

ALDRIDGE

iTouch Range

Infrared and Microwave Pedestrian Call



Wave goodbye to old technology



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 to 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.

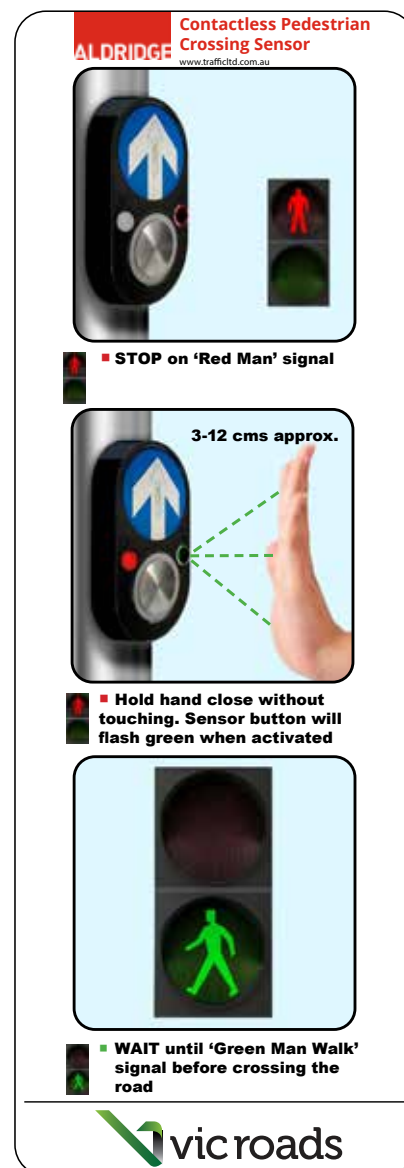
Audio Tactile Touchless Pedestrian Detector

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

ITOUCH 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.

Aldridge Traffic Systems

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ITOUCH 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

iTouch+

Touchless Pedestrian Time Extender



One-Tap Safer Pedestrian Crossing for Disabled and Senior Citizens

Introducing iTouch+ Pedestrian Time Extender the latest in One-Tap technology.

Disabled and Senior Pedestrians can now activate an extended 'time to cross' at the signalised intersection with just a tap of their concession card.

DESCRIPTION

Seniors and those with a disability often require modification to the time limits allowed at pedestrian crossings and busy intersections, the conventional push button system may not give adequate time for safe crossing, especially for those who are less reactive and slower in crossing, which may give way to anxiety and panic.

The **iTouch+**, allows senior and disability cardholders to tap their concession card onto the sensor, mounted above the conventional push button controller. The tap region is clearly indicated and is easily accessible.

One-tap of the concession card extends the green-man time from anywhere between 3 - 13 seconds depending on the size and location of the crossing.

This system has been tried and tested for many years and has been a great benefit to elderly and disabled pedestrians users.

KEY BENEFITS

Safer Crossing

Allowing immobile pedestrians extended pedestrian crossing times at traffic intersections, reduces panic, frustration and fear of traffic, which can be an altogether unpleasant experience and may also prevent a person from going out in public for fear of accidents.

Public Hygiene

People with impairment, elderly or disabled, need to be protected by improved hygiene measures. The risk of infection is greatly increased by human to surface contact. With the introduction of the one-tap for the elderly and disabled, the spread of infection is substantially reduced. **iTouch+** is a hygienic alternative to standard pedestrian push buttons, which protects the public from potentially contaminating their hands and can prevent virus spread.

Installation

iTouch+ is designed to fit snugly above an existing conventional push button control system or the new iTouch Touchless system. The curve of the **iTouch+** mirrors the shape of the conventional push button system.



FEATURES

- One-Tap Concession Card Reader
- Integrated Pedestrian Countdown (IPC)
- Information Panel
- LED Indicator
- Vibrating Audible Feature
- Extendible Green Man Time (between 3 - 13 seconds)
- Site Specific Extendible Green Man Time
- False Activation Card Prevention
- Positive Sound upon Compliant Activation
- Activation is Synchronised with Conventional Push Button Unit



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