

SPECIFICATIONS

VOLTAGE: 12VDC/24VDC FIELD SELECTABLE

CURRENT: .750 AMP @ 12V
.375 AMP @ 24V

RATED HOLDING FORCE: 1200 LBS

OPTIONS LAYOUT

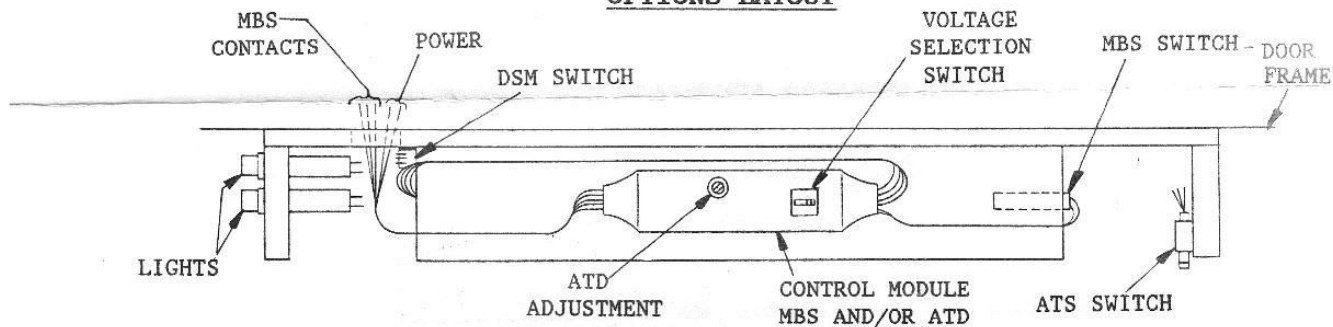


FIG. 1

MODEL 268-10 SHOWN FROM THE BACK WITHOUT COVER.

NOTE: FOR STANDARD MODELS, CONTROL MODULE CAN BE PLACED UNDER THE COVER.

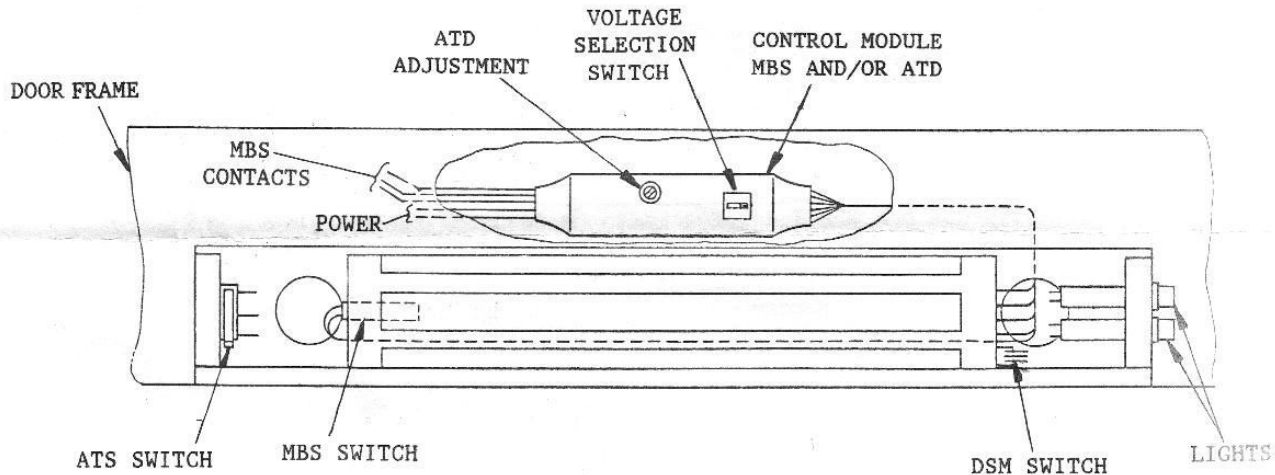


FIG. 2

MODEL TJ268-10 SHOWN FROM THE FACE WITHOUT COVER.

NOTE: FOR TJ MODELS, CONTROL MODULE MUST BE PLACED INTO THE FRAME OR FURTHER DOWN THE CONTROL LINE.



