ALDRIDGE

TRAFFIC SIGNALS & HARDWARE

MOVING SMART

ALDRIDGE TRAFFIC SYSTEMS IS A SUBSIDIARY OF TRAFFIC TECHNOLOGIES LTD. WITH OVER 40 YEARS EXPERIENCE WITHIN THE TRAFFIC INDUSTRY.

OUR STATE OF THE ART MANUFACTURING CENTRE IS SITUATED IN NSW, AND THE HEAD OFFICE IS BASED IN VICTORIA, AUSTRALIA. WITH CENTRES IN EVERY STATE AND TERRITORY WITHIN AUSTALIA, UK, AND OFFICES AROUND THE WORLD, ALDRIDGE IS WELL PLACED TO SERVICE THE TRAFFIC TECHNOLOGY MARKET.

Our substantial resources and efforts are totally committed to designing, manufacturing and supplying products and services to the traffic signaling industry.

Our distribution network includes offices throughout Australia and the United Kingdom. We have agents and distributors in Ireland, Denmark, France, Spain, Singapore, Malaysia, Thailand, Sri Lanka, India, New Zealand, USA, North America, South America, Canada and UAE.

Aldridge is quality endorsed to ISO 9001-2008, licence number QEC0128 . Our quality management system covers all the requirements of this standard and embodies our core processes of customer service, product development, manufacture and delivery, while a dedicated Quality department ensures the management, monitoring and improvement of the system.

Aldridge is represented on Australian Standard Committees, as well as other industry associations, and has received numerous awards in recognition of its contribution to the economic growth of NSW.

An experienced team of managers and engineers have exceptional knowledge of the traffic signal industry, along with a consistent research program Aldridge ensures that our products incorporate the latest technology and enables us to meet and exceed the expectations of our customers.

We continue with new product development and obtaining product approvals and through this activity we continue to broaden our product base.

LED VEHICLE LANTERNS 200mm

Complies with requirements of AS-2144
Electromagnetic Compatibility:
Complies with the requirements of AS/NZS4252.1, IEC61000-4-5, IEC1000-6

FEATURES

- Meets all requirements of AS-2144
- Available in Aluminium, Polycarbonate and Recyclable Go Green Enviro Housing
- High luminous output
- Operates in high temperatures
- Moisture resistance
- LED's driven at low current in order to avoid premature ageing
- Compatible with existing Traffic Controllers in relation to dimming and monitoring
- Long term reliability and operational life
- Low output degradation
- Low sun-phantom intensity
- No veiling reflection
- Coloured lens in compliance with colour requirement of CIE/AS-2144
- Meets the "Shut-down" requirement of CIE/AS-2144
- Can operate with solar power
- Durable thermoplastic components
- Exceptional structural strength
- Injection moulded or aluminium pressure diecast modular housing components

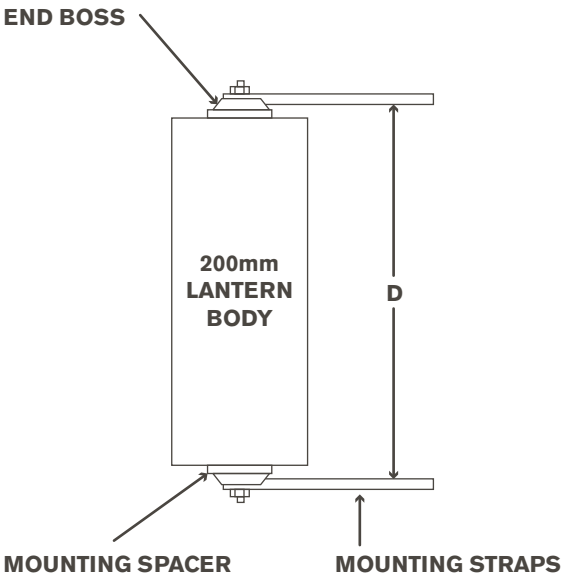
SPECIFICATIONS — VEHICLE

	RED ASPECT	YELLOW ASPECT	GREEN ASPECT
LUMINOUS OUTPUT	460cd	800cd	520cd
POWER CONSUMPTION (TRUE R.M.S)	5.4 watts	10 watts	5 watts
TYPICAL CHROMATICITY COORDINATES	X = 0.687 Y = 0.311	X = 0.540 Y = 0.438	X = 0.099 Y = 0.611

SPECIFICATIONS — ARROWS

	RED ASPECT	YELLOW ASPECT	GREEN ASPECT
LUMINOUS OUTPUT	8247cd/m^2	17216cd/m^2	7000cd/m^2
POWER CONSUMPTION (TRUE R.M.S)	6 watts	6 watts	5 watts
TYPICAL CHROMATICITY COORDINATES	X = 0.688 Y = 0.311	X = 0.568 Y = 0.434	X = 0.099 Y = 0.542

RED ASPECT	YELLOW ASPECT	GREEN ASPECT
X = 0.699	X = 0.572	X = 0.078
Y = 0.303 Pass	Y = 0.429 Pass	Y = 0.587 Pass



FEATURES

- U.V. stabilised components
- Adjustable lantern mounting centres
- Dual hinging doors
- Available with wide range of accessories
- IP35 protection
- Lanterns are available in 1, 2, 3 or 4 aspects
- Door locking clips available as an anti theft device

BENEFITS

- Substantial energy and cost saving
- Long reliable service life
- Low maintenance
- Uniform lens illumination
- LED lanterns can be made available to meet specification of American ITE, British Standard B5505, DIN 6163 and BSEN 12368:2006

LANTERN OPTIONS

Aldridge 200mm LED's Lanterns are normally available in one, two or three aspect sizes, but the modular design permits Aldridge to supply lanterns with four or more aspects to order.

Lanterns may be supplied with arrow (or special) display in any specified combination of aspects.

Customers may specify Aldridge lanterns fitted with target boards, visors, mounting straps and louvres etc. Special length interconnecting cable is also available on special order.

MOUNTING DIMENSIONS

BODY DIMENSION - 260mm width x 208.2mm depth

ASPECT	DIMENSION "D"
One Aspect	Min 295mm Standard 317mm
Two Aspect	Min 549mm Standard 577mm
Three Aspect	Min 802mm Standard 858mm
Four Aspect	Min 1056mm Standard 1112mm

Dimensions +/-2mm (Other dimensions in 7mm adjustments available)

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LED VEHICLE LANTERNS 300mm

Complies with requirements of AS-2144
Electromagnetic Compatibility:
Complies with the requirements of AS/NZS4252.1, IEC61000-4-5, IEC1000-6

FEATURES

- Meets all requirements of AS-2144
- Available in Aluminium, Polycarbonate and Recyclable Go Green Enviro Housing
- High luminous output
- Operates in high temperatures
- Moisture resistance
- LED's driven at low current in order to avoid premature ageing
- Compatible with existing Traffic Controllers in relation to dimming and monitoring
- Long term reliability and operational life
- Low output degradation
- Low sun-phantom intensity
- No veiling reflection
- Coloured lens in compliance with colour requirement of CIE/AS-2144
- Meets the "Shut-down" requirement of AS-2144
- Can operate with solar power
- Durable thermoplastic components
- Exceptional structural strength
- Injection moulded or aluminium pressure diecast modular housing components

SPECIFICATIONS — VEHICLE

	RED ASPECT	YELLOW ASPECT	GREEN ASPECT
LUMINOUS OUTPUT	850cd	1800cd	900cd
POWER CONSUMPTION (TRUE R.M.S)	29 watts	32 watts	30 watts
TYPICAL CHROMATICITY COORDINATES	X = 0.671 Y = 0.319	X = 0.562 Y = 0.431	X = 0.128 Y = 0.491

