

Installation Instructions

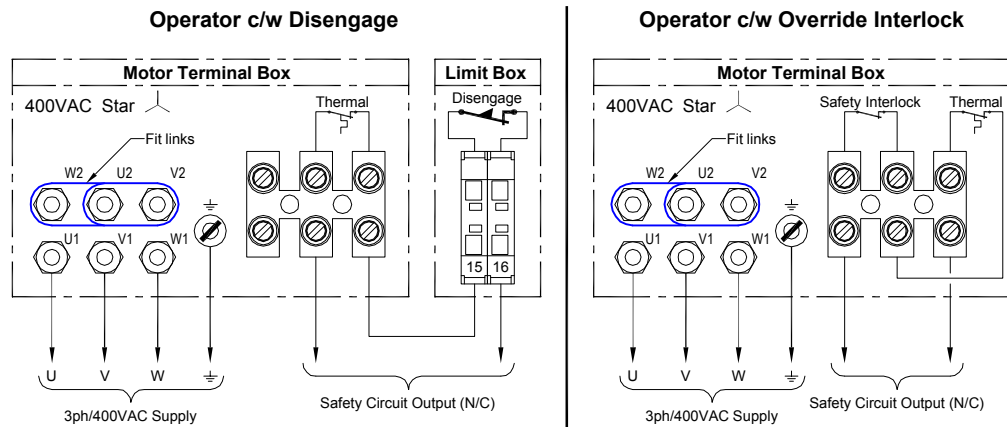
1. Mount the operator securely in position using a suitable mounting plate.
2. Manually operate the door & adjust the limit switches so that they correspond to the positions across.
White Cam: Fully Open **Green Cam:** Fully Closed
3. Ensure that the power supply is suitably fused (max. 6 Amps).
Connect the power supply to the control panel.
Connect the power supply, limits and safety circuit from the door operator to the control panel.
Manually operate the door to the mid-position and check that the door operates electrically in the correct direction.

WARNING! After initial installation the operator may rotate in the wrong direction so be prepared to press the Stop button to prevent possible damage the door. To correct the operator direction, interchange two of the incoming supply phases with each other.

Caution!

The operator will not function if the override interlock is activated e.g. the haul chain is on the chainwheel.

Power & Safety Circuit Connections



Safety Circuit

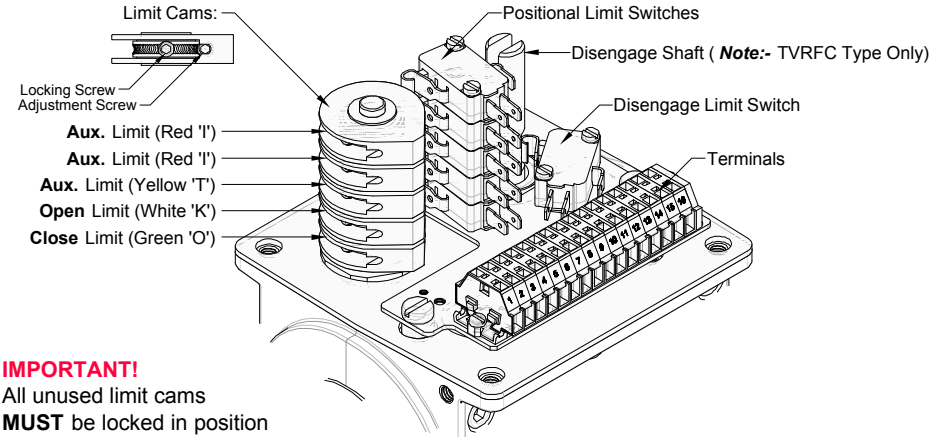
The safety circuit combines the Thermal Trip and, for operators with Manual Override, the Interlock Switch. The Thermal Trip is a heat sensitive switch embedded in the motor windings that will operate should the motor be overloaded. The Hand Chain Interlock provides a means of control circuit isolation to prevent electrical operation whilst the door is being operated manually.

Note:- For operators with a Disengage Clutch, the Disengage Switch Output must be connected in series with the Motor Safety Circuit.

Limit Switch Setting & Adjustment

The limit switches provide a signal to stop the door when it reaches the fully open & fully closed positions. The limit switches must be adjusted and wired to the control panel to ensure that the door stops in the correct position.

Limit Switch Layout



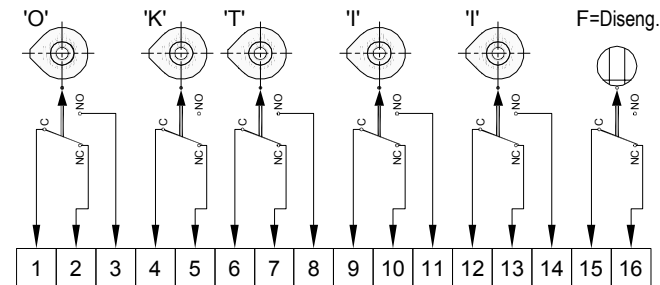
IMPORTANT!

All unused limit cams **MUST** be locked in position

How to Set the Limit Switches

1. Remove the terminal box cover from the operator (**Note:-** Limit switches are supplied unset).
2. Manually wind the door in the close direction, noting the direction of travel of the 'Green' cam, until the desired closed position is reached.
3. Loosen the locking screw on the limit cam and rotate the cam in the required direction.
For fine adjustment use the adjustment screw. Secure in position via the locking screw.
4. Repeat Steps b) and c) for the open direction of travel using the 'White' cam instead.

Limit Switch Connections



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Title:-

TVR OPERATOR RANGE (TVR, TVRA & TVRFC)
LIMIT SWITCH SETTING & ELECTRICAL INSTALLATION INSTRUCTIONS

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