

HTELSS

Telephone Control Module for Smartwired Control Installation and Operation



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The HTELSS Telephone Control Module allows building occupants to control lighting on or off, using a touch-tone telephone. Any building occupant can call the HTELSS module's extension number, listen to the voice prompts, and enter keypad signals to turn the lighting ON or OFF.

The module connects to The Watt Stopper Smartwired Switching System (SWS) via the local dataline, and to the phone system via a normal telephone line.

Features

- Voice prompted telephone switch module
- Occupants can turn lights on and off using touch tone telephone
- Can control any relay or channel in any panel in the SWS system
- One telephone line connection
- Dataline connection provides power and data
- DIN rail mounted
- Optional pass code protection
- Two operating modes: ON/OFF or ON Only
- Optional enable/disable function
- FCC certified, 1-year warranty

Before proceeding, read the instructions on the following pages. For an overview of the entire system, refer to the other sections of the Smartwired Switching System Installation and Operations Manual.

If you have any questions, call our Service Team at 888-852-2778.

For Reference

HTELSS Phone Number _____

4-digit Pass Code _____



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888-852-2778

Installation

The HTELSS can be installed very easily in any panel or accessory enclosure in the SWS network.

1. Connect the dataline cable provided with the HTELSS unit to the 4-pin dataline connector at the top edge of the unit. (See Figure 1)
2. Connect the other end of the dataline cable to a 4-pin "Local Dataline" connector in any SWS panel (this connection provides power to the unit and data communications). (See Figure 2)
3. Plug a standard telephone line from the desired telephone line jack to the input marked "Telephone Line" on the HTELSS unit.
4. Mount the HTELSS unit on the DIN rail in the SWS panel.

Operation

To begin using the HTELSS, a user simply plugs the module into the local dataline and connects the phone line.



Figure 1



Figure 2

The user then can immediately call the unit to turn lighting ON or OFF. Voice prompts lead the user through the operation. No special setup is required.

Through the module, users can control any relay or channel in the SWS network. All that is required is a valid Control Code.

Control Code

The Control Code specifies the particular relay or channel to be controlled ON or OFF. The 4-digit Control Code is made up as follows:

- 1st two digits: Panel number (00 - 99).
- 2nd two digits: Relay number in that panel (01 - 48), or number representing a Channel in that panel (91-98).

Example: Control Code = 0205 (Panel #02, Relay #05)

Channels A-H have a corresponding number code as shown in Table 1:

Channel	Control Code
A	91
B	92
C	93
D	94
E	95
F	96
G	97
H	98

Table 1

ON/OFF Control

To turn lights ON or OFF using the HTELSS, call the unit from any touch-tone telephone and follow the voice prompts.

To start:

Dial the phone number of the phone line connected to the HTELSS from a touch-tone phone.

You will hear the following voice prompts:

- **1.0 "Welcome."**
(If Pass Code feature is disabled, you will hear prompt 3.0)
- **2.0 "Enter the Pass Code followed by the Pound Key."**

Enter the 4-digit Pass Code, then press #.

The system may announce:

- 2.1 **"Invalid Pass Code."** If the entry is not recognized; the HTELSS repeats prompt 2.0.
- 2.2 **"Pass Code is incorrect. Please check the Pass Code and dial again."** After three invalid tries, the HTELSS hangs up.
- 2.3 **"Time expired, exiting the system."** If time expires (about 5 seconds) before a valid entry is made, the HTELSS hangs up.

- **3.0 "Please enter your 4-digit Control Code, followed by the Pound Key."**

Enter the Control Code for the relay or channel to be controlled, then press #.

The system may announce:

- 3.1 **"Invalid Control Code."** If your entry is not recognized, the HTELSS repeats prompt 3.0.
- 3.2 **"Control Code is incorrect. Please check the Control Code and dial again."** After three invalid tries, the HTELSS hangs up.
- 3.3 **"Time expired. Exiting the system."** If time expires (about 5 seconds) before a valid entry is made, the HTELSS hangs up.

When a valid Control Code is entered, the system prompts:

- **4.0 "Press one for ON, or zero for OFF."**

Press **1** for **ON** (turns the lighting controlled by the relay or channel ON), or Press **0** for **OFF** (turns the lighting controlled by the relay or channel OFF).

