

The Siemens nearside signal is an integral part of the Highways Agency Puffin, Toucan and Equestrian crossing strategies, which provide a higher level of crossing efficiency and pedestrian safety than other types of controlled crossing.

The units are fully compatible with the ST700, ST800 and ST900 families of controllers, and can be lamp monitored directly by the ST900 ELV controller. This ensures 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.

Modular construction

Typically at these 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 unit to be installed in these cases. For example, where additional demand units are required these can be easily located on downstream poles. Where improved visibility of the signals is required, additional display units may be installed, above those located in their normal position, to act as repeaters.

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.



- Puffin, Toucan and Equestrian versions
- Long-life, low power consumption LED light source
- Excellent all weather visibility – including regular and 'Narrow Field of View' options
- Lamp monitorable by Siemens' ST900 ELV controller
- Optional touch-sensitive vandal-resistant demand button
- Available with audible and tactile units
- Independent nearside signal and demand unit
- Approved to HA specification TR2181C/TR2511A

Nearside signal pedestrian control

Traffic Controls

SIEMENS



Vandal-resistant, touch-sensitive demand button

One of the most vulnerable parts of many nearside signals is the pedestrian demand button, which is often subject to vandal damage. As an option, the Siemens nearside signal features a touch-sensitive button which, with no moving parts, is highly resistant to damage caused by the insertion of foreign objects, adhesive or similar substances. This, coupled with the robust aluminium die-cast enclosure and polycarbonate screen, creates a very attractive and vandal-resistant unit.

Technical specification

Nearside display

Mechanical

- Casting: Aluminium alloy
- Signal screen: UV resistant polycarbonate
- Weight: 5.5kg
- Dimensions:
346mm (H) x 213mm (W) x 115mm (D)

Optical

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

Environmental

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

Supply voltage

- Bright operation: 48V AC
- Dim operation: 32V AC
- Typical power consumption (at 48V):
16 Watts

Demand unit

Mechanical

- Casting: Aluminium alloy
- Weight: 2.5kg
- Dimensions:
161mm (H) x 213mm (W) x 115mm (D)

Optical

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

Environmental

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

Supply voltage

- Bright operation: 48V AC
- Dim operation: 32V AC
- Typical power consumption (at 48V):
6 Watts

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