

Remote Temperature Control

DSC-006

Application

The security system will provide timed and/or telephone control of central heat systems

Benefit

To provide specific temperature control including setback and comfort temperature levels

Scheduled control of central heat/cooling systems for energy management and comfort

Equipment Required:

- ☑ Appropriate alarm panel with 5580 Escort Module;
- ☑ **X-10 PRO** PSC04 Powerline Interface;
- ☑ **X-10 PRO** PDT15 PROSTAT Digital Thermostat
- ☑ Length of 4 conductor telephone cable;
See important "Note" in Installation Section below
- ☑ Optional, but highly recommended, XPTT & XPTR Testers to evaluate X-10 signal strength within premises;
- ☑ PHC02 Maxi Controller, essential in your kit, to transmit X-10 codes during final set up and verification of HVAC Controller operation

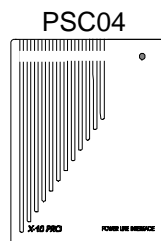
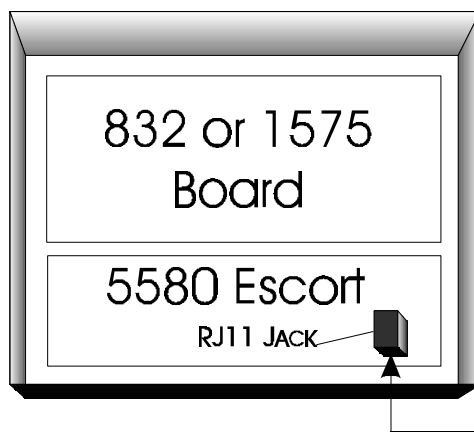
Installation:

Step 1: Locate available AC outlet near panel

Step 2: Plug PSC04 into outlet, connect phone cord between Escort 5580 and PSC04 Powerline Interface;

*Note: The PSC04's red LED will be illuminated in its idle state if the interconnecting cord is the correct one. If the LED does **not** illuminate when the 5580 is connected to the PSC04, then the phone cord is likely the wrong type. The LED will blink "Off" when the PSC04 is transmitting signals onto the power line and return to its idle "On" state when transmissions are complete.*

Step 3: Install **X-10 PRO** PDT15 as per the supplied instructions.



Things to watch for:

- ☑ Do premises require either a Passive Phase Coupler, Coupler Repeater, or Blocking Coupler Filter?
- ☑ Sources of AC electrical noise to determine whether any filters (XPPF) may be required: i.e.- Baby Monitors, PC's, Lap Top PC's, TV's, refrigeration units, etc.

NOTE: Be advised that X-10 PRO equipment uses the building's own wiring to communicate, therefore an unpolluted electrical environment is essential. Specific knowledge and training are required to design and install X-10 PRO systems. Should questions arise, please contact your local X-10 PRO Regional Manager or X-10 PRO's Technical Support at 1-800-832-4003.

It is understood that the choice of components is not to be relied upon as final and is provided for informational purposes only. The user acknowledges that the application of any X-10 PRO equipment should be performed by trained installers adhering to all electrical codes, principally due to the fact each electrical system they encounter is unique and performance may be different at each site. Nothing contained herein is to be construed as creating any liability or engineering responsibility from X-10 PRO and its staff. See instruction sheets supplied with each product for more specific application and wiring information.

DSC 832 & Escort 5580 Programming Information:

Refer to DSC PC5010 Programming Worksheet Booklet, to configure the PGM for the event which the X-10 PRO device will follow (Optional);

Note - This example shows optional programming to have the PDT15 HVAC Controller follow the “armed status” of the PC5010 in order to control the setback functions automatically when the system is armed (or a partition is armed). This may not be required in all applications and can be eliminated if the customer wishes to only have local or remote phone control of the PDT15 functions. These programming sections have been marked (Optional)

- Ensure all connections are correct and all other system programming is complete
- Optional - In this example it is assumed that you are utilizing the first available PGM (PGM3) for an X-10 device to follow, (however you could select any PGM between PGM3 & 14)
- Optional - Select PC5010 Programming Section [010]
- Optional - Enter 05 (this will configure PGM3 for system - partition - armed status)
- Optional - Press “#” to exit Section [010]
- Optional - Section [143] must have Attribute 3 “Off”. In this section you may also select if only a particular partition is to control the Setback function

Refer to Escort 5580 Installation Manual, for details regarding programming the Escort to control X-10 PRO device(s)

- Refer to Section [002], Option 03 must be ‘On’ to enable home automation
 - In this example you are programming Escort 5580 Automation Item 01 for “Heat On/Off” control and Automation Item 02 for “Setback On/Off” control, therefore Section [130] would be programmed with [120] which corresponds to X-10 Address “H9” and Section [135] would be programmed with [124] which corresponds to X-10 Address “H13” (as shown in Appendix B) and the suggested address on the X-10 PRO PDT15 Controller Board should be set to House Code “H”
 - Section [131] and [136] must have Option 01 “On” to enable the automation items
 - Section [136] Option 07 may optionally be “Off” and Option 09 “On” if you wish the Automation Item to prompt by saying “Setback On/Off” rather than just “On/Off” for the setback function
 - Section [136] Option 04 must be “On” to allow Setback points to be changed by using dimming commands
 - Optional - Section [139] must be programmed as [01], to enable PC5010 output control
 - Optional - Section [402] must be programmed as 03 for the Automation Item to follow PGM3
- * Specific temperature settings may be transmitted to the PDT15 from the Escort 5580 on timer schedules and/or following panel triggers specified by you.