HTELSS Telephone Control Module for Smartwired Control Installation and Operation

The system may announce:

- 4.1 "Invalid entry," and repeat prompt 4.0.
- 4.2 "You have made an invalid entry. Exiting the system." After three invalid tries, the HTELSS hangs up.
- 4.3 "No action taken. Following ON Only mode." If the supervisor has selected ON Only mode (see Configuration Key 5), occupants will not be able to turn lighting OFF. The system continues: "Command accepted. Hang up to exit the system or enter another Control Code followed by the Pound Key."
- 4.4 "Time expired. Exiting the system." If time expires (about 5 seconds) before a valid entry is made, the HTELSS hangs up.

After a valid ON or OFF entry, the system will announce:

- **5.0"Control Code** ____ (number is announced) **is ON** (or OFF). **Command accepted. Hang up to exit the system or enter another Control Code followed by the pound key."**

This confirms that the entry was valid and processed.

Hang up if finished, or enter another Control Code to control more lighting.

The system may announce:

- 5.1 "Time expired. Exiting the system." If time expires (about 5 seconds) before a valid entry is made, the HTELSS hangs up.

Configuration Mode

Several additional functions are available to the system supervisor calling the unit from a touch-tone phone. Through the Configuration Mode, the supervisor can:

- Set up a Pass Code if desired. and enable or disable the Pass Code. This optional function allows only

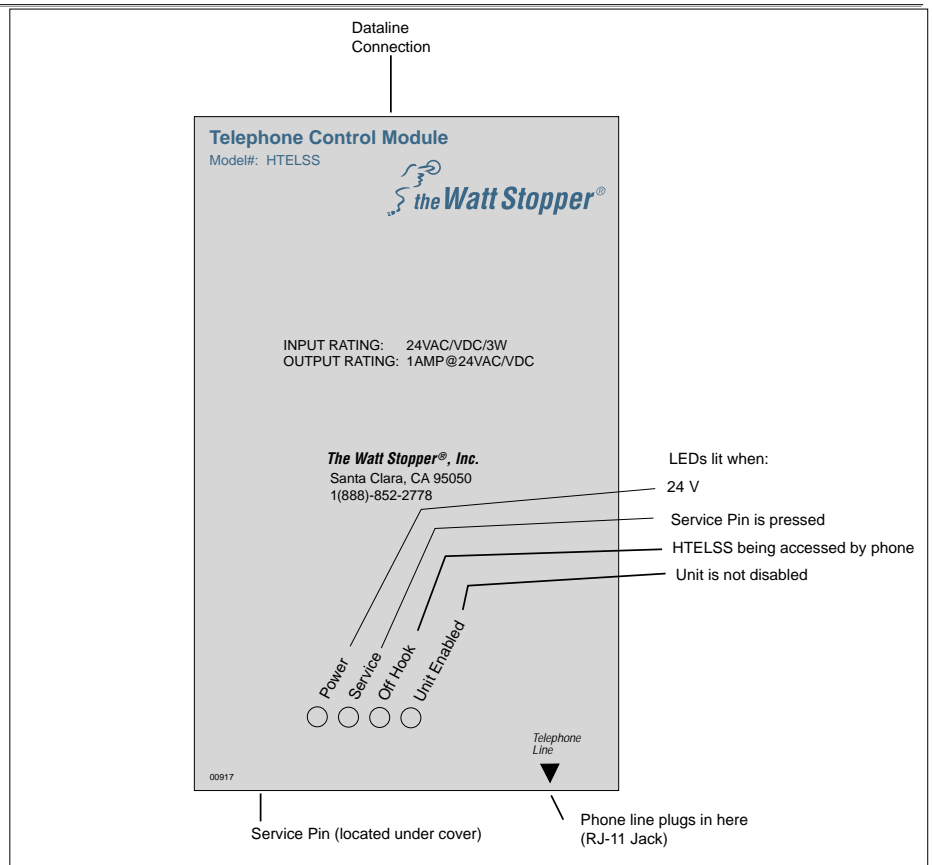


Figure 3 Telephone Control Module Interface

authorized users who know the Pass Code to control lights using the HTELSS, or to access other supervisor capabilities. There is only one Pass Code for the system. The factory default Pass Code is 0000.

- Change the number of rings before the unit answers. The default setting is one ring before the HTELSS will answer the phone. The supervisor may change this to any number of rings from 1 to 9.
- Set up a relay to provide a signal to the HTELSS. This signal can either:
 - a. Switch the unit between "ON/OFF" and "ON Only" modes, or
 - b. Enable/disable the module

For example, in a large office building, the supervisor may not want building occupants to be able to turn lighting off using telephone control during the regular day. Or, in a retail store, the supervisor may want to disable the HTELSS

during store hours and only allow telephone control after normal hours.

