



FLASHING
COMPLETE CROSSING
DO NOT START
TO CROSS

STANDARD PUSH BUTTON

INFRARED SENSOR

MICROWAVE TOUCHLESS

MICROWAVE BRAILLE TACTILE

iTouch

Touchless Pedestrian Push Button Control

Pedestrians can now activate the push button controls at the signalised intersection with just a wave of their hand.

Safer Pedestrian Signalised Crossings

Aldridge iTouch, the latest technology in Touchless Pedestrian Push Button Control.

The standard push button control requires pedestrians to push the button at traffic signal intersections inform the traffic signals they are waiting to cross the road. With the iTouch physical touch is no longer necessary.



Sensor Activation between 3 – 12cm

KEY BENEFITS

Public Hygiene

Today more than ever before, improved hygiene measures are necessary. The risk of infection is greatly increased by human to surface contact. With the introduction of the iTouch, the spread of infection is substantially reduced. iTouch is a hygienic alternative to standard pedestrian push buttons, which protects the public against potential contamination and virus spread.

Reduces Traffic Congestion

The iTouch ensures that traffic flow can continue to operate adaptively. Unnecessary stopping cycles are decreased by stopping vehicles only when a pedestrian uses the iTouch. This reduces traffic congestion, driver frustration and improves pedestrian safety.

Touchless System

The iTouch features an Infrared or Microwave Proximity Sensor so that pedestrians can request a crossing phase with just a wave of their hand in front of the illuminated sensor. iTouch retains the functionality of the traditional push button, including the audio tactile features for the hearing or vision impaired and call record for if required.

Safer Crossing Behaviour

Allowing pedestrians to control when crossing at traffic intersections, reduces waiting times, frustration and encourages safer pedestrian behaviour.

iTouch Infrared Sensor + Call Record



iTouch Infrared with Call Record.

The Infrared Sensor is operated by a hand wave. Audio and Tactile functionality is retained for the hearing and vision impaired.

iTouch Infrared Sensor Only



iTouch Infrared.

The Infrared Sensor is operated by a hand wave. Audio and Tactile functionality is retained for the hearing and vision impaired.

iTouch Microwave Sensor



iTouch Microwave.

The Microwave Sensor resides behind the button fascia which replaces the button. Audio and Tactile functionality is retained for the hearing and vision impaired.

iTouch Braille Tactile Microwave Sensor



iTouch Microwave with Braille Tactile.

The central fascia panel features braille text. The Microwave Sensor resides behind the fascia. Audio and Tactile functionality is retained for the hearing and vision impaired.

iTouch TECHNICAL DESCRIPTION

Audio Tactile Pedestrian Detector Push Button Assembly

The audio tactile detector and push-button assembly, is available with following options:

- Standard Push Button Control
- iTouch Infrared with Touchless Sensor
- iTouch Infrared Sensor Plus with Call Record
- iTouch Microwave Sensor
- iTouch Microwave Sensor with Braille Tactile

The audio tactile is partnered with the pedestrian push-button assembly, the touchless sensor and call record if required. All pedestrians, including those with vision or hearing impairments, are catered for with the iTouch pedestrian detection and indication system.

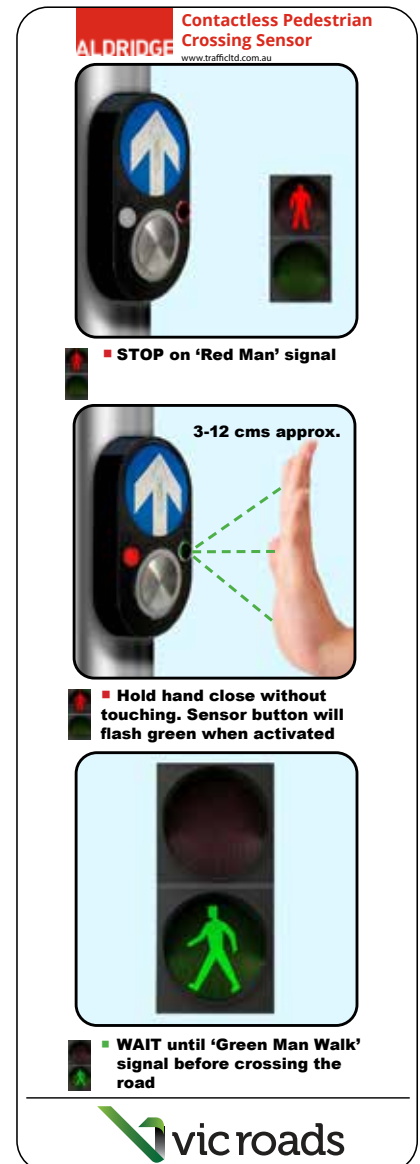
Audio Tactile Touchless Pedestrian Detector

