



**VENSTAR®**

**PROGRAMMER  
ACC0432**

**EZ THERMOSTAT™  
PROGRAMMER**

- Allows quick and easy copying from one thermostat to the next
- Choose from clock, time period programming, or all data copy
- Battery backup keeps the clock and day of the week current
- Stores data from several models simultaneously

Compatible with thermostat models:  
T1700, T1800, T1900, T2700, T2800 T2900  
Consult VENSTAR for a complete list.

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**OWNER'S  
MANUAL**

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## Overview

This unique accessory will allow you to copy stored information from a thermostat. Then the information may be loaded into other thermostats, without the need to manually enter each item.

With the EZ Programmer your options are:

- Copy all data from a thermostat (time, day of week, time period programming, and advanced setup information).
- Load just the time and day of week to a thermostat.
- Load just the time period programming to a thermostat.
- Load all data to a thermostat (time, day of week, time period programming, and advanced setup information).

## Overview

The EZ Programmer has a unique location in its memory to store data from each thermostat model that it is compatible with.

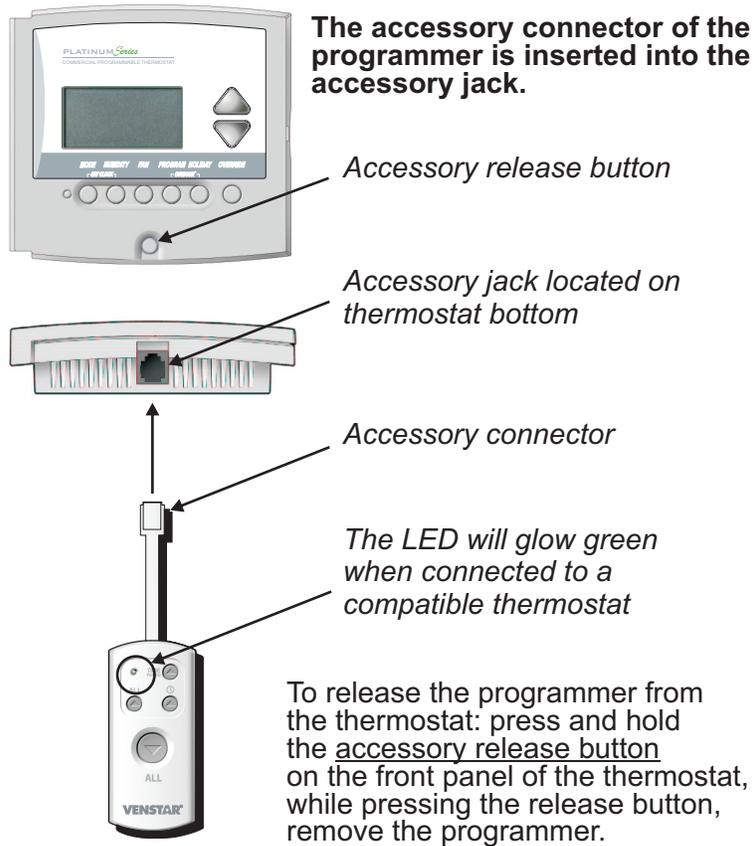
The EZ Programmer will automatically recognize the thermostat model that it is connected to and upload the correct data for that model.

The EZ Programmer over writes only the existing data for the model being downloaded. All other models' data is untouched.

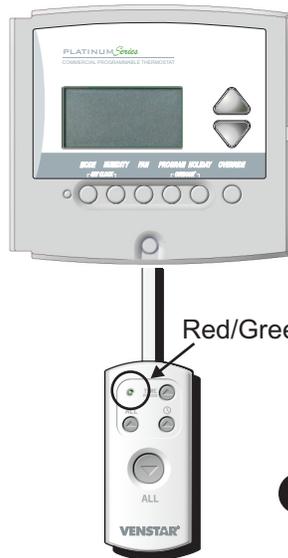
Examples of how this programmer can be used include:

- Extract programming data from a thermostat in the shop and upload it to thermostat(s) in the field.
- An easy way to make the same program changes on multiple thermostats at the same location.
- An easy way to change the time on multiple units.

## Connection



## Connection - LED codes



After the accessory connector of the programmer is inserted into the accessory jack of a compatible thermostat:

- 1 The LED will flash red a number of times based on the model of the thermostat it recognizes.

*Reconnect, if the red/green LED does not flash at all.*

|           |         |
|-----------|---------|
| 1 flash   | = T2700 |
| 2 flashes | = T2800 |
| 3 flashes | = T2900 |
| 4 flashes | = T1700 |
| 5 flashes | = T1800 |
| 6 flashes | = T1900 |

- 2 The LED will turn green when the programmer is ready to continue.
- 3 The LED will turn red during operation and back to green when finished.