SPECIFICATIONS — ARROWS

	RED ASPECT	YELLOW ASPECT	GREEN ASPECT
LUMINOUS OUTPUT	9000cd/m^2	22000cd/m^2	8000cd/m^2
POWER CONSUMPTION (TRUE R.M.S)	11 watts	13 watts	14 watts
TYPICAL CHROMATICITY COORDINATES	X = 0.671 Y = 0.319	X = 0.562 Y = 0.431	X = 0.128 Y = 0.491

RED ASPECT	YELLOW ASPECT	GREEN ASPECT
X = 0.699	X = 0.572	X = 0.078
Y = 0.303	Y = 0.429	Y = 0.587

FEATURES

- U.V. stabilised components
- Adjustable lantern mounting centres
- Dual hinging doors
- Available with wide range of accessories
- IP35 protection
- Lanterns are available in 1,2,3 or 4 aspects
- Door locking clips available as an anti theft device

BENEFITS

- Substantial energy and cost saving
- Long reliable service life
- Low maintenance
- Uniform lens illumination
- LED lanterns can be made available to meet specification of American ITE, British Standard B5505 and DIN 6163

LANTERN OPTIONS

Aldridge 300mm LED's Lanterns are normally available in one, two or three aspect sizes, but the modular design permits Aldridge to supply lanterns with four or more aspects to order.

Lanterns may be supplied with arrow (or special) display in any specified combination of aspects.

Customers may specify Aldridge lanterns fitted with target boards, visors, mounting straps and louvres etc. Special length interconnecting cable is also available on special order.

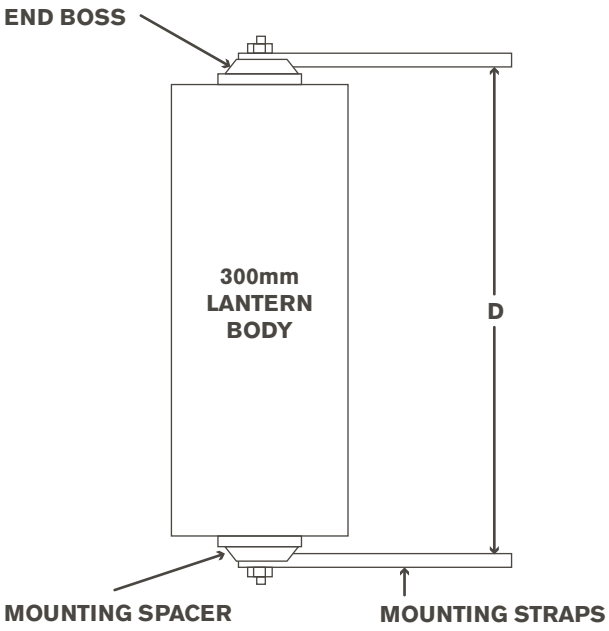
ACCESSORIES

Aldridge vehicle lanterns are available with a full range of accessories including:

- Target boards with white border
- Target boards without border
- 250mm, 300mm & 500mm mounting straps

Our 300mm diameter visors come in the following sizes:

- 300mm long, open type visors
- 300mm long, closed type visors
- Left and right cutaway visors in 300mm & 400mm lengths
- Half and full vertical louvres
- Half and full horizontal louvres



MOUNTING DIMENSIONS

BODY DIMENSION - 260mm width x 208.2mm depth

ASPECT	DIMENSION "D"
One Aspect	Min 360mm Standard 397mm
Two Aspect	Min 720mm Standard 74mm
Three Aspect	Min 960mm Standard 1097mm
Four Aspect	Min 1420mm Standard 1437mm

Dimensions +/-2mm (Other dimensions in 7mm adjustments available)

CLS TRAFFIC SIGNAL LANTERNS 200mm 300mm

FEATURES OPTICAL MODULE

- Meets all requirements of AS-2144
- Available in 200mm and 300mm sizes
- Available in Aluminium, Polycarbonate and Recyclable Go Green Enviro Housing
- Available in:
  - 230V AC (LV)
  - 42V AC (ELV) Dim-By-Wire
- High luminous output
- Low output degradation
- Low sun-phantom intensity
- Uniform lens illumination
- No veiling reflection
- Coloured lens corresponding to LED colour to minimize chance of false recognition
- Wide range of temperature operation
- IP65 protection against dust and moisture
- Compatible with existing Traffic Controllers in relation to dimming and monitoring
- Long term reliability and operational life
- Substantial energy and cost saving
- Low maintenance
- Easy retrofit optics available
- Symbolic signals available

SPECIFICATIONS

DISPLAY TECHNOLOGY	InGaN and AlInGaP High intensity LED
OPTICAL MODULE DIMENSION	200mm / 300mm roundel
LUMINOUS INTENSITY	Comply per AS-2144
SIGNAL COLOUR	Red/ Amber/ Green/White per AS/2144
OPERATING TEMPERATURE	-15° C ~ +55°C
IP CLASS	Class II IP65 Optical module / IP35 Housing
EMC/ELECTRICAL SAFETY STANDARD	AS 61000.6.1, AS 61000.6.3, AS-NZS 3100
ENVIRONMENTAL TEST	AS/IEC 60068.2.14, 2.2, 2.30, 2.5, 2.64
POWER	7~9W (200mm) 10~13W (300mm)
POWER FACTOR	>0.99
OPERATING VOLTAGE	**230V AC** (LV) **42V AC** (ELV) Dim-By-Wire
APPROVAL STANDARDS	AS-2144 , Vicroads (TCS-038) NSW (TSI-SP-045) NZ (AS-2144)

RED ASPECT (200mm)	YELLOW ASPECT (200mm)	GREEN ASPECT (200mm)
X = 0.693	X = 0.570	X = 0.074
Y = 0.305	Y = 0.429	Y = 0.549
RED ASPECT (300mm)	**YELLOW ASPECT (3300mm)**	**GREEN ASPECT (300mm)**
X = 0.688	X = 0.572	X = 0.081
Y = 0.312	Y = 0.425	Y = 0.580

For electromagnetic compatibility and immunity complies with the requirements of AS-2144 as per AS/NZS4252.1. IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC1000-4-6.

FEATURES LANTERN HOUSING

- U.V. stabilized components
- Adjustable lantern mounting centers
- Exceptional structural strength
- Dual side hinging doors
- Available with wide range of accessories
- Lanterns are available in 1, 2, 3 or 4 aspects
- Door locking clips available as an anti theft device Benefits Durable thermoplastic components
- Injection moulded plastic or aluminum housing components

TECHNOLOGY

Using high intensity LEDs, CLS delivers a more uniform light distribution. The signal is seen as one single light source, with no visible diodes compared to traditional LED signals which are visually seen as single LEDs grouped to form a light source. CLS provides a more comfortable visual to road user.

LANTERN OPTIONS

Aldridge LED Lanterns are normally available in one, two or three aspect sizes, but the modular design permits Aldridge to supply lanterns with four or more aspects to order. Lanterns may be supplied with arrow (or special) display in any specified combination of aspects. Customers may specify Aldridge lanterns fitted with target boards, visors, mounting straps and louvres etc. Special length interconnecting cable is also available on special order. Cable is also available on special order.

