



NT-PWIRE

Phantom Wire™ for Thermostats

Creates a 24VAC common wire

For use with existing thermostat cables with one too few conductors

GENERAL DESCRIPTION:

The NT-PWIRE Phantom Wire™ device allows the installer to connect any Net/X™ thermostat when a 'common' wire is not available in the existing thermostat cable. This handy device 'creates' a phantom wire. In many existing installations, older thermostat cables don't have a common (24VAC common) wire because they were not needed for the mechanical thermostats originally installed. Years ago, it was typical for the cable to only have four (4) conductors. The NT-PWIRE creates the 'common' wire so the HVAC unit can be used along with any NetX thermostat or just about any other thermostat requiring a 24VAC common. Additionally, the NT-PWIRE includes screwless terminals, color-coded wiring for the HVAC unit connection, and LEDs on the unit to show power, heat, cool and fan calls are being created from the thermostat, practically eliminating troubleshooting.

STANDARD FEATURES:

- Creates a Phantom 24VAC Common Wire
- Use When There is One Too Few Conductors in Existing Thermostat Cable
- Integrated LEDs showing Power and Operation of Heat, Cool, and Fan
- Jumper Allowing Removal of LED functions if Not Desired
- Color-Coded Cabling for 5-wire HVAC connection at Equipment
- Screwless Terminals for Existing Thermostat Cable
- Wiring Diagram included on Case Cover for Easy Installation and Troubleshooting

SPECIFICATIONS:

DEVICE ASSEMBLY at HVAC EQUIPMENT

Rated Voltage: 20V to 30VAC, 24VAC nominal
 Rated Output Current: 5A / 250VAC, 5A / 28VDC
 Thermostat Terminations: All Screwless, G – Green, R – Red, W – White, Y – Yellow
 Equipment Wires: 9" with Stripped & Tinned Ends
 R – Red (24VAC+), C – Black (24VAC Common)
 W – White (Heat), Y – Yellow (Cool), G – Green (Fan)
 Jumpers: JP1 – Remove Jumper to Disable LEDs

DIODE ASSEMBLY at THERMOSTAT

Diode Assembly Terminations: Y – Yellow (Cool), G – Green (Fan), B – Blue (Connect to Thermostat YELLOW wire)
 Thermostat Terminations: R – Red (24VAC+), C – 24VAC Common (Green), W – Heat (White),
 Y - Connect to Diode Assembly BLUE wire

WIRING DIAGRAMS:

NT-PWIRE Installation