This interposing relay can be scheduled by the system, or can be controlled by a manual switch - a keyed switch which provides extra security and allows only an authorized user with a key to activate the switch. The supervisor first assigns which relay the unit is to follow by specifying its Control Code. The supervisor must then also instruct the unit to act upon the signal the relay provides.

To enter the Configuration Mode, dial the phone number of the phone line connected to the HTELSS from a touch-tone phone. You will hear the "Welcome" voice prompt.

Enter the Configuration Mode code sequence:

- Press * key five times
- Enter 4-digit pass code
- Press # key

Example: For a Pass Code of 1234, the sequence would be:***** 1234 #

Note: The factory default Pass Code is 0000.

When a valid Pass Code has been entered, you will hear:

"Entering Configuration mode."

- The system waits without further prompting for about 5 seconds for a configuration key to be pressed. Follow the steps (numbered 1-9 and 0) outlined in Table 2 for each function to make the desired changes.
- After each configuration change, a confirmation will be heard, then the system waits without further prompting for another configuration key to be pressed.
- If time expires before a valid entry is made, the system will announce **"Time expired. Exiting the Configuration mode"** and hang up.

1 CHANGE PASS CODE

Press **1** + (the new desired) **4-digit Pass Code + #**. You will hear **"Pass Code has been changed."**

Note: Factory default Pass Code is 0000

Make a note of the Pass Code. If you have forgotten your Pass Code, call Technical Support at 888-852-2778 for assistance.

been selected, it is normally disabled. Users may still access the HTELSS directly unless the supervisor enables the Pass Code (key 2).

2 ENABLE PASS CODE

Press **2**. You will hear: **"Pass Code has been enabled."**

3 DISABLE PASS CODE

Press **3**. You will hear: **"Pass Code has been disabled."**

4 CHANGE THE NUMBER OF RINGS BEFORE ANSWERING

Press **4** + a **number from 1-9** for the rings desired. (Example: Press 4 then 2, for 2 rings.) You will hear:

"Number of rings before answering has been changed."

5 SELECT "ON ONLY" VERSUS "ON/OFF" MODE

An interposing relay can be used to signal a different mode of operation to the telephone control module. When the relay is OFF, the HTELSS follows ON/OFF mode (the default). When the relay is ON, the telephone module follows ON Only mode.

Press **5**. You will hear:

5A "Enter the Control Code to be used for 'ON Only' mode, followed by the pound key."

Enter the 4-digit Control Code for the relay that will provide the "ON Only" signal, then press #.

Or, the system may announce:

5A-1 "Invalid Control Code." If your entry is not recognized, the HTELSS repeats prompt 5A.

5A-2 "Please enter your 4-digit Control Code followed by the pound key." If no valid entry is made within 5 seconds, the system will prompt again with this statement. It will repeat this message once more, then proceed to 5A-3.

5A-3 "Time expired. Exiting the system." If time expires (about 5 seconds) before a valid entry is made, the HTELSS hangs up.

After a valid Control Code entry, the system will announce:

5B "Enter 1 to follow or 0 not to follow 'ON Only' mode." Press **1** to Follow ON Only mode. Press **0** if the HTELSS is **Not to Follow** "ON Only" mode.

The system may announce:

5B-1 "Following 'ON Only' mode." The HTELSS will now follow the state of the specified relay. Relay ON = ON Only mode. Relay OFF = ON/OFF mode. (Proceed to 5C).

5B-2 "Not following the 'ON Only' mode." The HTELSS remains in ON/OFF mode, and does not follow the relay. (Proceed to 5C).

5B-3 "Configuration Command Invalid." The system immediately proceeds to 5C.

5C "Entering Configuration Mode."

The system returns to the Configuration mode, and waits for another Configuration Key to be pressed.

5D "Time expired. Exiting the system." If time expires (about 5 seconds) before a valid entry is made, the HTELSS hangs up.

Hang up if finished, or enter another Configuration Key if more supervisor functions are desired.

Although a Pass Code has

Key	Function
1	Change Pass Code
2	Enable Pass Code
3	Disable Pass Code
4	Change number of rings before answering
5	Follow ON Only mode
6	Follow a Relay to Enable/Disable unit
9	Return to normal operation
0	Exit the system

Table 2 Configuration Functions

6 FOLLOW A RELAY TO ENABLE/DISABLE THE HTELSS

An interposing relay can be used to schedule operation of the telephone module. When the relay is OFF, the HTELSS is enabled. When the relay is ON, the unit is disabled.

