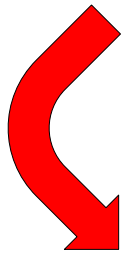
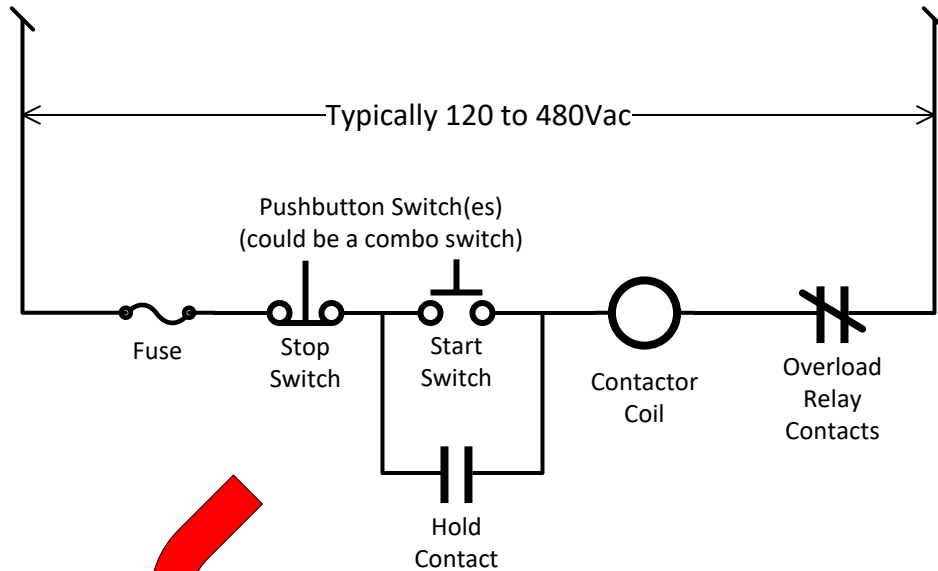
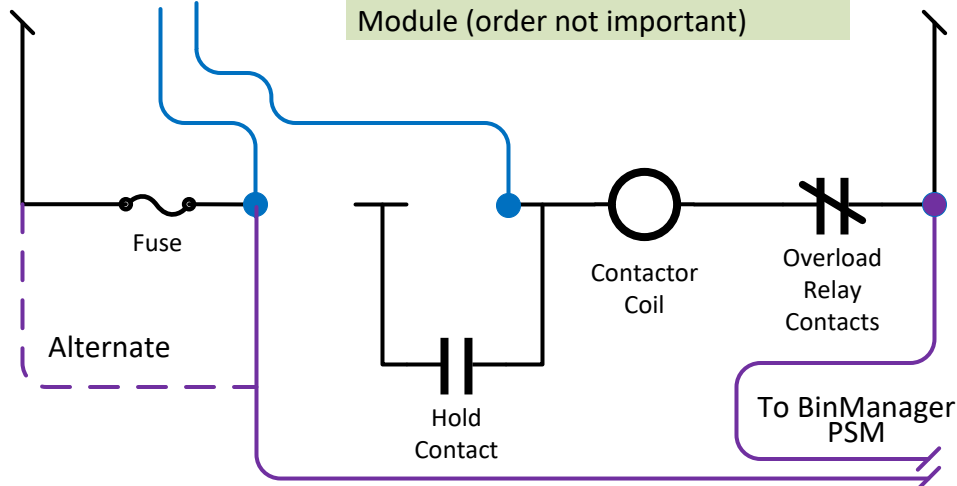


Typical Fan Control Wiring



Adding BinManager

1. Remove pushbutton switch(es) and plug their hole(s)
2. Connect wires to BinManager RSM Module (order not important)



Heater Control Wiring

- Heater controls have interlocks with the fan controls and also contain temperature limit switches for safety. **DO NOT MODIFY THIS SAFETY CRITICAL WIRING WHEN CONNECTING TO BINMANAGER.**
- Many heater controls have a pair of terminals for a bin-mounted thermostat. These are the perfect terminals to connect to the BinManager RSM module.
- **DO NOT DISCONNECT** a High-Limit switch on the transition. This is part of the safety system.
- If a system has a “Cycle Interlock” and a “Hi-Limit Interlock”, such as on some GSI models, use the Hi-Limit Interlock.
- Some simple systems do not have a Bin Thermostat connection. It is acceptable to connect in series with the power, or ON-OFF switch. **BE SURE TO LEAVE THE FAN CONTROL INTERLOCK IN PLACE AND OPERATIONAL.**

Power Source

- BinManager must obtain its power from a source of 100 to 520Vac.
- The recommended source is one of the Fan Control Circuits. [SEE SUGGESTION TO LEFT](#)
- Be sure the power source is constant.
- BinManager should be left powered all year. When not running fans, it draws less than 2W.

