climote HUB
Installation Guide

Special Instructions
This is a mains powered device. Observe safety precautions and isolate from mains before commencing installation.

Video Instructions
Additional video instructions are available from climote on request.
## Contents

<table>
<thead>
<tr>
<th>Page</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-5</td>
<td>Installation, Wiring and Power-up</td>
</tr>
<tr>
<td>6</td>
<td>Functional Tests and Commissioning</td>
</tr>
<tr>
<td>7</td>
<td>Remote Access Test</td>
</tr>
<tr>
<td>8</td>
<td>Diagnostics</td>
</tr>
<tr>
<td>9 – 11</td>
<td>Thermostat Options</td>
</tr>
<tr>
<td>12 – 14</td>
<td>Customer Training</td>
</tr>
<tr>
<td>16</td>
<td>Safety Information</td>
</tr>
</tbody>
</table>
Inside the Box

climote HUB

Back-plate

Also included
1. Fixing screws.
2. Quick start guide.
3. Pocket guide.
4. Safety information.

Attach Back-plate to Wall-box (1)
**Fit SIM Card (3)**

**Instructions**
1. On rear of unit, slide SIM carrier down to unlock, and hinge upwards.
2. Lightly slide SIM into carrier square side first, so gold contacts face down when closed.
3. Carefully close carrier so angled corner of SIM aligns with angle in SIM holder base and slide carrier back up until it latches home.

Note: climote uses either country SIMs (eg Vodafone, O2) or M2M SIMs. M2M SIMs (see example) use a slightly different test process - see step 8.

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**Wire Back-plate (2)**

**Instructions**
1. Check local wiring configuration.
2. Standard 3-zone wiring is illustrated.
3. Ensure warning label is visible.

Note: climote HUB relays are rated at 5(2)A. Ensure suitable over-current protection when connecting mains (L) to pins 1, 2, or 5.
Attach Unit to Wall-plate (4)

Attaching the Unit
1. Ensure main body screws are fully loosened.
2. Align unit directly above back-plate.
3. Twist down and engage hinge.
4. Push firmly to close and engage clip.
5. Tighten main body screws.

Removing the Unit
1. Isolate from mains.
2. Unscrew main body screws.
3. Remove scroll wheel.
4. Depress clip in recess and twist base of unit away from wall.

Power-up Unit (5)

Power up Unit
1. Switch on power to the unit.
2. Check scroll-wheel illuminates and unit enters start-up sequence – display shows “Unit initialising” for between 30 and 90 seconds.
3. Unit completes start-up and displays 3 timer dials.

Note: in areas of poor signal quality, unit can take up to 5 minutes to complete its start-up sequence. Refer to Diagnostics (10).
Carry Out Local Checks (6)

Local checks
1. Check unit shows correct time within 1 minute of completing start-up sequence. If time does not update, follow steps for “time” in Diagnostics (10).
2. Press the Menu/Back button. Observe Menu Options are displayed. Choose Settings, Signal Strength. Note signal strength.
3. If signal strength is less than 25% follow steps for “poor signal” in Diagnostics (10).
4. Press Menu/Back 3 times to exit.
5. Press “Boost” button for Living zone. Boost menu is displayed, select Boost for 1 hour. Observe Boost light glows orange and heating is turned on in living zone.
6. Press Living Boost again and select Cancel Boost. Boost light is extinguished and heating is turned off in living zone.
7. Repeat for all active zones.

Commission climote HUB (7)

1. Navigate to Zone Setup
Using the Menu/Back button and Scroll Wheel, select:
1. Menu.
2. Settings.
3. Installer Settings.
5. Zone Setup.

