169MHz Telecare Devices

Mains Usage Monitor



- Compatible with Reach Plus GSM & Reach Ultra at-home alarms and Advent xt warden call systems
- Operating voltage: 240V 50Hz AC
- Maximum load: 13A/3000W
- Minimum load detected: 250W
- Fits standard 13A UK mains socket
- Low battery warning
- Dimensions: 95mm x 50mm x 41mm (HxWxD)
- Weight: 101 grams
- Product Code: ZXT471

What can the Mains Usage Monitor be used for?

The mains usage monitor can be used to detect when an electrical appliance such as a kettle or microwave oven is being used. When the appliance is turned on a signal is transmitted and logged on Tynetec's iCare website via a Reach Plus GSM, Reach Ultra or an Advent xt warden call system[†]. The data can be analysed to identify changes in a resident's daily routine.

[†]Note: the Advent xt must have an additional Ethernet Interface Kit fitted.

Important Safety Instructions

Do not expose a mains usage monitor to rain or moisture
Do not overload a mains usage monitor – maximum load 3000W/13A resistive
Do not attempt to service a mains usage monitor
Avoid plugging the mains usage monitor in direct sunlight or close to a heater

Fitting the Mains Usage Monitor

Unplug the appliance you wish to monitor from its existing socket
Plug the mains usage monitor into the wall socket
Plug the appliance into the mains usage monitor
Switch the wall socket on
Switch the appliance on and check it operates



Trouble Shooting

If the appliance fails to operate check the following;
Is the mains usage monitor/appliance correctly plugged-in?
Is mains wall socket switched ON?
Is the appliance itself switched ON?

Registering the Mains Usage Monitor

The mains usage monitor must be registered onto the Reach Plus GSM or Reach Ultra at-home alarm unit, or the Advent xt warden call system. See pages 2 & 3 for how to put each of these products into "Learn Mode".

The range of all radio devices can be affected by the working environment - always take care during installation and perform several test calls.

Battery Life

The transmitter battery inside the mains usage monitor is checked once a day, if the voltage falls and stays below a preset level for 7 consecutive days a low battery alert is logged. The mains usage monitor should be replaced within 7 days of receiving the alert. Mains usage monitors must be returned to Tynetec/Aidcall for battery replacement.
Detailed information on battery management for all Tynetec/Aidcall products is available - request Doc No. FM0630.

Declaration of Conformity

UKCA We declare this product complies with the relevant UK legislation on condition that it is used in the manner intended, and in accordance with the current installation standards and/or the manufacturer's recommendations. A copy of the full UKCA Declaration of Conformity is available on request.

CE We declare this product complies with the relevant European legislation on condition that it is used in the manner intended, and in accordance with the current installation standards and/or the manufacturer's recommendations. A copy of the full CE Declaration of Conformity is available on request.

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Registering a Mains Usage Monitor onto a **Reach Plus GSM** *or* **Reach Ultra** *at-home alarm unit*

1. Put the Reach unit into programming mode…



Undo the screw and remove the stand to access the rear keypad on the Reach unit.

Enter ✱ **1 6 7 0** on the keypad, the unit will announce "***Program Mode - Ready***" and the front light will be **FLASHING FAST GREEN**.

Enter **# 0 5 0** on the keypad – the unit will announce "***Learn Radio Device and Enter Location Code***"

You now have 1 minute to activate the mains usage monitor.

2. Activate the mains usage monitor…



Switch on the appliance that's plugged into the mains usage monitor and the Reach will announce "***Electrically Monitored Appliance - Enter Location Code***".

Enter a 2 digit location code; **99** kettle, **98** microwave, **97** cooker/hob or **96** heater.

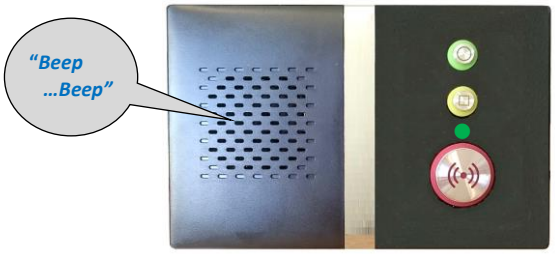
The unit will announce "***Message Number***" – enter a recorded message number (01 to 16) or enter 00 if no message is required.