BinManager Electrician's Reference Card

The information on this drawing is intended to be used by qualified electricians to make electrical connections between BinManager and the Fan and Heater Control units.

Caution: Risk of Electrical Shock.

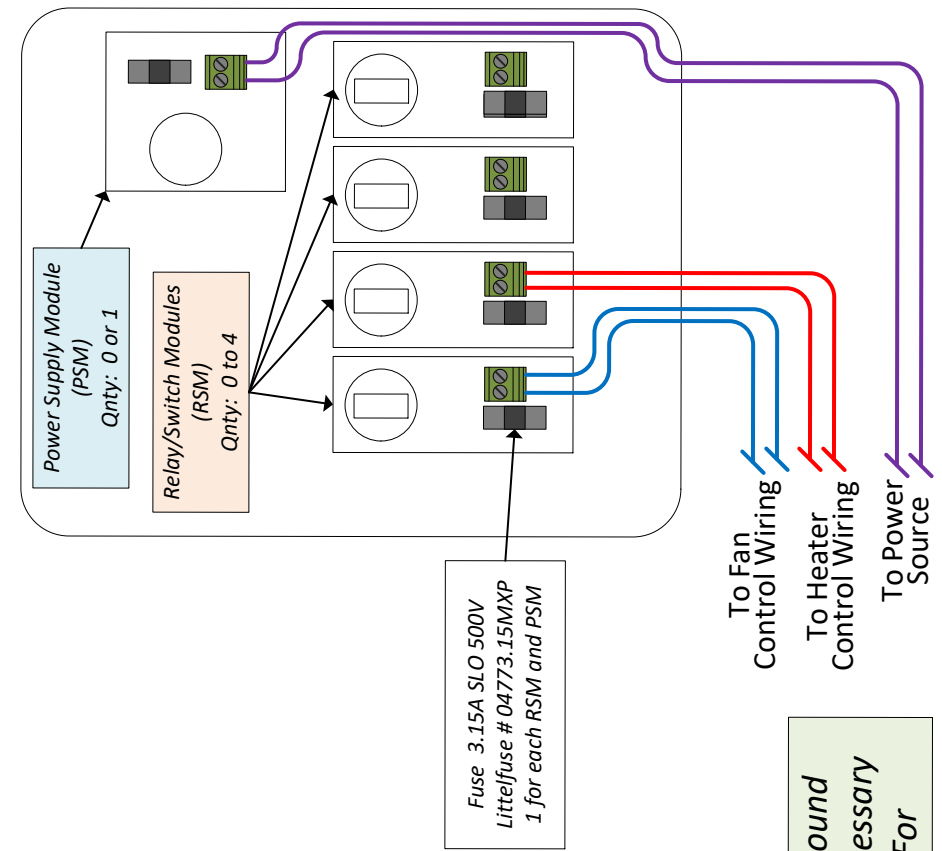
BinManager switches DO NOT de-energize its input or output connections.

Other outside disconnect switches must be used to deenergize the wire connections to BinManager before servicing.

General Notes

- The diagrams on this drawing are for reference only. The specific connections outside of BinManager depend on the fan, heater and other power equipment.
- This drawing shows **BLUE** wires for Fan Control Connections, **RED** wires for Heater Control Connections, and **PURPLE** wires for Power Connections. The actual color is arbitrary and may not be the wire insulation colors used by the equipment installer.
- IntelliFarms recommends using at least 22AWG wire with appropriate insulation (ex. 600V insulation for 480V systems).
- Always defer to NEC and/or other appropriate codes.

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Control Box Wiring

- All High Voltage Wiring is behind the Front Panel.
- All High Voltage Wiring is connected to RSM or PSM modules.

Relay/Switch Module (RSM)

- RSM does not supply power, it is a "switch" to the Fan or Heater controls.
- RSM can handle up to 520Vac at 2A. RSM-DC
- There is one RSM for each controlled Fan, Heater, or Generator.

Power Supply Module (PSM)

- One PSM per BinManager System provides 24DC for entire system.
- Vin: 100Vac to 520Vac

Earth (Protective) Ground Connection is Not Necessary and Not Provided For