

crossguide

The latest Signal Request Device for Pedestrians and the Visually Impaired

| crossguide sets new standards

All requirements are combined in this device:

- Traffic noise-dependant acoustic integrated into the device
- Parameter adjustment via remote control
- Minimal logistic outlay with maximum ease of use
- Cost optimisation of procurement, installation and maintenance



Signal Request Device **crossguide** | for Pedestrians and the Visually Impaired

General | Functions

Parameter adjustment	All functions/parameters can be configured via <ul style="list-style-type: none"> ▪ USB cable ▪ serial cable or ▪ Bluetooth via laptop
Retrofitting old equipment	Old equipment can make use of the entire range of device functions optionally with two wires. This mode can be only adjusted through the software, i.e. it is not necessary to buy a new device with this parameter set.
Subsequent extension of functions	The subsequent activation of functions is possible with a update of reprogramming of the device. Advantage: In case of function extension, no exchange of devices is necessary
Event memory Error memory	The device is equipped with different memory modules. <ul style="list-style-type: none"> ▪ All changes made to the device are stored in the event memory with the ID code of the respective processor.
Saving Copying	Frequently used parameter settings can be saved and copied.
Real-time clock	If required, the devices can be equipped with a gold cap buffered real-time clock.
BUS-System	The device is already prepared to connect a BUS system interface to enable the use of this technology in future.

All special functions are equipped in the device as standard and can be configured by software. The activation of the special functions can be made by entrances which are freely to define and outputs.

Pedestrians | Functions



Signal request	<ul style="list-style-type: none"> ▪ Large surface sensor ▪ Large surface push-button with two potential-free micro switches
Optical reply signal	LED, light strenght 3000 mcd

Pedestrians | Special functions

Acoustic request acknowledgement	The large surface push-button and/or vibrating push-button can be equipped with a short acoustic acknowledgement signal, which is activated when a button is pushed.
Potential-free sensor operation	Internal logic for potential-free sensor operation

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Visually Impaired | Functions


Signal request	Concealed push-button underneath the device, integrated into the crossing symbol
Tactile enabling	Vibration module in connection with the crossing symbol underneath the device
Acoustic enabling <ul style="list-style-type: none"> Traffic noise-dependant 	<p>Dependant on traffic noise - max. frequency up to 5 Hz</p> <ul style="list-style-type: none"> Volume: min. ca. 30 dB (A) - max. ca. 85 dB (A) Sound can be selected, loaded and activated via software (standard 880 Hz, frequency range 500 Hz to 10 kHz) Tuning of the amplification level possible in 1-dB steps from ca. -20 dB to ca. +20 dB per passage width Maximal and minimal level can be adjusted in 1 dB steps from ca. 30 dB to ca. 85 dB Individual adjustments are possible
Separate loudspeaker <ul style="list-style-type: none"> Enable signal 	The enable signal can be emitted in the direction of the passageway via a separate loudspeaker should the surrounding conditions make this necessary (large passageways, very loud inner city area). The loudspeaker is mounted at a height of approx. 2.50 m.
Orientation signal <ul style="list-style-type: none"> Traffic noise-dependant 	<p>Dependant on traffic noise - pecking noise standard, frequency arbitrary</p> <ul style="list-style-type: none"> Volume: min. ca. 30 dB (A) - max. ca. 85 dB (A) Sound can be selected, loaded and activated via software (standard 880 Hz, frequency range 500 Hz to 10 kHz) Minimal level can be increased in 5 dB steps from ca. 40 dB to ca. 55 dB Fine tuning of the amplification level possible in 1-dB steps from ca. -20 dB to ca. +20 dB Individual adjustments are possible
Crossing symbols	<p>According to DIN 32981, complete as sub-package</p>  

Visually Impaired | Special Functions

Acoustic <ul style="list-style-type: none"> Night time mode 	Orientation, enable, acoustic orientation and/or vibration signals can be turn off at night. Every signal can be turn off individually in 1 dB steps from 0 to 30 dB - or optional, can be activated using an internal clock
Acoustic <ul style="list-style-type: none"> Night time reduction 	For orientation and/or enable signals, can be reduced in 10, 15 or 20 dB steps – optional, can be activated using an internal clock
Flashing green light	<p>Various functions can be activated:</p> <ul style="list-style-type: none"> Flashing mode followed by an acoustic signal Frequency can be doubled - i.e. from 10 Hz to 20 Hz Different sound can be selected
Synchronisation of signalling devices for blind pedestrians	The devices can be connected to each other; this makes it possible to activate the enable signal and vibrator without integrating the control unit. The number of cycles, for which the enable signal/vibration should be active, can also be configured.
Signal duration	The duration of the acoustic enable signal and vibrator can be configured manually in seconds.

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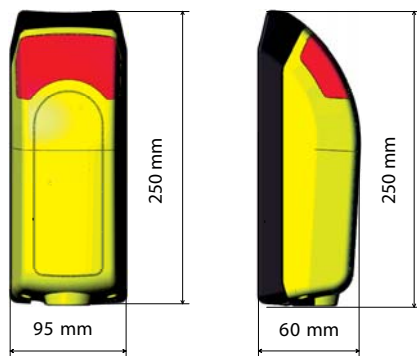
Visually Impaired | Special Equipment

<p>Relief symbol</p>	<p>The tactile symbols provide the visually impaired pedestrian with information on the exact condition of the roadway which is to be crossed</p> <ul style="list-style-type: none"> ▪ The symbols are always arranged in the direction of travel from bottom to top. The symbols can also be used in the opposite direction ▪ In accordance with the Austria-Standard V 2100 and V 2101, amongst others 	
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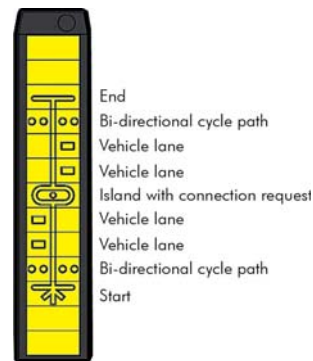
Technical Data

Description	<ul style="list-style-type: none"> ▪ Signal device for blind pedestrians EK 533 crossguide
Operating voltage	<ul style="list-style-type: none"> ▪ 230V AC ▪ 40V DC ▪ 24V AC/DC (from mod of 2010)
Housing colour	<ul style="list-style-type: none"> ▪ Yellow, similar to RAL 1023 - solid coloured ▪ Other colours on request
Protection class	<ul style="list-style-type: none"> ▪ II - insulated
Protection rating	<ul style="list-style-type: none"> ▪ IP54
Power consumption	<ul style="list-style-type: none"> ▪ max. 5 watt - entire device
Mounting	<ul style="list-style-type: none"> ▪ Two hexagon socket screws A2 A2 - M6 x 25
Ambient temperature	<ul style="list-style-type: none"> ▪ -25 to +60° Celsius
Mast assembly	<ul style="list-style-type: none"> ▪ Made of stainless steel, suitable for 89, 108 and 159 mm

Dimensions



Example of Relief Symbols



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