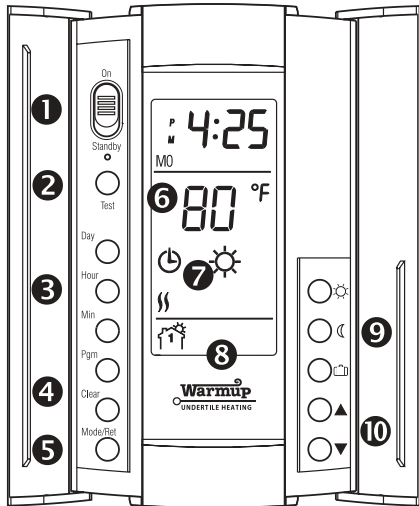




TH115 F/A/AF Owner's Guide

Thank you for choosing the Aube TH115, a programmable thermostat that provides both energy savings and comfort.



4 First Power ON

When power is applied for the first time, the LCD displays:

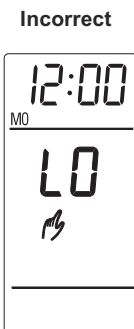
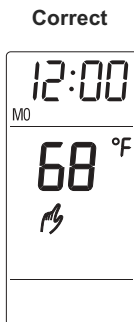
0:00, MO (Monday), (manual mode) and the floor temperature.

- Press HOUR - MIN to set the current time.
- Press DAY to set current day.

For F and AF models: one of the two following messages may be displayed if the installation is incorrect:

LO: The floor temperature is below 32°F, or the temperature sensor is defective, or not connected. The heating indicator (||||) is displayed and the relay is closed (energized).

HI: The floor temperature is above 140°F, or the temperature sensor is defective.



1 TH115 Description

Buttons and symbols

- On/Standby switch**
Use this switch to put the thermostat in sleep mode when its use is no longer required (e.g. summer). This will not affect the clock or programming.
- GFCI warning light and test button**
- Day & clock settings**
- Programming mode**
- Mode selection/exit programming**
- Floor or room temperature**
- Current mode and setpoint**
- Current program number**
- Setpoint definition/pre-defined setpoints**
- Increase/decrease temperature**

Models

- F** Controls the floor temperature.
- A** Controls the ambient temperature.
- AF** Controls the ambient temperature and limits the floor temperature.

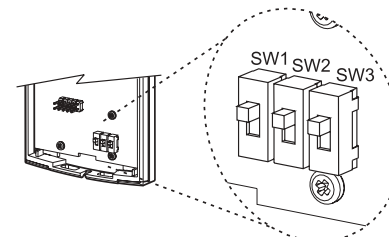
2 Switch Selection

This thermostat is factory-set to the following values:

| # | Function | UP | DN |
|-----|----------------------------------|---------|---------|
| SW1 | Temperature display ^a | °F | °C |
| SW2 | Early Start ^b | Disable | Enable |
| SW3 | Time display | 12-hour | 24-hour |

- If you switch from °F to °C or vice versa, the ☀, ☾ and ☑ setpoints may need to be redefined.
- When using AUTO mode, the thermostat calculates the optimum start time to obtain the desired temperature by the set time. The heating system could be started a few hours prior to set time when required.

Switches are located on the rear of the control module.

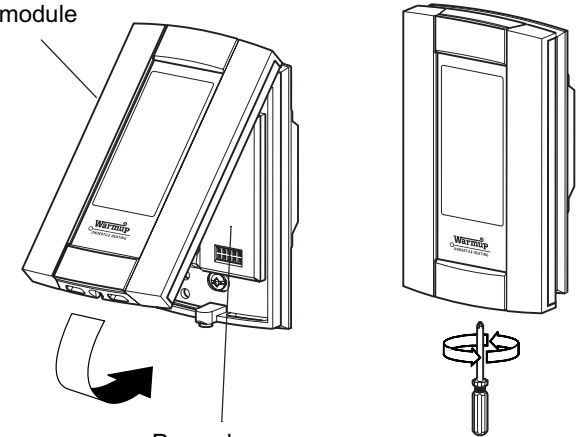


To modify any setting, switch up or down.

3 Control Module Installation

Align the bracket tabs on the control module with the holes located on top of the power base.

Control module



Power base

NOTE: Keep the thermostat's air vents clean and free from obstructions.

NOTE: The screw cannot be removed completely.