2. Set up Zones
1. Active zones – On or Off. Set One, two or three zones to “On” to match the zone configuration. Turn scroll wheel to change, push to select, then select “Next”.
2. Thermostat Settings (see Thermostat Options)
   Turn scroll wheel to change, push to select, finally select “Next”.
3. Select Save – this communicates the settings to the climote web service.
Send Test Phone Message (8)

1. Text to: Device Mobile Number
   Boost Living 1

2. Observe unit
   Living Zone Boost is on

3. Receive Text from:
   Device Mobile Number
   Climote Message:
   Climote Hub
   LIVING(<=) 19.8C, ON
   BED(<=) OFF
   WATER(<=) OFF
   Wed 16:24:36

4. Text to: Device Mobile Number
   Cancel Living Boost

5. Observe unit
   Living Zone Boost is off

The Device Mobile Number is the phone number of the SIM in the unit. Ensure the user is aware of their Device Mobile Number and ask them to save it to their phone. To text M2M SIMs (see example) international SMS may need to be enabled on the installer’s phone. climote provides an alternative local SMS service – see Customer Training, steps U2, U3.

climote Website Test (9)

1. Connect to the climote user Website

   Navigate to
   https://climote.climote.ie/manager/register
   in any common browser

2. Complete user registration (see U2)

   1. The climote website test registers the user to the climote remote service. Registration can be carried out from the browser on any laptop, tablet or mobile device. However, once the user is registered, access to full functionality requires Adobe Flash to be supported by the device browser.
<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Start-up</td>
</tr>
<tr>
<td>2</td>
<td>Time</td>
</tr>
<tr>
<td>3</td>
<td>Poor Signal</td>
</tr>
<tr>
<td>4</td>
<td>Unable to register to Website</td>
</tr>
<tr>
<td>5</td>
<td>Thermostat Setting</td>
</tr>
</tbody>
</table>
climote HUB Installation Guide
Thermostat Options, including climote DEGREE Remote Thermostat

Preparation (T1)

1. Climote HUB
   1. Ensure climote HUB is fitted and installed in line with Installation Guide.

2. Climote DEGREE
   1. Open climote DEGREE.
   2. Select desired location and affix climote DEGREE back-plate to wall (see Location (T3)).
   3. Note serial number (last 6 digits).
   4. Remove Battery Tab
1. Navigate to Zone Setup
Using the Menu/Back button and Scroll Wheel, select:
1. Menu.
2. Settings.
3. Installer Settings.
5. Zone Setup.

2. Set up Zones and Thermostats
Select:
1. Active zones – On or Off (see Setup (T5))
   Turn scroll wheel to change, push to select, select “Next”.
2. Thermostat Settings (see Setup (T5))
   Turn scroll wheel to change, push to select “Next”.
3. Select Save – this communicates the settings to climote ONLINE.

Choose location (T3)

Location
1. Approx 1.5 metres above floor height.
2. Ensure free air flow through housing.
3. Mount away from:
   a. Draughts.
   b. Direct sunlight.
   c. Heat sources, eg Radiators, chimneys etc.
Pair climote DEGREE (T4)

1. Enable Pairing Mode
   From the Commission Device menu, select:
   1. Add/Edit Wireless devices.
   2. From the Add/Edit Wireless Devices menu, choose which Zone to add device to.
   3. Select “Search”.
   4. Press Scroll Wheel to enter Search Mode.

2. Pair climote Degree (see Setup (T5))
   1. On climote DEGREE press the Reset button, pairing will commence automatically.
   2. Return to the climote HUB and observe progress / confirm completion.
   3. Pair additional zones as required.
   4. Finally, select “OK” using Scroll Wheel.
   5. Keep pressing “Exit” until you reach the climote Dashboard. Zones will display “- - °C” until temperature readings are received (1 – 2 minutes).