The system comprises two units; a post mounted weatherproof, diecast aluminium case, which accommodates the electronic control circuitry, power supply and ambient noise monitor microphone and the audio tactile push-button assembly. The push-button assembly holds the tactile transducer fitted to the front escutcheon plate, which also houses the audio signal transmitter.

This assembly includes the touchless sensor that is activated when an hand or object is held within 3 – 12cm proximity. The sensor light changes from red to green to show successful activation. The mechanical button and Audio Tactile Transducer are retained for the hearing and vision impaired. A combined visual/tactile arrow is positioned on the front of the case to indicate the direction of the associated crossing.

User Instruction Sticker Available

Aldridge offer a self-adhesive sticker for the mounting pole. This features crossing instructions in multiple language translations, to suit your particular requirements. Your road authority logo can be printed on the sticker as shown.



Pole Instruction Sticker –
available in multiple languages

INFRARED/MICROWAVE COMPARISON

FEATURES	iTouch Infrared	iTouch Microwave
False detection protection	Susceptible to physical barriers (such as a sticker) causing constant detection	Unaffected by barriers such as a sticker
Adjustable proximity	Yes, from 3cm to 12cm	No, if rain tolerant mode enabled (If rain tolerant mode not enabled, then yes, from 5cm to 15cm)
Walk activation feature	No	Yes, when walking man displayed, pushbutton is disabled.
Push button	Physical push button available in addition to IR sensor	Microwave sensor replaces push button
Feedback upon detection	Red light on stand man Green light on Walkman	Red light and audio tone
Coverage Performance difference	Infrared sensor has slotted detection zone – lesser coverage compares to microwave	Microwave sensor has continuous field of detection zone - higher coverage range than Infrared sensor

TECHNICAL	iTouch Infrared	iTouch Microwave
Sensing method	Infrared (reflected light)	Radar (reflected microwave)
Components	Infrared pushbutton Optional pole top LV to ELV power supply	Microwave pushbutton 240Vac to 24Vdc power supply
Voltage supply	AC 42V	AC 240V
Power Supply	See options	External 240Vac to 24Vdc Pole mount power supply with walk activation feature
Options	<ul style="list-style-type: none"> Σ Powered from site 42V Σ Powered from spare controller 32V AC Σ External pole top 240 to 42V power supply 	Braille Tactile

The iTouch Sensor has been successfully tested to a 10,000,000 activation rate.

PRODUCT CODES

iTouch Infrared		
State/Territory	Description	Part Number
SA	Audio Tactile Push Button Touchless Sensor	CW254T
QLD - BCC/WA	Audio Tactile Push Button with Call Record Touchless Sensor	CW255T
NSW/NZ/TAS/ ACT/NT	Audio Tactile Push Button Touchless Sensor	CW257T
VIC	Audio Tactile Push Button with Call Record Touchless Sensor	CW260T
QLD - TMR	Audio Tactile Push Button Touchless Sensor	CW270T
iTouch Microwave		
State/Territory	Description	Part Number
ALL	Audio Tactile Push Button Touchless Sensor Microwave RMS	CW257TM
ALL	Audio Tactile Push Button Sensor Microwave/Braille SG	CW257TM-SG





Safe roads remain our priority



TRAFFIC
TECHNOLOGIES