The unit will announce "***Acknowledge***" – enter 1 for Yes or 0 for No; if set as 1 (Yes) the **GREEN** ○ button can be pressed to silence the alarm message, if set as 0 (No) the message will repeat for 60 seconds.

The unit will announce "***Alarm***" – enter 1 for Yes or 0 for No; if set as 1 (Yes) then an emergency call will be initiated when the appliance is activated, if set as 0 (No) then the alarm message will repeat for 60 seconds only.

The unit will beep; press the **#** key to end.

3. Exit programming mode…



Press the ✱ key and the unit will sound a "***Double-Beep***".

The front light will return to **STEADY GREEN** and the Reach is back in normal operating mode.

4. Turn the monitored appliance on/off; Logon to Tynetec's iCare website and check the event has been recorded. *Note: the Reach Plus GSM and Reach Ultra upload data to the iCare website every 10 minutes.*

Deleting a Mains Usage Monitor from a **Reach Plus GSM** *or* **Reach Ultra** *at-home alarm unit*

Enter ✱ **1 6 7 0** using the keypad on the rear of the Reach unit – the front light will **FLASH FAST GREEN** and the unit will announce "***Program Mode - Ready***".
Enter **# 0 4 1** and the Reach will announce "***Delete Radio Device***" followed by a "***Beep***".
Enter the 8 digit mains usage monitor ID to be deleted; after the "***Beep***" press **#** to exit.
Press the ✱ key to exit Program Mode; the unit will sound a "***Double-Beep***" and the front light will return to **STEADY GREEN**.

**The 8 digit ID can be found on a label on the mains usage monitor – it will always start with 51xxxxxx*

Refer to the Reach Plus GSM and Reach Ultra instruction booklets provided with these products for more information on programming and testing radio devices.

*Registering a Mains Usage Monitor onto an **Advent xt** warden call system*

1. Put the Advent xt system into radio device learn mode…



Using the Manager's DECT telephone;

Press the **LINE** key and wait for the "***Ready***" prompt.

Enter **5 0 0 0** followed by the ✱ key.

Enter the flat number the mains usage monitor is being installed in followed by the ✱ key.

You now have 1 minute to activate the mains usage monitor.

2. Activate the mains usage monitored…



Switch on the appliance that's plugged into the mains usage monitor.

Wait for the "***Enter Location Code***" prompt then press; **99** for kettle, **98** for microwave, **97** for cooker/hob or **96** for heater followed by the ✱ key.

Wait for the "***Pendant Enabled – Enter Flat***" prompt.

3. Exit the Advent xt system radio device learn mode…



Using the Manager's DECT telephone;

Press the **#** key and wait for the "***Ready***" prompt.

Press the **LINE** key to clear the connection and the warden call system is now back in normal operating mode.

4. Turn the monitored appliance on/off; Logon to Tynetec's iCare website and check the event has been recorded. *Note: the iCare website collects data at pre-set intervals (e.g. every 2 hours) on Advent xt.*

*Deleting a Mains Usage Monitor from an **Advent xt** warden call system*

Press the **LINE** key and wait for the "***Ready***" prompt.
Enter **5 0 0 1** followed by the ✱ key.
Enter the flat number the mains usage monitor is being deleted from followed by the ✱ key.
Activate the mains usage monitor to be deleted.
Wait for the "***Pendant Disabled – Enter Flat***" prompt.
Press the **#** key and wait for the "***Ready***" prompt, then press the **LINE** key to clear the connection.

Refer to the Advent xt operator's manual (Doc No. FM0420) provided with the warden call system for more information on programming and testing radio devices.

Tynetec and Aidcall operate a policy of continuous improvement and reserve the right to change product specifications without notice.
If any variation to the details contained in this document are suspected please contact Tynetec's customer support dept on 01670 352371.