Table of Contents

Display

Menu Field
Displays the current menu

Status Field
Displays the current status of the control's inputs, outputs and operation

Item Field
Displays an abbreviated name or symbol of the selected item

Number Field
Displays the current value of the selected item

Symbol	Description
ACC	**ACCESS LEVEL** Shown when adjusting the access level.
Dem	**DEMAND** Shown when a permanent demand or an external demand is present.
	BOILER Shown when the control requires the boiler burner to fire.
	PUMP Shown when the control turns on the pump. Flashes during the pump purge.
	LOCK / UNLOCK A padlock is shown when the access level is locked.
	WARNING Shown when an error message is present on the control.
%	**MIXING VALVE OUTPUT SCALE** The mixing valve position represented as a bar graph. Arrows show whether the valve is opening or closing.
	TERMINAL UNIT The type of space heating units. Select one of 6 different types.
	OUTDOOR TEMPERATURE Shown together with the current measured outdoor temperature.
	INDOOR TEMPERATURE Shown together with the current measured indoor temperature.
	TARGET Shown together with another symbol to indicate target temperature. Example shown: Indoor Target Temperature.
	DESIGN Shown together with another symbol to indicate design temperature. Example shown: Outdoor Design Temperature.
	MIX Shown together with another symbol to indicate mixing parameters.
	SUPPLY TEMPERATURE Shown together with another symbol to indicate supply temperature. Example shown: Mix Supply Temperature.

Symbol	Description
	ROOM Shown when adjusting room temperature.
Ⓜ	**MOTOR** Shown when adjusting motor speed.
	MANUAL OVERRIDE A temporary or permanent override has been manually selected.
TMPY	**TEMPORARY** A temporary override has been manually selected.
PERM	**PERMANENT** A permanent override has been manually selected.
☼	**WAKE** Wake time period event.
	UNOCCUPIED Unoccupied time period event.
	OCCUPIED Occupied time period event.
☾	**SLEEP** Sleep time period event.
Away	**AWAY** The away override has been manually selected.
WWSD	**WWSD** The outdoor temperature above which the heating is shut off.
⏲1	**TIMER 1** Shown when timer 1 schedule is in night setback.
⏲2	**TIMER 2** Shown when the timer 2 schedule is in night setback.
1 2 3 4 5 6 7	**DAYS OF THE WEEK** 1 = Monday 2 = Tuesday 3 = Wednesday 4 = Thursday 5 = Friday 6 = Saturday 7 = Sunday

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User Interface

The control has 5 menus:

View - view the measured temperatures

Adjust - adjust the operating temperatures

Time - set the current time

Schedule 1 - change the night setback for schedule 1

Schedule 2 - change the night setback for schedule 2

Menu
Press the Menu ● button to change menus.

Item
Press the Item ● button to advance to the next item within a menu.

Press the up ● or down ● button to change the setting.

Sequence of Operation

The control has three different modes of operation available. Each mode allows different items to be visible in the View and Adjust menus.

1) Outdoor Reset with an Indoor Sensor - see pages 4 and 5.

2) Outdoor Reset without an Indoor Sensor - see pages 6 and 7.

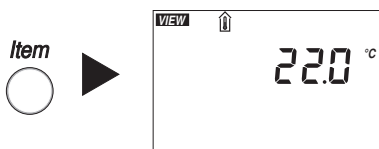**3)** Setpoint Operation - see page 8.
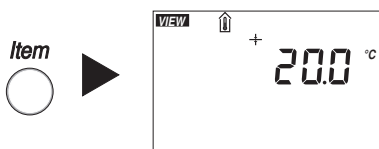
View Menu

View the Outdoor Temperature
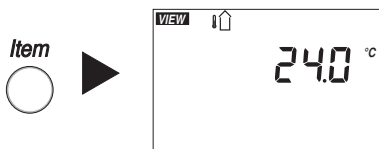
VIEW
24.0 °C

- Displays the measured outdoor temperature.

View the Indoor Temperature

VIEW
22.0 °C

- Displays the measured indoor temperature.
- Press the up or down button to select a temporary override.

View the Indoor Target Temperature

VIEW
+ 20.0 °C
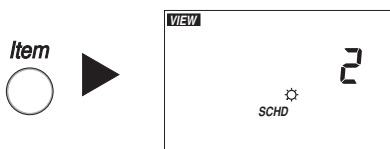
- Displays the desired indoor target temperature.
- Press the up or down button to select a temporary override.

