



VRF, Split Systems and Ventilation

Air to Water Heat Pumps/ Simultaneous Heat

Side Discharge Cooling Condensers and Heat Pumps

Tankless Water Heaters

Small Duct Central Heating and Air Conditioning

Boilers and Indirect Water Heaters

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SIDE DISCHARGE HEAT PUMP “U” SERIES

Mits Air is introducing its new “U” series Heat Pumps.

These heat pumps have been completely re-engineered to provide excellent energy savings in both heating and cooling. Low temperature heating performance is higher and will provide both energy savings and superior comfort.

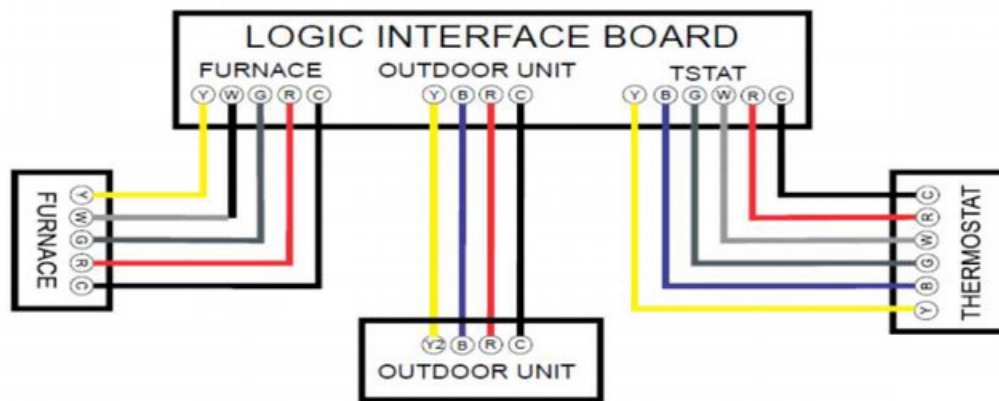
Three major features have been incorporated into the new model:

1. The “U” series will now use a heat pump thermostat to incorporate the hardy suite of management algorithms incorporated into today’s heat pump thermostats. The system will use a “B” terminal to control the heat/cool operation of the reversing valve.
- 2..The power wiring from the outdoor unit to the interface panel has been eliminated as well as the return air thermistor. The system sensor suite will include pressure transducers to fully evaluate the actual refrigeration load condition and will respond better to load changes.
3. The primary logic control has been moved to the outdoor unit. This completely re-engineered “brain” will provide intelligent control to the system and reduce installation time and cost to our contractors.

Below is the simplified low-voltage wiring diagram for the new series.

SIMPLIFIED LOW VOLTAGE WIRING FOR MITS AIR “U” SERIES HEAT PUMP

**Designed by
Rob Robertson**



Models:
 MOX330U-18HFN1-MR0 MOD30U-36HFN1-MR0
 MOX430U-24HFN1-MR0 MOE30U-48HFN1-MR0
 MOD30U-30HFN1-MR0 MOE30U-60HFN1-MR0

If you have a 4 or 5 existing wire thermostat then see page 2 for Fast Stat HVAC Wiring Extender



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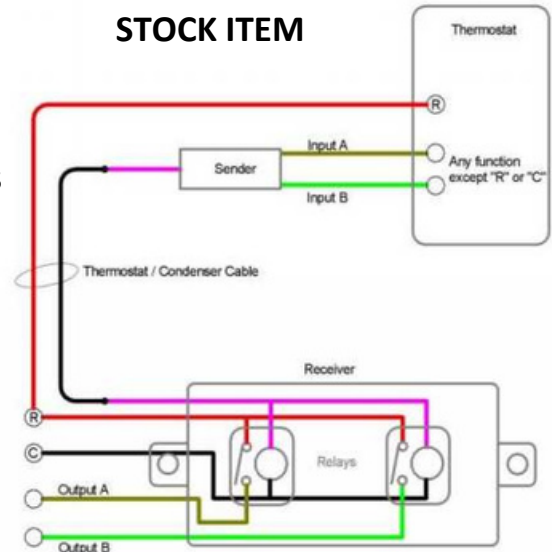
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Fast Stat HVAC Wiring Extender

(To be used if you have a 4-wire thermostat to get extra wire)

Model 1000: Adds one wire to a cable.

General purpose use such as 2-stage air conditioner conversions & cable repairs. Can be used for adding a common wire for Wi-Fi and powered thermostats when the cable has 3 or more wires.



Model 3000: Provides 4-wire control over a 2-wire cable.

Special Order

Often used to add A/C to a heating system (R, G, Y & W over a 2-wire thermostat cable). Can be used with cables having more than 2-wires and the additional wires can be used for other functions.