OPERATING VOLTAGE SELECTION

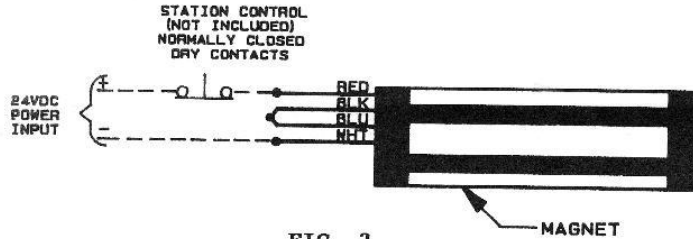


FIG. 3
24VDC CONFIGURATION FOR LOCKS WITHOUT
MBS AND/OR ATD OPTIONS

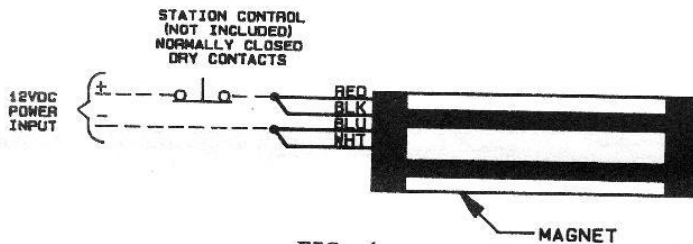


FIG. 4
12VDC CONFIGURATION FOR LOCKS WITHOUT
MBS AND/OR ATD OPTIONS

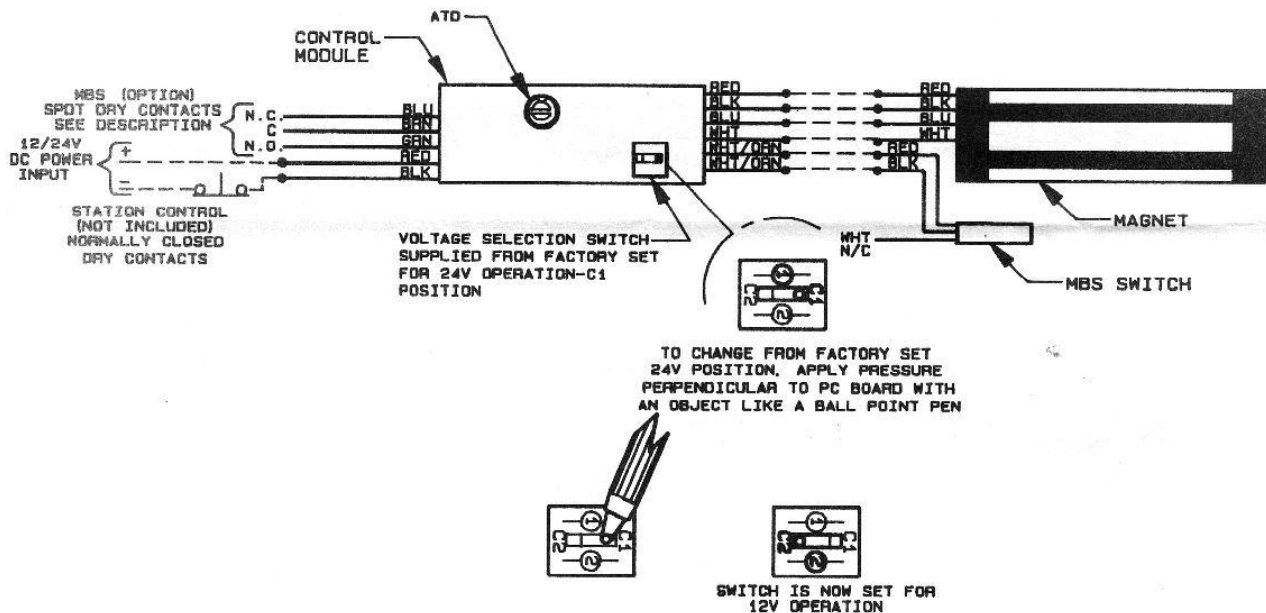


FIG. 5
CONFIGURATION FOR LOCKS WITH
MBS AND/OR ATD OPTIONS

ELECTRICAL OPTIONS:

RECTIFIER (RCP) OPTION

The RCP option allows operation of a direct current (DC) lock from a low voltage alternating current (AC) supply such as a 12 or 24 volt transformer. The RCP module converts the AC voltage to DC voltage supplied to the lock. One RCP module should be used for each lock. The RCP module has four leads. The two YELLOW wires are the low voltage AC input. They are connected to the low voltage side of the transformer. The RED wire is the positive (+) DC output. It is connected to the positive (+) lock input. The BLACK wire is the negative (-) DC output. It is connected to the negative (-) lock input.



FIG. 6

ADJUSTABLE TIME DELAY (ATD) OPTION

The ATD can be set to delay the relock from 0 to 30 seconds. To increase time, turn the adjustment potentiometer clockwise. To decrease time, turn the adjustment potentiometer counterclockwise. The ATD will operate whenever input power is interrupted and then reapplied. For location of the adjustment potentiometer, see Figure 5 on page 2.

DOOR STATUS SWITCH (DSM) OPTION

The DSM option provides a signal to indicate whether the door is open or closed. The lock mounting instructions should be followed closely to ensure reliable performance of this option. The DSM provides a signal via a set of form "C" dry contacts rated 100 mA resistive at 24VDC. These contacts are accessed by the RED, BLACK and WHITE wires. The contacts are labeled in the door opened condition which are WHITE, normally open (N.O.), BLACK, common (C) and RED, normally closed (N.C.). Closing the door causes the contacts across the BLACK and WHITE wires to close and the BLACK and RED wires to open. See Figures 7, 8 and 9 below.