View the Schedule Schd 1
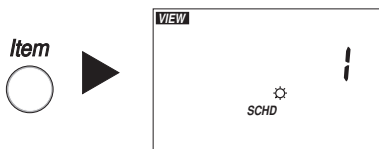
VIEW
1
☼
SCHD

- Displays the current status of schedule 1.

View the Schedule Schd 2

VIEW
2
☼
SCHD

- Displays the current status of schedule 2.
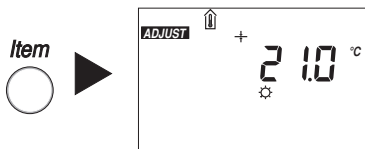*Note:* Schedule 2 is only available when the 31355 is used together with thermostats.

4

Adjust Menu

Step 1   Enter the Adjust Menu

Menu

- Press the Menu button to enter the Adjust menu.
- Adjust menu allows changes to the temperatures.

Step 2   Adjust the Indoor Target ⌂ Temperature

Item ▶

ADJUST
+
2 1.0 ℃
☼

- Select the desired indoor target temperature.
- Press the up or down button to change.
- For 2 event schedules: Indoor Wake ☀

    Indoor Sleep ☾
- For 4 event schedules: Indoor Wake ☀

    Indoor Unoccupied →

    Indoor Occupied ←

    Indoor Sleep ☾

Step 3   Adjust the Temperature Units *°C / °F*

Item ▶

ADJUST
℃
°C or *°F*

- Select either °C or °F.
- Press the up or down button to change.

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View Menu

View the Outdoor 🌡⌂ Temperature

Item ▶

VIEW ⌂
24.0 °C

• Displays the measured outdoor temperature.

View the Mix Supply ⊠🌡→ Temperature
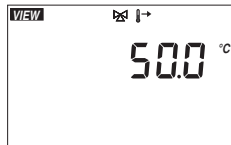
Item ▶

VIEW ⊠ →
50.0 °C

• Displays the mixed supply water temperature.

View the Schedule *Schd 1*
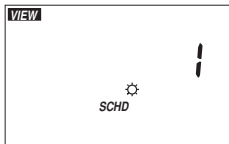
Item ▶

VIEW
☼ 1
SCHD

• Displays the current status of schedule 1.
Note: Schedule 1 is only available when the 31355 is used together with thermostats.

View the Schedule *Schd 2*

Item ▶

VIEW
☼ 2
SCHD

• Displays the current status of schedule 2.
Note: Schedule 2 is only available when the 31355 is used together with thermostats.

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Adjust Menu

| Step 1 | Enter the Adjust Menu |

Menu

◯

- Press the Menu button to enter the Adjust menu.
- Adjust menu allows changes to the temperatures.

| Step 2 | Adjust the Temperature Units *°C / °F* |

Item

◯ ▶

ADJUST

°C

°C or *°F*

- Select either °C or °F.
- Press the up ● or down ● button to change.

View Menu

View the Mix Supply ⋈🌡→ Temperature
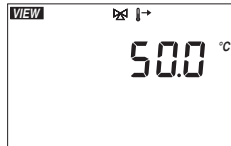
Item ▶
```
VIEW    ⋈ ↓→
        50.0 ℃
```

- Displays the mixed supply water temperature.

View the Schedule *Schd 1*
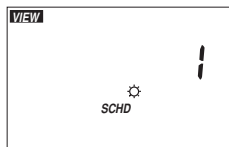
Item ▶
```
VIEW
          1
      ☼
   SCHD
```

- Displays the current status of schedule 1.
Note: Schedule 1 is only shown when the 31355 is used together with thermostats.

View the Schedule *Schd 2*

Item ▶
```
VIEW
          2
      ☼
   SCHD
```
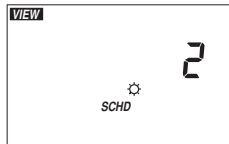
- Displays the current status of schedule 2.
Note: Schedule 2 is only shown when the 31355 is used together with thermostats.
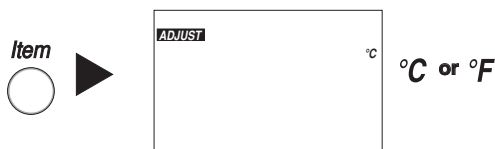
Adjust Menu

Step 1   Enter the Adjust Menu

Menu

- Press the Menu button to enter the Adjust menu.
- Adjust menu allows changes to the temperatures.

Step 2   Adjust the Temperature Units *°C / °F*

Item ▶
```
ADJUST
              ℃
```
°C **or** *°F*

- Select either °C or °F.
- Press the up ⌃ or down ⌄ button to change.

