

MPC

User's Manual

WIRING INSTRUCTIONS

FOR THE

WIRELESS CONDENSER AIR CONDITIONING HEAT PUMP

AIR HANDLER

- 1) MOUNT TRANSMITTER EITHER INSIDE OR MOUNT ON AIR HANDLER.
- 2) AT AIR HANDLER CIRCUIT BOARD REMOVE THE COMMON (C) WIRE GOING OUT TO CONDENSING HEAT PUMP.
- 3) AT AIR HANDLER CIRCUIT BOARD REMOVE THE COOLING (Y) WIRE GOING OUT TO CONDENSING HEAT PUMP.
- 4) AT AIR HANDLER CIRCUIT BOARD REMOVE THE REVERSING VALVE (O) WIRE GOING OUT TO THE CONDENSING HEAT PUMP.
- 5) AT AIR HANDLER CIRCUIT BOARD REMOVE THE 24V (R) WIRE GOING OUT TO THE CONDENSING HEAT PUMP.
- 6) AT AIR HANDLER CIRCUIT BOARD REMOVE THE 24V COMMON (C) WIRE GOING OUT TO THE CONDENSING HEAT PUMP.
- 7) AT THE TRANSMITTER TAKE RED WIRE (24V) AND HOOK IT UP TO THE (R) TERMINAL BOARD AT THE AIR HANDLER.
- 8) AT THE TRANSMITTER TAKE BLUE WIRE (24V COMMON) AND HOOK IT UP TO THE (C) TERMINAL BOARD AT THE AIR HANDLER. LINES 7&8 POWER THE TRANSMITTER.
- 9) AT THE TRANSMITTER TAKE YELLOW WIRE AND HOOK IT UP TO THE (Y) WIRE COMING FROM THE THERMOSTAT AT THE AIR HANDLER.
- 10) AT THE TRANSMITTER TAKE ORANGE WIRE AND HOOK IT UP TO THE (O) WIRE COMING FROM THE THERMOSTAT AT THE AIR HANDLER.
- 11) SET DIP SWITCHES TO CODE YOUR BOARD (EXAMPLE 1234-5678

CONDENSING HEAT PUMP

- 12) MOUNT RECEIVER EITHER INSIDE OF OR MOUNT ON CONDENSING HEAT PUMP.

- 13) MOUNT TRANSFORMER INSIDE CONDENSING HEAT PUMP UNIT CONTROL BOX. WIRE AS NEEDED TO GIVE 24V OUTPUT.
- 14) AT CONDENSING HEAT PUMP REMOVE THE COOLING (Y) WIRE COMING IN TO THE CONDENSING HEAT PUMP UNIT FROM THE AIR HANDLER.
- 15) AT CONDENSING HEAT PUMP REMOVE THE REVERSING VAVLE (O) WIRE COMING IN TO THE CONDENSING HEAT PUMP UNIT FROM THE AIR HANDLER.
- 16) AT THE CONDENSING HEAT PUMP UNIT REMOVE THE 24V WIRE (R) COMING IN TO THE CONDENSING HEAT PUMP UNIT FROM THE AIR HANDLER.
- 17) AT THE CONDENSING HEAT PUMP UNIT REMOVE THE COMMON WIRE (C) COMING IN TO THE CONDENSING HEAT PUMP UNIT FROM THE AIR HANDLER.
- 18) AT THE RECEIVER TAKE THE RED WIRE (24V) AND WIRE NUT IT UP TO THE 24V COMING FROM THE TRANSFORMER.
- 19) AT THE RECEIVER TAKE THE BLUE WIRE (24V COMMON) AND WIRE NUT IT UP TO THE 24V COMMON COMING FROM THE TRANSFORMER. LINES 12&13 POWER THE RECEIVER.
- 20) AT THE RECIVER TAKE THE YELLOW WIRE AND HOOK IT UP TO THE (Y) CONNECTION AT THE CONDENSING HEAT PUMP.
- 21) AT THE RECIVER TAKE THE ORANGE WIRE AND HOOK IT UP TO THE (O) CONNECTION AT THE CONDENSING HEAT PUMP.
- 22) SET DIP SWITCHES TO CODE YOUR BOARD (EXAMPLE 1234-5678) TO MATCH TRANSMITTER.

WIRING INSTRUCTIONS
FOR THE
WIRELESS CONDENSER AIR CONDITIONING
FURNACE

- 1) MOUNT TRANSMITTER EITHER INSIDE OR MOUNT ON FURNACE.
- 2) AT FURNACE CIRCUIT BOARD REMOVE THE COMMON (C) WIRE GOING OUT TO CONDENSER.
- 3) AT FURNACE CIRCUIT BOARD REMOVE THE COOLING (Y) WIRE GOING OUT TO CONDENSER.
- 4) AT THE TRANSMITTER TAKE RED WIRE (24V) AND HOOK IT UP TO THE (R) TERMINAL BOARD AT THE FURNACE.
- 5) AT THE TRANSMITTER TAKE BLUE WIRE (24V COMMON) AND HOOK IT UP TO THE (C) TERMINAL BOARD AT THE FURNACE. THIS POWERS THE TRANSMITTER.
- 6) AT THE TRANSMITTER TAKE YELLOW WIRE AND HOOK IT UP TO THE (Y) TERMINAL BOARD AT THE FURNACE.
- 7) SET DIP SWITCHES TO CODE YOUR BOARD (EXAMPLE 1234-5678