Press **6**. You will hear:

6A "Enter the Control Code used to control the telephone interface, followed by the Pound key." Enter the 4-digit Control Code for the relay that will provide the enable/disable signal, then press #.

The system may announce:

6A-1 "Invalid Control Code." If your entry is not recognized, the HTELSS repeats prompt 5A.

6A-2 "Please enter your 4-digit Control Code followed by the pound key." If no valid entry is made within 5 seconds, the system will prompt again with this statement. It will repeat this message once more, then proceed to 6A-3.

6A-3 "Time expired. Exiting the system." If time expires (about 5 seconds) before a valid entry is made, the HTELSS hangs up.

After a valid Control Code entry, the system will announce:

6B "Enter 1 to follow or 0 not to follow Telephone Interface Disable mode." Press **1** to Follow the relay to enable/disable the HTELSS. Press **0** if the HTELSS is **Not to Follow** the relay. The unit will not be disabled.

The system may announce:

6B-1 "Following Telephone Interface Disabled mode." The HTELSS will now follow the state of the specified relay. Relay ON = HTELSS disabled. Relay OFF = HTELSS enabled. (Proceed to 6C).

6B-2 "Not following Telephone Interface Disabled mode." The HTELSS will not follow the relay, and remains enabled. (Proceed to 6C).

6B-3 "Configuration Command Invalid." The system immediately proceeds to 6C.

6C "Entering Configuration Mode." The system returns to the Configuration Mode, and waits for another Configuration Key to be pressed.

6D "Time expired. Exiting the system." If time expires (about 5 seconds) before a valid entry is made, the HTELSS hangs up.

Hang up if finished, or enter another Configuration Key if more supervisor functions are desired.

IF THE HTELSS IS DISABLED

If an occupant tries to call the HTELSS when it is disabled, the system will not answer with "Welcome" (prompt 1.0). Instead, it will say: **"Telephone interface is disabled"** and will not respond to occupants.

The supervisor can still access Configuration Mode at this point by entering the Configuration Mode code sequence:

(5) * keys + 4-digit Pass Code + #
(see page 4)

9 RETURN TO NORMAL OPERATION

Press **9**. You will exit the Configuration mode and be returned to ON/OFF Control.

0 EXITING THE SYSTEM

Press **0** or **hang up** to finish working with the HTELSS. You will hear: **"Exiting the system. Goodbye."**

Troubleshooting

Phone rings but the HTELSS does not answer.

- Verify that the phone line is properly connected to the HTELSS.
- Verify that the HTELSS has power (the "Power" LED should be lit).
- Verify that the HTELSS is "enabled" (the "Unit Enabled" LED should be lit).
- Verify that the phone line is operational.

Phone line is BUSY when calling the HTELSS

- Someone else is accessing the HTELSS phone line at the same time. Try your call again later.
- Verify that the phone line is operational.

The expected control operation does not happen.

- Follow the voice prompts to determine whether your command was accepted or not.
- Verify that the Control Code you are using is correct.
- Check dataline connections between devices in the system, particularly between the panel with the HTELSS unit and the panel with the relay(s) to be controlled. The HCLK8SS Network Clock can be used to verify dataline communications (see Network Clock instructions doc # INHCLK-S, page 14 under "Diagnostics").

Forgot or Lost the Pass Code?

- Call The Watt Stopper Technical Support at 888-852-2778.



Santa Clara, CA 95050
888-852-2778
www.wattstopper.com

Occupant Reference Card

Copy and Cut for distribution if desired:

To control your lights from the phone, dial: _____

If prompted for Pass Code, enter: _____ + #

At Control Code prompt, enter: _____ + #

When prompted, press: 1 for ON, or 0 for OFF

To control your lights from the phone, dial: _____

If prompted for Pass Code, enter: _____ + #

At Control Code prompt, enter: _____ + #

When prompted, press: 1 for ON, or 0 for OFF

To control your lights from the phone, dial: _____

If prompted for Pass Code, enter: _____ + #

At Control Code prompt, enter: _____ + #

When prompted, press: 1 for ON, or 0 for OFF

To control your lights from the phone, dial: _____

If prompted for Pass Code, enter: _____ + #

At Control Code prompt, enter: _____ + #

When prompted, press: 1 for ON, or 0 for OFF

To control your lights from the phone, dial: _____

If prompted for Pass Code, enter: _____ + #

At Control Code prompt, enter: _____ + #

When prompted, press: 1 for ON, or 0 for OFF



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