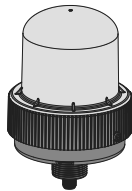


K100 Basic Daylight Visible Beacon - AC Datasheet

Features

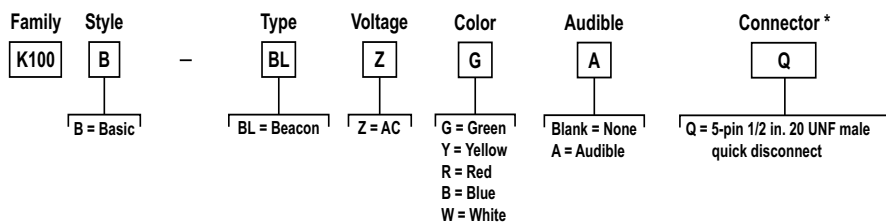
High Daylight Visibility, Single Color Beacon with Optional Alarm for Indoor or Outdoor Use



- Highly visible indicator provides bright, even light in direct sunlight
- Five color choices available
- 36 mm threaded polycarbonate base
- Rugged IP66, UL Type 4X housing
- Rugged UV-stabilized polycarbonate base and window
- 100 V AC to 240 V AC operating voltage

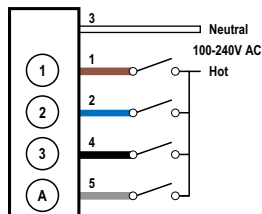
Models

Standard models shown. Contact factory for other options.



* Models with a quick disconnect require a mating cordset

Wiring Diagrams



Key

- 1 = Brown
- 2 = Blue
- 3 = White
- 4 = Black
- 5 = Gray

An "X" denotes an active input.

For example: When Input 1 and Input 3 are both active, the indicator will be Flashing at 5 Hz.

Table 1: Default Configuration (Sheet 1 of 2)

Wiring				Operating Mode/Function	
Brown (Input 1)	Blue (Input 2)	Black (Input 3)	Gray (Input 4)	Non-Audible	Audible
X				Flashing at 1 Hz	Flashing at 1 Hz
	X			Steady	Steady
		X		Intensity Sweep	Intensity Sweep
X		X		Flashing at 5 Hz	Flashing at 5 Hz
X	X			Flashing at 0.5 Hz	Flashing at 0.5 Hz
	X	X		Strobe	Strobe
X	X	X		3-pulse Strobe	3-pulse Strobe
			X	Off	Audible Continuous
X			X	Flashing at 1 Hz	Flashing at 1 Hz, Audible Continuous
	X		X	Steady	Steady, Audible Continuous
		X	X	Intensity Sweep	Intensity Sweep, Audible Continuous
X		X	X	Flashing at 5 Hz	Flashing at 5 Hz, Audible Continuous
X	X		X	Flashing at 0.5 Hz	Flashing at 0.5 Hz, Audible Continuous

Table 1: Default Configuration (Continued) (Sheet 2 of 2)

Wiring				Operating Mode/Function	
Brown (Input 1)	Blue (Input 2)	Black (Input 3)	Gray (Input 4)	Non-Audible	Audible
	X	X	X	Strobe	Strobe, Audible Continuous
X	X	X	X	3-pulse Strobe	3-pulse Strobe, Audible Continuous

Specifications

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Leakage Current Immunity

600 µA

The use of relay output PLC is recommended since there is no leakage current. Solid state output PLCs often have leakage current above 1 mA and, therefore, turn the light on in the off state. To counteract the leakage current, a shunt resistor must be used. A resistor must be applied from the neutral wire of the device to the hot wire of each channel of the device.

Indicator Response Time

On Response: 625 ms (maximum)

Off Response: 50 ms (maximum)

Connections

Integral 5-pin 1/2 in. 20UNF male quick-disconnect connector

Models with a quick disconnect require a mating cordset

Mounting

M36 by 2.0 threaded base, maximum torque 5.0 N·m (44 inch-lbf)

Interior 3/4-14 NPT Thread

Mounting nut included

Adjacent Unit Mounting Separation Distance

Minimum: 0 in (mounted with unit flanges touching)

Supply Voltage and Current

100 V AC to 240 V AC, 50 Hz to 60 Hz

Maximum current (mA AC at 60 Hz):

Voltage	Steady On, Flash, or Strobe	
	Light Only	Light & Audible
100	65	75
240	45	50

Default Indicator Characteristics

Color	Dominant Wavelength (nm) or Color Temperature (CCT)	Color Coordinates ^a		Lumen Output (Typical at 25 °C)
		x	y	
Green	528 nm	0.1603	0.6973	200
Yellow	589 nm	0.5557	0.4276	200
Red	625 nm	0.6999	0.2982	93
Blue	475 nm	0.1167	0.1121	60
White	5500K ± 250	0.3320	0.3433	240

a. Refer to CIE 1931 chromaticity diagram or color chart, to show equivalent color with indicated color coordinates.

