Universal Transmitter 869MHz

Trusted Technology
Caring for People



- Fixed trigger device
- Compatible with Reach IP, Advent XT2, Carer Response and Touchsafe Pro V4.01 onward
- Normally open or normally closed trigger input
- Settings for all AALRP protocol device types
- 5 Year Lithium battery (typical)
- Low battery warning
- User replaceable ½ AA 3.6V 1200mAh battery
- Operating Temperature: +5°C to +40°C
- Telecare Transceiver: 869.2125MHz Class 1.5
- Digital Heartbeat
- Weight: 126 grams
- Dimensions: 130mm x 65mm x 25mm (HxWxD)
- Product Code: ZXT865

The universal transmitter can be connected to a third-party device to initiate an alarm call on an Advent XT2 assisted living system, a Reach IP at-home alarm unit or a Carer Response local Carer alarm unit.

IMPORTANT: the device the transmitter is connected to must have a momentary action, normally open or normally closed, clean contact relay output.

The universal transmitter can be setup with the most relevant AALRP radio code for the type of device it is being connected to.

Positioning

The universal transmitter must be fitted indoors, normally within 0.5 metres of the device being monitored.
Select a position away from metal as this may shield the radio signal and reduce its range.
Note: the trigger input cable provided can be replaced or extended if it is not practical to mount the transmitter within 0.5 metres of the device being monitored.

Alarm Condition

When the third-party device is activated an alarm call will be transmitted. A new alarm will not be triggered until the device has reset and is activated again.

Low Battery Condition

A low battery condition will be reported automatically to the Alarm Receiving Centre (ARC) or the local Manager. The universal transmitter battery should be replaced as soon as possible within 30 days.

Out of Range Notification (Reach IP)

The Reach IP can monitor all radio peripheral devices to determine whether they have been damaged or removed from an installation. Should the Reach IP be unable to detect a device's heartbeat it will automatically generate a "radio out of range" notification. Firstly, investigate if there's a genuine reason for the alert, if not, arrange for the peripheral device to be replaced immediately.
The "Radio out of range timer" can be set from 30 hours to 99999 hours in Pulse CMP. "Radio supervision" can be disabled by unchecking the tick box associated with each peripheral device in Pulse CMP.

Maintenance

Test the universal transmitter once every month.

Disposal



Waste electrical products should not be disposed of with normal household waste. The universal transmitter is ideally suited for disposal within the waste electronic and electrical equipment (WEEE) recycling scheme. Please recycle where facilities exist. Check with your local authority or contact your supplier for recycling/disposal advice.

Warning

The universal transmitter contains a Lithium battery.
If tampered with the battery may be damaged and create a fire hazard. Do not incinerate.

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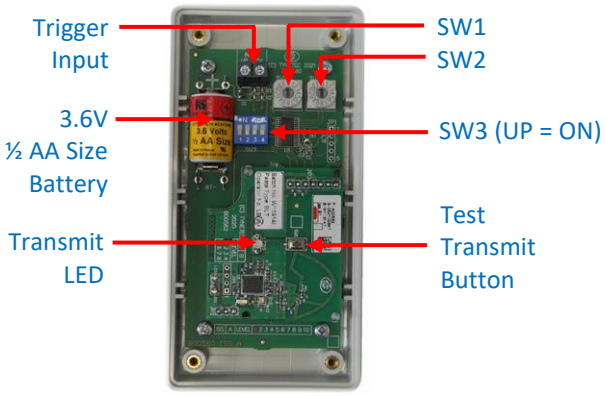
DIGITALLY ENABLED

How to install the Universal Transmitter

The universal transmitter is designed for internal use only, it is not suitable for external applications.

Establish that the device you are connecting the transmitter to has a momentary action, normally open (or normally closed), clean contact relay output. Failure to check this may result in damage to the transmitter.

Where possible, the transmitter should be mounted alongside the device it is being connected to so the 0.5m factory fitted cable can be used. Connect the trigger input cable to the device output – polarity is not important.



Setting the Device Type (SW1 & SW2)

Undo the 4 fixing screws and remove the cover. Refer to the table below and set the device type using SW1 and SW2 rotary switches.

SW1	SW2	Device Type
0	1	Personal Trigger
0	3	Pullcord
0	4	Fall Trigger
0	6	Personal Attack
0	8	Panic Button
0	9	PIR Detector
0	A	Pill Dispenser
0	B	Enuresis Sensor
0	C	Bed Occupancy
0	D	Chair Occupancy
0	F	Epilepsy
1	0	Wandering
1	2	High Temperature
1	3	Low Temperature
1	4	Heat
1	5	Smoke
1	6	Natural Gas
1	7	Carbon Monoxide
1	8	Flood
1	9	Door Contact

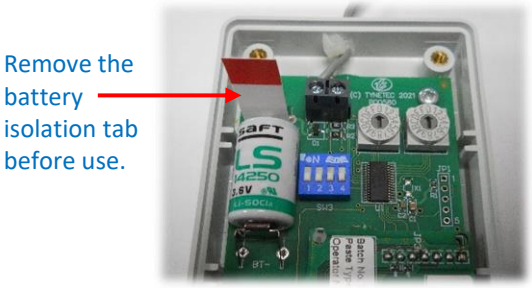
Setting the Input Type (SW3)

Switch 3 selects a normally open or normally closed input. Switches 1, 2 and 4 have no function.

DIL Switch		Function
1	OFF	Not Used
	ON	Not Used
2	OFF	Not Used
	ON	Not Used
3	OFF	Select Normally Closed Input
	ON	Select Normally Open Input
4	OFF	Not Used
	ON	Not Used

Connecting the Battery

The battery is isolated during storage and transit. Remove the white/red plastic tab to connect the battery before use.



