



# WIRE BRIDGER

## HVAC WIRING SOLUTION

### WB 1000 Installation instructions

#### Functions

- WB 1000 adds two additional control wires between a thermostat and indoor unit or indoor unit and outdoor unit.
- Works with all 24VAC heating and cooling systems.
- Can be used to provide a common connection (C).

#### Specification

- Transformer Voltage: 22-28V
- Switch current: 2A
- Maximum distance: 30m / 1181.1in
- Transmitter size: 30 X 21 X 12mm / 1.2 X 0.8 X 0.5in
- Collector size: Ø90 X 29mm / Ø3.5 X 1.1in

#### Electrical Safety

- This product can only be installed by qualified technician.
- The connected load must not exceed 30VAC (not designed for direct connection to 120VAC equipment).
- The total connected load must not exceed 2 amps.
- To avoid electric shock or damage to the equipment, Disconnect power before installation.
- Separation of Circuits - Insulated conductors shall be segregated or separated by barriers from 1) each other if used in different internal wiring circuits, and 2) uninsulated live parts connected to different circuits, unless each line voltage field wiring conductor is provided with insulation rated for the highest voltage involved need not be separated or segregated.

#### Transmitter Installation

Transmitter size  
30 X 21 X 12mm  
1.2 X 0.8 X 0.5in



1. Remove the thermostat from the wall.
2. Put the Transmitter in the wall and connect the wires.
3. Re-install the thermostat onto the wall.

\* When the wiring is extended between the indoor and outdoor devices, the transmitter can be placed in the indoor cabinet or combined with other wires.

\* The transmitter may generate a small amount of heat during operation. Keep the transmitter cable to maximize the distance between the transmitter and thermostat.

- Install only in a suitable UL Listed outlet box or junction box
- Operating Control
- Type 1 Action
- Pollution Degree 2
- Rated Impulse Voltage-330V
- Operating Ambient -40~+30°C
- Installation & wiring instruction for field wiring

#### Collector Installation

Collector size  
Ø90 x 29mm  
Ø3.5 x 1.1in



1. Installed inside a suitable electrical cabinet in the field.
2. The Collector can be placed anywhere that is not exposed to heat or water.
3. Connect wires according to the appropriate wiring diagram for your system (page below). Additional wiring diagrams can be found at [www.wirebridger.com](http://www.wirebridger.com).

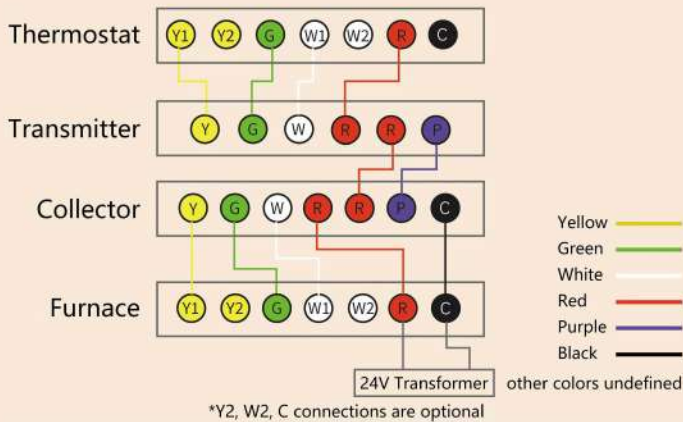
#### Testing

After installation, check each control on the thermostat (G,Y,W, etc.) to make sure it opens and closes properly. Enabling the control on the yellow wire activates the loads on the yellow and green wires on the receiver.

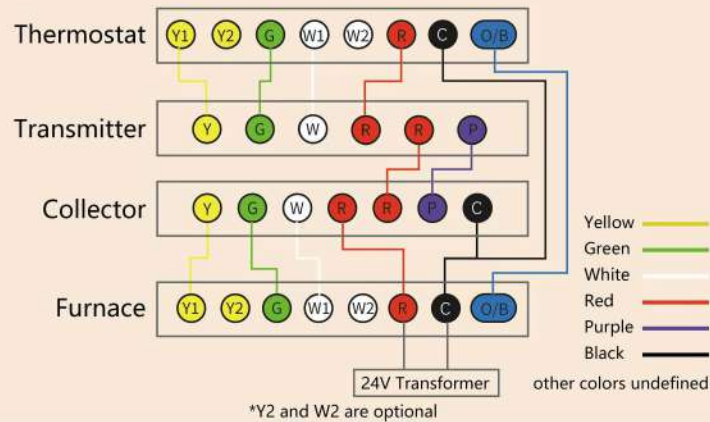
#### Contact us

For any installation and technology assistance, please call our support line at 1(833)889-9473 (WIRE), or send an email to [Info@wirebridger.com](mailto:Info@wirebridger.com).

### Furnace & Air Conditioner



### Furnace & Heat Pump



### Air Handler & Heat Pump

