


Motor
Operators



Vertical
Break



Vacuum
Interrupter



Side
Break



V-Style
Break



Installation Instructions for Turner Electric RLB, RLS and RLM TECO-Rupter® Vacuum Interrupters

Oct, 2009

TECO-Rupter VACUUM INTERRUPTER

These instructions do not purport to cover all details or variations in equipment, nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred direct to the Turner Electric, LLC factory at 1-618-797-5000.

RECEIVING:

Customer should check material against packing list (attached to crate in waterproof package) upon receipt; to be sure all parts have been received. If crated switch box or vacuum interrupter box is damaged, material should be checked against Bill of Material for broken or missing components.

If possibility of damage exists, remove the interrupter and:

- (A) Locate so that there is proper clearance from surrounding objects.
- (B) Prop open interrupter unit with a piece of dry wood or fiberglass. Check that the contacts are open by listening for a "Pop" sound when the arm is moved to the open position.
- (C) High potential testing, in addition to careful visual inspection, provides the best means of verifying the condition of the interrupter.
- (D) A high potential voltage (20KV) is to be connected across each open interrupter contact and the voltage slowly increased. A defective module will break down well below 20KV. (See Photo #1). If damage is found or suspected, file a claim as soon as possible (no longer than 15 days after receipt) with the delivery transportation company and notify your Turner Electric representative.

STORING:

Vacuum interrupters are fragile and must be handled with care. Live parts must not be subjected to rough handling.

INSTALLATION:

- 1.1 Unwire switch poles, and with rotating insulator, operate individually checking to be sure that each pole is in perfect adjustment. If not, Section 4 should be repeated.
- 1.2 Mount interrupter onto TECO-Rupter mounting bracket as shown in Photo #2.

1.3 Locate and secure pick-up hardware to its blade at hook radius dimension and attitude shown on attached drawing and Photo #3.

1.4 It should be noted that the dimensions might vary slightly.

Open the blade slowly, making sure that:

- (A). Pick-up hook on blade engages interrupter arm while the auxiliary switch is still in contact. See Photo #4.)
- (B). Once the parallel circuit that was established via the auxiliary switch is broken, the primary circuit is through the interrupter.
- (C). When the blade pick-up hook reaches the indicated red zone on the interrupter arm, the circuit will open. (See Photo #5).
- (D). Open circuit indication would be a loud pop signal. Continued travel within the red zone is over travel that has been programmed.
- (E). The interrupter arm will drop off and recock itself for the next operation while the blade goes to the full open position.

1.5 Close each blade slowly, paying particular attention to be sure springs pass the interrupter actuator arm. (See Photo #6).