Transmit LED

The Transmit LED will illuminate red when an alarm call is transmitted, when the alarm is acknowledged by the telecare system it will illuminate green.

Test Transmit Button

The Test Transmit button can be pressed at any time to trigger an alarm call transmission.

Test Call

Activate the device and check the correct alarm type is reported. Re-fit the cover and fix the transmitter using the self-adhesive pad provided.

Telecare Radio ID

The transmitter communicates with the Reach IP, Advent XT2 or Carer Response.

The Radio ID is a 10-digit code printed on the transmitter label…



Battery Replacement

Observe the polarity marked on the PCB when replacing the battery - fit with **+** to the top.
Only fit ½ AA Size 3.6V 1200mAh Lithium Thionyl Chloride battery - Tynetec Part No. F00171.

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Registering the Transmitter onto a Reach IP

Login to Pulse CMP (www.tynetecpulse.com) and enter the Reach IP Serial No. in the **ALARM UNIT** view. Press the **Accessories** button and enter the Radio ID code, Location and Equipment type. Press **Save** then ↻ **Synchronize**.
IMPORTANT: when the transmitter is installed a test call must be made to check operation and start the digital heartbeat.

Alternatively, with the Reach IP in normal operating mode undo the fixing screw and remove the stand or connector cover to access the ● Power button.

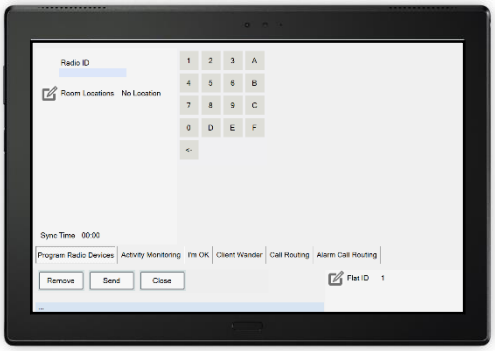
● Power Button



Press the ● Power button to enter Control Mode, then press and hold the □ button until the unit announces "*add radio device*" then release.
Press the ● button to confirm then activate a test call from the universal transmitter.
The Reach IP unit will sound a high beep if it's a new device and announce "*range test mode*".
Press ● to confirm, or press □ to step to the next function, or press ○ to exit the mode.
Activate the transmitter again to check operation.

Registering the Transmitter onto an Advent XT2

Press the **Settings** button on the Home page of the Manager's Panel. Press the Manager (or Engineer) button, enter the password and press the **Programming** button.
Select the **Program Radio Devices** option from the tabs along the bottom of the screen.



Press **Flat ID** and enter the flat number the transmitter is being installed in. Enter 4-digits e.g. 0014.
Press **Radio ID** and enter the 10-digit code taken from the label on the back of the transmitter.
Press **Room Locations** and select where the transmitter is located from the on-screen options e.g. Lounge.
Press the **Send** button to update the XT2 system.
Activate the transmitter to check operation.

Registering the Transmitter onto a Carer Response

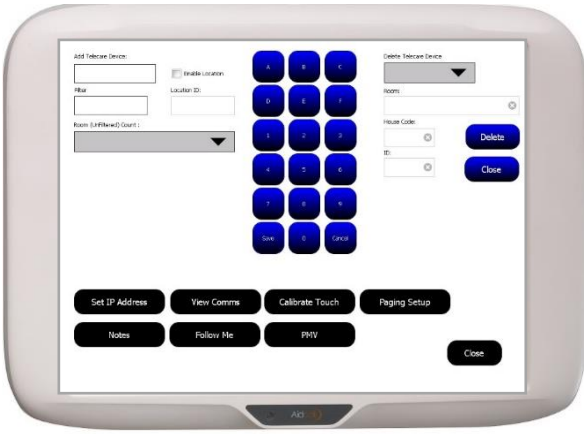
Refer to the Carer Response user manual for full details of the button functions and how to navigate the menus.



From the Main menu select **Programming**.
From the Programming menu select **Add transmitter**.
The display will prompt you to ***Activate the transmitter…***
Activate the transmitter.
The Carer Response will beep and the display will change to the **Add transmitter** menu with a box showing **No ID**.
Press ↵ then ▼ to select **Room**, then press ↵
Press ▼ to select the room number box **0000**.
Press ↵ to select the first digit, press ↵ to move between the digits and press ▲ or ▼ to change each digit.
Press ↵ when the correct room number is displayed.
Press ▼ to select the alarm type box **None**.
Press ↵ then ▼ to select the **Alarm type** then press ↵
Press the ▼ button to select **Save** then press ↵
The display will show ***Radio ID saved to memory…***
Return back to the **Main menu** and select **Quit**.
Activate the transmitter again to check operation.

Registering the Transmitter onto a Touchsafe Pro

Login to the Master Touchsafe Pro Nursecall Panel (must be V4.01 onward) using Engineer or Manager password. From the Main Menu page select the **Telecare** option to open the screen shown below.



Touch the **Add Telecare Device** box and enter the Telecare device 10-digit Radio ID using the on-screen keypad.
Touch the **Filter** box and enter the zone you want to add the Telecare device to using the on-screen keypad.
Touch the **Room** box ▼ and select the Callpoint ID from the list that will be used to cancel the Telecare alarm.
Touch the **Save** button on the keypad.
Touch the **Close** button to exit.
Activate the transmitter to check operation.

Declaration of Conformity

UK CA 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.

Chris Dodd
CEO
Legrand Assisted Living & Healthcare