

## **DOOR LOCK SENSOR & FRICTION CLUTCH**

Please read carefully prior to installing this operator

This operator is equipped with an electronic control board, which features the “DOOR LOCK SENSOR”.

The DOOR LOCK SENSOR prevents any damage to the door when the door lock hasn't been removed prior to electronic operation. It eliminates the need of expensive external interlock wiring.

This feature can only be used on operators equipped with a FRICTION CLUTCH.

When the lock stops the door, the clutch slips and in less than 1 second, the door will reverse a fraction of a second to release the lock.



### **! WARNING**

**THE Opera-HJ IS SUPPLIED WITH A LOOSE CLUTCH. THE CLUTCH SHOULD BE ADJUSTED ON SITE ONCE THE OPERATOR IS MOUNTED.**

**IN ORDER NOT TO DAMAGE THE DOOR WHEN THE LOCK IS ON, THE FRICTION CLUTCH HAS TO BE ADJUSTED PROPERLY ACCORDING TO THE INSTRUCTIONS PROVIDED IN THE OPERATOR MANUAL AND REPEATED BELOW**

### **CLUTCH ADJUSTMENT**

1. Adjustment of clutch is done by rotating the nut located at the end of the input shaft where the pulley 7" is located (Figure 1).
2. Rotate the nut counter-clockwise until there is insufficient tension to permit clutch to drive door.
3. Rotate the nut clockwise gradually (1/8 turns) until there is just enough tension on clutch to permit operator to move door smoothly, but to allow clutch to slip if door is obstructed.
4. When clutch is properly adjusted it should be possible to stop door by hand during travel.

### **! WARNING**

**THE FRICTION CLUTCH IS DESIGNED TO PROTECT VEHICLES AND DOOR HARDWARE AGAINST DAMAGE. IT IS NOT INTENDED TO PROTECT PEOPLE. ALL DOORS SERVING PERSONNEL ARE TO BE FITTED WITH AN APPROPRIATE REVERSING DEVICE OR REVERSING EDGE TO PREVENT INJURY OR DEATH.**

**We strongly recommend the use of an automatic reversing device. Several types are available as accessories. Consult your dealer for a recommendation.**

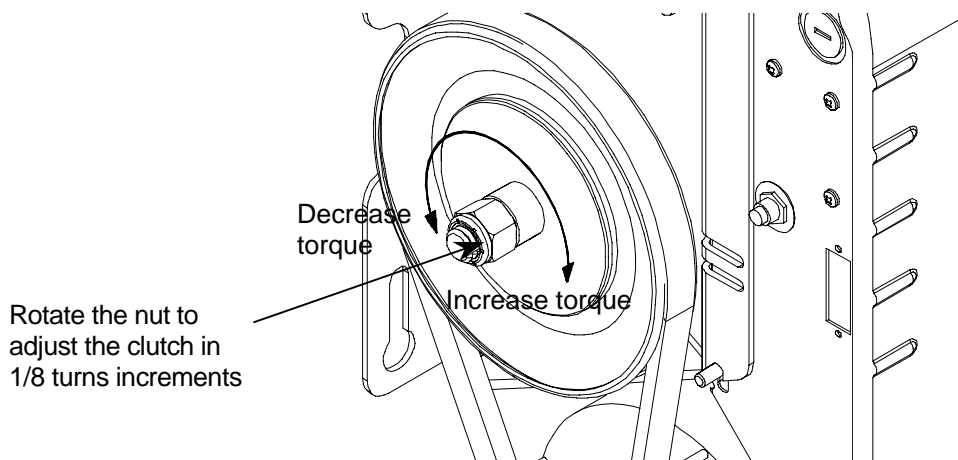


Figure 1 Clutch adjustment

Customer Service and Tech. Support:

