



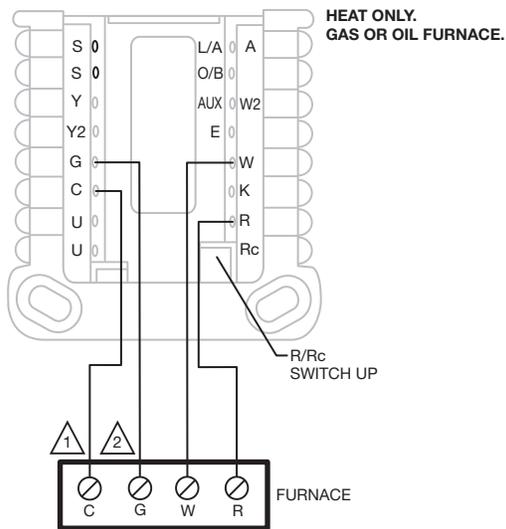
# T10 Pro Wi-Fi Wiring Diagrams

## ADDENDUM

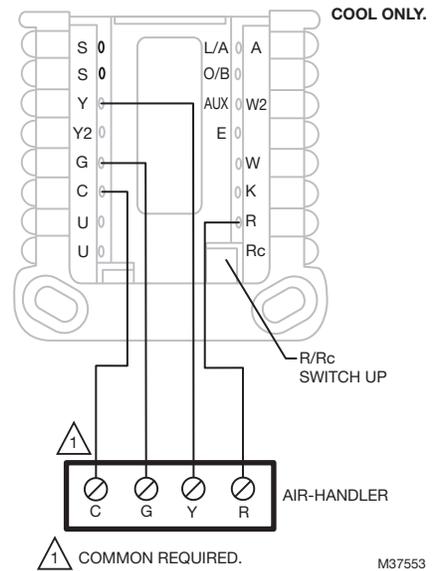
### WIRING DIAGRAMS

### Cool only

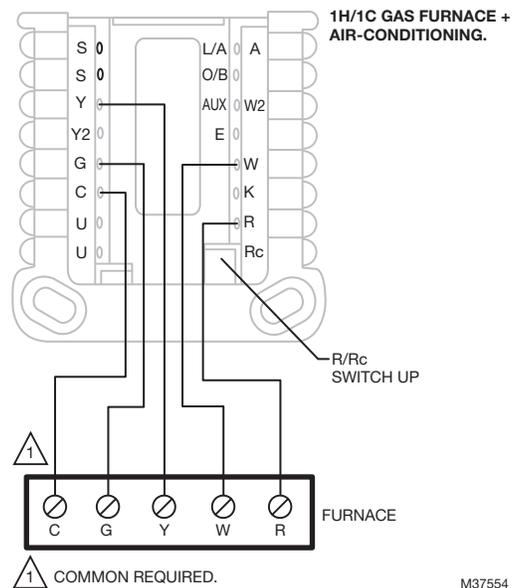
#### Heat only: Gas or Oil Furnace



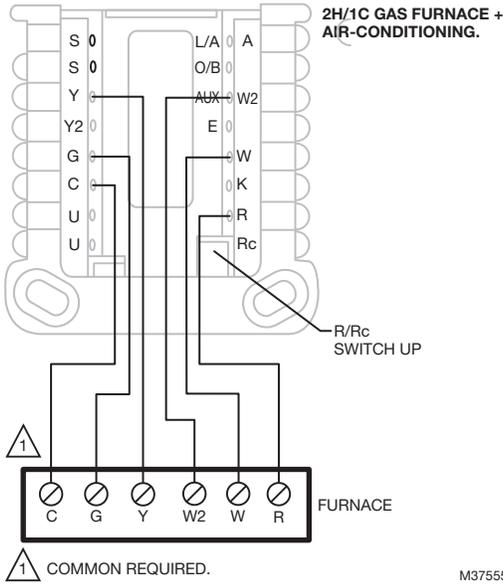
- 1 COMMON REQUIRED.
  - 2 G USED FOR INDEPENDENT FAN CONTROL ONLY. MOST HEAT ONLY, GAS OR OIL FORCED AIR SYSTEMS DO NOT USE A FAN (G) WIRE.
- M37552