CONDENSER

- 8) MOUNT RECEIVER EITHER INSIDE OF OR MOUNT ON CONDENSER.
- 9) MOUNT TRANSFORMER INSIDE CONDENSING UNIT CONTROL BOX. WIRE AS NEEDED TO GIVE 24V OUTPUT.
- 10) AT CONDENSER REMOVE THE COOLING (Y) WIRE COMING IN TO THE CONDENSER FROM THE FURNACE.
- 11) AT THE CONDENSER REMOVE THE COMMON WIRE (C) COMING IN TO THE CONDENSER FROM THE FURNACE.
- 12) AT THE RECEIVER TAKE THE RED WIRE (24V) AND WIRE NUT IT UP TO THE 24V COMING FROM THE TRANSFORMER.
- 13) AT THE RECEIVER TAKE THE BLUE WIRE (24V COMMON) AND WIRE NUT IT UP TO THE 24V COMMON COMING FROM THE TRANSFORMER. LINES 12&13 POWER BOARD.
- 14) AT THE RECIVER TAKE THE YELLOW WIRE AND HOOK IT UP TO THE (Y) CONNECTION AT THE CONDENSER.
- 15) SET DIP SWITCHES TO CODE YOUR BOARD (EXAMPLE 1234-5678) TO MATCH TRANSMITTER

ALERT SYMBOLS

The following symbols used in this manual, alert you to potentially dangerous conditions to users, service personnel or the appliance:



WARNING

This

symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



CAUTION

This

symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

INSTALLATION LOCATION

- We recommend that this transmitter and receiver be installed properly by qualified installation technicians in accordance with the Installation Instructions provided with the unit.
- Before installation, check that the voltage of the electric supply at your air conditioning unit is the same as the voltage shown on the nameplate.



WARNING

- *Do not install this transmitter and receiver where there are fumes or flammable gases, or in an extremely humid space such as a greenhouse.*
- *Do not install the transmitter and receiver where excessively high heat-generating objects are placed.*

Avoid: To protect the transmitter and receiver from heavy corrosion, avoid installing the outdoor unit where salty sea water can splash directly onto it or in sulphurous air near a spa.

ELECTRICAL REQUIREMENTS



WARNING

- *All wiring must conform to the local electrical codes. Consult your dealer or a qualified electrician for details.*
- *It is strongly recommended to be installed with Residual Current Device (RCD) to prevent electric shock or fire.*
- *Wiring must be done by a qualified electrician.*

NOTE



CAUTION

To warm up the system, the power mains must be turned on at least five (5) hours before operation. Leave the power mains ON unless you will not be using this appliance for an extended period.

Pull off the power plug from a receptacle, or switch off the breaker, or switch off the power disconnecting mean to isolate the transmitter and receiver from the main power supply when not in use for a long time.

SAFETY INSTRUCTIONS

- Read these Operating Instructions carefully before using the transmitter and receiver. If you still have any difficulties or problems, consult your dealer for help.
- This transmitter and receiver is designed to give you wireless conditions between your indoor and outdoor units. Use this only for its intended purpose as described in these Operating Instructions.



WARNING

- *Never touch the unit with wet hands.*
- *Never use or store gasoline or other flammable vapor or liquid near the transmitter and receiver — it is very dangerous.*
- *Do not use the transmitter and receiver in a potentially explosive atmosphere.*
- *Do not clean inside the indoor and outdoor units where the transmitter and receiver are mounted. Engage authorized dealer or specialist for cleaning.*
- *In case of malfunction of this appliance, do not repair by yourself. Contact to the sales dealer or service dealer for a repair.*



WARNING

- *For safety, be sure to turn the unit power off and also to disconnect the power before cleaning or servicing.*
 - *Pull off the power plug from a receptacle, or switch off the breaker, or switch off the power disconnecting mean to isolate the transmitter and receiver from the main power supply in case of emergency.*
 - *Do not sit or step on the transmitter or receiver.*
- You may damage the transmitter or receiver.*



CAUTION

- *Do not turn the transmitter or receiver on and off from the power mains switch.*
- *Do not stick anything into the receiver circuit board.*
This is dangerous because this can cause damage to the circuit board. You may get injured.
- *Do not stick anything into the transmitter circuit board.*
This is dangerous because this can cause damage to the circuit board. You may get injured.
- *Do not let children play with the transmitter or receiver.*





- *This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*
- *This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.*
 - *Reorient or relocate the receiving antenna.*
 - *Increase the separation between the equipment and receiver.*
 - *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
 - *Consult the dealer or an experienced radio/TV technician for help.*
- *FCC Caution: To assure continued compliance, follow the attached installation instructions. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.*

The compressor may occasionally stop during thunderstorms.
This is not a mechanical failure. The unit automatically recovers after a few minutes.