Tel: 1-800-361-2260

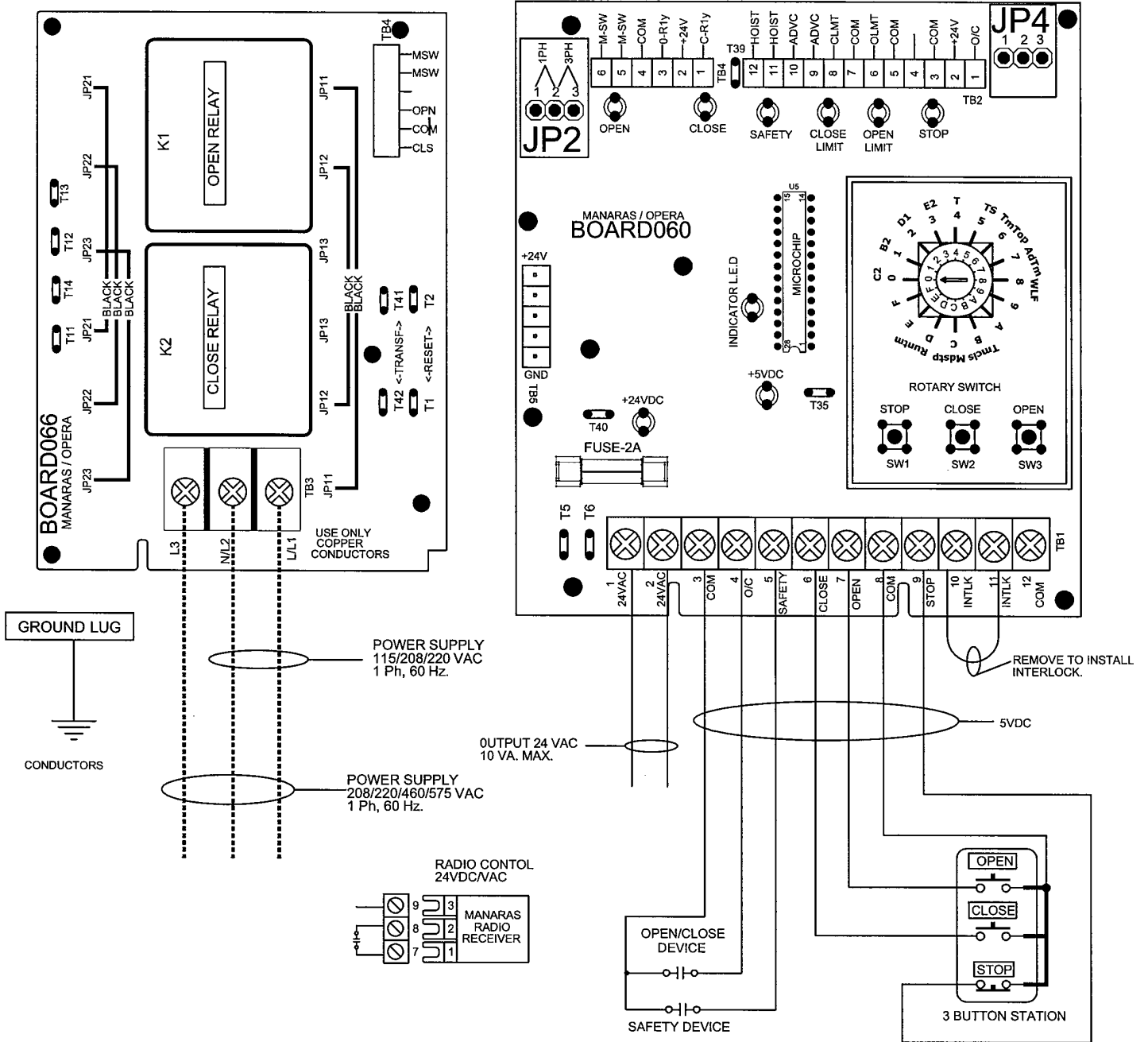
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# POWER AND CONTROL WIRING DIAGRAM



## IMPORTANT NOTES

**⚠ Before installing power and control wiring, be sure to follow all specifications described below. Failure to do so may damage the operator.**

- The operator must be properly grounded and connected in accordance to local electrical codes.
- Use different knockouts available on EACH side of the control box to pass the power and control wiring through.
- Ensure maximum separation between power wiring and low voltage control wirings in the control box.
- Please refer to the "Installation & Instruction Manual" for more details.

- If a push button is not used, a jumper must be placed between #8 & #9  
\*\*\*Under this condition a stop command is not available to stop the door during its travel.
- Please refer to Accessories Wiring diagrams (TN005E supplied with operator) before connecting any external accessories.
- 2 Amp fuse** is used to protect 24VDC on electronic board and also the 24VAC supply for auxiliary control devices.