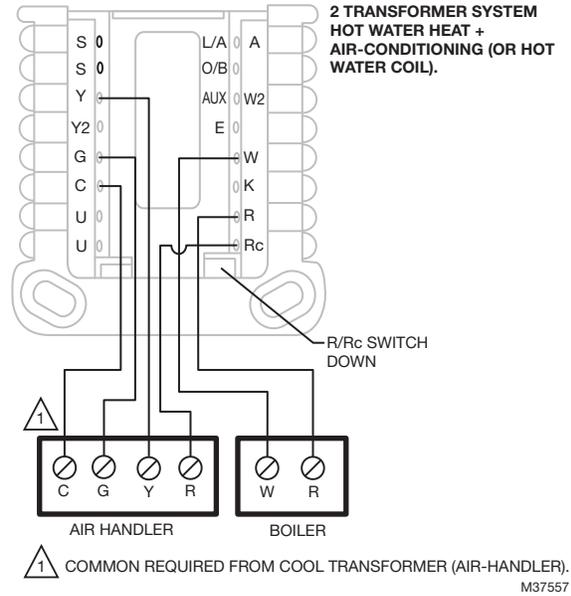
#### 1H/1C: Gas Furnace



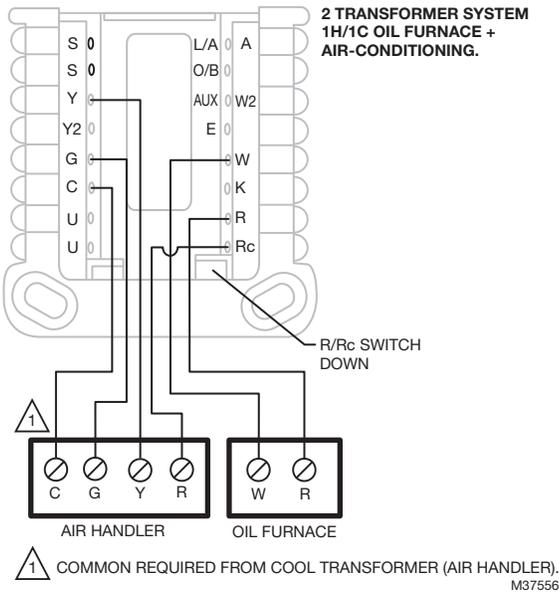
## 2H/1C: Gas Furnace



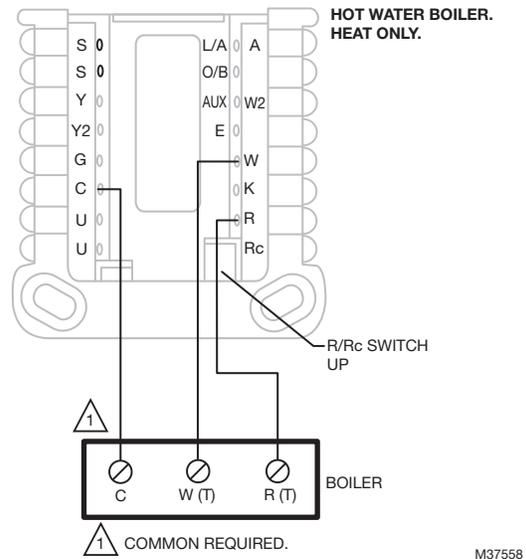
## 2 Transformer System, Hot Water Heat with Air-Conditioning (or Hot Water Coil)



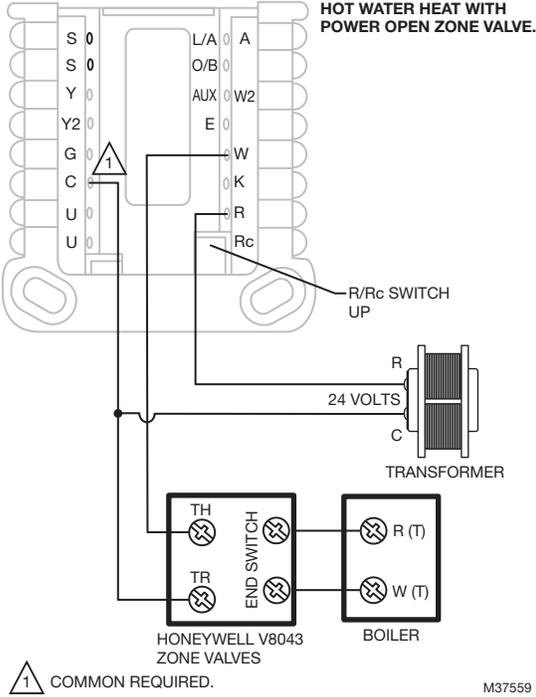
## 2 Transformer System, 1H/1C: Oil Furnace



