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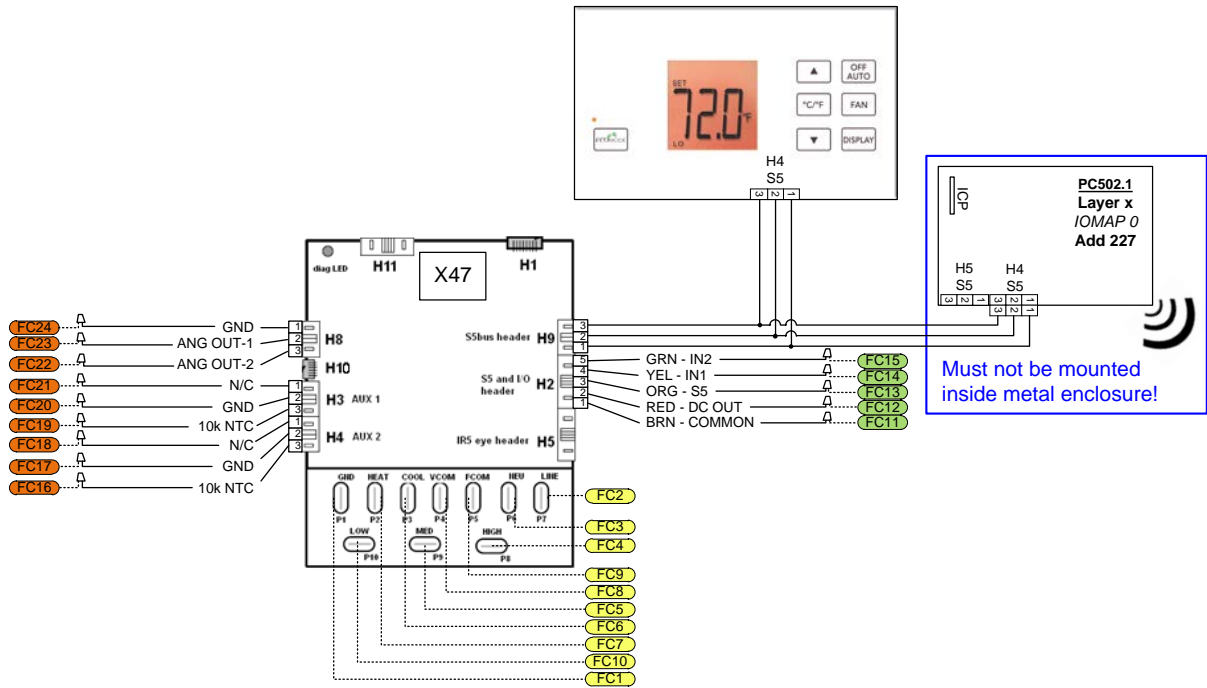
- **DISCONNECT POWER BEFORE BEGINNING INSTALLATION. ELECTRICAL HAZARD:** Can cause electrical shock or equipment damage.
- **Must be installed by a trained , experienced technician.**
- **See device specific product guides for load specifications.**

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1. Wiring Guide Line Voltage Power Supply (“B1” option)

See detailed wiring guides for specific system types on the following page.



2. Thermostat wire connections:

HVAC INTERFACE

| Connection | Color | Function |
|------------|--------|--------------------------------------|
| FC1 | Green | EARTH GROUND |
| FC2 | Black | LINE |
| FC3 | White | NEUTRAL |
| FC4 | Yellow | HIGH FAN RELAY |
| FC5 | Orange | MED FAN RELAY/ HEAT RELAY(STAGE 2) |
| FC6 | Red | COMPRESSOR CONTACTOR |
| FC7 | Brown | HEAT RELAY(STAGE 1)/ REVERSING VALVE |
| FC8 | Grey | VALVE POWER |
| FC9 | Violet | FAN POWER |
| FC10 | Blue | LOW FAN RELAY |

LOW VOLTAGE INTERFACE

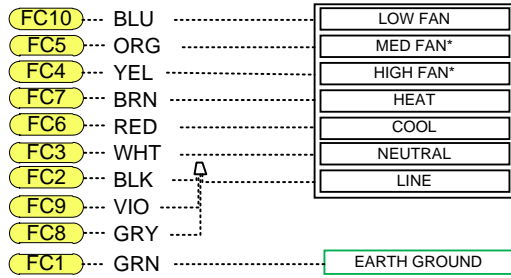
| Connection | Color | Function |
|------------|--------|-----------|
| FC11 | Brown | DC GROUND |
| FC12 | Red | DC OUT |
| FC13 | Orange | S5 BUS |
| FC14 | Yellow | INPUT 1 |
| FC15 | Green | INPUT 2 |

