

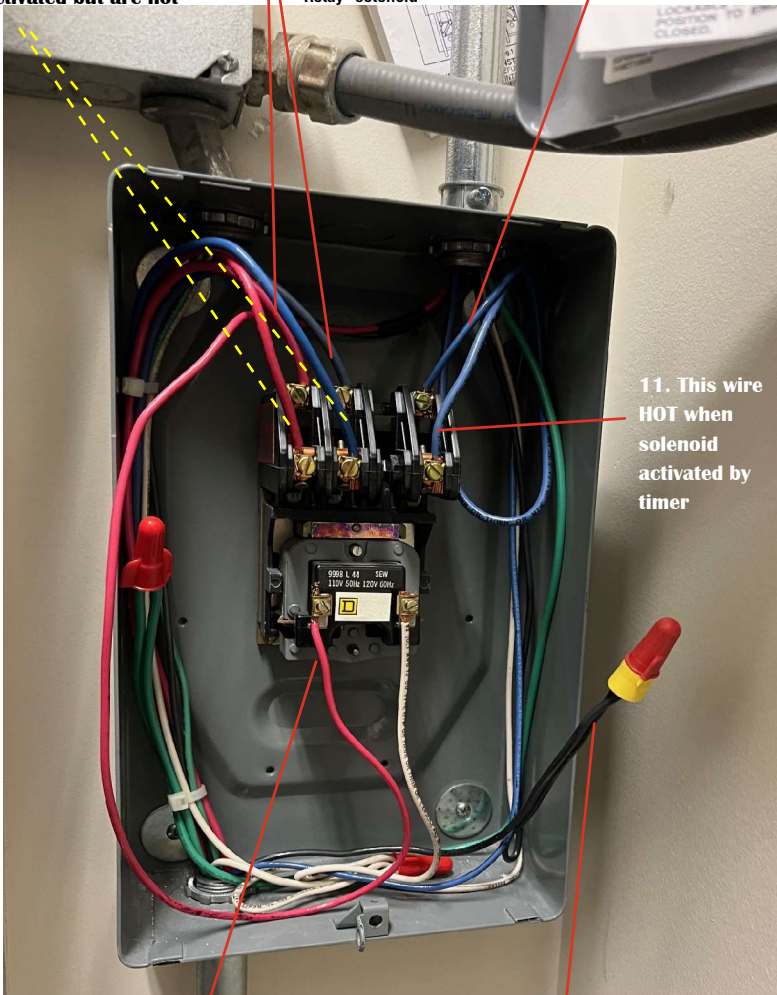
4. These 2 wires are NOT hot (but probably should be)

5. These 2 wires should be hot when solenoid activated but are not

3. This blue wire is always hot

1. This black wire is always hot (connected to breaker #37)

(A) 2. This black wire is hot when timer is engaged

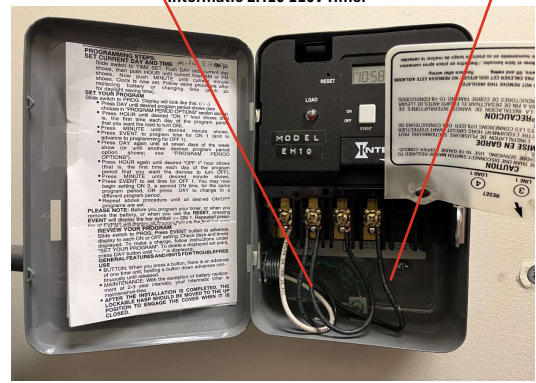


11. This wire HOT when solenoid activated by timer

6. This black wire is always hot (connected to breaker #31)

(A) 7. Solenoid engages when the timer goes off

8. This red wire always hot. This is unexpected behavior as hot even when sun out (does not appear that photo-cell is working?)



Intermatic EH10 110v Timer

2 dusk-to-dawn sensors outside by north door



9. Black wire always hot

10. Red wire is hot when photo-cell is darkened (no light sensed) This is expected behavior and engages wire at night.

NOTE: It is unexpected that wires noted at 4 above are not energized (hot) When solenoid activates (relay engaged) it is expected that wires noted at 5 would then get energized but nothing happens (as no power coming from wires noted at 4).