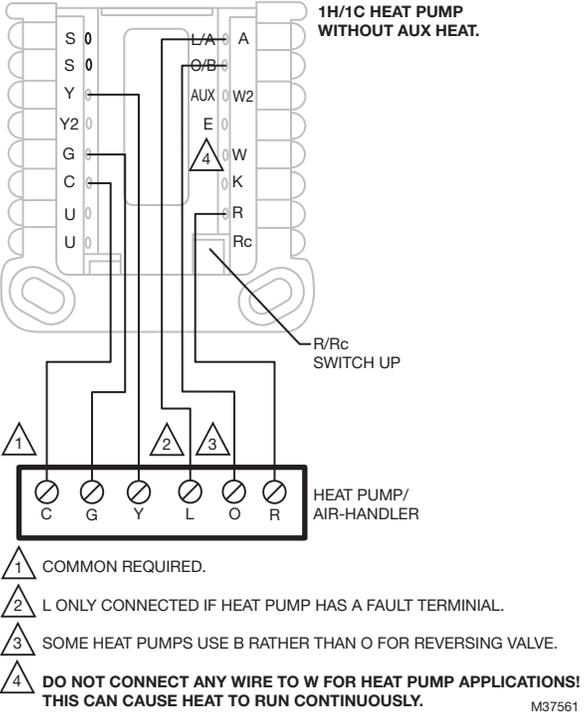
## Hot Water Boiler, Heat Only



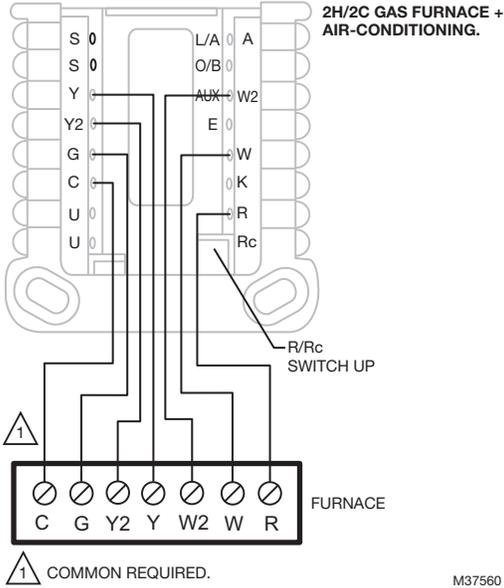
### Hot Water Heat with Power Open Zone Valve



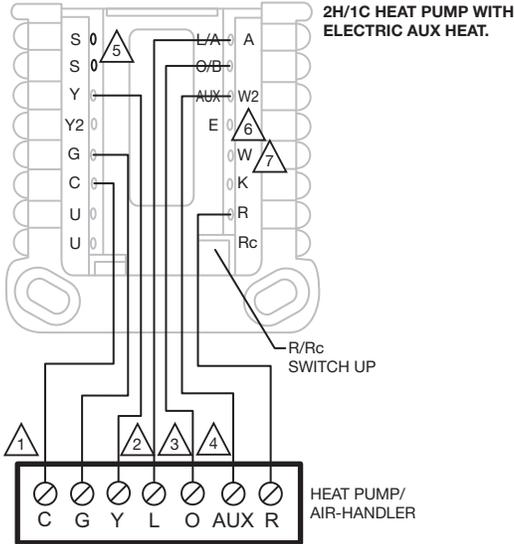
### 1H/1C: Heat Pump without Aux Heat



### 2H/2C: Gas Furnace



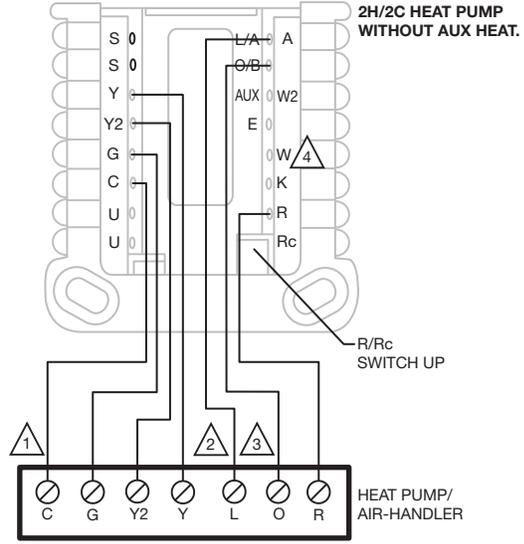
## 2H/1C: Heat Pump with Electric Aux Heat