FIELD SIDE INTERFACE

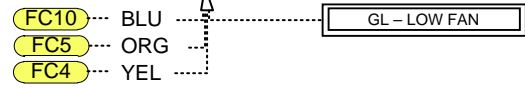
| Connection | Color | Function |
|------------|--------|-----------------------------------|
| FC16 | Orange | 10K NTC (REMOTE THERMISTOR INPUT) |
| FC17 | Red | GROUND |
| FC18 | Brown | NO CONNECTION |
| FC19 | Orange | 10K NTC (REMOTE THERMISTOR INPUT) |
| FC20 | Red | GROUND |
| FC21 | Brown | NO CONNECTION |
| FC22 | Orange | ANALOG OUTPUT-2 |
| FC23 | Red | ANALOG OUTPUT-1 |
| FC24 | Brown | GROUND |

3. System Specific Wiring Guides

Generic Single Stage Heat/Cool

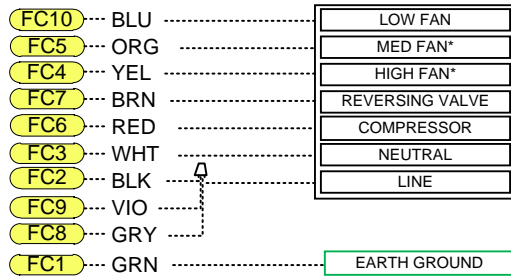


Unused Fan Outputs

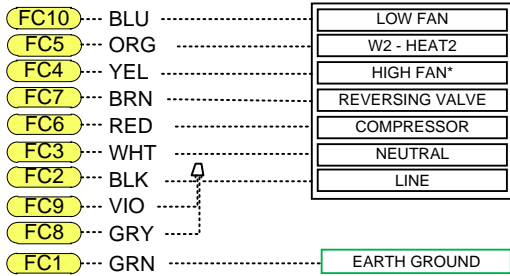


*Unused fan outputs in any HVAC Type shall be tied to FC10

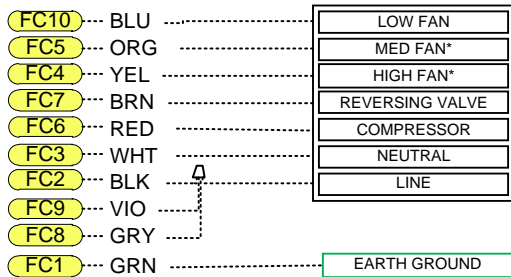
Heat Pump North (HpO)-Single Stage Heat



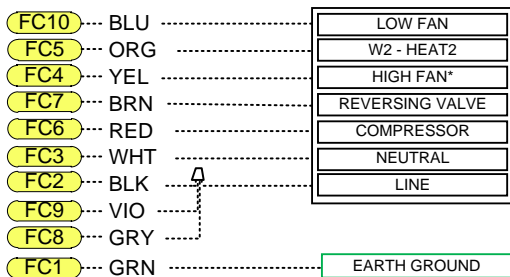
Heat Pump North (HpO)-Two Stages Heat



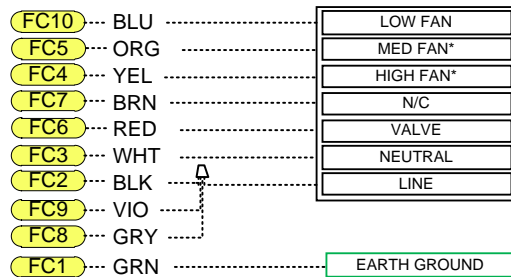
Heat Pump South (HpB)-Single Stage Heat



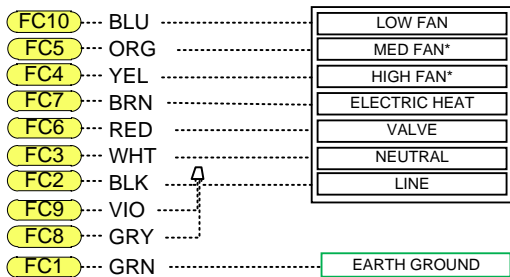
Heat Pump South (HpB)-Two Stages Heat



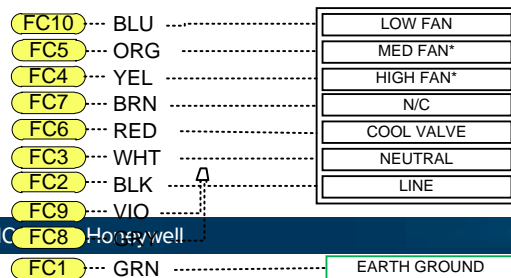
2 Pipe Change-Over



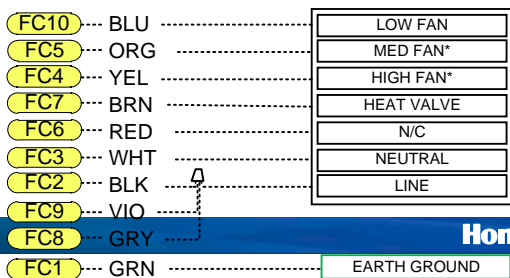
2 Pipe Change-Over with Back-up Electric Heat