4 First Power ON

When power is applied for the first time, the LCD displays:

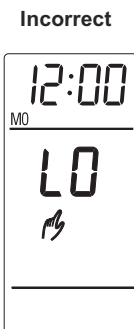
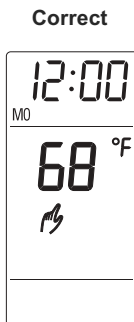
0:00, MO (Monday), (manual mode) and the floor temperature.

- Press HOUR - MIN to set the current time.
- Press DAY to set current day.

For F and AF models: one of the two following messages may be displayed if the installation is incorrect:

LO: The floor temperature is below 32°F, or the temperature sensor is defective, or not connected. The heating indicator (||||) is displayed and the relay is closed (energized).

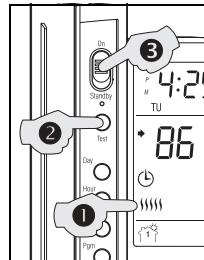
HI: The floor temperature is above 140°F, or the temperature sensor is defective.



5 GFCI Test (GA & GB power base only)

The GFCI monitors the electrical flow for any loss of current; if there is one, the thermostat will cut off power to the heating system. We recommend you test the GFCI immediately after installing the control module, and once a month thereafter to ensure it is operating properly. To test:

- Increase the temperature ▲ until the heating indicator (||||) is displayed.
- Press TEST:
 - Successful:** the TEST warning light is ON and power to heating system is cut off (||||) remains).
 - Unsuccessful:** the TEST warning light is OFF. Cut power to heating system from the main power panel and call customer service.
- When successful, reset thermostat (Standby/On) to power the heating system.



NOTE: If the test warning light comes ON during normal operation, cut power to heating system from the main power panel and have an electrician verify the installation.

6 Temperature Setpoint

The following temperature setpoints are pre-programmed:

| Symbol | Description | Default | | New |
|--------|--------------------------------------|---------|------|-----|
| | | F | A/AF | |
| ☀ | Comfort (when at home) | 82°F | 70°F | |
| ☾ | Economy (when asleep/away from home) | 68°F | 64°F | |
| ☑ | Vacation (during prolonged absence) | 50°F | 50°F | |

To modify a setpoint:

- Set the desired temperature using ▲▼.
- Press and Hold the ☀ or ☾ or ☑ button until symbol is displayed.
- Press RET to exit.

Floor temperature limit—The floor temperature limit is 82°F. To modify this limit:

- Press ☀ and hold while switching from ON to Standby then back to On.
- Set temperature ▲▼
- Press RET to exit.

To avoid damaging your floor, we recommend you follow the supplier's instructions.

7 Operating Modes

Automatic ☑—Executes the schedule.

Press MODE until ☑ is displayed. The current program number is displayed.

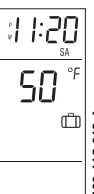
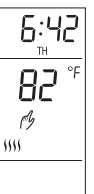
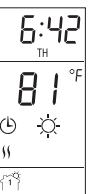
You can temporary bypass the current program by setting a specific temperature ▲▼ or by pressing on a pre-defined setpoint button (☀ ☾). The new setpoint will be maintained until the beginning of the next program.

Manual ⚡—Maintains a constant temperature.

- Press MODE until ⚡ is displayed.
- Set temperature ▲▼ or press (☀ ☾) to use pre-defined setpoint.

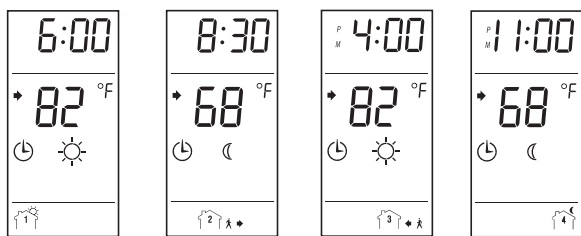
Vacation ☑—Maintains the Vacation setpoint during a prolonged absence.

- Press ☑ until the icon is displayed.



8 Pre-programmed Schedule

The TH115 programmable thermostat is pre-programmed with the following schedule:



Time you wake up and Comfort temperature
 Time you leave home and Economy temperature during your absence
 Time you return home and Comfort temperature
 Time you go to bed and Economy temperature overnight

| Programs | MO | TU | WE | TH | FR | SA | SU |
|----------|-------|-------|-------|-------|-------|-------|-------|
| | 6:00 | 6:00 | 6:00 | 6:00 | 6:00 | 6:00 | 6:00 |
| | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | --:-- | --:-- |
| | 5:00 | 5:00 | 5:00 | 5:00 | 5:00 | --:-- | --:-- |
| | 11:00 | 11:00 | 11:00 | 11:00 | 11:00 | 11:00 | 11:00 |

Temperature Control

The TH115 thermostat works differently than conventional electromechanical thermostats.

