

Brake Resistor BRKIT001A

Wiring Instructions



WARNING

To reduce risk of SEVERE INJURY or DEATH to persons:

- All electrical wiring should be done by a qualified professional and in accordance to local electrical codes.
- Always shut OFF the main power before performing any electrical intervention.
- Use proper wire gauge for incoming power line. Use copper conductors only.
- Use cable type CL2, CL2P, CL2R, or CL2X complying with the Standard “UL13 - Power-Limited Circuit Cables” for accessory connections.
- Install operator main circuit breaker next to operator for easy access for power shut-off.
- Use separate knockouts on operator control box for accessories and main power cables.
- Always separate low and high voltage wires.
- Operator should be properly grounded to the building ground and to the main power supply ground lug.
- Always use suitable and appropriate rating circuit breakers for operator protection.
- Compare available power supply voltage to voltage on operator name plate prior to electrical connection. Failure to connect appropriate power supply voltage may cause serious damage to the operator.

NOTICE

- THE OPERATOR MUST BE ADEQUATELY PROTECTED AGAINST OVERCURRENT AND SHORT-CIRCUIT.
- PLEASE REFER TO LOCAL ELECTRICAL CODE.
- PLEASE REFER TO NATIONAL ELECTRIC CODE (NFPA 70) ARTICLE 430 SECTION IV (430.51 / 430.52 / 430.53).
- PLEASE REFER TO CANADIAN ELECTRIC CODE (CSA 22.1) SECTIONS 28-200 / 28-206.

Braking Resistor (Optional)

The Braking Resistor, if supplied with the operator, must be connected to the Variable Frequency Drive inside the control box. The Braking Resistor is required when the door is heavy or not properly counter-balanced. It ensures that the Variable Frequency Drive disperses excess energy when the door is closing. If the Braking Resistor is not present under these conditions, it can cause failure of the Variable Frequency Drive. Refer to the figures below for wiring instructions.