Internal temperature compensation circuitry: Reduces the Lumen Output to decrease the unit internal operating temperature. The amount of reduction is dependent on the ambient operating temperature, supply voltage, color, and/or audible functions being utilized.

Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise.

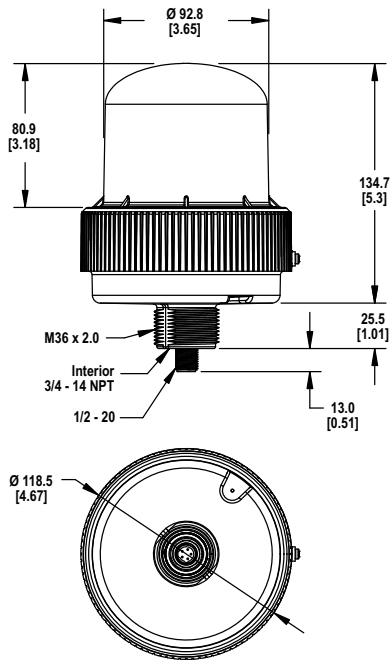


Figure 1: Standard Models

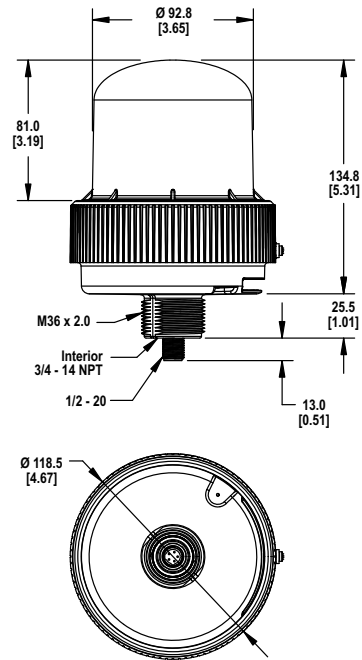


Figure 2: Audible Models

Accessories

Cordsets

All measurements are listed in millimeters, unless noted otherwise.

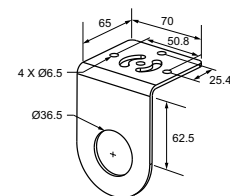
5-Pin 1/2-in Dual Key Cordsets—Single Ended

Model	Length	Style	Dimensions	Pinout
MQAC2-506	2 m (6.56 ft)	Straight		<p>1 = Brown 2 = Blue 3 = White 4 = Black 5 = Gray</p>
MQAC2-515	5 m (16.4 ft)			
MQAC2-530	9.14 m (30 ft)			




Brackets

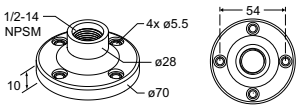
LMB36RA

- Indicator light right-angle mounting
- 36 mm mounting hole
- Stainless steel



Elevated Mount System

Model			Features	Components
Black Anodized Aluminum ¼ in. NPT	Black Anodized Aluminum ½ in. NPT	Clear Anodized Aluminum ½ in. NPT		
SOP-E34-150A 150 mm (6 in) long	SOP-E12-150A 150 mm (6 in) long	SOP-E12-150AC 150 mm (6 in) long	<ul style="list-style-type: none"> Elevated-use stand-off pipe Black anodized aluminum or clear anodized aluminum surface Threaded at both ends Compatible with most industrial environments 	
SOP-E34-300A 300 mm (12 in) long	SOP-E12-300A 300 mm (12 in) long	SOP-E12-300AC 300 mm (12 in) long		
SOP-E34-600A 600 mm (24 in) long	SOP-E12-600A 600 mm (24 in) long	—		
SOP-E34-900A 900 mm (36 in) long	SOP-E12-900A 900 mm (36 in) long	SOP-E12-900AC 900 mm (36 in) long		
SA-M36E12			<ul style="list-style-type: none"> Adapter from M36 thread to 12-14 NPSM thread Streamlined black plastic mounting base adapter/cover Drilled hole 	
SA-M36SOP			<ul style="list-style-type: none"> M36 thread adapter with clearance for ¾ pipe mount Streamlined black plastic mounting base adapter/cover Drilled hole 	

Pipe Mounting Flange			
Model	Features	Construction	
SA-F12	<ul style="list-style-type: none"> Elevated-use stand-off pipes (½ in, NPSM/DN15) M5 mounting hardware and nitrile gasket included 	Die-cast zinc base with black paint	

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Document title: K100 Basic Daylight Visible Beacon - AC Datasheet
 Part number: 232334
 Revision: A
 Original Instructions
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