ACCESSORIES

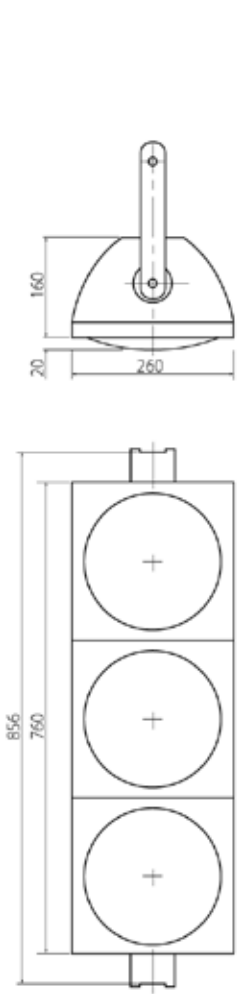
Aldridge vehicle lanterns are available with a full range of accessories including:

- Target boards with white border
- Target boards without border
- Various length mounting straps
- Various cable harness lengths are available

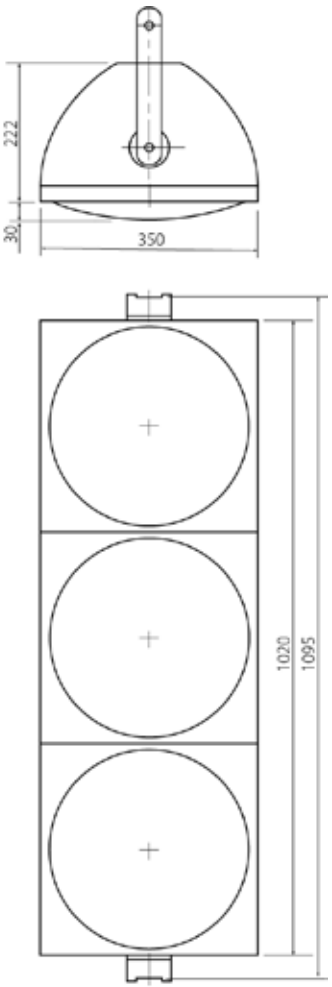
Our visors come in the following sizes:

- 200mm or 300mm, open type visors
- 200mm or 300mm, closed type visors
- Left and right cutaway visors
- Half and full vertical louvres
- Half and full horizontal louvres

Traffic Signal Lanterns fitted with **Central Light Source (CLS)** Signal, utilizing latest generation high intensity LED and optical lens design. Designed to meet Australian Standards.



200mm 3 ASPECT



300mm 3 ASPECT

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CLS TRAFFIC AND SYMBOLIC LANTERNS 200mm 300mm

FEATURES OPTICAL MODULE

- Meets all requirements of AS-2144
- Available in 200mm and 300mm sizes
- Available in Aluminium, Polycarbonate and Recyclable Go Green Enviro Housing
- Available in:
  - 230V AC (LV)
  - 42V AC (ELV) Dim-By-Wire
- High luminous output
- Low output degradation
- Low sun-phantom intensity
- Uniform lens illumination
- No veiling reflection
- Coloured lens corresponding to LED colour to minimize chance of false recognition
- Wide range of temperature operation
- IP65 protection against dust and moisture
- Compatible with existing Traffic Controllers in relation to dimming and monitoring
- Long term reliability and operational life
- Substantial energy and cost saving
- Low maintenance
- Easy retrofit optics available
- Symbolic signals available

SPECIFICATIONS

DISPLAY TECHNOLOGY	InGaN and AlInGaP High intensity LED
OPTICAL MODULE DIMENSION	200mm / 300mm roundel
LUMINOUS INTENSITY	Comply per AS-2144
SIGNAL COLOUR	Red/ Amber/ Green/White per AS/2144
OPERATING TEMPERATURE	-15° C ~ +55°C
IP CLASS	Class II IP65 Optical module / IP35 Housing
EMC/ELECTRICAL SAFETY STANDARD	AS 61000.6.1, AS 61000.6.3, AS-NZS 3100
ENVIRONMENTAL TEST	AS/IEC 60068.2.14, 2.2, 2.30, 2.5, 2.64
POWER	7 ~ 9W (200mm) 10 ~ 13W (300mm)
POWER FACTOR	>0.99
OPERATING VOLTAGE	**230V AC** (LV) **42V AC** (ELV) Dim-By-Wire
APPROVAL STANDARDS	AS-2144 , Vicroads (TCS-038) NSW (TSI-SP-045) NZ (AS-2144)



ARROW (200mm)	ARROW (200mm)	ARROW (200mm)
X = 0.693	X = 0.570	X = 0.074
Y = 0.305	Y = 0.429	Y = 0.549
ARROW (300mm)	**ARROW (300mm)**	**ARROW (300mm)**
X = 0.685	X = 0.573	X = 0.058
Y = 0.315	Y = 0.424	Y = 0.608

SYMBOLIC SIGNALS AVAILABLE IN STANDARD COLOURS

FEATURES LANTERN HOUSING

- U.V. stabilized components
- Adjustable lantern mounting centers
- Exceptional structural strength
- Dual side hinging doors
- Available with wide range of accessories
- Lanterns are available in 1, 2, 3 or 4 aspects
- Door locking clips available as an anti theft device Benefits Durable thermoplastic components
- Injection moulded plastic or aluminum housing components

TECHNOLOGY

Using high intensity LEDs, CLS delivers a more uniform light distribution. The signal is seen as one single light source, with no visible diodes compared to traditional LED signals which are visually seen as single LEDs grouped to form a light source. CLS provides a more comfortable visual to road user.

LANTERN OPTIONS

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ACCESSORIES

Aldridge vehicle lanterns are available with a full range of accessories including:

- Target boards with white border
- Target boards without border
- Various length mounting straps
- Various cable harness lengths are available

Our visors come in the following sizes:

- 200mm or 300mm, open type visors
- 200mm or 300mm, closed type visors
- Left and right cutaway visors
- Half and full vertical louvres
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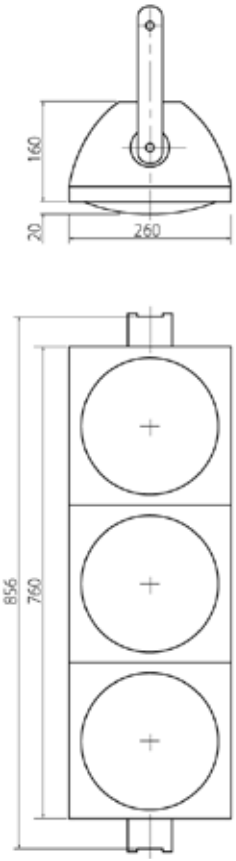
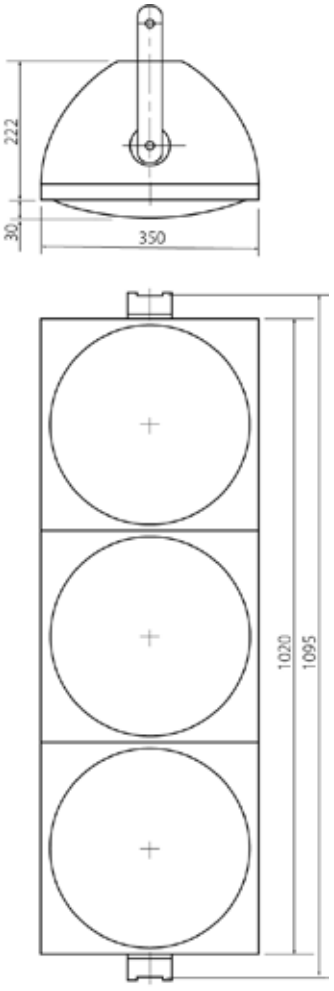


200mm 3 ASPECT



300mm 3 ASPECT

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LED RETROFIT OPTICS 200mm

FEATURES

- Meets all requirements of AS-2144
- High luminous output
- Operates in high temperatures
- Moisture resistant
- LEDs driven at low current in order to avoid premature ageing
- Compatible with existing Traffic Controllers in relation to dimming and monitoring
- Long term reliability and operational life
- Low output degradation
- Low sun phantom intensity
- No veiling reflection
- Coloured lens in compliance with colour requirements of AS-2144
- Meets the "Shut-down" requirements of AS-2144
- Can operate with solar power
- Durable thermoplastic components
- Exceptional structural strength
- Can be fitted to Aldridge injection moulded or aluminium pressure diecast modular housing components
- U.V. stabilised components
- Dual hinging doors
- IP35 protection or IP65 protection
- Door locking clips are available as an anti theft device
- Can operate with 110V, 240V, 48V, 42V, 24V and 12V

TECHNOLOGY

Retrofit installation for reflector carrier type model. Retrofit installation for shield unit (blue or black backs) Single full housing.

