

## External Switch or Sensor

For clients with specific requirements, the *Universal Transmitter* features a 3.5mm mono socket to connect in a range of specialised switches and sensors that are sold through switch distributors.

An external switch or sensor can be used in addition to, or instead of, the *Universal Transmitter's* top sensor. For additional safety, the *Universal Transmitter* will also activate if the external switch is removed.

Chiptech has identified a number of switch and sensor distributors with products suitable to work with the *Universal Transmitter*, which include:

Spectronics New Zealand [www.spectronics.co.nz](http://www.spectronics.co.nz)  
Zabonne [www.zabonne.co.nz](http://www.zabonne.co.nz)  
Technology Solutions Australia [www.tecsol.com.au](http://www.tecsol.com.au)

**It is best to first contact the individual's Occupational Therapist (OT) to have their needs accessed, and they can contact one of the switch distributors for samples and fitting.**



Jelly Bean Switch

Leaf Switch

Pillow Switch

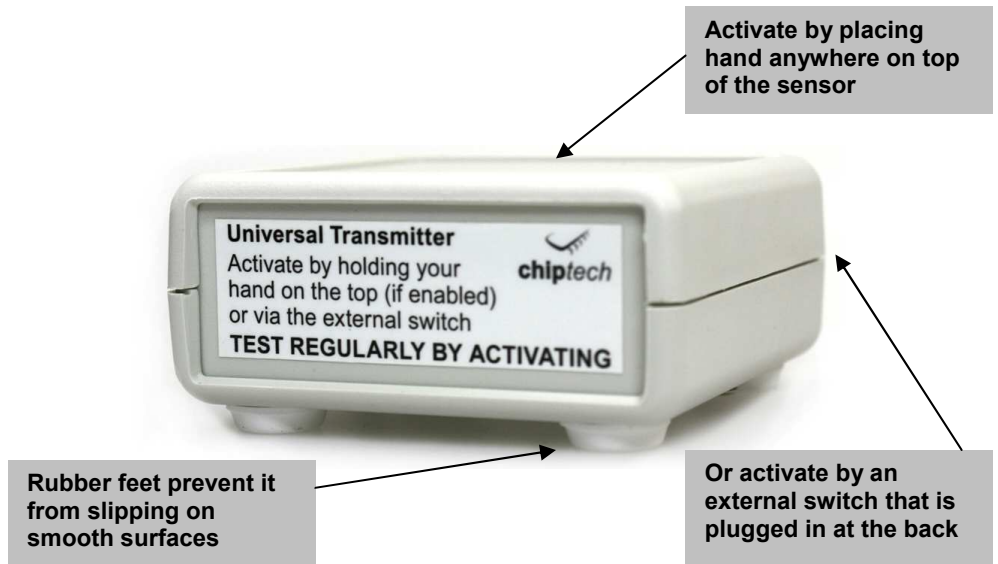
### Important Note

As with all transmitters, they will only activate an emergency alarm when they are in range of the Chiptech medical alarm. Thorough range testing should be conducted at the time of installation.



Chiptech Limited  
11a Settlers Crescent, Ferrymead 8023  
PO Box 41088, Christchurch 8247, New Zealand  
P +64 3 384 7788 W [www.chiptech.co.nz](http://www.chiptech.co.nz)  
F +64 3 384 7789 E [info@chiptech.co.nz](mailto:info@chiptech.co.nz)

## Universal Transmitter Guide



Please read and follow these instructions to ensure the *Universal Transmitter* functions correctly.

This transmitter is used by people with special requirements or disabilities who cannot activate a Standard Transmitter. It works with all Chiptech medical alarms to send an emergency alert by placing a hand on top of the sensor. Alternatively, an external switch that plugs into the *Universal Transmitter* can activate it. This provides a range of options so the best solution can be found for people with disabilities.

## Universal Transmitter

This transmitter works with all Chiptech medical alarms to send an emergency alert.

When activated the *Universal Transmitter* has a **delay period**, it will then sound a buzzer for a **warning period**. When it is activated for longer than the warning period it will transmit an emergency signal to a Chiptech medical alarm. The delay and warning periods are useful for customising the transmitter to reduce the number of false activations which can be caused by the easily activated sensor. The preset periods are adjustable for customer requirements. Please refer to the **Universal Transmitter Specifications** for more information on making setting changes.

**Standard Settings: delay 0.5 seconds, warning buzzer 3 seconds.**

(This means the customer needs to activate the transmitter and hold it to the count of four to send an emergency alarm)

**Delay period settings can be: 0.5, 3, 10 or 30 seconds**

**Warning period settings can be: OFF, 3, 10 or 30 seconds**

The *Universal Transmitter* features self testing, low battery testing and reporting, and transmitter tracking to let you know if the transmitter has not communicated with a medical alarm for five days. The *Universal Transmitter* operates on a small 3V lithium battery with a typical life of 3-6 years.

## Mounting the Universal Transmitter

The *Universal Transmitter* has rubber feet attached to prevent it sliding on smooth surfaces such as tables. The transmitter also comes with adhesive Velcro for attaching to surfaces, such as an arm of a wheelchair. Choose a suitable position for the transmitter and attach the sticky side of the Velcro strip to the cleaned and dry surface. Attach the other Velcro strip to the underside of the *Universal Transmitter*, between the feet. To secure the *Universal Transmitter*, join the two pieces of Velcro together.

## Learning in the Universal Transmitter

Please follow the standard medical alarm installation procedure when installing the base unit.

When you reach the stage of learning in transmitters you will need to press all the transmitters you wish to use with the medical alarm.

- If you are using the top sensor of the *Universal Transmitter* place your hand on the transmitter until the warning buzzer has finished and the medical alarm indicates that the transmitter has been learnt in.
- If you are using an external switch with the *Universal Transmitter* please activate this until the warning buzzer has finished and the medical alarm indicates that the transmitter has been learnt in.
- If you are using BOTH the sensor and the external switch you can choose either method, you only need to learn in the transmitter once.
- Put the medical alarm in the Range Testing Mode and range test the transmitter as normal.
- When range testing is completed send an emergency signal from the *Universal Transmitter* to test the whole system is working correctly.

## Emergency Alarm Activation

When the monitoring station receives an emergency alarm they should contact the customer immediately. If there is no response over the phone line then the customer's contacts or an ambulance will be sent.