

LED Permanent/Blinking/Rotating Beacon with external triggering



Base/Bracket mounting



Bracket (accessories)



Three different light effects with one device

Sizes of Permanent Beacons



- Multi-functional LED beacon
- 3 light effects can be remotely selected
- Electrically isolated signal inputs
- Positive and negative logic possible
- Tube mounting solution suitable for Ø 25 mm and 1/2" NPT tubes

i TECHNICAL SPECIFICATIONS:

Dimensions (Ø x Height):	98 mm x 137 mm (Base/Bracket mounting)	Life duration up to 50,000 hrs
	98 mm x 200 mm (Tube mounting)	
Cable entry:	Cable diameter 5-7 mm	
Housing:	PC/ABS-Blend	
Lens:	PC, transparent	
Connection:	Screw terminal with wire protection 0.5 mm ² - 2.5 mm ²	
Blink frequency:	c. 1.5 Hz	
Rotation frequency:	c. 180 r.p.m.	

🛒 ORDER SPECIFICATIONS:

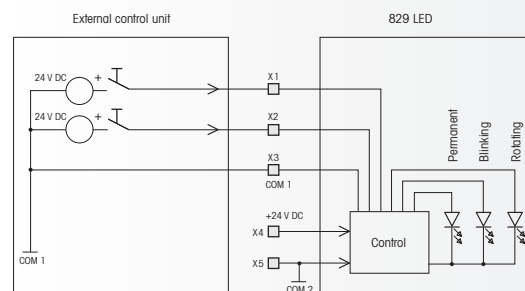
	Base/Bracket mounting	Tube mounting
Fixing		
Voltage	24 V =	24 V =
Current consumption	≤ 300 mA	≤ 300 mA
red	829 150 55	829 157 55
green	829 250 55	829 257 55
yellow	829 350 55	829 357 55
blue	829 550 55	829 557 55

🏠 ACCESSORIES:

Plastic bracket for wall mounting	975 826 05
Wire guard, galvanised, only for base mounting	975 826 03
Tube Ø 25 mm, all anodized aluminium, 100 mm long	975 845 10
Base for tube, plastic	975 840 90
Base for tube, metal	975 840 91

⚠️ ADDITIONAL INFORMATION:

829 with external triggering – Light effects set via control cables



Thanks to the external trigger function, the range of light effects offered by the LED Beacon 829 can be set by means of electrically isolated, binary coded 24 V control cables. This guarantees a much greater level of resistance to electrical interference. The machine operator can use the different signals to indicate various machine conditions – without having to make adjustments to the beacon itself. In addition the LED beacon 829 can be used in conjunction with both positive and negative trigger logic.

📏 TECHNICAL DIAGRAMS:

see page 283

Base/Bracket mounting Base/Bracket mounting Tube mounting





Monitored Permanent Beacon with long life, maintenance-free LED technology



Bracket (accessory)

- Durable LED Permanent Beacon with built-in monitoring capability
- Life duration up to 50,000 hrs
- No additional external voltage required
- Two potential-free safety outputs for connection to control system

Life duration up to 50,000 hrs

i TECHNICAL SPECIFICATIONS:

Dimensions (Diameter x Height):	98 mm x 137 mm
Housing:	PC/ABS-Blend
Lens:	PC, transparent
Fixing:	Base, bracket and tube mounting Base 975 840 90 must be ordered twice for base mounting – once as socket for beacon and once as base
Installation position:	Vertical
Cable outlet:	Downward
Current consumption:	≤ 145 mA
Duty cycle:	100 %
Connection:	Screw terminal with wire protection max. 2.5 mm ²
Cable entry:	Cable diameter 5-7 mm
Rated voltage:	24 V [≒]
Input power 24 V[≒] :	c. 3.5 W
Output current capability:	30 V [≒] / 100 mA
On state resistance of an output:	Max. 25 Ω
Atmospheric humidity:	≤ 95 % without moisture condensation
Response time, normal operation and with LED failure:	1 ms to 5 ms
in fault cases with safety release:	< 1 s (with short-circuit current ≥ 1 A)
Certification:	EN ISO 13849-1:2008 category 4 , Performance Level "e" EN ISO 13849-2:2008 validation

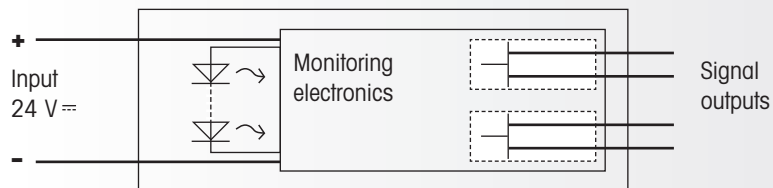
ORDER SPECIFICATIONS:

Shopping cart icon	Voltage	24 V [≒]
	red	829 170 55
	yellow	829 370 55
	clear	829 470 55

ACCESSORIES:

Bracket	975 826 05
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ADDITIONAL INFORMATION:



Function

The device is equipped with monitoring electronics which signal the current flow of the beacon back to two electrically isolated, potential-free semiconductor outputs A and B (outputs closed).