It is equipped with a proportional integral adaptive (P.I.A.) controller which determines heating cycles by analyzing the temperature behavior history within the room.

The P.I.A. controller reduces temperature variations providing an accurate temperature control while increasing user comfort.

The controller determines the amount of power required by the heating system to maintain the setpoint temperature.

| 1 | 2 | 3 | 4 | 5 |
|----------|-----------|-----------|-----------|------|
| 1 to 25% | 26 to 50% | 51 to 75% | 76 to 99% | 100% |

9 Modify the Schedule

Notes

- You can program up to 4 different programs per day. Each day can have different programs.
- It is sometimes faster to program the same schedule for the entire week and then to modify the exception days.

To Modify

- Press PGM to access the programming mode
- Press DAY to select the day to be programmed (hold for 3 seconds to select all days of the week).
- Press PGM to select the program number.
- Press HOUR and MIN to set the time or press CLEAR to clear the time (--:-- is disregarded).
- Repeat steps 2 to 4 for remaining programs.
- When completed, press RET to exit mode.

NOTE: After 60 seconds of inactivity, the thermostat will automatically exit programming mode.

Technical Specifications

Model: TH115 F / A / AF

Display range: 32°F to 140°F (0°C to 60°C)

Display resolution: 1° (F) and 0.1° (A/AF)

Setting range (ambient): 40°F to 86°F (5°C to 30°C)

Setting range (floor limit): 40°F to 104°F (5°C to 40°C)

Pre-programmed temperature setpoints:

- Comfort:** F: 82°F (28°C) and A/AF: 70°F (21°C)
- Economy:** F: 68°F (20°C) and A/AF: 64°F (18°C)
- Vacation:** 50°F (10°C)
- Floor limit:** AF only: 82°F (28°C)

Accuracy: ± 0.9°F (0.5°C)

Storage: -4°F to 120°F (-20°C to 50°C)

Temperature control: Proportional integral adaptive, 15-minute heating cycles.

Memory backup: In the event of a power failure, an internal circuit will maintain the programming.

Only the time will have to be set if the power failure is more than two (2) hours. The thermostat will return to the same operating mode as set before the power failure.

Custom Grid

Use this blank grid to record your new schedule.

| Prog | Setpoint | MO | TU | WE | TH | FR | SA | SU |
|------|----------|----|----|----|----|----|----|----|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

- Model: A F AF
- Temperature display: °F °C
- Time display: 12hrs 24hrs

10 Remote Input

The TH115 is equipped with a remote input which allows connection of a telephone controller (accessory Aube CT240/CT241) or any other remote control system. When a signal is received through this input, the TH115 will automatically switch from normal operating mode to Vacation mode () and vice versa when the signal is removed.

Activating the Vacation mode

There are two ways to activate the Vacation mode:

- From the thermostat, see "Operating Modes" above.
- From a telephone (remote location). For details on how to activate using a telephone, refer to the CT240/CT241 Instruction Manual.

WARNING: When the Vacation mode is activated remotely, it must be deactivated remotely.

Warranty

WARMUP ONE (1) YEAR LIMITED WARRANTY

This product is warranted against material defects and workmanship in normal use for a period of one year, from the date of the original purchase from autho-rized dealers. During this period, Warmup inc. will repair or replace the product with a new or of equivalent quality at Warmup inc. option, without charge, any product proven defective in normal use.

Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage. This warranty does not cover the cost of installation, removal or reinstallation.

This limited warranty is in lieu of all other warranties, obligations or liabilities expressed or implied by the company. In no event shall Warmup inc. be liable for consequential or incidental damages resulting from installation of this product.

Some states or provinces do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

The defective product and the original sale receipt must be returned to the original dealer or shipped pre-paid, insured and addressed to:

Warmup
1805 Old Alabama Road, Suite 200
Roswell, GA 30076

If you have any questions concerning the installation or programming of this product, please call our technical assistance at **678 323 1434**, Monday to Friday between 8:30 AM and 5:00 PM Eastern time.