

Hubbell Versa Tech Recloser Operation V4.26

- **Caution:**
- **The casing of the unit is energized @ 14.4 kV when unit is closed**
- **Cycle the red non recloser handle twice within 30 seconds to enable HLT (blocks close) (beacon will flash a couple of times)**



Lockout with red non reclosing lever up:

- Yellow manual operating handle will be down
- Unit has detected downstream fault and has gone through its auto reclose operations to lockout, most common auto reclose operations are 2A (fast) and 2C (delayed)
- If battery is dead, unit will operate to lockout and a manual close after lockout cannot be performed until the battery is changed.
- After lockout the lockout beacon will flash for 4 hrs or till closed, if battery is dead, the lockout beacon will not flash
- Confirm unit is opened or separated by checking for potential on the load side of the recloser
- Operation counter will show total number of operations

Lockout with red non reclosing lever down (single trip or HLT):

- Yellow manual operating handle will be down
- Unit has detected downstream fault and has gone to lockout with no auto reclose operations (single trip)
- After lockout the beacon will flash for 4 hrs or till closed, if battery is dead, there is no beacon flashing
- Confirm unit is opened or separated by checking for potential on the load side of the recloser
- Operation counter will show total number of operations

For manual close:

- [Cold Load Pick-up \(CLPU\) is enabled](#) via program on manual close. The red non-reclose lever down has no effect on this operation. One slow operation to lockout (allows downstream fuse to clear or melt)
- Push yellow operating lever up – very little force necessary
- The recloser has a programmed delayed manual close of 10 seconds
- The beacon will flash for the duration of this delayed manual close (10 sec)
- After 10 seconds, a click sound will be heard indicating the recloser has closed
- Confirm the unit is closed by checking for potential on the load side of the recloser
- On successful reclose, the single trip or HLT option via the red lever can be enabled

Fails to manual close:

- [Hot Line Tag is engaged](#) (version 4.10 or >), to close lift red lever up to remove HLT status
- Dead battery (will not close manually), replace battery asap
- If battery is not available, open upstream protective device, bypass Hubbell, close upstream protective device

For manual open:

- Before manually opening confirm battery has enough voltage to flash the beacon (Place unit into HLT)
- Pull the yellow manual operating handle down
- Confirm open by checking for potential on the load side of the recloser
- The beacon will flash for 60 seconds or till closed, if battery is dead, beacon will not flash
- Replace battery, battery is not needed for lockout operations, only closing & beacon
- Caution, unit casing is still energized

Fails to manual open:

- Unit is not performing properly, needs to be replaced
- Open upstream protective device, bypass Hubbell, close upstream protective device

Maintenance:

- Versa Techs have no oil and operate on a vacuum interrupter; therefore no maintenance is needed on the operator
- The unit must be replaced after 2500 operations
- The only maintenance required is to change the 12V lithium battery approx every 8 years or 800 operations which ever comes first.

Battery Notes:

- The battery provides power if there is no line current, the unit will trip with or without battery power
- The battery provides closing power on manual close
- The battery provides power to the lockout beacon
- The battery provides communication power to the remote radio if the line current <10A

Lockout Beacon:

- After lockout the lockout beacon will flash for 4 hrs or till closed manually
- The beacon will flash for the duration of the delayed manual close (version 4.10 or >)
- The beacon will flash for 60 seconds on a manual open or till closed
- The beacon will flash a few cycles indicating HLT enabled

Operation Counter:

- Operation counter will show total number of operations, manual or auto

Suggested Signage for Pole:

- Factory-supplied metal signage "Caution, recloser is energized"
- Recloser location code – example 4F- 31
- Battery replacement year - example B2020
- Minimum trip setting - example 70 amps

Recloser Notes:

- Unit can only be grounded when it is open and isolated via an upstream device (i.e. cut-out)
- No arrestors or ground wires on poles with Versa Techs
- The load side is the handle side
- Recloser common operations is four operations till lockout (same as today's ocrs)
- There is a 10 second delay when closed by the manual operating handle (programmable)
- Yellow manual operating handle for open / close manual operations
- Red non-reclosing lever for single trip to lockout operation or HLT (block close)
- The recloser is capable of providing sequence coordination (counts through it operation sequence if fault current is above min pickup but is cleared by a downstream recloser)

For Further Information:

- Contact O&M Support Tech

