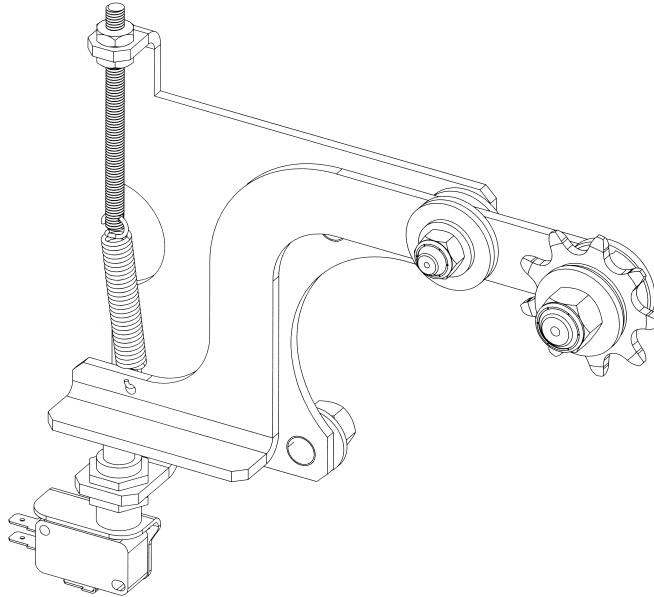


General



The Mechanical Door Lock Sensor is available on the **Opera-HJ** model with **Electronic Control Board** only.

Function

The Mechanical Door Lock Sensor will sense any extra load that is placed on the operator's reduction. When extra tension is sensed, it will stop the operator from running (specially designed to detect mechanical door lock).

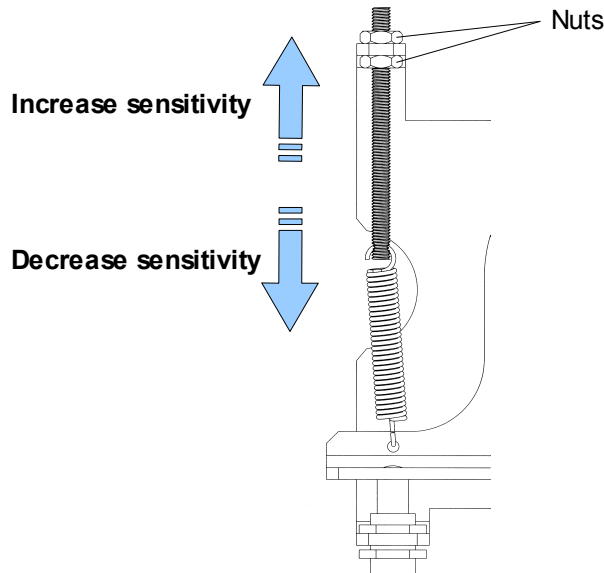
Operation

The Mechanical Door Lock Sensor detects all tensions on the door at the fully closed position and will stop the door while opening only.

Adjustment

NOTICE

- This feature is delivered with a standard sensitivity adjustment.



To adjust the sensitivity:

1. Unlock the nuts with two (2) 3/8" keys.
2. Rotate the nut counter-clockwise to **increase sensitivity** (decrease spring tension) or clockwise to **decrease sensitivity** (increase spring tension).
3. Lock the nuts.

To test the sensitivity:

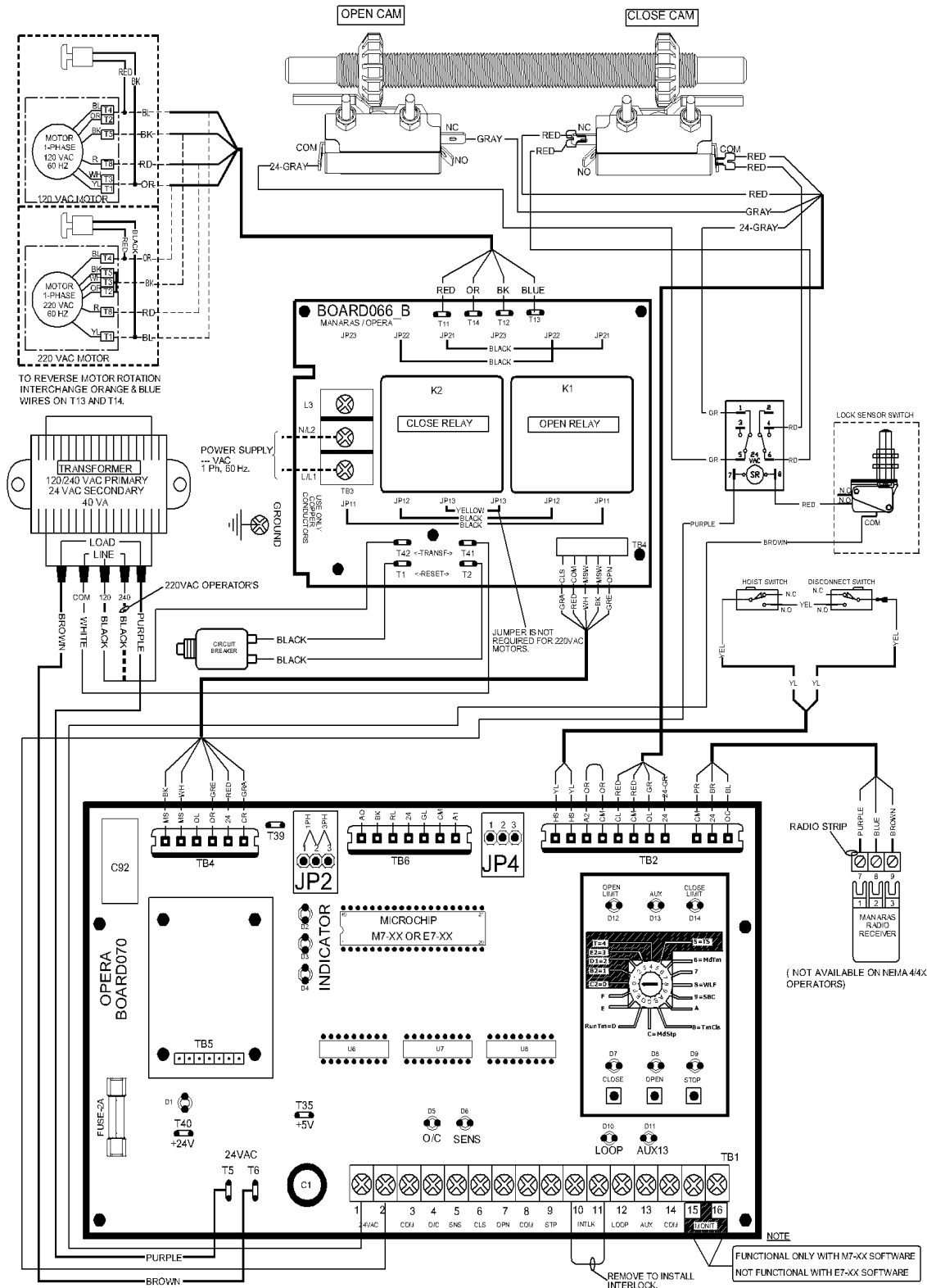
1. Perform a complete cycle (opening and closing) → Mechanical Door Lock Sensor should **not stop** the door.
2. Perform a reverse operation from mid-way travel → Mechanical Door Lock Sensor should **not stop** the door.
3. Perform an opening cycle from the fully closed position and manually hold the door during its upward motion → Mechanical Door Lock Sensor should **stop** the door.

NOTICE

- Improper Mechanical Door Lock Sensor adjustment may cause the following :

Symptom	Suggested Action
Mechanical Door Lock Sensor is activated and the door stops while it is in motion.	→ Adjust the sensitivity and re-test the door.
Mechanical Door Lock Sensor is activated and the door stops while it is closing from the fully open position and the INDICATOR LED flashes.	→ Adjust the sensitivity and and press the CLOSE button. If the INDICATOR LED flashes again, clear the close limit switch and press the CLOSE button once more.

Wiring Diagram – 1 Phase Operator





Mechanical Door Lock Sensor

MOD115 - Instructions



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