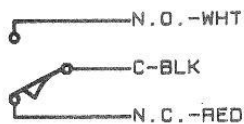


FIG. 7
CONTACT CONFIGURATION
WHEN DOOR IS OPEN

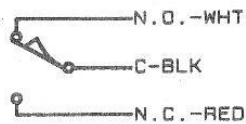


FIG. 8
CONTACT CONFIGURATION
WHEN DOOR IS CLOSED

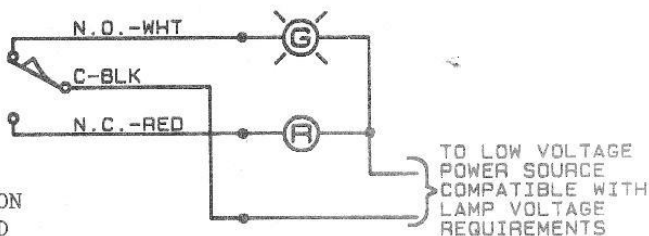


FIG. 9
WIRING EXAMPLE OF CONTACTS
USED TO SWITCH EXTERNAL
INDICATORS (NOT INCLUDED).
SHOWN DOOR CLOSED, GREEN
INDICATOR LIT.

WIRING DIAGRAM

MAGNETIC BOND SENSOR (MBS) OPTION

The MBS senses whether sufficient magnetic holding force exists to ensure adequate locking. It will respond to low line voltage, foreign materials in the magnetic gap, damage or dirty surfaces of the lock and/or armature. The MBS option provides a signal via a set of form "C" dry contacts rated 1 amp at 30VDC resistive load maximum. The dry contacts are accessed by three wires which are BLUE, BROWN and GREEN. They are labeled in a deenergized/no bond condition which are GREEN normally open (N.O.), BLUE normally closed (N.C.) and BROWN common (C). Once the lock is energized and the magnet and armature are properly bonded, the contacts will switch, at which time the common (BROWN wire lead) and the normally open (GREEN wire lead) will be closed contacts. See Figures 10, 11 and 12 below.

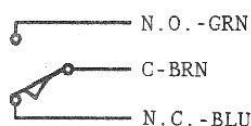


FIG. 10
CONTACT CONFIGURATION
WHEN INSUFFICIENT OR
NO BOND EXISTS

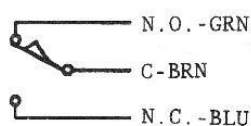


FIG. 11
CONTACT CONFIGURATION
WHEN GOOD BOND EXISTS

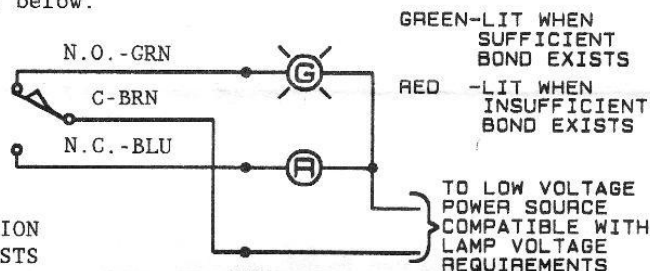


FIG. 12
WIRING EXAMPLE OF CONTACTS
USED TO SWITCH EXTERNAL
INDICATORS (NOT INCLUDED).
SHOWN DOOR CLOSED, GREEN
INDICATOR LIT.

ANTI-TAMPER SWITCH (ATS) OPTION

The ATS provides a signal to indicate removal of the housing cover. The ATS can be wired to an alarm, indicator or console to warn of unauthorized tampering with the lock. The ATS provides a signal via a set of Form "C" dry contacts. These contacts, which are identified in the cover removed (alarm) state are GRAY: common (C), ORANGE: normally open (N.O.) and YELLOW: normally closed (N.C.). With the cover in place, the contacts across the GRAY and ORANGE wires are closed. Removing the cover causes the contacts to open, indicating an attempted tampering with the lock. See Figures 13, 14 and 15 below. The ATS dry contacts are rated 5 amp at 125VAC and 3 amp at 250VDC resistive.

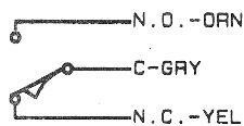


FIG. 13
CONTACT CONFIGURATION
WHEN HOUSING COVER
IS REMOVED

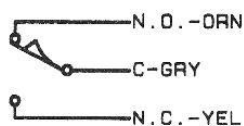


FIG. 14
CONTACT CONFIGURATION
WHEN HOUSING COVER
IS IN PLACE

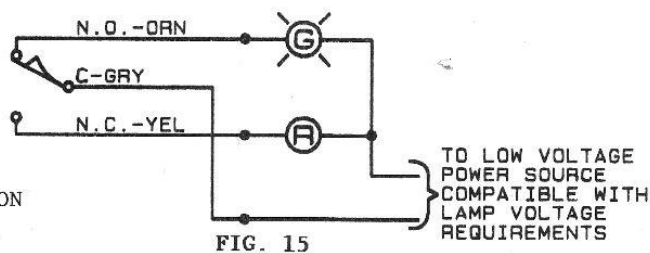


FIG. 15
WIRING EXAMPLE OF CONTACTS
USED TO SWITCH EXTERNAL
INDICATORS (NOT INCLUDED).
SHOWN WITH HOUSING COVER IN
PLACE, GREEN INDICATOR LIT.