- 1 COMMON REQUIRED.
- 2 L ONLY CONNECTED IF HEAT PUMP HAS A FAULT TERMINAL.
- 3 SOME HEAT PUMPS USE B RATHER THAN O FOR REVERSING VALVE.
- 4 DIFFERENT HEAT PUMP MODELS LABEL THE AUXILIARY HEAT TERMINAL DIFFERENTLY THAN SHOWN. CONSULT HEAT PUMP WIRING GUIDE.
- 5 LOCKOUT OF AUX HEAT ON HIGH OUTDOOR TEMPERATURE CAN BE DONE THROUGH ROUTER/INTERNET CONNECTION AND HOME APP OR WIRE C7089U1006 TO THE TWO "S" TERMINALS.
- 6 MOST HEAT PUMPS SHARE THE SAME SET OF HEAT STRIPS FOR AUX AND EM HEAT. IN THOSE CASES E ISN'T USED. THE TH320WF2006 MODEL CAN BE CONFIGURED FOR SEPARATE AUX AND E. IF THIS IS DONE, WIRE ONE SET OF STRIPS TO E TO BE ENERGIZED IN EM HEAT AND A DIFFERENT SET OF STRIPS TO AUX TO BE ENERGIZED IN AUX HEAT.
- 7 **DO NOT CONNECT ANY WIRE TO W FOR HEAT PUMP APPLICATIONS! THIS CAN CAUSE HEAT TO RUN CONTINUOUSLY.**

M367562

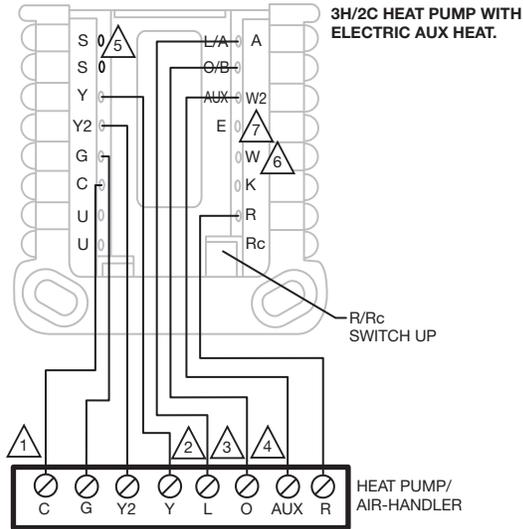
## 2H/2C: Heat Pump without Aux Heat



- 1 COMMON REQUIRED.
- 2 L ONLY CONNECTED IF HEAT PUMP HAS A FAULT TERMINAL.
- 3 SOME HEAT PUMPS USE B RATHER THAN O FOR REVERSING VALVE.
- 4 **DO NOT CONNECT ANY WIRE TO W FOR HEAT PUMP APPLICATIONS! THIS CAN CAUSE HEAT TO RUN CONTINUOUSLY.**

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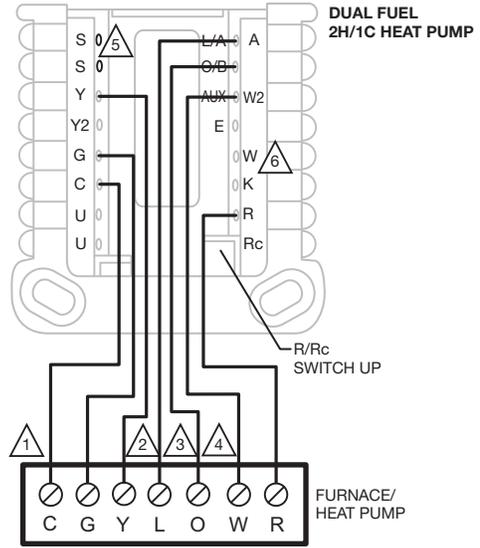
### 3H/2C Heat Pump with Electric Aux Heat