BENEFITS

- Substantial energy and cost saving
- Long reliable service life
- Low maintenance
- Uniform lens illumination
- LED lanterns can be made available to meet specification of American ITE, British Standard B5505 and DIN 6163 and BSEN 12368:2000

TECHNICAL SPECIFICATIONS

For individual technical specifications, refer to product specifications in page of relevant brochure.

For electromagnetic compatibility and immunity complies with the requirements of AS-2144 as per AS/NZS4252.1. IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC1000-4-6.

RETROFITS INSTALLATION

Retrofit installation for reflector carrier type model

1. Remove exiting door and optical system (red, yellow and green)
2. Click LED assembly into reflector carrier holes
3. Connect to transformer
4. Click in the new LED door assembly

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CLS RETROFIT OPTICS 200mm

FEATURES

- Meets all requirements of AS-2144
- High luminous output
- Operates in high temperatures
- Moisture resistant
- LEDs driven at low current in order to avoid premature ageing
- Compatible with existing Traffic Controllers in relation to dimming and monitoring
- Long term reliability and operational life
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- Can be fitted to Aldridge injection moulded or aluminium pressure diecast modular housing components
- U.V. stabilised components
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- IP35 protection or IP65 protection
- Door locking clips are available as an anti theft device
- Can operate with 110V, 240V, 48V, 42V, 24V and 12V

BENEFITS

- Substantial energy and cost saving
- Long reliable service life
- Low maintenance
- Uniform lens illumination
- LED lanterns can be made available to meet specification of American ITE, British Standard B5505 and DIN 6163 and BSEN 12368:2000

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RETROFITS INSTALLATION

Retrofit installation for reflector carrier type model

1. Remove exiting door and optical system (red, yellow and green)
2. Click LED assembly into reflector carrier holes
3. Connect to transformer
4. Click in the new LED door assembly

240/42V DUAL VOLTAGE LED SIGNAL LANTERN

A high quality 240/42V AC operated / IP65 Rated LED signal lantern.

As 42V AC is rated ELV, traffic operators and on-site installers avoid the risk of electrical contact. As most of the intersections operate on 240V AC Aldridge has developed a 240/42V AC Dual Voltage LED traffic lantern to make the transition progressive.

FEATURES

- Selectable voltage between 240V & 42V AC
- Available in Aluminium, Polycarbonate and Recyclable Go Green Enviro Housing
- Dual stage connection for simple installation
- Fused 42V AC input for overvoltage protection
- Wide temperature tolerance –from -15°C ~ +60°C
- Lamp failure monitoring and shutdown system
- Linear dimming on both 240V and 42V operation
- Uniform luminous intensity
- Low sun phantom
- IP65 rated enclosure - Dust and moisture resistant
- Designed for AS-2144
- Retrofit optics available

Power Performance

Aldridge LED signal consumes less power than a conventional halogen lamp, allowing a massive reduction of 89% in operating cost.

Optical Performance

The Aldridge LED signal ensures uniform luminous distribution. Each aspect presents a pattern of light points that are uniformly distributed across the circular aperture, which results in a constant light source without variation when viewed from any angle within the viewing range.

Lamp Monitoring

Aldridge LED signals have integrated lamp failure monitoring to the requirements of AS-2144. If 20% LEDs fail in any aspect of signal or Luminous Intensity drops less than 80%, the aspect will shut down automatically.

Low Output Degradation

Aldridge LED signals are driven at very low current. Hence have very low output degradation over long period of time.

Light Output Dimming

Aldridge LED lanterns can achieve light dimming by controlling input voltage magnitude or phase. The signals have linear dimming characteristics.

NORMAL VOLTAGE	240V AC	42V AC
DIMMING VOLTAGE RANGE	110 ~ 240V	19 ~ 42V
MAX. OPERATIONAL VOLTAGE	280V	49V
SHUT DOWN VOLTAGE	110V	19V

SPECIFICATIONS

TECHNOLOGY	High Intensity LED
OPERATING TEMPERATURE	-15ºC ~ +60ºC
LANTERN ENCLOSURE	IP65
LANTERN CONNECTOR	IP68
NORMAL OPERATING VOLTAGE	42V AC 240V AC
DIMMING VOLTAGE RANGE	19 ~ 42V AC 110 ~ 240V AC
DIMMING LUMINANCE RANGE	0 ~ 100 % 0 ~ 100 %
SAFETY SHUT DOWN VOLTAGE	19V AC 110V AC
POWER FACTOR	>0.97
POWER CONSUMPTION	10 ~15 W
SWITCH-OFF TIME	<120ms

BENEFITS

- Safety Consideration
- Substantial energy and cost saving
- Long reliable service life
- Low maintenance
- Uniform light illumination
- Enhanced dust and moisture protection
- Dual Voltage LED Lantern will make transition progressive between 240V and 42V and there will be direct benefits of Purchasing, Installation, Warehousing and Stock Control

ACCESSORIES

Aldridge Vehicle lanterns are available with a full range of accessories including:

- One, two and three aspect lantern housing
- Target boards with white border
- Target boards without border
- 250mm, 300mm and 400mm mounting straps
- Front Visor and Louvre

LED & CLS TRAFFIC SIGNAL LANTERNS

FOR EUROPEAN AND BRITISH STANDARDS BSEN12368-2006

High quality LED lanterns specifically designed to meet European and UK standards. Available in 200mm, 300mm diameter sizes, and 230V, 48V, 42V AC power supply

FEATURES

- Clear front lens for maximum visibility
- Coloured lens corresponds to LED colour to minimize chance of false recognition
- Available in 200mm and 300mm sizes
- Available in 230V, 48V and 42V AC
- Optically tested LED array for uniform light output
- High luminous output
- IP65 protection against dust and moisture
- Specifically designed to comply with BSEN12368:2006
- Operates in high temperatures
- Low power consumption
- LED light source for long term reliability and operational life
- Low output degradation
- Low sun-phantom intensity
- Low veiling reflection
- Retrofit optics available

HIGH POWER EFFICIENCY

- Aldridge LED lanterns consume less than 20% of power compared to a halogen lantern.

ACCREDITED MECHANICAL RELIABILITY

- Aldridge LED lanterns has passed rigorous environmental test such as solar radiation, vibration, temperature, bump and IP65 specified in BSEN12368:2006. It has a proven field record of long term reliability.

LAMP FAILURE MONITORING

- Aldridge LED signals are fitted with power supply with self monitoring of LED failure. If 20% or 30% (can be customized) of LED fails, the aspect will shut down automatically. The shut down is latched permanently by a relay until manual reset by press of a button to ensure maximum safety.

LIGHT OUTPUT DIMMING

- Luminance intensity is controllable by varying input voltage or by phase control. The signals have linear dimming characteristics.

RETROFITTING

- Aldridge lanterns comes in standard 200mm or 300 mm diameter. Therefore lanterns can fit directly into various brand of lantern housing.

