

basicguide
= Universal
voltage

Signal requesting device

basicguide EK 524

The new basicguide, for use in traffic control units with pedestrian requesting system and tactile feedback signals for the visually impaired

Crossing request signals are requested either using a large-surface push-button or via a capacitive sensor with dynamic measuring principle. If any change occurs in the sensor's request zone, (such as gum being stuck to it or a layer of ice), it incorporates the change into the resonant circuit the next time a pedestrian makes a request. The self-regulating resonant circuit therefore does not trigger a continuous request. This facilitates reliable operation, regardless of the weather conditions: the device can even be operated while wearing gloves. The basicguide is highly vandalism-resistant. Whether as a sensor or a push-button, the item also represents a solution as a replacement part for less sturdy models on the market.



basicguide EK 524

Advantages

Flexibility

- Suitable for all conventional street pole diameters
- Universal voltage device, 20 to 253 V
- Multifunctional configuration options

Stability and reliability

- High mechanical resistance to vandalism, without requiring additional parts
- UV-stabilised polycarbonate housing, without adhesive bonding
- Temperature range from - 25° to + 60°C
- Approved by all major traffic signal engineering firms
- Satisfies DIN 32981 (10/2016), EN 50293

Easy installation

- Street pole installation using screws, without removing the vibrator unit
- Stainless steel vandalism protection incorporated
- Coloured connection wires with permanently assigned functions
- In the event of replacement, the drill holes on the pole can often be re-used

Functions

- Push-button with isolated micro switch, with integrated pivot bearing
- Sensor variant with dynamic capacitive sensor
- Adjustable optical feedback with flashing function
- Tactile release signal for the visually impaired via pulsed vibrator button; avoids misinterpretation
- Optional internal speaker

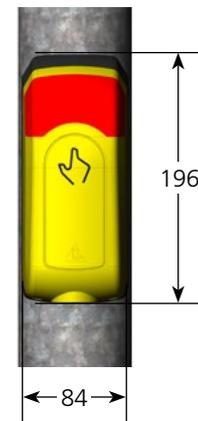
Technical data

Designation:	basicguide EK 524 signal requesting device
Requirements:	Satisfies RiLSA; DIN VDE 0832; DIN 32981
Protection class:	II
Protection rating:	IP54
Universal voltage:	AC 20-253 V; DC 20-40 V
Maximum sensor current load:	100 mA
Sensor current draw:	< 1 mA
Max. LED power consumption:	2 W
Vibration power consumption:	Max. 2 W

Material

Material:	Solid-colour polycarbonate (PC)
Colour:	Yellow – similar to RAL 1023
Mechanical properties:	High notch impact strength High flexural strength
Thermal properties:	Self-extinguishing ULV1 Resistant from - 40° to + 125° C
Optical properties:	UV-stable, smooth surface
Electrical properties:	Volume resistivity >10 ¹⁶ Ω/cm; DIN 53482 and VDE 0303/T3
Chemical properties:	Resistant to petrol and aliphatic saturated hydrocarbons

Dimensions



Combination options

basicguide	touch Sensor	Large-surface push-button	LED feedback	VPB*	Image
Type 1		■	■	■	
Type 2	■		■	■	
Type 3		■		■	
Type 4	■			■	
Type 5				■	

*VPB - Vibration push button

Functions of the

Signal request

- Signal request via push-button
- Signal request via dynamic capacitive sensor
- Signal request via vibrator button

Visual feedback (LED technology)

- Optical feedback, top and side
- With text, e.g. "Wait for signal"
- Other text and symbols available on request

Internal speaker

- Optional for orientation sound

Labels

Symbols

- Hand
- Pedestrians
- Cyclists

Text

- Please push
- Please touch