

INTERFACE MODULE START-UP INSTRUCTIONS

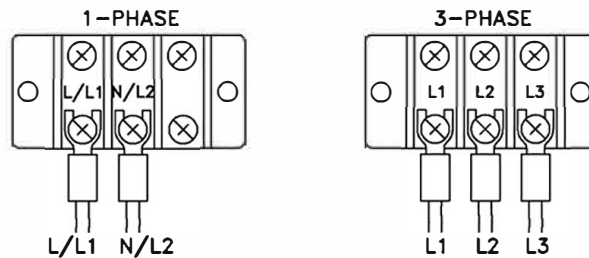
NOTE: THIS OPERATOR COMES WITH AN INTERFACE MODULE INTEGRATED INTO THE CONTROL CIRCUIT. THE PURPOSE OF THE INTERFACE MODULE IS TO ALLOW FOR FAILSAFE MONITORING OF A NICE COMPATIBLE SAFETY DEVICE AS PER UL 325 (2010) REQUIREMENTS.

Important: Follow these steps carefully and in the order shown

1) Connect Power supply:

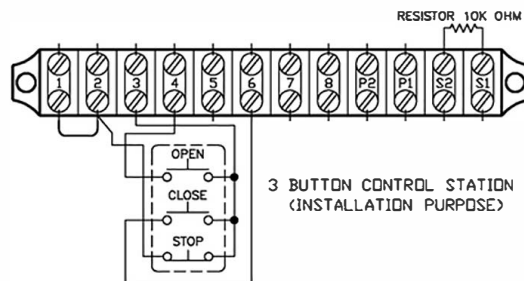
Single phase: Connect single phase power supply to terminals L/L1 and N/L2 on the 3-pole power terminals strip.

3-phase: Connect 3-phase power supply to terminals L1, L2 and L3 on the 3-pole power terminal strip.



2) Connect Push-button station for installation purposes (single phase or 3-phase):

Connect open/close/stop push button station to terminals T2 (stop), T3 (common), T4 (open) and T6 (temporary CP on close).



3) Verify motor direction:

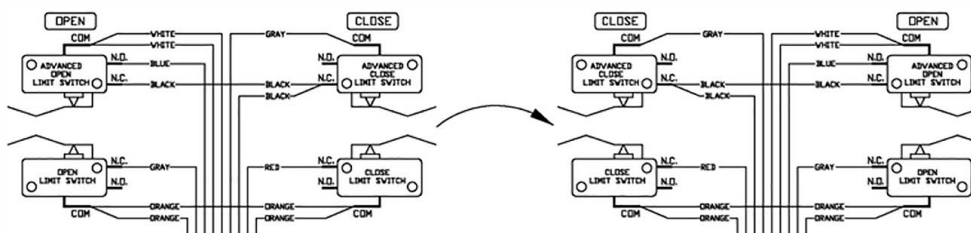
After the electrical power connections are made and push button station is connected, manually move the door to mid-position. Press Close button for several seconds and then press stop button. If door did not move in correct direction (or if limit cams not moving in correct direction towards the close limit switch) see below:

Single phase operators: The operators leave the factory with correct motor and limit shaft direction according to standard door installations. However, for special fire door, thru-wall mounting or other special door applications, the motor direction and limit switch direction may need to be reversed. To reverse the motor rotation:

- For commercial door operators: Interchange black and white wires going to motor on the reversing contactor.
- For limited duty operators: Interchange Red and Yellow wires on the motor capacitor located in the control box.

Then interchange grey and red wires on open and close limits. Interchange white and grey wires on advanced open and advanced close limits. Remove blue wire from advanced open limit and place it on N.O pin of advanced close limit.

3-phase operators: If door moves in wrong direction, turn off incoming power and reverse any two of the three incoming power supply leads to correct rotation. Press the open button and then activate the open limit to ensure door stops. If door does not stop, interchange grey and red wires on open and close limits. Interchange white and grey wires on advanced open and advanced close limits. Remove blue wire from advanced open limit and place it on N.O pin of advanced close limit.



4) Adjust limit switch cams:

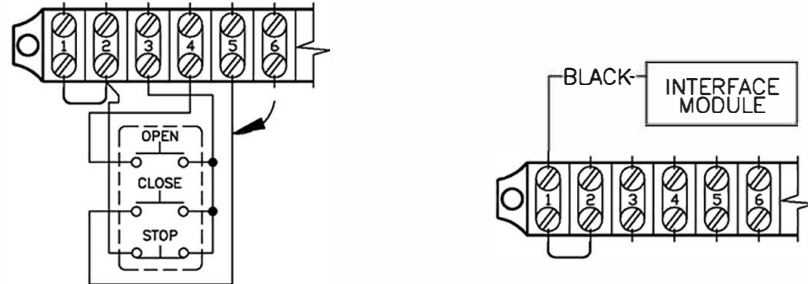
Using the open/close/stop push button station move door to fully closed and fully open oppositions and set limit cams to correct position. (See installation manual for complete detail on the end of travel limit adjustments).

