



1334-MOD-T30

1334-MOD-T31

1334-MOD-T32

15, 20 & 25 HP, 575V Motor Overload Relay

Description The Bulletin 1334 Motor Overload Relay Option Kit provides an Allen-Bradley Bulletin 592 Overload Relay that installs on the Drive chassis and is connected between the Drive output and the motor. The overload relay contact is connected to Drive terminal block 1TB. Should the thermal overload trip open, the contact will cause a stop command to be issued by the Modulator Logic Board, and the Drive will either ramp-to-stop or coast-to-stop as set by the RTD S/OFF jumper on the Modulator Logic Board.

The heater elements provided with the kit are based on the Drive's output current. To choose the correct element, motor nameplate and application requirements, along with Allen-Bradley Heater Element Table 181 provided with the kit, must be checked by the user.

For 15 HP 575V Drives Each 1334-MOD-T30 Option Kit Includes —

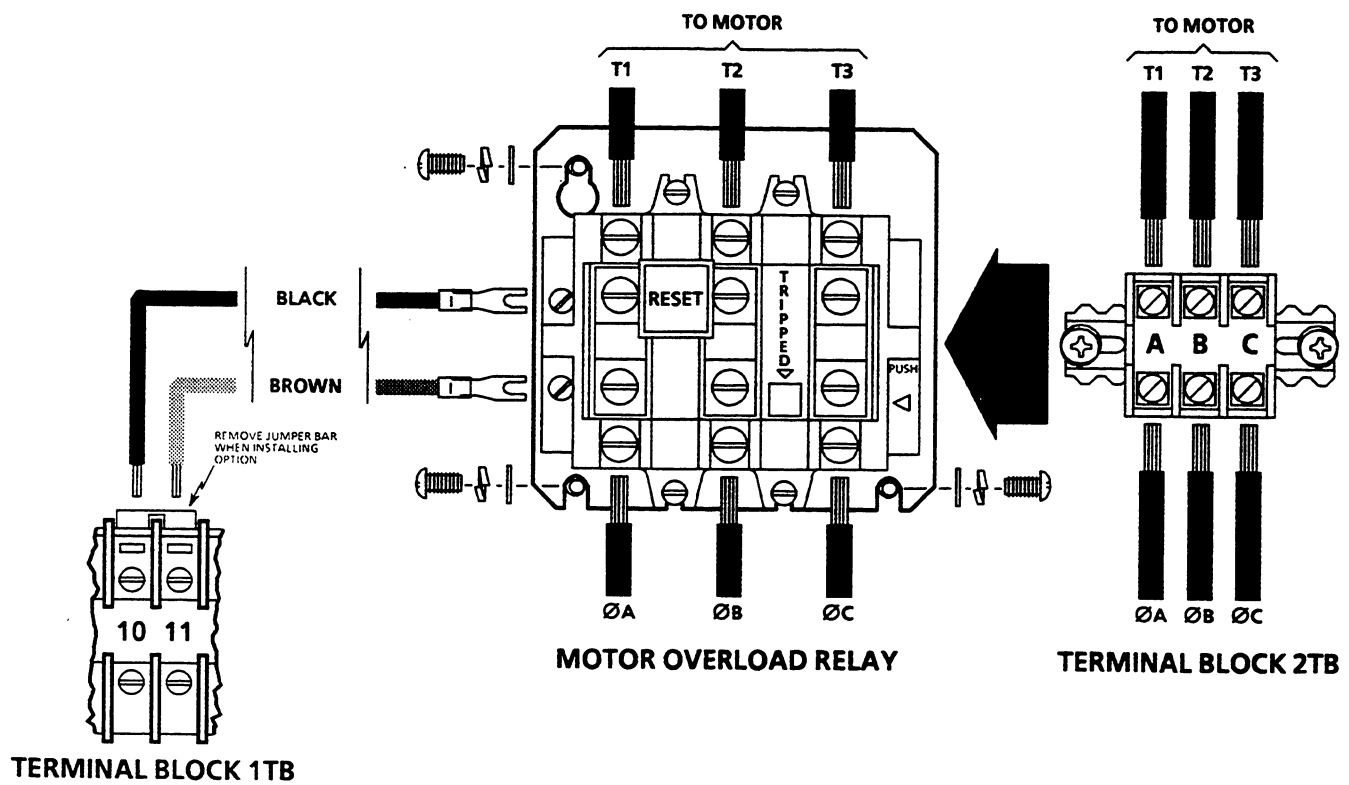
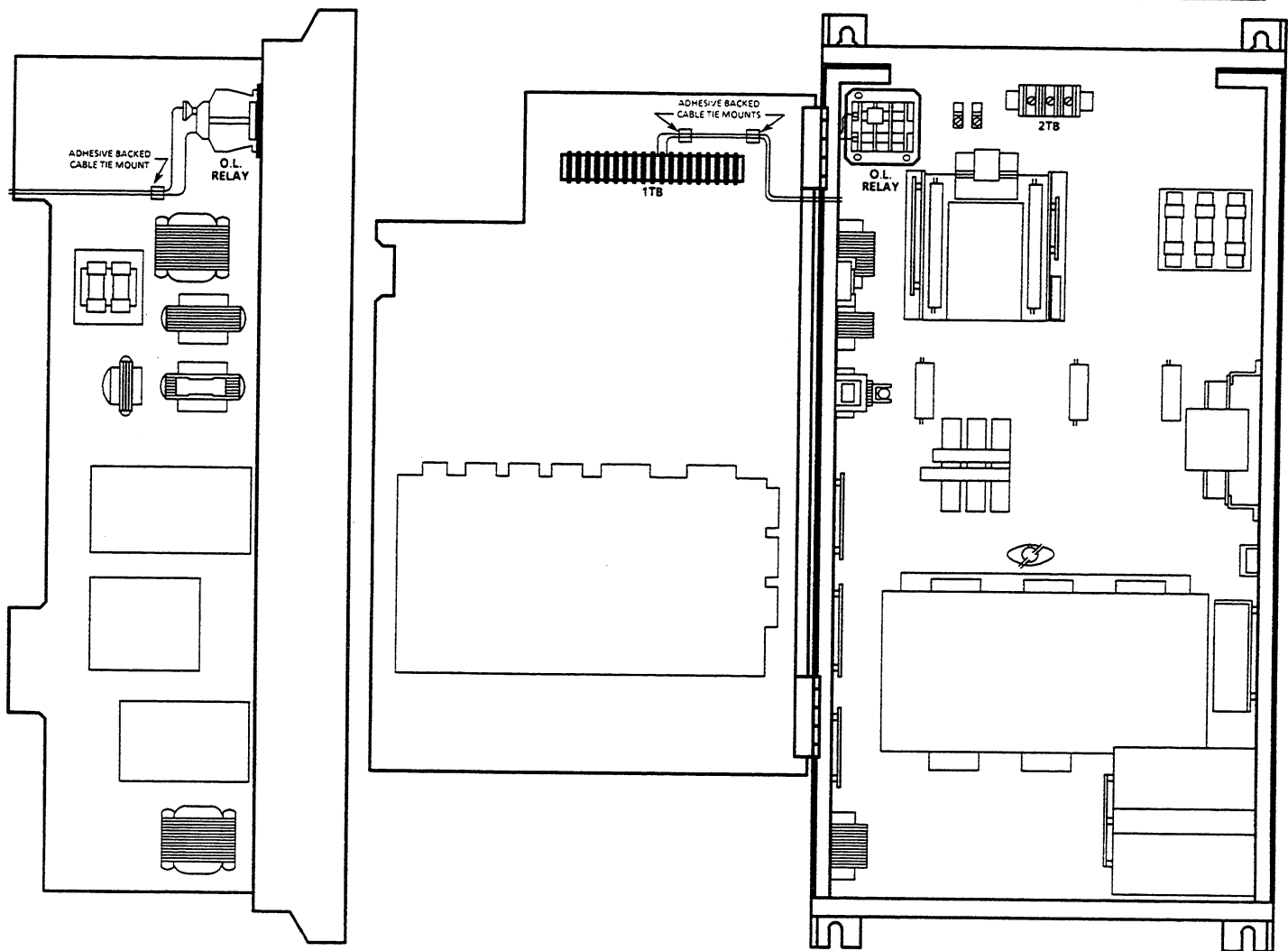
- (1) Bulletin 592 Motor Overload Relay, P/N 201208
- (3) Allen-Bradley Type W58 Heater Elements, P/N 201304-W58
- (3) 10-32 $\frac{1}{2}$ " Hex Head Screws, P/N 209708
- (3) #10 Split Lock Washers, P/N 209716
- (3) #10 Flat Washers, P/N 235466
- (6) Cable Ties, P/N 222747
- (6) Adhesive Backed Cable Tie Mounts, P/N 238848
- (1) Wire Harness, P/N 197175