Thermostat Setup and Diagnostics (T5)

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Zone set up</td>
<td>One, two or three zones may be set to “On”. Match the existing zone configuration.</td>
</tr>
</tbody>
</table>
| 2 Thermostat Settings | - Options are “Off”, “Rem” or “Int” (Zone 1 only) or “Cyl” (Zone 3 only).
   - The climote HUB has an internal thermostat which may only be configured for Zone 1 (select “Int”).
   - Zones 1, 2 and 3 support a remote thermostat (select “Rem”).
   - Zone 3 supports a cylinder (hot water) thermostat (select “Cyl”).
   - Leave all zones with no thermostat set to “Off”. |
| 3 Pairing     | Thermostats may be paired automatically (see (T4)) or manually. For manual pairing, select “Edit” rather than “Search” and use the Scroll Wheel to match the climote DEGREE serial number that is being paired. Press “OK” when complete. |
| 4 Auto Pairing fails | If the auto pairing fails:
   1. Check the climote DEGREE has power and is functioning. Press the Reset button and observe the LED. 2 or 3 flashes show batteries are OK.
   2. Repeat the auto pairing process in (T4). Check whether the climote HUB is receiving data from the climote DEGREE. If in doubt, try manual pairing.
   3. Check signal level is greater than 10%. If not, look for an alternative location for climote DEGREE.
   4. If problems persist, contact climote. |
climote HUB Installation
Customer Training

Basic customer training should be carried out at installation. This guide highlights the fundamental user training elements. Additional video instructions are available at www.climote.com

Unit & Text Demonstration (U1)

1. Explain the basic unit features
   1. Zones and Dashboard
   2. Boost and Menu/Back Buttons
   3. Scroll wheel

2. Boost Demonstration
   1. Explain Boost
   2. Do example Boost Living
   3. Disable Boost
Customer Registration (U2)

1. Ask the customer to navigate to www.climote.ie
2. Select : Control my climote
3. From the climote log-in page choose the option to “please register here”

User Text Demonstration (U3)

1. Note Direct Text Number
   1. Note the phone number on the SIM (Beginning 447..).
   2. Ask the customer to save this as they will use it to log on to their web and app accounts (log on uses 07.... format).
   3. Note the local SMS gateway number advised at registration.
   4. Ask the customer to save the SMS Gateway number in their mobile.

2. Text Demonstration (Boost)
   1. Get customer to add SMS Gateway Number to contacts
   2. Show Customer Useful Text Functions card
   3. Ask customer to repeat the SMS Boost from installation test, using the SMS Gateway number.
Website Demonstration (U3)

1. After registration, the website displays the climote dashboard
2. Ask the customer to log out and log in again to confirm credentials

App Demonstration (U4)

1. Customers can download the climote app from the appropriate app store at any time.
2. After registration, ask the customer to log into the app with their credentials
# Safety Information

## Safety Information – climote HUB

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Supply</strong></td>
<td>230V AC +/- 10%, 50Hz</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>0.7W / 6mA to 5W / 40mA</td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>Climote HUB (TEK648 / TEK648A / TEK648B)</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>0 to 40 degrees C</td>
</tr>
<tr>
<td><strong>Zone 1 Relay out</strong></td>
<td>5(2)A</td>
</tr>
<tr>
<td><strong>Zone 2 Relay out</strong></td>
<td>5(2)A</td>
</tr>
<tr>
<td><strong>Zone 3 Relay out</strong></td>
<td>5(2)A</td>
</tr>
<tr>
<td><strong>Unit conforms to</strong></td>
<td>EN 60730-1:2000 &amp; EN 60730-2-7</td>
</tr>
<tr>
<td><strong>Electric Shock Protection</strong></td>
<td>Class II. The climote HUB is completely protected by its enclosure</td>
</tr>
<tr>
<td><strong>Installation</strong></td>
<td>The unit must be installed by a qualified electrician</td>
</tr>
</tbody>
</table>

## Safety Information – climote DEGREE

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Supply</strong></td>
<td>3V DC (2AA Batteries supplied)</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>0.01W / 3mA</td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>Climote DEGREE (TEK676)</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>0 to 40 degrees C</td>
</tr>
<tr>
<td><strong>Unit conforms to</strong></td>
<td>EN 60730-1:2000 &amp; EN 60730-2-7 (when used with climote HUB)</td>
</tr>
</tbody>
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