

The Siemens Helios range of pedestrian signals offers a superior level of functionality and modern good looks. Manufactured in high precision die cast aluminium, the range incorporates a complete set of nearside and wait style signals utilising standard and narrow field of view optics.

Maximum user choice is offered with both LED optics and traditional incandescent lamps being available on selected units across the range. Additionally, both two part and single body nearside units are available, ensuring that whatever the style preference, this can be met from within the product range.

Puffin style signals

Typically at Puffin style crossing sites, at least two nearside displays and their associated demand units are installed. The signals are mounted upstream of passing traffic, making them visible solely to pedestrians, who view them by looking in the direction of the oncoming traffic.

Crossing layouts may sometimes need to be more sophisticated, particularly at crossings which are subject to heavy use. The separate nature of the Siemens nearside display and demand unit allows additional instances of either to be installed when required. For example, when additional demand units are necessary these can easily be located on downstream poles.

If improved visibility of the signals is needed, additional display units may be installed above those located in their normal position, to act as repeaters.

Where a more integrated aesthetic appearance is desired, a single enclosure version of the nearside signal is also available, encapsulating both demand and display elements within a single attractive enclosure.

Excellent optical performance

Advanced optical design provides exceptional visibility of the signals in all lighting conditions. In particular, the enhanced illumination on the demand unit offers an extremely clear and positive indication to the user, once the demand button has been activated.

For sites where signal 'see-through' is a particular problem, 'narrow field of view' versions of the Puffin, Toucan and Equestrian display units are available.



- Complete range of pedestrian signals
 - Puffin, Toucan and Equestrian nearside units
 - traditional wait indicators
- Choice of illumination type
 - long-life, low power consumption LED light sources
 - traditional incandescent lamps
- Excellent all weather visibility
- Regular and 'narrow field of view' options
- Lamp monitorable by Siemens controllers
- Optional touch-sensitive vandal-resistant demand button
- Available with audible and tactile units
- Approved to HA specification TR2511

Pedestrian signals advanced functionality with modern good looks

Pelican style signals

For use in traditional Pelican and intersection pedestrian applications, wait indicators are available which match the styling of the nearside units.

Both incandescent and LED illuminated options are available. The LED versions offer long-life and reduce power consumption eliminating the need for regular lamp changing and increasing the service interval at the site.

Vandal-resistant, touch-sensitive demand button

All units are fitted as standard with a robust mechanical switch, designed to give a long and reliable service life.

Where sites are particularly prone to vandal damage all unit styles may be fitted with an advanced touch sensitive button that has no moving parts. Based on the latest ultrasonic switch technology, this button is immune to the effects of rain and is fully operable even by pedestrians wearing gloves.

Lamp monitoring compatibility

All incandescent units are able to be lamp monitored directly by any Siemens intersection or pedestrian controller that offers integral lamp monitoring facilities.

LED based units are able to be lamp monitored by both the ST900 ELV and the ST750 ELV ensuring that failures of cabling or pole top connections can be detected automatically, allowing the installation to be returned to full operation with the minimum of delay.

Technical specification

Construction (all types)

Casting: Precision cast aluminum alloy
Signal screen: UV resistant polycarbonate

Environmental (all types)

Operating temperature: -15°C to +60°C
Water penetration: IPX5

Supply Voltage (all types)

Bright operation: 48V AC/DC*
Dim operation: 32V AC or 27.5 DC*
* Correct operational voltage is selected automatically when driven by the ST750 ELV or the ST900 ELV.

Two part nearside display unit

Dimensions:
360mm (H) x 225mm (W) x 130mm (D)
Weight: 4.8Kg

Optical performance:

- Red symbol (typical): 29cd
 - Green symbol (typical): 34cd
- (Reduces to approximately 20% intensity when dimmed)
- Viewing angle (NFV version): +/-25° (approx)

Typical power consumption (at 48V): 16 Watts

Two part nearside demand unit

Dimensions:
180mm (H) x 225mm (W) x 130mm (D)
Weight: 3.2Kg

Optical performance:

- Demand accept LED ring: 24cd
- (Reduces to approximately 20% intensity when dimmed)

Typical power consumption (at 48V): 6 Watts



Single part nearside units

Dimensions:
448mm (H) x 225mm (W) x 133mm (D)
Weight: 6.5Kg

Optical performance:

- Red symbol (typical): 29cd
 - Green symbol (typical): 34cd
 - Demand accept LED ring: 24cd
- (Reduces to approximately 20% intensity when dimmed)
- Viewing angle (NFV version): +/-25° (approx)

Typical power consumption (at 48V):
16 Watts (Display)

Typical power consumption (at 48V):
6 Watts (Demand ring)

Wait indicators

Dimensions:
360mm (H) x 225mm (W) x 130mm (D)
Weight: 4.8 Kg

Typical power consumption (at 48V):

- LED version 6 Watts
- Incandescent version 40 Watts

For further information, please contact:
Siemens Mobility, Traffic Solutions, Sopers Lane,
Poole, Dorset BH17 7ER UK

Telephone: +44 (0) 1202 782000
E-mail: sales.stc@siemens.com

www.siemens.co.uk/traffic

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