



Instruction Manual For D-Series Brake Fast Response Kits

SAFETY NOTICE: **WARNING** statements describe conditions that may lead to personnel injury including potentially fatal injuries if the machine is improperly used and warnings are not followed.

Caution statements describe conditions that may lead to equipment damage.

- WARNING:** Be sure to read and follow all Instruction, Warning and Caution statements in the appropriate motor manual. Failure to do so may result in serious or fatal injury.
- WARNING:** Only qualified personnel should attempt the installation, operation and maintenance of this equipment. Proper guards and other suitable safety devices or procedures as may be desirable or as may be specified in safety codes, are neither provided by Baldor nor are the responsibility of Baldor. Safety devices are the owners responsibility.
- WARNING:** Disconnect all electrical power from the motor and accessory devices and TAG Power Source before performing this procedure. Electrical shock can cause serious or fatal injury.
- Caution:** Do not use connection diagram on the brake label! Connect brake as described here only. Failure to connect as shown could result in damage to the fast response circuit.
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Receiving & Inspection

When you receive your control, there are several things you should do immediately.

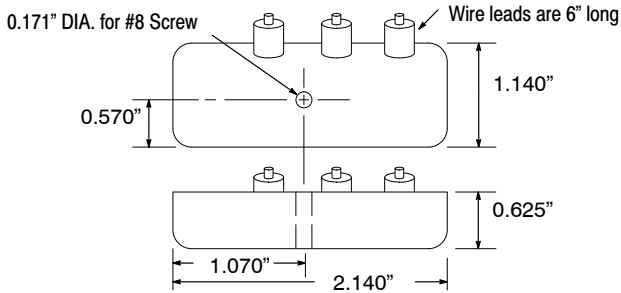
1. Observe the condition of the shipping container and report any damage immediately to the commercial carrier that delivered your control.
2. Remove the control from the shipping container and remove all packing materials from the control. The container and packing materials may be retained for future shipment.
3. Verify that the part number of the control you received is the same as the part number listed on your purchase order.
4. Inspect the control for external physical damage that may have been sustained during shipment and report any damage immediately to the commercial carrier that delivered your control.

Fast Response Circuit

Description This fast response circuit is designed specifically for use with D-Series Motor Brakes. It allows the brake to provide a faster drop out time (time to braking). Catalog FRBK115230 is for use with 115/230VAC brake coils. Catalog FRBK230460 is for use with 230/460VAC brake coils.

Mounting Fast response circuit may be mounted inside the motor conduit box. Dimensions are shown in Figure 1. A strip of 3M VHB double sided adhesive tape is provided to attach the fast response circuit to the inside surface of the conduit box. It is recommended the surface be cleaned with a 50:50 mixture of Isopropyl Alcohol and water. An optional 0.171 diameter hole for a #8 screw is provided in the center of the package to facilitate mounting.

Figure 1



Caution: Do not use connection diagram on the brake label! Connect brake as described here only. Failure to connect as shown could result in damage to the fast response circuit.

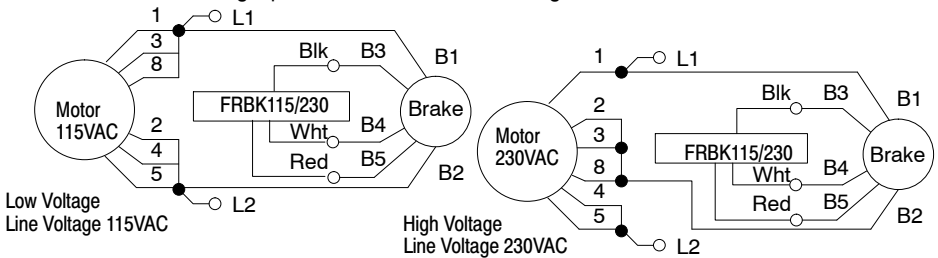
Wiring

Connections shown are for dual voltage, single phase motors and three phase WYE connected motors.

Connection diagram for brake motor with D-Series or Short Series brake and fast response circuit.

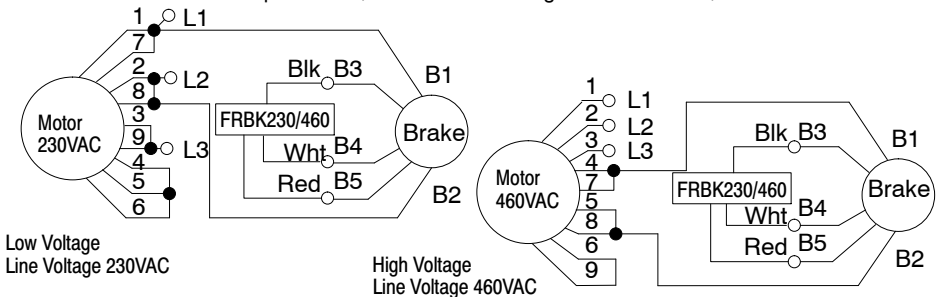
Catalog FRBK115230

For single phase 115/230VAC dual voltage motor with 115/230VAC brake.



Catalog FRBK230460

For three phase 230/460VAC dual voltage motor with 230/460VAC brake.



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