

ALDRIDGE

iTouch & iTouch+

Contactless Pedestrian Push Button Control &
Contactless Pedestrian Time Extender



From the brand you know and trust for over 40 years

iTouch

Contactless Pedestrian Push Button Control

Wave Goodbye to Old Technology

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

Safer Pedestrian Signalised Crossings

Introducing **Aldridge iTouch** the latest technology in Contactless Pedestrian Push Button Control.

With traditional push button controls, pedestrians physically push the button at traffic signal intersections to inform the traffic signals they are waiting to cross the road. With Aldridge iTouch **no physical touch is necessary**.

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



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 new 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 of their hands 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.

Contactless System

The iTouch features an Infrared 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.

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.



Above Pole Instruction Sticker – available in multiple languages

iTouch Sensor + Call Record

**iTouch Contactless Sensor
with Call Record in Default State**



**iTouch Contactless Sensor
with Call Record in Activated State**



iTouch Sensor Only

**iTouch Contactless Sensor
In Default State**



**iTouch Contactless Sensor
In Activated State**



Product Coding

iTOUCH AUDIO TACTILE CONTACTLESS PUSH BUTTON PART NUMBERS		
State/Territory	Description	Part Number
NSW/NZ	Audio Tactile Push Button Contactless Sensor	CW257T
QLD - BCC	Audio Tactile Push Button with Call Record Contactless Sensor	CW260T
QLD - TMR	Audio Tactile Push Button Contactless Sensor	CW270T
SA	Audio Tactile Push Button Contactless Sensor	CW254T
WA	Audio Tactile Push Button Contactless Sensor	CW255T
ACT	Audio Tactile Push Button Contactless Sensor	CW257T
TAS	Audio Tactile Push Button with Contactless Sensor	CW257T
VIC	Audio Tactile Push Button with Call Record Contactless Sensor	CW260T
NT	Audio Tactile Push Button Contactless Sensor	CW257T

iTouch TECHNICAL DESCRIPTION

Audio Tactile Pedestrian Detector Push Button Assembly

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

- Audio and Tactile, Call Record, plus Contactless Sensor
- Audio Tactile with Contactless Sensor only

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

Audio Tactile Contactless 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 contactless 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.

FEATURES

- iTouch can be retrofitted to existing Push Button Units
- Provides both tactile and audio indication facilities
- iTouch Proximity Sensor – red in rest mode – green to acknowledge request activation
- iTouch Proximity Sensor activates within (3cm – 12cm) range
- Trigger state 0.5 – 30 secs
- Call Record version available
- Emits a continuous audio signal to aid push-button assembly location and identification
- Distinct audio and tactile signal for positive walk (cross) indication
- Audible signal level controls, automatically adjust for ambient noise
- Time lapse sensing electronics ensure smooth automatic level control
- Only responds to consistent increases in ambient noise, ignoring isolated transient fluctuations
- Maximum level audio tone adjustment
- Reliable proven audio and tactile adjustment
- Reliable proven audio and tactile transducer
- Sensitive ambient noise monitoring
- Factory adjustable zero set, change tone, tactile, walk tone and don't walk tone levels
- Operationally proven design
- Utilisation of standard push button assemblies, universal pedestrian acceptance and to facilitate maintenance support
- Solid state circuitry, proven transducer and means of signal interlocking, ensure ultimate safety and reliability



iTouch+

Contactless 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 Contactless 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 Synchronsied with Conventional Push Button Unit



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iTouch v2

Microwave Touchless

Pedestrian Push Button Control



From the brand you know and trust for over 40 years

iTouch V2

Audio Tactile Touchless Push Button with call record
& Microwave Sensor RMS

Wave Goodbye to Old Technology

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

Safer Pedestrian Signalised Crossings

Introducing Aldridge iTouch V2 with the latest microwave technology Touchless Pedestrian Push Button Control.

With traditional push button controls, pedestrians physically push the button at traffic signal intersections to inform the traffic signals they are waiting to cross the road. With Aldridge iTouch V2 **no physical touch is necessary.**



Sensor Activation between 5 – 15cm

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 new 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 of their hands 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.

Contactless System

The iTouch features an microwave Sensor so that pedestrians can request a crossing phase with just a wave of their hand in front sensor.

Safer Crossing Behaviour

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

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.

iTouch V2 Sensor

iTouch TECHNICAL DESCRIPTION

Audio Tactile Contactless Pedestrian Detector

The system comprises two units; a post mounted weatherproof, diecast aluminium case, which accommodates the electronic control circuitry and power supply. This assembly includes the microwave sensor that is activated when an hand or object is held within 5 – 15cm proximity. The sensor light changes to red to show successful activation. The visual arrow positioned on the front of the case can be supplied to indicate the direction of the crossing.

SPECIFICATIONS

- Voltage supply: 24V DC
- Must require external pole mount 24Vdc power supply to operate
- Push button is rated to IP45 as per required by AS2353 standard
- Adjustable proximity range (5cm – 15cm)
- Optional rain tolerant adjustable mode
- volume control feature
- Sensor LED detection (red when activated)
- The iTouch Sensor has been successfully tested to a 10,000,000 activation rate
- Trigger State (0.5 – 30 sec)
- Arrow disc can be supplied pointing in any direction
- Bicycle symbol also available
- No programming changes required to site controller
- No audio upgrades required
- Buttons can easily be installed onsite with wiring changes only
- No additional cables required if Call Record is already installed in poles

iTouch Contactless Sensor In Default State



Sensor
Default State

iTouch Contactless Sensor In Activated State



Red Sensor
when Activated

FEATURES	iTouch V2 Microwave
False detection protection	Unaffected by barriers such as a sticker
Adjustable proximity	No if rain tolerant mode enabled (If rain tolerant mode not enabled then yes, from 5cm to 15cm)
Walk activation feature	Yes. When walking man displayed, pushbutton is disabled.
Push button	Not available, microwave sensor replaces button
Call Record	No
Feedback upon detection	Red light and audio tone
Coverage Performance difference	Microwave sensor has continuous field of detection zone - higher coverage range than Infrared sensor
TECHNICAL	iTouch V2 Microwave
Sensing method	Radar (reflected microwave)
Components	Microwave pushbutton 240Vac to 24Vdc power supply
Voltage supply	AC 240V
Power Supply	External 240Vac to 24Vdc Pole mount power supply with walk activation feature
Options	One option

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iTouch V1 and V2 Comparison



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V1 and V2 iTouch Comparison



FEATURES	iTouch V1 Infrared	iTouch V2 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	Not available, microwave sensor replaces 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 V1 Infrared	iTouch V2 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 	One option

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