- 1 COMMON REQUIRED.
- 2 L ONLY CONNECTED IF HEAT PUMP HAS A FAULT TERMINAL.
- 3 SOME HEAT PUMPS USE B RATHER THAN O FOR REVERSING VALVE.
- 4 DIFFERENT HEAT PUMP MODELS LABEL THE AUXILIARY HEAT TERMINAL DIFFERENTLY THAN SHOWN. CONSULT HEAT PUMP WIRING GUIDE.
- 5 LOCKOUT OF AUX HEAT ON HIGH OUTDOOR TEMPERATURE CAN BE DONE THROUGH ROUTER/INTERNET CONNECTION AND HOME APP OR WIRE C7089U1006 TO THE TWO "S" TERMINALS.
- 6 **DO NOT CONNECT ANY WIRE TO W FOR HEAT PUMP APPLICATIONS! THIS CAN CAUSE HEAT TO RUN CONTINUOUSLY.**
- 7 MOST HEAT PUMPS SHARE THE SAME SET OF HEAT STRIPS FOR AUX AND EM HEAT. IN THOSE CASES E ISN'T USED. THE TH6320WF2006 MODEL CAN BE CONFIGURED FOR SEPARATE AUX AND E. IF THIS IS DONE, WIRE ONE SET OF STRIPS TO E TO BE ENERGIZED IN EM HEAT AND A DIFFERENT SET OF STRIPS TO AUX TO BE ENERGIZED IN AUX HEAT.

M37564

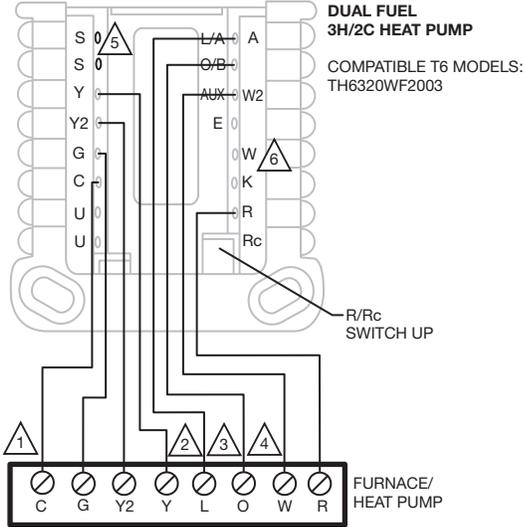
### Dual Fuel, 2H/1C: Heat Pump



- 1 COMMON REQUIRED.
- 2 L ONLY CONNECTED IF HEAT PUMP HAS A FAULT TERMINAL.
- 3 SOME HEAT PUMPS USE B RATHER THAN O FOR REVERSING VALVE.
- 4 THE HEAT PUMP AND FURNACE HAVE SEPARATE BOARDS. WE SHOW THEM TOGETHER TO SIMPLIFY THE DIAGRAM. W IS FROM THE FURNACE BOARD.
- 5 BALANCE POINT LOCKOUT CAN BE DONE THROUGH ROUTER/INTERNET CONNECTION AND HOME APP OR WIRE C7089U1006 TO THE TWO "S" TERMINALS.
- 6 **DO NOT CONNECT ANY WIRE TO W FOR HEAT PUMP APPLICATIONS! THIS CAN CAUSE HEAT TO RUN CONTINUOUSLY.**

M37565

## Dual Fuel, 3H/2C: Heat Pump



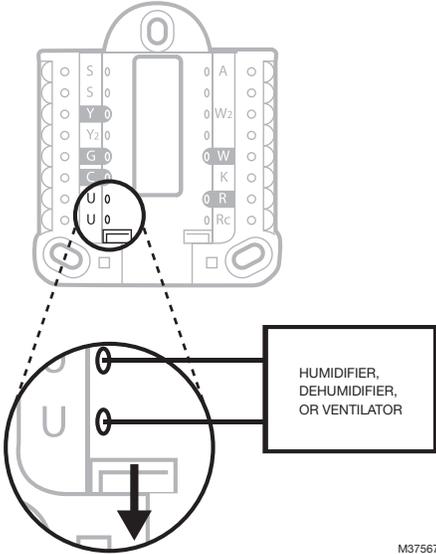
- 1 COMMON REQUIRED.
- 2 L ONLY CONNECTED IF HEAT PUMP HAS A FAULT TERMINAL.
- 3 SOME HEAT PUMPS USE B RATHER THAN O FOR REVERSING VALVE.
- 4 THE HEAT PUMP AND FURNACE HAVE SEPARATE BOARDS. WE SHOW THEM TOGETHER TO SIMPLIFY THE DIAGRAM. W IS FROM THE FURNACE BOARD.
- 5 LOCKOUT OF AUX HEAT ON HIGH OUTDOOR TEMPERATURE CAN BE DONE THROUGH ROUTER/INTERNET CONNECTION AND HOME APP OR WIRE C7089U1006 TO THE TWO "S" TERMINALS.
- 6 **DO NOT CONNECT ANY WIRE TO W FOR HEAT PUMP APPLICATIONS! THIS CAN CAUSE HEAT TO RUN CONTINUOUSLY.**