Cool Only System



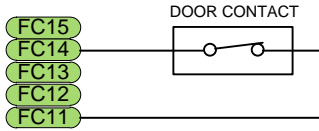
Heat Only System



4. Low Voltage Wiring

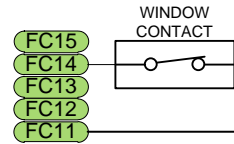
Door Contact Only

Closed Door=Closed Contact

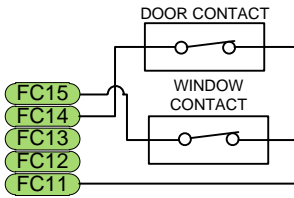


Window Contact Only

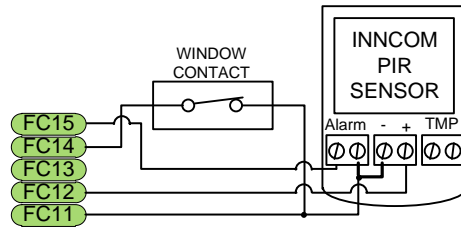
Closed Window=Closed Contact



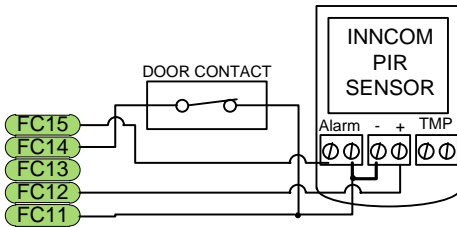
Door & Window Contact



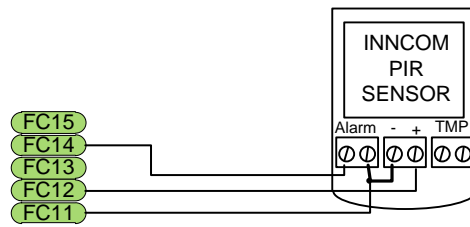
Window Contact & PIR Sensor



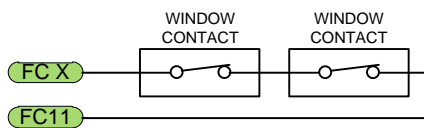
Door Contact & PIR Sensor



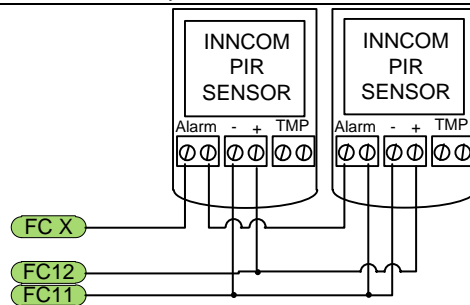
PIR Sensor Only



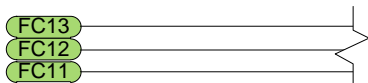
If Multiple Window Contacts in Series



If Multiple PIR Sensors in Series



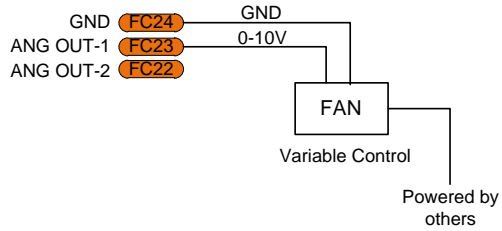
S5 Bus



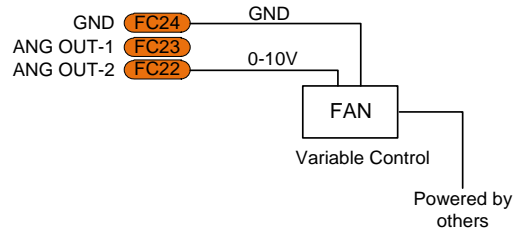
S5 BUS:
TO OTHER S5
ROOM DEVICES

5. Field Side Wiring

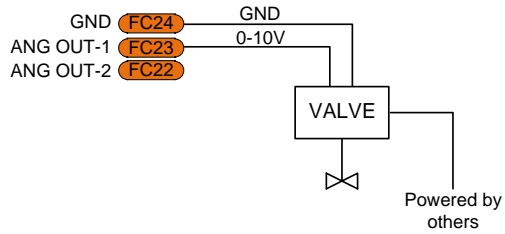
Variable Fan connection using ANG OUT-1



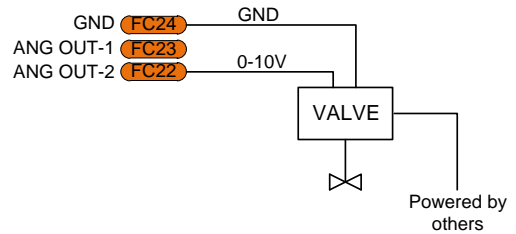
Variable Fan connection using ANG OUT-2



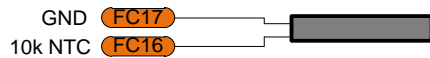
Heat/Cool Valve connection using ANG OUT-1



Heat/Cool Valve connection using ANG OUT- 2



Remote Thermistor



6. Document Information

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