SPECIFICATIONS — VEHICLE

TECHNOLOGY	InGaN and AlInGap High intensity LED
SPECIFICATIONS:	
UNITED KINGDOM	TR2206
EUROPE	BSEN12368:2006 HD638
LUMINOUS INTENSITY	Class 3:2 400-2500 cd
ANGULAR DISTRIBUTION	Table 4 Medium Wide Beam
LUMINOUS UNIFORMITY	1:10
SUN PHANTOM	Class 5
SIGNAL COLOUR	Complies with BSEN12368:2006
COMBINED COLOURS	Complies with BSEN12368:2006
OPERATING TEMPERATURE	-15°C ~ +70°C

SPECIFICATIONS — VEHICLE

	230V MODEL	**48V MODEL**	**42V MODEL**
NORMAL BRIGHTNESS VOLTAGE	230V AC	48V AC	42V AC
DIMMED BRIGHTNESS VOLTAGE	165V AC	32V AC	28V AC
LINEAR DIMMING RANGE	160~230V AC	28~48V AC	26~42V AC
OPERATING VOLTAGE RANGE	120~280V AC	20~55 V AC	18~49V AC
POWER CONSUMPTION	**230V MODEL**	**48V MODEL**	**42V MODEL**
NORMAL	10~12W	10~12W	10~12W
DIMMED	5~6W	5~6W	5~6W
POWER FACTOR	>0.97	>0.97	>0.97
SWITCHING TIME	<120ms	<120ms	<120ms

24V DC LED SIGNAL LANTERNS

Aldridge have been developing LED traffic signal lanterns with a field record of high reliability optics. These LED signal lanterns can operate directly from 24V DC supply and are designed with smooth, uniform light distribution with IP65 rated protection against moisture and dust, which make them ideal for use in mining applications.

FEATURES

- Operate directly from 24V DC
- Available in Aluminium, Polycarbonate and Recyclable Go Green Enviro Housing
- High power (lux/watt) efficiency
- IP65 rated enclosure protection against dust and moisture
- High quality InGaN and AlInGap LED
- Low power consumption
- Light weight design
- Low sun-phantom
- No veiling reflection
- Coloured clear lens in compliance with requirement of CIE/AS-2144
- Durable thermoplastic components
- Exceptional structural strength
- High temperature tolerance

SPECIFICATIONS — VEHICLE

	RED	YELLOW	GREEN
VOLTAGE (VDC)	24V	24V	24V
POWER CONSUMPTION (TRUE R.M.S)	4 watts	4 watts	4 watts
COLOUR CHROMATICITY COORDINATES	X = 0.687 Y = 0.311	X = 0.540 Y = 0.438	X = 0.099 Y = 0.611
DIAMETER	200mm	200mm	200mm
OPERATIONAL TEMPERATURE	-15°~70° C	-15°~70° C	-15°~70° C

12V DC LED SIGNAL LANTERNS

Aldridge have been developing LED traffic signal lanterns with a field record of high reliability optics. These LED signal lanterns can operate directly from 12V DC supply and are designed with smooth, uniform light distribution with IP65 rated protection against moisture and dust, which make them ideal for use in mining applications.

FEATURES

- Operate directly from 12V DC
- Available in Aluminium, Polycarbonate and Recyclable Go Green Enviro Housing
- High power (lux/watt) efficiency
- IP65 rated enclosure protection against dust and moisture
- High quality InGaN and AlInGap LED
- Low power consumption
- Light weight design
- Low sun-phantom
- No veiling reflection
- Coloured clear lens in compliance with requirement of CIE/AS-2144
- Durable thermoplastic components
- Exceptional structural strength
- High temperature tolerance

SPECIFICATIONS — VEHICLE

	RED	YELLOW	GREEN
VOLTAGE (VDC)	12V	12V	12V
POWER CONSUMPTION (TRUE R.M.S)	4 watts	4 watts	4 watts
COLOUR CHROMATICITY COORDINATES	X = 0.687 Y = 0.311	X = 0.540 Y = 0.438	X = 0.099 Y = 0.611
DIAMETER	200mm	200mm	200mm
OPERATIONAL TEMPERATURE	-15°~70° C	-15°~70° C	-15°~70° C

LED STANDMAN LANTERNS 200mm

Complies with requirements of AS 2144 Electromagnetic Compatibility: Complies with the requirements of AS/NZS4252.1, IEC61000-4-5, IEC1000-6

STANDMAN
X = 0.697
Y = 0.303

TECHNICAL DATA

- **Input Voltage**: 12VDC at 6VDC Guaranteed OFF
- Constant current drive to LED array
- Input fuse protection
- **Number of LEDs**: 76X
- **Outline Definition Method**: Individual LEDs
- **Dominant Wavelength**: Red = 620NM (LED:- EOQ-5PRFCCO-KK)
- **Input current**: Red = 0.364A (12VDC Input)
- **Operating Temperature**: –15°C ~ +70°C
- **Sighting Distance**: 60m
- **Warranty**: 5 years and 3 months materials and workmanship
- **MTBF**: 87600 hours (10 years continuous operation)
- **Diameter**: 200mm
- **Colour chromaticity coordinates**: X = 0.697 Y = 0.303

BENEFITS

- Substantial energy and cost saving
- Long reliable service life
- Uniform lens illumination

OPTIONS

- **Available in AC**: 240V, 230V, 48V, 42V, and 12V DC, 24V DC
- LED lanterns can be made available to meet specifications of American ITE, and BSEN 12368: 2014

ACCESSORIES

- Pedestrian lanterns are supplied complete with visors and mounting straps

FEATURES

These lanterns are produced using the same modular construction techniques and many of the same components used in producing the Aldridge range of vehicle lanterns. Many component parts of the housing are therefore interchangeable. The pedestrian lantern housing therefore features:

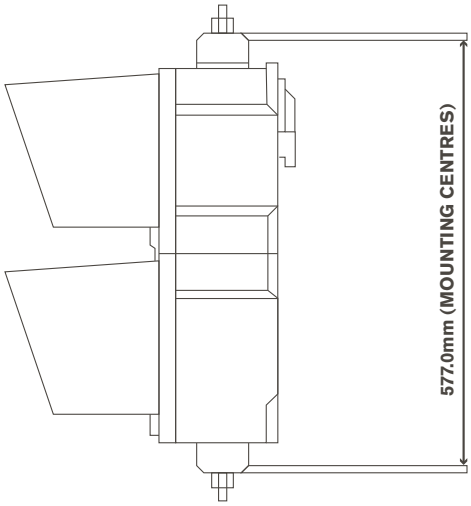
- Available in Aluminium, Polycarbonate and Recyclable Go Green Enviro Housing
- High luminous output
- Operates in high temperatures
- Moisture resistant
- LED driven at low current in order to avoid premature ageing
- Compatible with existing Traffic Controllers in relation to dimming and monitoring
- Long term reliability and operational life
- Low output degradation
- Low sun-phantom intensity
- Low veiling reflection
- Coloured lens in compliance with colour requirements of CIE/AS2144
- Meets the “Shut-down” requirement of AS2144
- Can operate with solar power
- Dual hinging doors
- Available with wide range of accessories
- IP protection: IP65
- Door locking clips available as an anti theft device

Pedestrian lanterns are normally supplied complete with the rectangular visors as illustrated .

Two basic optical systems are available, Blue/Black backs and reflector carrier options.

