNECT THE SUPPLIED MOV ACROSS THE LEADS AS SHOWN ABOVE.

24 VOLT DC OPERATION



NOTE: TO PROTECT OTHER ELECTRONIC DEVICES IN SYSTEM CONNECT THE SUPPLIED MOV ACROSS THE LEADS AS SHOWN ABOVE.

**FOR UNITS USING THE CIRCUIT BOARD
DISCARD THE MOV AND THIS PAGE.**