BREAK-A-BEAM® INCORPORATED
PATENTED

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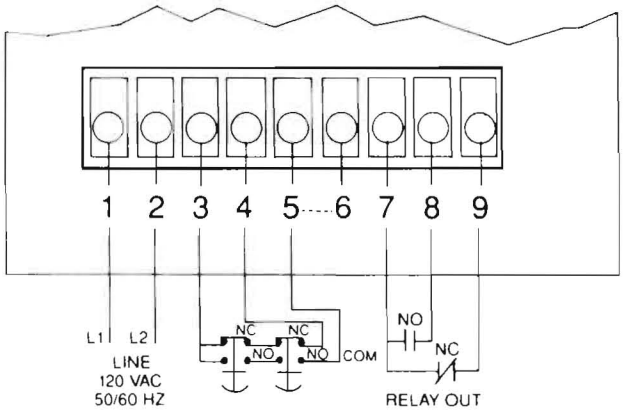
Wiring Instructions for M-555-A Anti-Tie-Down, Anti-Repeat Control Board

Wiring the Control Circuitry from the M-555-A Anti-Tie-Down Board to the M-200 Actuator

1. Connect the 120 VAC to Terminal #1 and Terminal #2 on the M-555-A Control Board.
2. A. Wire Terminal #3 to Group "A" **COM** and Group "B" **COM** on the first M-200 actuator.
   B Wire Group "A" **N.C.** on first M-200 to Group "A" **COM** on second M-200.
   C. Wire Group "B" **N.O.** to first M-200 to Group "B" **COM** on second M-200.
3. Wire Group "A" **N.C.** to Terminal #4 on M-555-A.
4. Wire Group "B" **N.O.** to Terminal #5 on M-555-A



Relay Coil Voltage: 24 VDC B-A-B M-555-A Relay
Fuse: 1 AMP Fast Acting (Littlefuse 312001)

Wiring the Output of the M-555-A

Breaking the beams of both M-200 actuators within 1/2 second will close the circuit between Terminals #7 and #8 and break the circuit between Terminals #7 and #9.

Wiring the Anti-Repeat Function

Note: If the Anti-Repeat Option is not used, Terminal #5 should be jumpered to Terminal #6.

- Wire Terminal #5 to common of customer supplied limit switch.
- Wire from normally closed terminal of customer supplied limit switch to Terminal #6 on M-555-A.

When the Limit Switch is actuated, the control output of the M-555-A Anti-Tie-Down, Anti-Repeat, Control Board is lost.

CAUTION:

Read instruction manual before installing. Customer is solely responsible for installation.

- ☐ Warning – The possibility of electrical shock could result from improper installation.
- ☐ Color code systems of wiring are different for electronic and electrical equipment.
- ☐ Test for anti-tie-down operation before installing Break-A-Beam actuators.
- ☐ Break-A-Beam® should only be used where point of operation guarding devices have been properly installed and maintained so that all appropriate OSHA and ANSI B 11.1 regulations and standards are met. Misapplication of these products on machinery lacking effective point of operation safeguards can cause serious injury to the operator.
- ☐ Specifications subject to change without notice or incurring obligation.