

## ITOUCH INFRARED/MICROWAVE COMPARISON

FEATURES	iTouch Infrared	iTouch Microwave
<b>False detection protection</b>	Susceptible to physical barriers (such as a sticker) causing constant detection	Unaffected by barriers such as a sticker
<b>Adjustable proximity</b>	Yes, from 3cm to 12cm	No, if rain tolerant mode enabled (If rain tolerant mode not enabled, then yes, from 5cm to 15cm)
<b>Walk activation feature</b>	No	Yes, when walking man displayed, pushbutton is disabled.
<b>Push button</b>	Physical push button available in addition to IR sensor	Microwave sensor replaces push button
<b>Feedback upon detection</b>	Red light on stand man Green light on Walkman	Red light and audio tone
<b>Coverage Performance difference</b>	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
<b>Sensing method</b>	Infrared (reflected light)	Radar (reflected microwave)
<b>Components</b>	Infrared pushbutton Optional pole top LV to ELV power supply	Microwave pushbutton 240Vac to 24Vdc power supply
<b>Voltage supply</b>	AC 42V	AC 240V
<b>Power Supply</b>	See options	External 240Vac to 24Vdc Pole mount power supply with walk activation feature
<b>Options</b>	<ul style="list-style-type: none"> <li>Σ Powered from site 42V</li> <li>Σ Powered from spare controller 32V AC</li> <li>Σ External pole top 240 to 42V power supply</li> </ul>	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



# iTOUCH V2

# MICROWAVE

## PEDESTRIAN PUSH BUTTON

### SAFER PEDESTRIAN SIGNALISED CROSSINGS

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

Aldridge iTouch V2 the latest technology in Microwave Touchless Pedestrian Push Button Control.

With Aldridge iTouch V2 Microwave no physical touch is necessary. The iTouch V2 can be installed at different site locations with alternative wiring scenarios. No need for expensive changeover units and unnecessary labour.

### KEY BENEFITS

#### Public Hygiene

Today more than ever, 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.

### FEATURES

- Utilising the latest in LED technology for low power, high brightness, and long operational life.
- Voltage supply: 24V DC
- Must require external pole mount 24V DC 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 V2 MICROWAVE**

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**iTouch V2  
Contactless Sensor  
In Default State**



Sensor  
Default State

**iTouch V2  
Contactless Sensor  
In Activated State**



Red Sensor  
when Activated