LED WALKMAN LANTERNS 200mm

WALKMAN
X = 0.04
Y = 0.641



TECHNICAL DATA

- **Input Voltage**: 12VDC at 6VDC Guaranteed OFF
- Constant current drive to LED array
- Input fuse protection
- **Number of LEDs**: 76X
- **Outline Definition Method**: Individual LEDs
- **Dominant Wavelength**: Red = 620NM (LED:- EOQ-5PRFCCO-KK)
- **Input current**: Red = 0.364A (12VDC Input)
- **Operating Temperature**: –15°C ~ +70°C
- **Sighting Distance**: 60m
- **Warranty**: 5 years and 3 months materials and workmanship
- **MTBF**: 87600 hours (10 years continuous operation)
- **Diameter**: 200mm
- **Colour chromaticity coordinates**: X = 0.04 Y = 0.641

BENEFITS

- Substantial energy and cost saving
- Long reliable service life
- Uniform lens illumination

OPTIONS

- **Available in AC**: 240V, 230V, 48V, 42V, and 12V DC, 24V DC
- LED lanterns can be made available to meet specifications of American ITE, and BSEN 12368: 2014

ACCESSORIES

- Pedestrian lanterns are supplied complete with visors and mounting straps

FEATURES

These lanterns are produced using the same modular construction techniques and many of the same components used in producing the Aldridge range of vehicle lanterns. Many component parts of the housing are therefore interchangeable. The pedestrian lantern housing therefore features:

- Available in Aluminium, Polycarbonate and Recyclable Go Green Enviro Housing
- High luminous output
- Operates in high temperatures
- Moisture resistant
- LED driven at low current in order to avoid premature ageing
- Compatible with existing Traffic Controllers in relation to dimming and monitoring
- Long term reliability and operational life
- Low output degradation
- Low sun-phantom intensity
- Low veiling reflection
- Coloured lens in compliance with colour requirements of CIE/AS2144
- Meets the “Shut-down” requirement of AS2144
- Can operate with solar power
- Dual hinging doors
- Available with wide range of accessories
- IP protection: IP65
- Door locking clips available as an anti theft device

Pedestrian lanterns are normally supplied complete with the rectangular visors as illustrated .

Two basic optical systems are available, Blue/Black backs and reflector carrier options.

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CLS STANDMAN LANTERN

Complies with requirements of AS 2144
Electromagnetic Compatibility:
Complies with the requirements of AS/NZS4252.1, IEC61000-4-5, IEC1000-6

STANDMAN
X = 0.697
Y = 0.303

TECHNICAL DATA - DONT WALK

- **HPSM** High Pressure Surface Mount LED
- Input fuse protection
- **Dominant Wavelength**: Red = 620NM (LED:- EOQ-5PRFCCO-KK)
- **Input current**: Red = 0.364A (12VDC Input)
- **Operating Temperature**: –15°C ~ +55°C
- **Sighting Distance**: 60mts
- **Warranty**: 5 years and 3 months materials and workmanship
- **MTBF**: 87600 hours (10 years continuous operation)
- **Diameter**: 200mm
- **Colour chromaticity coordinates**: X = 0.697 Y = 0.303

BENEFITS

- Substantial energy and cost saving
- Long reliable service life
- Uniform lens illumination

OPTIONS

- **Available in AC**: 240V, 230V, 48V, 42V, and 12V DC, 24V DC
- LED lanterns can be made available to meet specifications of American ITE, and BSEN 12368

FEATURES

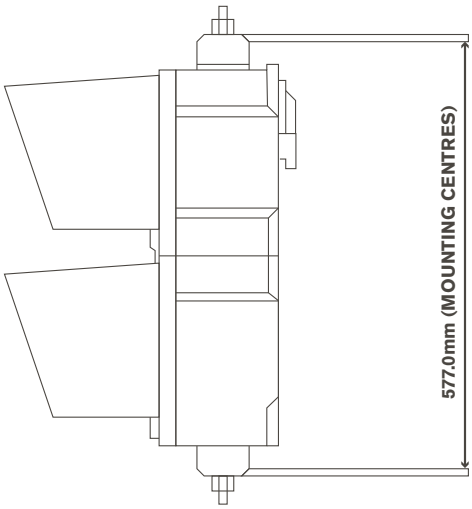
- High luminous output
- Operates in high temperatures
- Moisture resistant
- LED driven at low current in order to avoid premature ageing
- Compatible with existing Traffic Controllers in relation to dimming and monitoring
- Long term reliability and operational life
- Low output degradation
- Low sun-phantom intensity
- Low veiling reflection
- Coloured lens in compliance with colour requirements of CIE/AS2144
- Meets the “Shut-down” requirement of AS2144
- Can operate with solar power
- Durable thermoplastic components
- Exceptional structural strength
- U.V. stabilised components
- Adjustable lantern mounting centres
- Dual hinging doors
- Available with wide range of accessories
- IP protection: IP65
- Door locking clips available as an anti theft device

ACCESSORIES

- Pedestrian lanterns are supplied complete with visors and mounting straps

CLS WALKMAN LANTERN

WALKMAN
X = 0.04
Y = 0.641



TECHNICAL DATA - WALKMAN

- **HPSM** High Pressure Surface Mount LED
- Input fuse protection
- **Dominant Wavelength**: Green = 497.7NM (LED :- NEPE510JT)
- **Input current**: green = 0.324A (12VDC Input)
- **Operating Temperatur**e: –15°C to +55°C
- **Sighting Distance**: 60m
- **Warranty**: 5 years and 3 months materials and workmanship
- **MTBF**: 87600 hours (10 years continuous operation)
- **Diameter**: 200mm
- **Colour chromaticity coordinates**: X = 0.04 Y = 0.641

BENEFITS

- Substantial energy and cost saving
- Long reliable service life
- Uniform lens illumination

OPTIONS

- Available in AC: 240V, 230V, 48V, 42V, and 12V DC, 24V DC
- LED lanterns can be made available to meet specifications of American ITE, and BSEN 12368
- IP35 protection (IP65 optional)

FEATURES

- High luminous output
- Operates in high temperatures
- Moisture resistant
- LED driven at low current in order to avoid premature ageing
- Compatible with existing Traffic Controllers in relation to dimming and monitoring
- Long term reliability and operational life
- Low output degradation
- Low sun-phantom intensity
- Low veiling reflection
- Coloured lens in compliance with colour requirements of CIE/AS-2144
- Meets the “Shut-down” requirement of AS-2144
- Can operate with solar power
- Durable thermoplastic components
- Exceptional structural strength
- U.V. stabilised components
- Adjustable lantern mounting centres
- Dual hinging doors
- Available with wide range of accessories
- IP protection: IP65
- Door locking clips available as an anti theft device

ACCESSORIES

- Pedestrian lanterns are supplied complete with visors and mounting straps

PEDESTRIAN COUNTDOWN DISPLAYS

Aldridge Pedestrian Count-Down Display (PCD) utilises the latest in microprocessor and LED technologies to provide a cutting edge product.

The PCD has been manufactured in accordance with the operation of Pedestrian Traffic Signals in RTA Specification TSC/4. The PCD is powered by 240V AC (or 42V AC in 42V AC version), which is taken from the signal lantern (typically the RED standing man / Don't Walk lantern used to flash the clearance period).

No programming is required for the PCD as it auto detects the flashing clearance period. Auto detection occurs for at least one complete cycle before displaying the correct count down sequence on the following cycle. Timing and synchronisation with the flashing clearance is taken from the flashing lantern (typically the RED Standman / Don't Walk lantern is used to flash the clearance period).

FEATURES

- Utilising the latest in LED technology for low power, high brightness, and long operational life.
- Built-in intelligence to detect the pedestrian clearance period.
- Designed to operate with RTA Equipment Specification No. TSC/4 for Pedestrian Traffic Signals.
- On-site configurable leading zero digit blanking.
- No additional programming or configuration required.
- Works in conjunction with Aldridge Pedestrian Signal Lanterns which are compliant with Australian and International standards.
- Australian designed and Manufactured.
- Available with IP65 Signal Lanterns Housings.
- U.V stabilised components.
- Modular components for easy maintenance.
- Fits standard 200mm Traffic Signal Lantern Housings.
- Simple installation for new or existing traffic signals.