M36911A

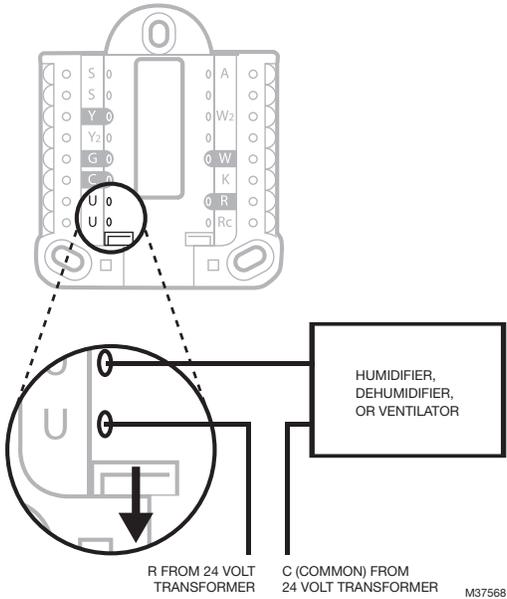
# Whole house humidifier, dehumidifier, or ventilator

## Using U Slider Tab

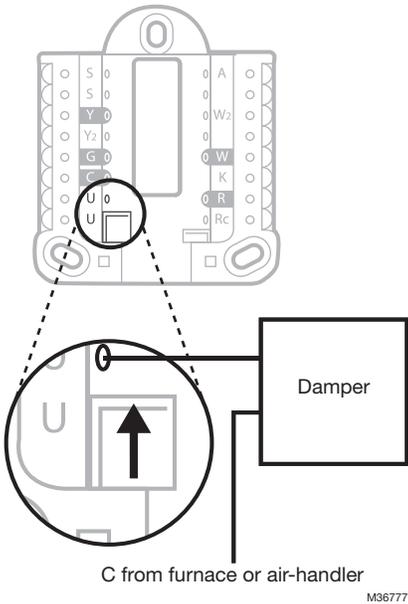
**WIRED TO HUMIDIFIER, DEHUMIDIFIER OR VENTILATOR WITH BUILT-IN TRANSFORMER**



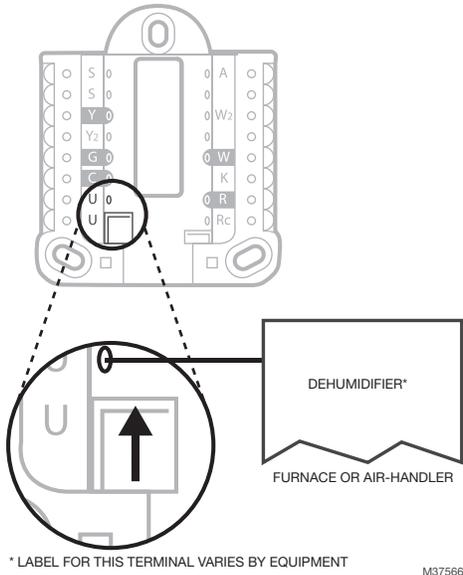
**WIRED TO HUMIDIFIER, VENTILATOR, OR DAMPER POWERED BY EXTERNAL TRANSFORMER**



**WIRED TO FRESH AIR DAMPER POWERED BY FURNACE TRANSFORMER**



**WIRED TO LOW SPEED FAN TERMINAL ON HVAC FOR DEHUMIDIFICATION**



T10 PRO WI-FI WIRING DIAGRAMS



**resideo**

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