For 20 HP 575V Drives Each 1334-MOD-T31 Option Kit Includes —

- (1) Bulletin 592 Motor Overload Relay, P/N 201208
- (3) Allen-Bradley Type W61 Heater Elements, P/N 201304-W61
- (3) 10-32 $\frac{1}{2}$ " Hex Head Screws, P/N 209708
- (3) #10 Split Lock Washers, P/N 209716
- (3) #10 Flat Washers, P/N 235466
- (6) Cable Ties, P/N 222747
- (6) Adhesive Backed Cable Tie Mounts, P/N 238848
- (1) Wire Harness, P/N 197175

For 25 HP 575V Drives Each 1334-MOD-T32 Option Kit Includes —

- (1) Bulletin 592 Motor Overload Relay, P/N 201568
- (3) Allen-Bradley Type W63 Heater Elements, P/N 201304-W63
- (3) 10-32 $\frac{1}{2}$ " Hex Head Screws, P/N 209708
- (3) #10 Split Lock Washers, P/N 209716
- (3) #10 Flat Washers, P/N 235466
- (6) Cable Ties, P/N 222747
- (6) Adhesive Backed Cable Tie Mounts, P/N 238848
- (1) Wire Harness, P/N 197175



Installation



WARNING

Only personnel familiar with the Drive and its associated machinery should plan or implement the installation, startup, and adjustment of MOD kits. Failure to comply may result in personal injury and/or equipment damage.

To guard against personal injury, always remove & lock out power to the Drive at the main supply disconnect and all other power source disconnects. Ensure that DS1 is not lit when boards or wires are being installed or connected. Refer to the instruction manual for your Drive for LED location.

Motor Overload Installation

Installation involves disconnecting and tagging all wires at terminal block **2TB**, removing the terminal block and installing the Bulletin 592 Motor Overload Relay.

The relay will serve as both a motor overload relay and the Drive output terminal block once installed. The relay is mounted in the upper left hand corner of the Drive backpanel over the (3) predrilled and tapped holes provided. Use the (3) hex head screws, lock washers, and flat washers provided to secure the relay in place.

Once the relay is installed, select and install the correct heater-elements using the motor nameplate data, application requirements, and **Allen-Bradley Heater Element Table 181**. Apply the appropriate overload relay labels included with the kit to the middle of the Drive's acrylic panel. Refer to the Allen-Bradley instructions included with the Bulletin 592 Overload Relay for additional information.

Wire Harness Installation

Remove the jumper bar between terminals **10 & 11** at terminal block **1TB**, then route and connect the two-wire harness assembly between the Bulletin 592 Motor Overload Relay and terminals **10 & 11**. Tie the wire harness to the existing main harness and use the adhesive backed cable ties and tie mounts as required. Reconnect all wires to the motor overload relay as shown.

Operation

The overload relay's normally closed auxiliary contact is connected to terminals **10 & 11** at **1TB**. While the contact remains closed, Drive output current passes through the installed heater elements of the overload relay allowing the Drive to operate normally. Should the thermal overload trip open, the contact will cause a stop command to be issued by the Modulator Logic Board, and the Drive will either ramp-to-stop or coast-to-stop as set by the **RTD S/OFF** jumper on the Modulator Logic Board.

TO RESET THE RELAY —

- Remove Power From the Drive at the Disconnect Device
- Wait a Few Minutes to Allow the Heater Elements to Cool Down
- Depress the Reset Plunger Until a Click Is Either Heard or Felt
- Reapply Power & Start the Drive



ALLEN-BRADLEY
A ROCKWELL INTERNATIONAL COMPANY

Motion Control Division

Publication 1334-5.0.36 – November, 1988

P/N 201407-136

Printed in U.S.A