



# Pedestrian signal requesting device

## *easyguide* EK 424

### The entry-level solution for signal requesting

The easyguide offers central basic functions for traffic light systems at optimum value for money. Pedestrians or cyclists can request signals either by pressing a large-surface push-button or via a capacitive sensor with a dynamic measuring principle.

## Advantages

### Flexibility

- Suitable for all conventional pole diameters
- Universal voltage device, 20–253 V

### Stability and reliability

- High resistance to vandalism, without requiring additional parts
- Compact, easy-install design
- Temperature-resistant from -25 °C to +60 °C
- Approved by all major signal engineering firms

### Easy installation

- Screw-on pole installation
- Universal stainless steel pole adapter

### Functions

- Signal request optionally via push-button with isolated micro switch or sensor (dynamic capacitive)
- Visual feedback

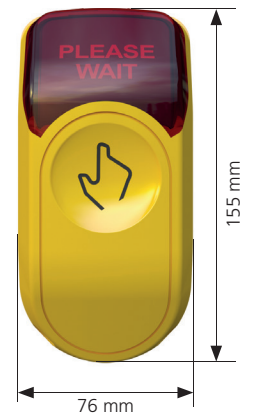
### Typical areas of application

- Cyclist signal request
- Passenger guidance systems
- Spare parts market



## Technical data





Designation:	easyguide EK 424
Nominal operating voltage	Universal voltage: 24 VDC   24 VAC   40 VAC   110V AC   230 VAC
Feedback max. power consumption	2 W
Standards fulfilled	RiLSA; DIN VDE 0832-100, DIN VDE 0832-200
Housing colour	Yellow, similar to RAL 1023, solid coloured
Protection class	II (double-insulated)
Leak test	as per DIN 32981:2018-06
Impact strength	IK9
Max. sensor current load	80 mA
Sensor current draw	< 1 mA
Auxiliary relay for sensor (optional)	230 V, 1 A
Mounting/installation	screw mounting
Operating temperature	-25°C to +60°C
Height / Width / Depth	155 mm / 76 mm / 76 mm (distance from pole)



## Material

Material:	Polycarbonate (PC)
Mechanical properties:	High notch impact and flexural strength
Thermal properties:	Self-extinguishing ULV1, resistant from -40 °C to +125 °C
Optical properties:	UV-stable, smooth surface
Electrical properties:	Volume resistivity $>10^{16} \Omega / \text{cm}$ ; DIN 53482 and VDE 0303/T3
Chemical properties:	High resistance to chemicals occurring in the field of application

## Combination options

easyguide	Sensor	Large-surface push-button	LED feedback
Type 1 	■		
Type 2 	■		■
Type 3 		■	
Type 4 		■	■

## Functions

### Signal request

- Push-button or sensor
- Can be equipped optionally with an auxiliary relay for the sensor, enabling potential-free connection contact
- Optional optical feedback at the top and side with text, e.g. "Wait for signal"

## Labels

### Symbols

- Hand
- Pedestrians
- Cyclists

Others on request.

### Text

- Please push
- Touch