PEDESTRIAN 200MM COMBINED COUNTDOWN TIMER

PEDESTRIAN 200MM COUNTDOWN TIMER

UK 300MM PEDESTRIAN COUNTDOWN TIMER

Mounting of the PCD is standard as it is designed to mount into existing Traffic Signal Housings and can be provided with or without the step down transformer.

The PCD is typically used with standard Pedestrian Traffic Signals to provide an indication of the remaining time for the flashing clearance period. The two-digit display only lights during the flashing clearance period and displays a count down of the remaining seconds for the clearance period. The PCD is blank during the GREEN Walk period and RED Don't Walk Periods.

A configuration jumper is used to enable or disable leading zero digit blanking. Leading zero blanking provides additional visual feedback to distinguish clearance periods below 10 seconds.

DIGIT DISPLAY

- Two 7-segment digits
- Standard Leading Zero Digit Blanking or Non-leading Zero Digit Blanking option.

POWER SUPPLY

- 240V AC 50Hz (or 42V AC 50Hz in 42V AC version)
- Power is taken from the Signal Lantern input.

SIGNAL LANTERN INPUT

- Connects to the Signal Lantern used to indicate the flashing clearance period for pedestrian crossings. (typically the RED standing Man or Don't Walk Lantern)
- Typically connected in parallel to the signal lantern.

SIGNAL LANTERN INPUT

- Meets all requirements of AS-2144
- High luminous output
- IP65 protection
- Coloured lens in compliance with colour requirements of CIE/AS-2144
- LED type with long term reliability and operational life.

iTOUCH TOUCHLESS

PEDESTRIAN PUSH BUTTON

SAFER PEDESTRIAN SIGNALISED CROSSINGS

Aldridge iTouch the latest technology in 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 no physical touch is necessary.

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

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.

FEATURES

- Utilising the latest in LED technology for low power, high brightness, and long operational life.
- Built-in intelligence to detect the pedestrian clearance period.
- Designed to operate with RTA Equipment Specification No. TSC/4 for Pedestrian Traffic Signals.
- On-site configurable leading zero digit blanking.
- No additional programming or configuration required
- Works in conjunction with Aldridge Pedestrian Signal Lanterns which are compliant with Australian and International standards
- Australian designed and Manufactured
- Available with IP65 Signal Lanterns Housings
- U.V stabilised components
- Modular components for easy maintenance
- Fits standard 200mm Traffic Signal Lantern Housings.
- Simple installation for new or existing traffic signals.
- Voltage supply : AC 42V ± 20%
- Max current 35ma
- Push button is rated to IP45 as per required by AS2353 standard
- Adjustable proximity range (3cm ~ 12cm)
- Sensor LED detection (normal state red – green 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
- Wide input voltage range 24V AC/DC, 50V AC/DC, 32V AC or 42V AC
- Power supply / interface built into button housing
- No programming changes required to site controller
- No audio upgrades required
- Buttons can easily be installed onsite with wiring changes only
- 3 or 4 wire versions available to isolate 42 volt supply from 32 volt supply if required (standard 3 wire) cut link for 4 wire
- Optional pole top power supply for 240 volt sites that do not have spare core for 32 volt active
- No additional cables required if Call Record is already installed in poles

iTOUCH + CALL RECORD

iTouch Contactless Sensor with Call Record in Default State

iTouch Contactless Sensor with Call Record in Activated State

iTOUCH

iTouch Contactless Sensor In Default State

iTouch Contactless Sensor In Activated State

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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

iTouch V2
Contactless Sensor
In Default State

Sensor
Default State

iTouch V2
Contactless Sensor
In Activated State

Red Sensor
when Activated

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AUDIO TACTILE PEDESTRIAN DETECTOR

The system comprises two separate units, a post mounted weatherproof box which accommodates the electronic control circuitry, power supply and ambient noise monitor microphone plus an Aldridge audio tactile push-button assembly. The push-button assembly accommodates the tactile transducer fitted to the front escutcheon plate and also houses the audio signal transmitter. Two models are available, the push-button assembly as illustrated or an Aldridge CW series type assembly.

Audio Tactile Pedestrian Detector Push Button Assembly

Representing a major technology advance from Aldridge, the audio tactile detector and push-button assembly, is available with a selection of either audio only, tactile only or audio plus tactile indication. The audio tactile facilities can be partnered with either the Aldridge pedestrian push-button assembly, where uniformity at existing installations or visual wait sign indication is desired.

All pedestrians, including those with sight and/or hearing impairments, are catered for with the Aldridge pedestrian detection and indication system.

FEATURES

- Provides both tactile and audio indication facilities
- 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

AUDIO INSTALLATION AND MAINTENANCE

The audio tactile detector is simple to install and commission. Full details for installation and servicing are provided in the product manual. The plug-in printed circuit board in the audio tactile drive unit serves to facilitate maintenance procedures. The all weather drive unit CW45-5 housing is supplied with U bolt mounting facilities to suit 100mm nominal bore traffic signal posts (pedestals).

LEVEL CONTROL SELECTION

The Standard unit is wired to provide automatic level control over the Don't Walk tone only. Facilities are available to expand this control to also include automatic Walk tone adjustment.

SIGNAL DETAILS AUDIBLE LOCATION SIGNAL

- Tone approximately 1000 Hz with a slow repetition rate (0.52 Hz)

AUDIBLE CROSSING SIGNALS

- Change Tone: Initial burst of tone (2.KHz) decaying in frequency to 500 Hz
- Pulse Tone: A tone of approximately 50 Hz a fast repetition rate(8.3hz)

TACTILE SIGNALS

Tactile Don't Walk Signal:

- Pulse repetition rate(0.52 Hz)

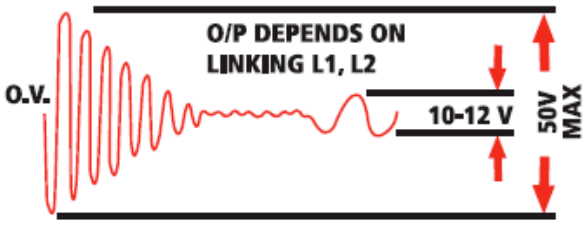
Tactile Crossing Signal:

- Rapid pulse tactile indication (8.3Hz)

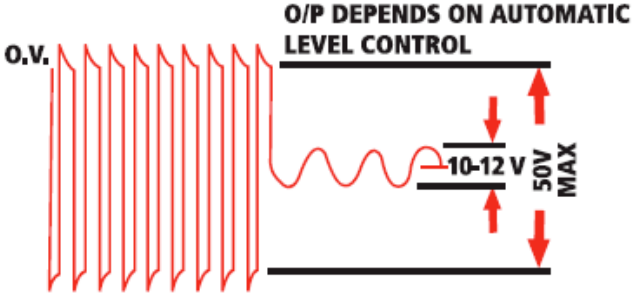
AUDIO TACTILE SIGNALS

The system produces two distinct types of audio signals and two distinct tactile pulse rates. The functions of these signals are:

1. The audible location signal continuously present for the Don't Walk condition. This serves to assist pedestrians with sight impairment to locate the push-button assembly thereby permitting use of both audio and tactile indication facilities available.
2. The audible crossing signal comprises two tone audible signals, the first of which is a change tone which immediately peaks and then decays followed by a rapid pulsing tone of a fixed frequency. This sequence ensures positive Identification by pedestrians with sight impairments and also serves to enhance pedestrian walk indication to all pedestrians at the traffic signal installation.
3. During the Don't Walk condition, a tactile signal pulses at the same rate as the corresponding audio signal, thereby giving second sensory confirmation of the Don't Walk condition.
4. During Walk (Cross) interval the tactile indication pulse rate operates coincident with the distinctive audible Walk (Cross) signal pulse rate.