5) Activate Interface module:

After adjusting the open and close limits and verifying the motor rotation, open the door to the full-open position using the open push button (Figure below on left).

At this point the close pushbutton wire must now be moved from terminal T6 to T5. Now connect the black wire to terminal T1 as shown in figure below on right.

Note: **Ensure the door is in the full open position before connecting the black wire. If door is not in full open position and monitored photo-eyes or safety edge are not connected and operational then door will immediately move in the open direction.**



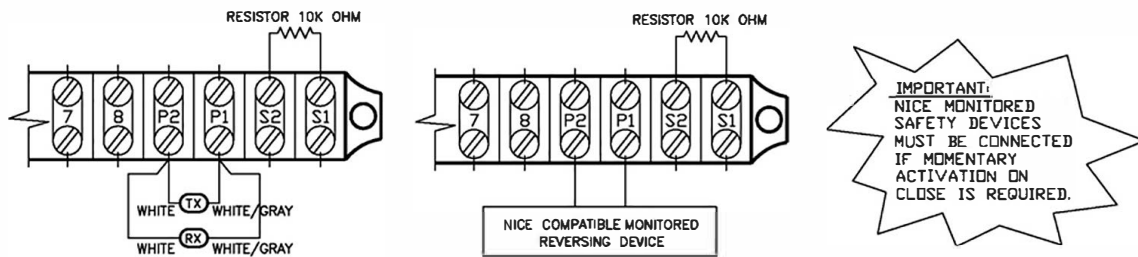
6) Connect safety devices

Failsafe feature: A monitored failsafe safety feature is built into the operator. The operator has provisions to connect one primary monitored safety device as well as one or more non-monitored safety device(s).

Primary monitored safety device:

Nice monitored failsafe photo beams or Nice compatible monitored failsafe devices must be connected to terminals P1 and P2 if momentary close on pushbutton is required (B2 mode). If not connected, door can only be closed by constant pressure on close pushbutton. If constant pressure on close pushbutton is removed before door reaches full closed position, then door reverses to full open.

Note: *Only one monitored failsafe safety device can be connected across terminals P1 and P2.*



Secondary non-monitored safety device(s):

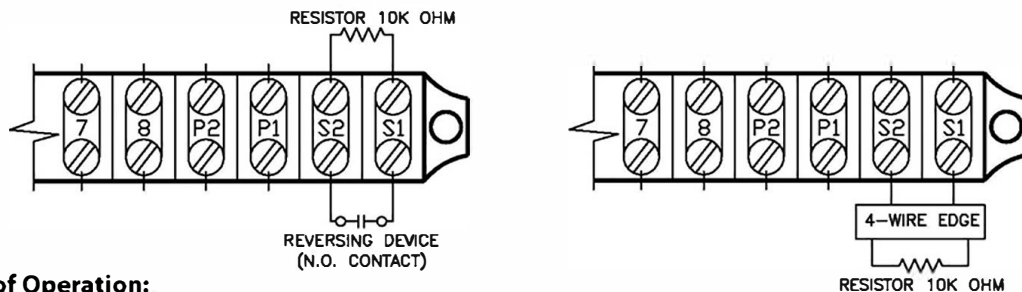
A standard 2-wire safety edge, non-monitored reflective or thru-beam photo eye or any other non-monitored reversing devices with a N.O dry contact can be connected to terminals S1 and S2.

Note: *More than one secondary non-monitored safety device can be connected to terminals S1 and S2.*

Important: Do not remove resistor that is factory installed across terminals S1 and S2 unless installing a 4-wire electric edge.

4-wire electric edge Connection

A standard 4-wire electric edge can be connected across S1 and S2 terminals as a secondary safety device. Remove the factory installed resistor across terminals S1 and S2 and install resistor across the black and white pair of wires from the electric edge and connect the remaining black and white wire to the S1 and S2 terminals.



7) Select Mode of Operation:

C2 mode of operation (momentary on open, constant pressure on close):

The operator is wired at the factory for momentary on open and constant pressure on close. For commercial operators, white wire is connected to terminal T6. For limited duty operators, the purple wire is left unconnected.

B2 mode of operation (momentary on open, momentary on close):

If momentary on close is required: For commercial operators, remove the white wire from terminal T6 and place it on terminal T3. For limited duty operators, connect purple wire to terminal T5.

The operator functions in B2 mode only when the primary monitored safety device is connected and functioning properly. If it is not connected, operator will go into fault mode and door can only be closed by constant pressure on close and if constant pressure on close is removed before door reaches full close position, door reverses to full open.