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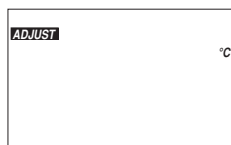
Set the Time

The Time menu is only available when night setback has been selected.

The control has an internal time clock. The time is maintained for at least 4 hours in the case of power loss. The time is visible in the 'TIME' menu only when Setback has been selected.

Step 1 **Enter the Time Menu**

Menu ▶ TIME `00:00`
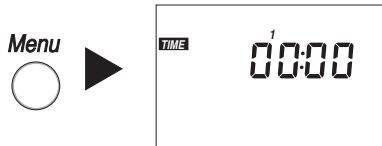
• Displays the current time and day.

Step 2 **Set the Minutes**

Item ▶ TIME `00:00`
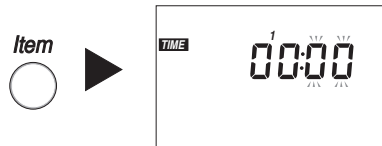
• Press the up or down button to change.

Step 3 **Set the Hours**

Item ▶ TIME `00:00`
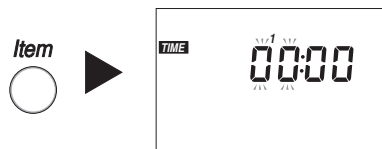
• Press the up or down button to change.

Step 4 **Set the Day of the Week**

Item ▶ TIME `00:00`
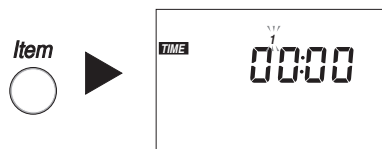
• Press the up or down button to change.

The days of the week are numbered as follows:
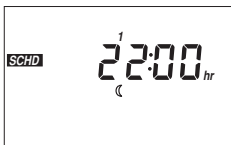
1 = Monday
2 = Tuesday
3 = Wednesday
4 = Thursday
5 = Friday
6 = Saturday
7 = Sunday

Night Setback Timer ⏱ Operation

The control has up to two programmable night setback schedules. In certain configurations there is only one night setback schedule. Each schedule can have either 2 or 4 events per day. If a setback schedule has been selected, a wake ☀ symbol, unoccupied 🏠→ symbol, occupied 🏠← symbol or a sleep ☾ symbol appear in the View menu.

The night setback schedule can repeat every 24 hours, on a 5-11 schedule or on a 7 day schedule. A 5-11 schedule groups Monday through Friday on one schedule and then separate schedules for Saturday and Sunday.

Set the Schedule

Step 1

Menu ▶ | SCHD 1   OFF | **Manual Override**

Step 2

Item ▶ | SCHD   06:00 hr | **Day 1 Wake ☀:**
2 or 4 event schedule
- Press the up ⌃ or down ⌄ button to change.

Step 3

Item ▶ | SCHD   08:00 hr | **Day 1 Unoccupied 🏠→:**
4 event schedule
- Press the up ⌃ or down ⌄ button to change.

Step 4

Item ▶ | SCHD   16:00 hr | **Day 1 Occupied 🏠←:**
4 event schedule
- Press the up ⌃ or down ⌄ button to change.

Step 5

Item ▶ | SCHD   22:00 hr | **Day 1 Sleep ☾:**
2 or 4 event schedule
- Press the up ⌃ or down ⌄ button to change.

Step 6

Repeat for each day of the week available in the schedule.

Event	Day						
	1	2	3	4	5	6	7
☀							
🏠→							
🏠←							
☾							

For each scheduled setback event, a time between 00:00 and 23:50 must be set.

To skip a setback event, set the event time to – –:– –. This is found between 23:50 and 00:00.

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Select a Manual Override 🖑

- Each schedule allows for a separate manual override.
- Select a manual override to prevent the scheduled event from happening.
- A manual override can be used during a holiday, a special event, or while on vacation.
- The timer 1 or timer 2 relay channel is closed when a manual override is selected.

Menu ▶ | SCHD 1 **OFF**
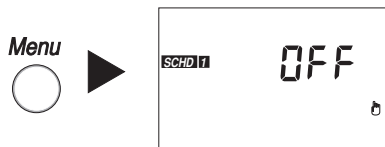
- Press the up ⬆ or down ⬇ button to change.

OFF = operate on scheduled night setback. This is the default setting.

Tmpy Wake = temporarily operate at the Indoor Target Wake temperature or close the timer contact for 3 hours.

Perm Wake = permanently operate at the Indoor Target Wake temperature or close the timer contact.