Don't Walk Tone Waveform



SUPPLY VOLTAGE

Standard voltage: 240V, 50Hz
(Models to suit 50/60Hz, 110 Hz, 240V, are also available.

LANTERN HARDWARE

LANTERN HARDWARE AND ACCESSORIES

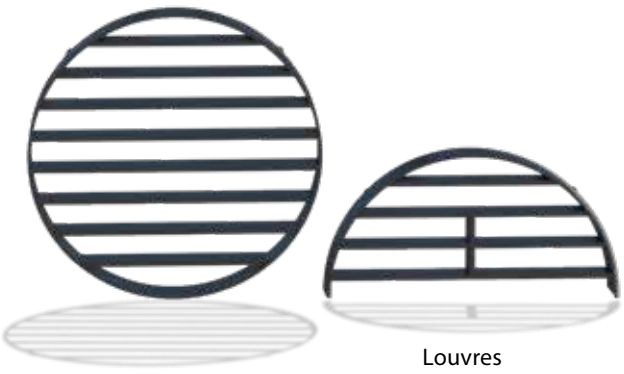
To partner their wide range of lantern products, Aldridge offer a comprehensive range of lantern mounting hardware and accessories. Aldridge customers can select suitable items from the Aldridge range to meet the needs of widely varying lantern visor and lantern mounting requirements. Manufactured from quality materials, all these products offer durable and reliable long term field service.

TARGET BOARDS

Aldridge have an extensive Standard range of grey target boards for both 200mm and 300mm lanterns. Models are available to suit single or multiple aspect lanterns as well as double lantern column applications. The target boards feature modular construction of a design which permits target boards to be replaced or added in the field without the need to remove the existing fixed lanterns. These are available with or without white borders. The target board components are manufactured from flame retardant ABS material which ensures minimum damage in event of an accident or polyester powder coated aluminium.

ARROW SYMBOLS

To achieve reliable and versatile arrow symbol lantern displays, Aldridge offer arrow masks which fit snugly against the inside curvature of 200mm and 300mm lenses. This concept eliminates any peeling problems. Both symbol shapes to AS-2144 and BS505 are available, but the concept also allows Aldridge to offer alternate symbol displays including T, X, B and other symbol requirements.



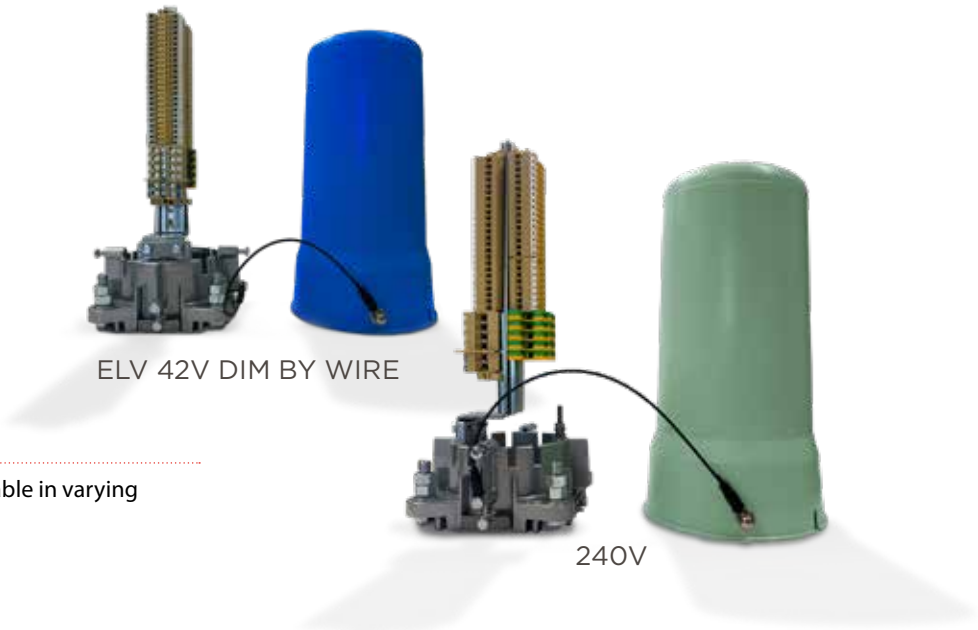
Louvres

ALDRIDGE POST TOP MOUNTING ASSEMBLY

Designed to mount on Standard 100mm posts (pedestals) the Aldridge upper mounting bracket, terminal assembly and finial cap combine to form the upper mounting post top assembly. A selection of terminal assembly requirements to meet individual needs and international wiring regulations are available. The upper mounting bracket provides for 4 lantern mounting points and up to 8 cable entry points.

The finial cap section which provides complete weather protection for the terminal points are manufactured from insulating material for safety. Standard assemblies are available in either a natural finish, traffic signal yellow, green, smoke blue or dark blue.

ELV Dim by Wire (DBW) offers 42V extra low voltage, without compromising on performance.



CLOSED TYPE VISORS

Aldridge closed type visors are also available in varying lengths
as follows:

- 200mm ~ 200mm
- 300mm
- 400mm
- 300mm ~ 300mm
- 400mm

These visors may be fitted with half or full, horizontal or vertical louvres.

CUTAWAY VISORS

The Standard range of Aldridge cutaway visors is the same as detailed closed type visors. Both left hand and right models are available. The visors may be fitted with half louvres or full, horizontal or vertical.

OPEN TYPE VISORS

Open visor types are designed for fitting to primary signal lanterns-that is lanterns which are normally situated adjacent to the associated phase stop line. As with all Aldridge visors, these visors are fitted to the lanterns using convenient reliable springs to facilitate assembly on installation and maintenance. The 200mm diameter and 300mm diameter open type visors are 200mm and 300mm long respectively.

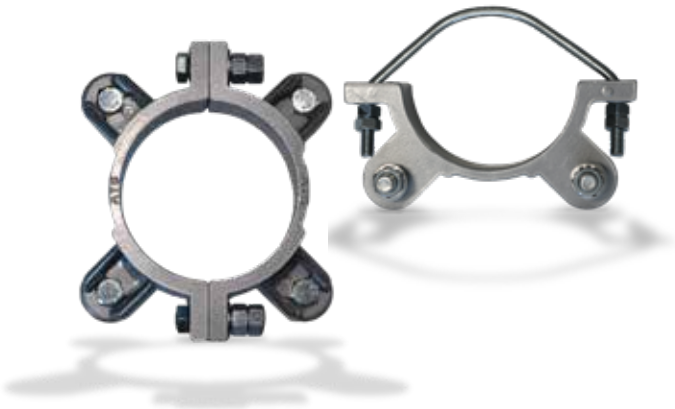
OTHER AG HARDWARE ITEMS

Aldridge are able to supply all customer needs for a traffic signal installation including the items described above together with

- Standard posts (pedestals)
- Overhead posts
- (pedestals)
- Mast arm assemblies
- Gantries to specification
- Lantern mounting straps in a variety of sizes
- Mounting plinths, underground terminal boxes, junction boxes etc.

POLE MOUNTING BRACKETS

Designed to partner the Aldridge upper mounting bracket assembly, (post top mounting assembly) The Aldridge lower mounting bracket assembly is available in half section offering two mounting points or double section offering four mounting points and is designed to suit 100mm posts (pedestals).



VISORS

Aldridge manufacture a wide selection of visors (cowls) for both their 200mm and 300mm vehicle lanterns. The visors are manufactured from polypropylene which ensures minimum damage in the event of an accident.

VERTICAL AND HORIZONTAL LOUVRES

Both half and full horizontal anti sun-phantom louvers together with vertical louvers, are available from Aldridge. 200mm and 300mm sizes are available. The louvers are manufactured from polypropylene.

Visors

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