

STEFFES CORPORATION

TWACS CONTROL INSTALLATION INSTRUCTIONS

Item #1040256 (Kit Resistor Interface TWACS Control)

For power companies utilizing the TWACS load management and AMR system, to interface the Steffes equipment into these applications, minor modifications to the control circuit is required. Since the electronic switching device used by the TWACS system doesn't provide a totally open circuit, our equipment recognizes the switch as being closed all the time. The addition of a 2k ohm, 5 watt resistor between the peak control circuit of the controller and the low voltage ("R") input in our equipment is necessary to allow the two systems to work in conjunction with each other.



In the applications shown below with the TWACS controller, the peak control signal on the Steffes heating equipment would be inverted. Therefore, if the heating system or transmitting device was configured to open for charging, a closed signal from the TWACS controller would indicate a charge time and an open signal from the TWACS controller would indicate a peak times.

FIGURE 1
Comfort Plus – ECM Motor

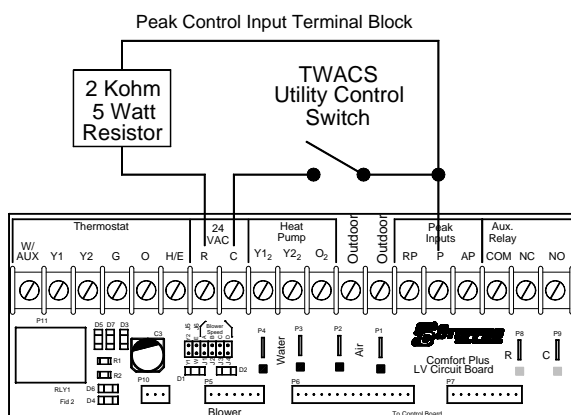


FIGURE 2
Comfort Plus – PSC Motor

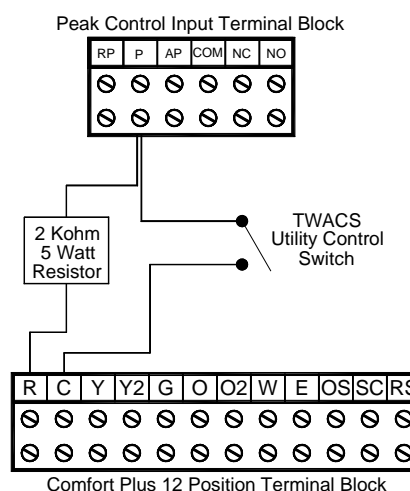


FIGURE 3
2100/2000 Series Room Heater (Single Unit)

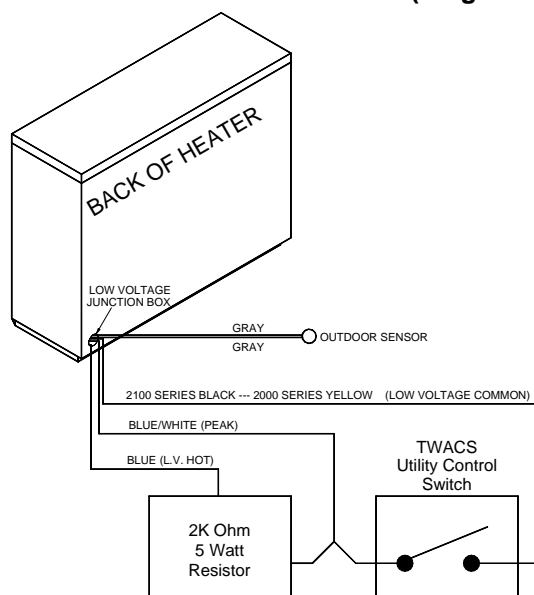


FIGURE 4
2100/2000 Series Room Heaters (Multiple Units)

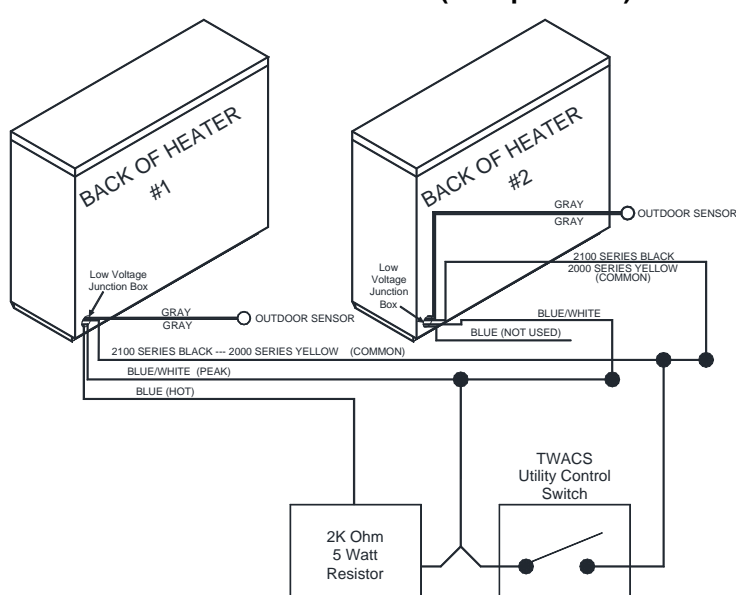


FIGURE 5
Power Line Carrier Transceiver

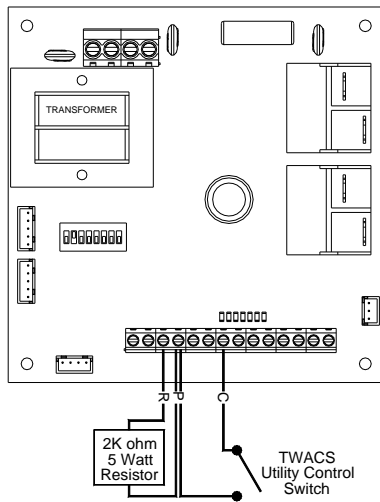


FIGURE 6
Power Line Carrier Transmitter

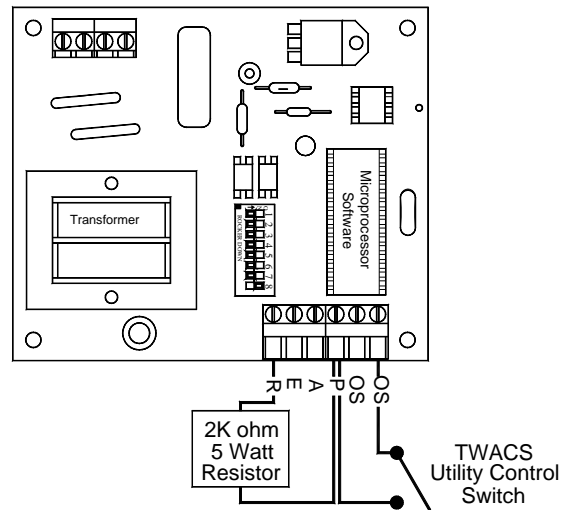


FIGURE 7
Comfort Control Relay Panel