Tmpy Unocc = temporarily operate at the Indoor Target Unoccupied temperature or close the timer contact for 3 hours.

Perm Unoccupied = permanently operate at the Indoor Target Unoccupied temperature or close the timer contact.

Tmpy Occupied = temporarily operate at the Indoor Target Occupied temperature or close the timer contact for 3 hours.

Perm Occupied = permanently operate at the Indoor Target Occupied temperature or close the timer contact.

Tmpy Sleep = temporarily operate at the Indoor Target Sleep temperature or close the timer contact for 3 hours.

Perm Sleep = permanently operate at the Indoor Target Sleep temperature or close the timer contact.

Away = operate the Indoor Target at 17.0°C (63°F) or close the timer contact.

Select a Temporary Override 🖑

VIEW 🌡 **21.0** °C
+
Tmpy
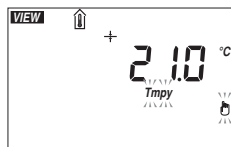
- Press the up ⬆ or down ⬇ button while viewing the Indoor 🌡 or Indoor Target 🌡 +.

- Remains for 3 hours.

- To cancel, press the up ⬆ and down ⬇ buttons together.

Error Messages ⚠

VIEW ⬆
OPn
⚠

When the control encounters a sensor problem, a Warning Symbol together with a description appears on the display. To correct the error, please refer to the Data Brochure or contact a qualified installer.

Cleaning the Control

The control's exterior can be cleaned using a damp cloth. Moisten the cloth with water and wring out prior to wiping the control. Do not use solvents or cleaning solutions.

Limited Warranty and Product Return Procedure

HeatLink® warrants to the original purchaser each HeatLink® product against defects in workmanship and materials when the product is installed and used in compliance with HeatLink's instructions. This limited warranty covers the cost of parts and labour provided by HeatLink® to correct defects in the materials and/or workmanship. Returned products that are fully operational are not considered warranty cases. HeatLink® also does not cover parts and labour to remove, transport or reinstall a defective product. HeatLink® will not be liable for any damage other than repair or replacement of the defective part or parts and such repairs or replacement shall be deemed to be the sole remedy from HeatLink®. This warranty shall not apply to any defects caused or repairs required as a result of unreasonable or negligent use, neglect, accident, improper installation, or unauthorised repair or alterations. In case of defect, malfunction or failure to conform to warranty, HeatLink® will for a warranty period of 18 months from the date of invoice to the original purchaser or 12 months from the date of installation of the product, whichever occurs first, repair, exchange or give credit for the defective product. Any express or implied warranty which the purchaser may have, including merchantability and fitness for a particular purpose, shall not extend beyond 18 months from date of invoice or 12 months from the date of installation of the product, which ever occurs first.

Replacements: HeatLink® can send replacement product if requested. All replacements are invoiced. Any possible credit for the replacement will only be issued once the replaced product has been returned to HeatLink®.

Product Return Procedure: Product that are believed to have failed must be returned to HeatLink®. When agreed to by HeatLink®. The installer or other qualified service person must, at the owners expense, determine which component has failed. The product must be returned complete with all of its components (sensors, base, etc.) Products must be returned together with the proof of purchase to the original purchaser who then returns the product to HeatLink® After receiving a returned goods authorisation (RGA) number from HeatLink®.

Please include the following information with the product: The full address of the original purchaser, the RGA number and description of the problem.

For returns in Canada or the U.S.A., please have product returned to HeatLink Group Inc., 4603E 13th Street N.E., Calgary, Alberta, Canada, T2E 6M3, Ph. 1-800-661-5332.
For returns in Ireland, please have product returned to HeatLink Ireland, Cappincur, Tullamore, Co. Offaly., Ph. 057 - 932 4062.

• If returned during the warranty period and the product is defective, HeatLink® will issue full credit for the returned product less cost of missing parts.
• If returned during the warranty period and the product is fully operational, HeatLink® will return the product to the original purchaser for a testing cost of $40.00 plus shipping.
• If returned during the warranty period and the product is not damaged and is fully operational, HeatLink® can take back the product for a return charge of 50% of the product's net value. This request has to be specified otherwise the product will be returned with a testing cost of $40.00 plus shipping.
• If returned after the warranty period and the product needs repair, HeatLink® will repair and return the product. Repair and shipping costs will be invoiced. HeatLink's repair costs are calculated at $40.00 / hour plus the cost of parts. If the repair costs will be more than $60.00 a repair estimate will be sent to the original purchaser.

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