### CAUTION



**Do not remove the Ez Programmer from the thermostat while the LED is red.** *If the LED is red longer than 3 seconds, remove it from the thermostat as this is an abnormal condition. In this case let the programmer sit 5 seconds, then reconnect and retry the previous operation.*

## Buttons



**ALL**

This button, when pressed, will copy (download) all the stored data from the connected thermostat to the programmer. The LED will turn red, then will turn green when complete.



**TIME PERIOD**

This button, when pressed, will copy (upload) the time period programming from the programmer to the connected thermostat. The LED will turn red, then turn green when complete.



**CLOCK ONLY**

This button, when pressed, will copy (upload) the time & day of week from the programmer to the connected thermostat. The LED will turn red, then will turn green when complete. See note on page 9.



**ALL**

This button, when pressed, will copy (upload) all the stored data from the programmer to the connected thermostat. The LED will turn red, then turn green when complete.



## Operation - Copy All Data

### To upload All data programming:



**ALL**

This button, when pressed, will copy (upload) all the stored data from the programmer to the connected thermostat.

*The LED of the programmer will turn red, then turn green when copying is complete.*

### To download All data:



**ALL**

This button, when pressed, will copy (download) all the stored data from the connected thermostat to the programmer.

*The LED of the programmer will turn red, then turn green when copying is complete.*

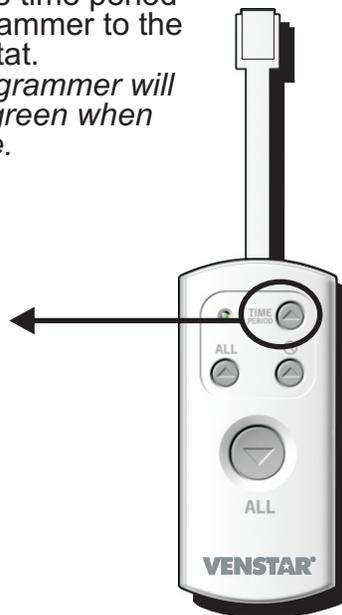


## Operation - Copy Time Period Programming

### To upload Time Period programming:

This button, when pressed will copy (upload) all the time period data from the programmer to the connected thermostat.

*The LED of the programmer will turn red, then turn green when copying is complete.*



## Operation - Copy Time & Day of Week

### To upload Time & Day of Week:



This button, when pressed, will copy (upload) the time & day of the week from the programmer to the connected thermostat. *The LED of the programmer will turn red, then turn green when copying is complete.*

*Note: If connected to a thermostat that does not have a clock, the programmer will not try to transfer the clock information. In this case the LED will not flash red.*



## Factory Defaults & Battery Installation/Replacement



To completely erase all of the contents of the programmer and restore it to its factory default values, insert a paperclip into this hole and depress the small reset switch.

*Screw holding the battery cover.*



To replace the battery: Remove the screw holding the battery cover. Slide off the battery cover & replace it with a CR-2032, or equivalent battery. The internal clock will need to be reset after replacing the battery. To do this, connect the programmer to a compatible thermostat with a clock and day of the week display. Confirm the current day and time, then press