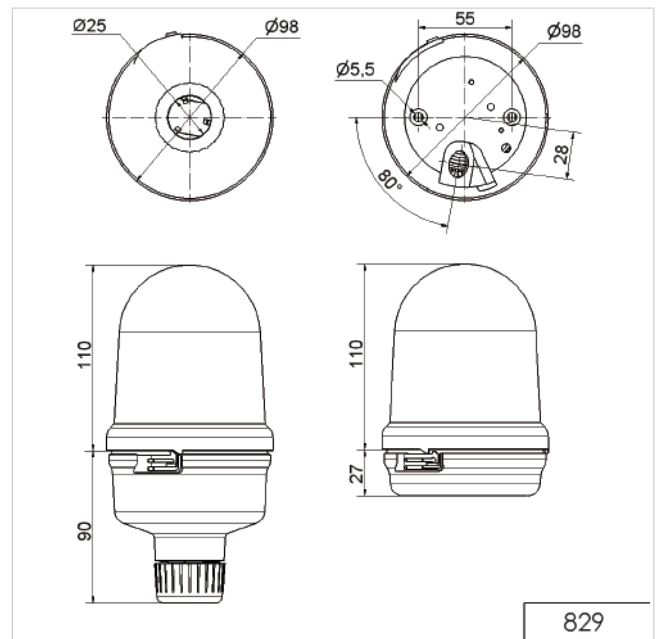
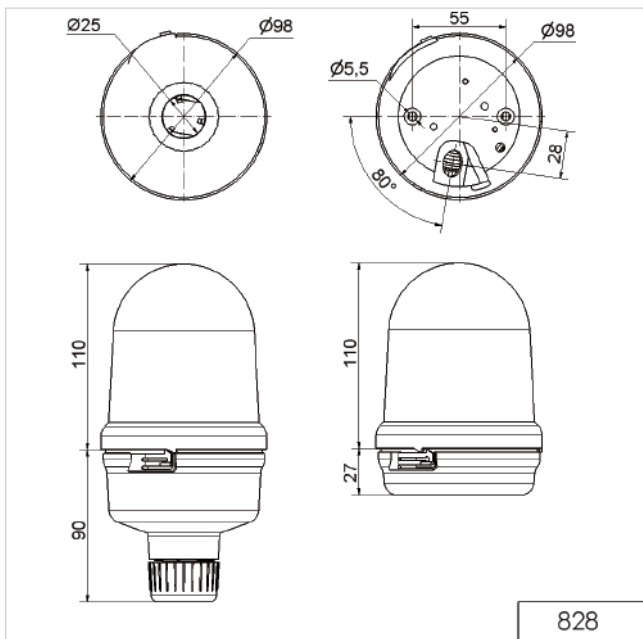
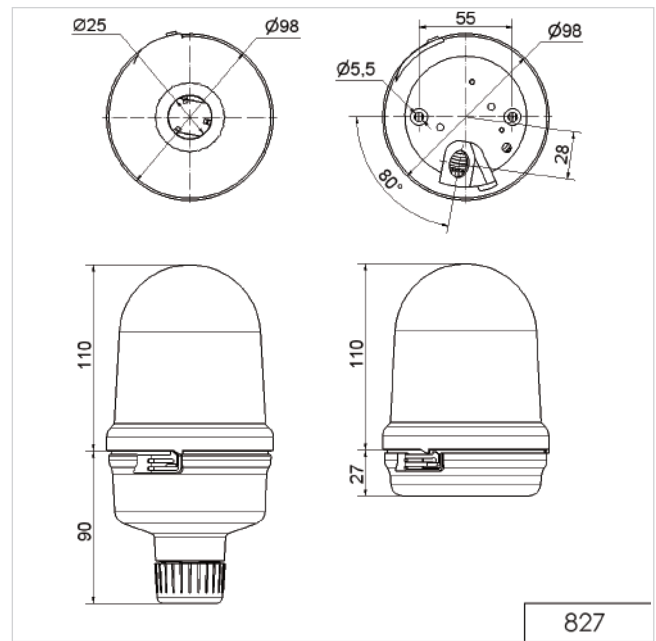
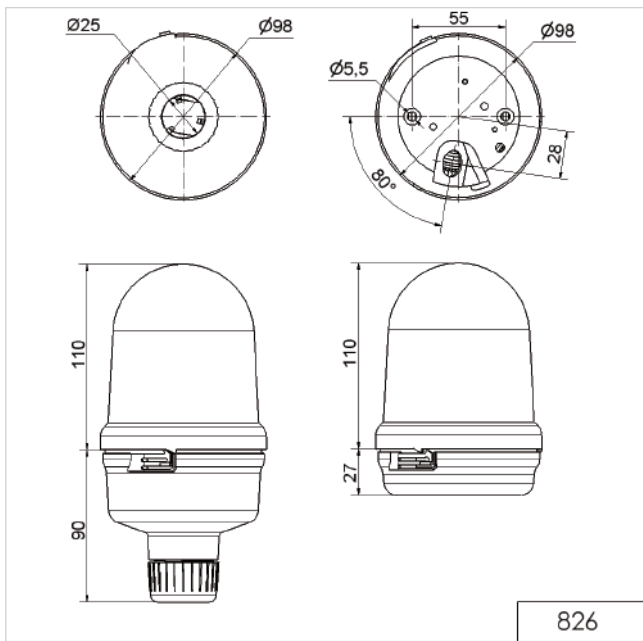
If the beacon has not been actuated, both outputs are open. In case of a fault at least one output is opened.

TECHNICAL DIAGRAMS:

see page 283

Sizes of Permanent Beacons





! ADDITIONAL INFORMATION:

You are welcome to request the technical diagrams in digital form. The relevant 3D models, instruction leaflets and connection diagrams can be obtained from us or downloaded from our homepage at any time.