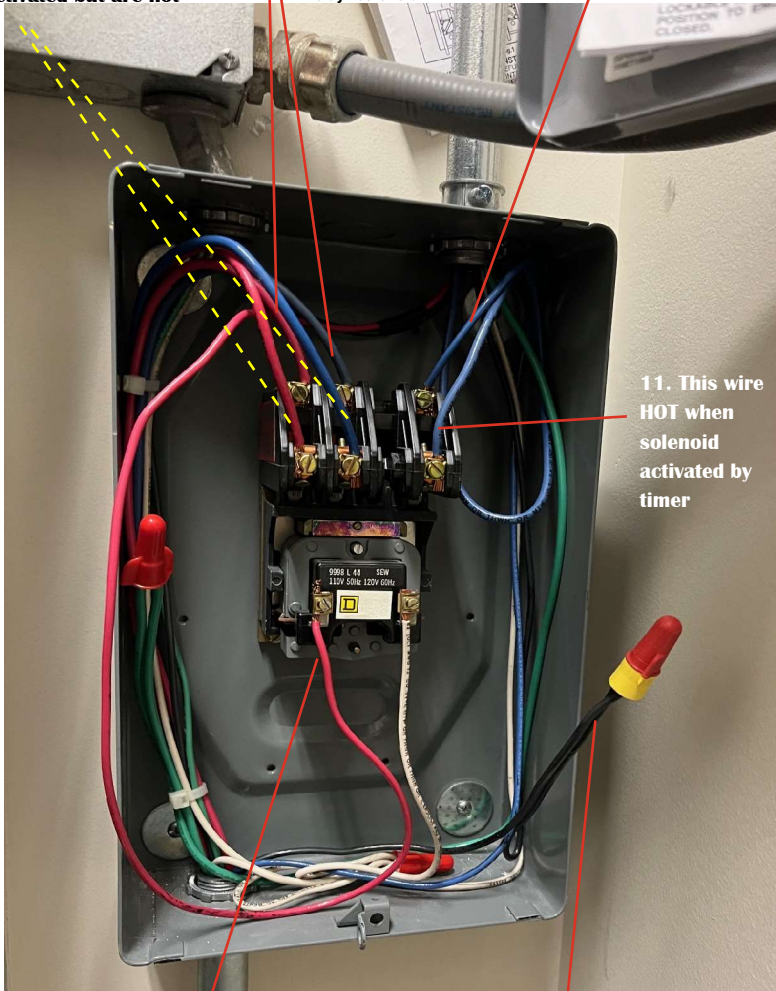


4. These 2 wires are NOT hot
(but probably should be)

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

3. This blue wire is always hot

Relay - solenoid



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

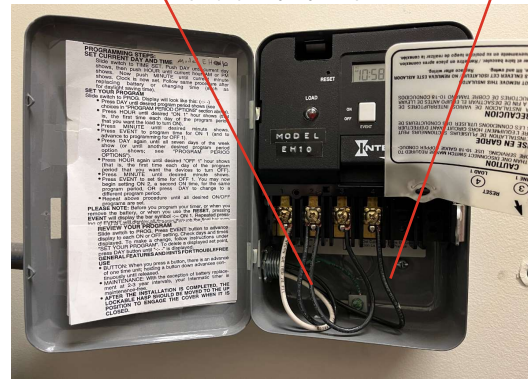
8. This red wire always hot.
This is unexpected behavior as
hot even when sun out (does not appear
that photo-cell is working?)

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

(A)

2. This black wire is hot when
timer is engaged

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).**

There is some additional helpful information in the old wiring blueprints here:

> E0.1 ELECTRICAL SITE PLAN – notes light poles 28 & 30 also referenced in document below

> E1.1 ELECTRICAL FIRST FLOOR PLAN - LIGHTING – contains Time Switch A Wiring Diagram as well as box 8 & 9 in the Electrical Keyed Notes