ALL

**Table - Data Transferred, by Model**

| Description            | T1700 | T1800 | T1900 | T2700 | T2800 | T2900 |
|------------------------|-------|-------|-------|-------|-------|-------|
| Time of day            | 1, 3  | 1, 3  | 1, 3  |       | 1, 3  | 1, 3  |
| Day of week            |       | 1, 3  | 1, 3  |       | 1, 3  | 1, 3  |
| F or C readout         | 3     | 3     | 3     | 3     | 3     | 3     |
| Programmable           | 3     | 3     | 3     | 3     | 3     | 3     |
| Auto Changeover        | 3     | 3     | 3     | 3     | 3     | 3     |
| Dead band 1            | 3     | 3     | 3     | 3     | 3     | 3     |
| Dead band 2            | 3     | 3     | 3     | 3     | 3     | 3     |
| Dead band 3            |       | 3     | 3     |       | 3     | 3     |
| 2nd stage timer        |       | 3     | 3     |       | 3     | 3     |
| 3rd stage timer        |       | 3     | 3     |       | 3     | 3     |
| 2nd stage turn off pt. | 3     | 3     | 3     | 3     | 3     | 3     |
| Cycle limit            | 3     | 3     | 3     | 3     | 3     | 3     |
| Forced differential    | 3     | 3     | 3     | 3     | 3     | 3     |
| Fan off delay          | 3     | 3     | 3     | 3     | 3     | 3     |
| Back light             | 3     | 3     | 3     | 3     | 3     | 3     |
| Keypad Lock            | 3     | 3     | 3     | 3     | 3     | 3     |
| Prog. Fan runtime      |       | 3     | 3     |       |       |       |
| Prog. Fan start        |       | 3     | 3     |       |       |       |
| Prog. Fan stop         |       | 3     | 3     |       |       |       |
| Balance point          |       |       | 3     |       |       |       |
| # of occupied periods  |       |       |       |       | 2, 3  | 2, 3  |
| Security level         |       |       |       | 3     | 3     | 3     |
| Heat set limit         |       |       |       | 3     | 3     | 3     |
| Cool set limit         |       |       |       | 3     | 3     | 3     |
| Filter runtime set     | 3     | 3     | 3     | 3     | 3     | 3     |
| UV runtime set         | 3     | 3     | 3     | 3     | 3     | 3     |
| Humid. runtime set     |       |       | 3     |       |       | 3     |
| Time period info.      | 2, 3  | 2, 3  | 2, 3  | 2, 3  | 2, 3  | 2, 3  |
| Vacation w/set points  |       | 3     | 3     |       |       |       |
| Holiday w/set points   |       |       |       |       | 3     | 3     |
| Occupied set points    |       |       |       | 3     | 2, 3  | 2, 3  |
| Unocc. set points      |       |       |       | 3     | 2, 3  | 2, 3  |
| Preoccupancy purge     |       |       |       |       |       | 3     |

**Table Legend:**

1= The data that is transferred when the Clock button is pressed.

2= The data that is transferred when the Time Period button is pressed.

3= The data that is transferred when the All button is pressed.

## Warranty

One-Year Warranty - This Product is warranted to be free from defects in material and workmanship. If it appears within one year from the date of original installation, whether or not actual use begins on that date, that the product does not meet this warranty, a new or remanufactured part, at the manufacturer's sole option to replace any defective part, will be provided without charge for the part itself provided the defective part is returned to the distributor through a qualified servicing dealer.

THIS WARRANTY DOES NOT INCLUDE LABOR OR OTHER COSTS incurred for diagnosing, repairing, removing, installing, shipping, servicing or handling of either defective parts or replacement parts. Such costs may be covered by a separate warranty provided by the installer.

THIS WARRANTY APPLIES ONLY TO PRODUCTS IN THEIR ORIGINAL INSTALLATION LOCATION AND BECOMES VOID UPON REINSTALLATION.

LIMITATIONS OF WARRANTIES – ALL IMPLIED WARRANTIES (INCLUDING IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY) ARE HEREBY LIMITED IN DURATION TO THE PERIOD FOR WHICH THE LIMITED WARRANTY IS GIVEN. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE MAY NOT APPLY TO YOU. THE EXPRESSED WARRANTIES MADE IN THIS WARRANTY ARE EXCLUSIVE AND MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER, OR OTHER PERSON WHATSOEVER.

ALL WORK UNDER THE TERMS OF THIS WARRANTY SHALL BE PERFORMED DURING NORMAL WORKING HOURS. ALL REPLACEMENT PARTS, WHETHER NEW OR REMANUFACTURED, ASSUME AS THEIR WARRANTY PERIOD ONLY THE REMAINING TIME PERIOD OF THIS WARRANTY.

THE MANUFACTURER WILL NOT BE RESPONSIBLE FOR:

1. Normal maintenance as outlined in the installation and servicing instructions or owner's manual, including filter cleaning and/or replacement and lubrication.
2. Damage or repairs required as a consequence of faulty installation, misapplication, abuse, improper servicing, unauthorized alteration or improper operation.
3. Failure to start due to voltage conditions, blown fuses, open circuit breakers or other damages due to the inadequacy or interruption of electrical service.
4. Damage as a result of floods, winds, fires, lightning, accidents, corrosive environments or other conditions beyond the control of the Manufacturer.
5. Parts not supplied or designated by the Manufacturer, or damages resulting from their use.
6. Manufacturer products installed outside the continental U.S.A., Alaska, Hawaii, and Canada.
7. Electricity or fuel costs or increases in electricity or fuel costs for any reason whatsoever including additional or unusual use of supplemental electric heat.
8. ANY SPECIAL INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER. Some states do not allow the exclusion of incidental or consequential damages, so the above may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.