



Pedestrian Signal Requester EK 424

Signal Requester EK 424 for pedestrians For use with traffic signals with pedestrian signal requesting system

The Langmatz Signal Requester EK 424 for pedestrians is an innovative product with tried and tested properties. Its multifunctional configuration options give you planning flexibility and keep your costs lower. The equipment is designed exclusively using capacitive sensors with a dynamic measuring principle. If any change occurs in the sensor's request zone, such as gum being stuck to it or a film of ice, it incorporates the change into the resonant circuit when a pedestrian makes a request. The self-regulating resonant circuit does not trigger continuous operation.



EK 424 with sensor button, visual confirmation and hand symbol

Advantages | Pedestrian Signal Requester EK 424

Flexibility

- Suitable for any pole diameter
- Multifunctional configuration options
- Combination options for signal request

Stability and reliability

- High mechanical resistance to vandalism
- Compact, easy-install design
- Protection class II
- Degree of protection IP 54
- Temperature range -25° to +60°
- Approved by all major signal engineering firms

Easy installation

- Screw-on lighting pole installation
- Universal stainless steel pole adapter for all common pole diameters

Functions

- Large push button with floating contact micro switch
- Sensor button with dynamic capacitive sensor
- Visual confirmation



Technical data

Designation:	Signal Requester EK 424 for pedestrians
Requirements:	meets RiLSA and DIN VDE 0832
Protection class:	II
Degree of protection:	IP 54
Operational voltage:	AC 24 V–230 V ; DC 24 V–40 V
Maximum sensor current load:	100 mA
Sensor current draw:	< 1 mA
Maximum LED power consumption:	2 W
Auxiliary relay:	230 V–1 A



EK 424 with large push button and visual confirmation

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 UL/V1 Resistant from -40°C to 125°C
Optical properties:	UV-resistant
Electrical properties:	Insulation resistance >10 ¹⁶ Ω cm DIN 53482 and VDE 0303/T3
Chemical properties:	Resistant to petrol and aliphatic saturated hydrocarbons

Functions

Signal request

- Large push button over a floating contact micro switch
- Signal request via sensor button with dynamic capacitive sensor
- Auxiliary relay for sensor or buttons for floating contacts

Visual confirmation (LED technology)

- Top and side windows
- Without text
- With text, e.g. "Wait for signal"

Symbols




- Hand
- Pedestrians
- Cyclists

Text

- Push button
- Wait for signal
- Other text and symbols available on request

Combination options

These functions can be combined:

EK 424 variant	Sensor	Large push button	LED confirmation	Image
Type 1	■			
Type 2	■		■	
Type 3		■		
Type 4		■	■	