

Bulletin 855P — Panel Mount Signaling Alarms

Bulletin 855P — Panel Mount Sounder

855P – B 10 ME 22
 a b c d



30 mm Panel Mount Sounder



45 mm Panel Mount Sounder



65 mm Panel Mount Sounder

a	
Housing Color	
Code	Description
B	Black

b	
Voltage	
Code	Description
30	12...24V AC/DC
10	120V AC
20	240V AC

c	
Size	
Code	Description
SE	30 mm, fully enclosed, smooth front, 72 dB
SH	30 mm, high output, 80 dB
ME	45 mm
LE	65 mm

d	
Mounting Hole	
Code	Description
22	22.5 mm

Bulletin 855PC — Panel Mount Combined Sounder with LED Beacon

855PC – B 10 ME 3 22
 a b c d e



45 mm Panel Mount Combined Sounder with LED Beacon



65 mm Panel Mount Combined Sounder with LED Beacon

a	
Housing Color	
Code	Description
B	Black

b	
Voltage	
Code	Description
12	12V AC/DC
24	24V AC/DC
10	240V AC
20	240V AC

c	
Size	
Code	Description
ME	45 mm
LE	65 mm

d	
Lens Color	
Code	Description
3	Green
4	Red
5	Amber
6	Blue
7	Clear
8	Yellow

e	
Mounting Hole	
Code	Description
22	22.5 mm

Specifications (Bulletin 855P)

Panel Sounder and Single/Dual Circuit Panel Sounder with LED

Table 1 - Technical

Attribute		Value
Housing	Base Material	Polycarbonate, black
	Lens	Polycarbonate, red, amber, yellow, green, blue, and clear
Protection class		UL Type 4/4X/13, IP65
Terminals		Plug-in terminal block, up to 2.5 mm ² (14 AWG), IP2X
Operation temperature range		-25...+60 °C (-13...+140 °F)
Storage temperature range		-25...+85 °C (-13...+185 °F)
Mounting		Central mounting for bore holes 22 mm or 30.5 mm with hole adapter kit (Cat. No. 855P-AHA1)
Mounting nut torque		1.7 N•m (15 lb•in)

Table 2 - Electrical

Attribute		Sounder			Sounder with Warning Light	
		65 mm	45 mm	30 mm	65 mm	45 mm
Supply voltage range	12V AC/DC - 50/60 Hz	—	—	—	±10%	±10%
	24V AC/DC - 50/60 Hz	—	—	—	±10%	±10%
	12...24V AC/DC - 50/60 Hz	8...26V AC/DC	8...26V AC/DC	10...26V AC/DC	—	—
	120V AC - 50/60 Hz	50...140V AC	50...140V AC	80...140V AC	±10%	±10%
	230/240V AC - 50/60 Hz	150...260V AC	150...260V AC	180...260V AC	±10%	±10%
Nominal current — single circuit (dual circuit)	12V AC/DC - 50/60 Hz	—	—	—	50 mA (62 mA)	35 mA (48 mA)
	24V AC/DC - 50/60 Hz	57 mA	20 mA	20 mA	73 mA (95 mA)	58 mA (73 mA)
	120V AC - 50/60 Hz	40 mA	40 mA	20 mA	60 mA (52 mA)	40 mA (51 mA)
	230/240V AC - 50/60 Hz	42 mA	42 mA	20 mA	63 mA (52 mA)	42 mA (51 mA)
Turn-on leakage current		≥3 mA	≥3 mA	≥3 mA	≥3 mA	≥3 mA
Sound level, max (average)		105 dB(A) @ 1 m	100 dB(A) @ 1 m	SE: 72 dB(A) @ 1 m SH: 80 dB(A) @ 1 m	103 dB(A) @ 1 m	98 dB(A) @ 1 m
Sound level, min		< 85 dB	< 85 dB	—	< 85 dB	< 85 dB
Sound level adjustment		Stepless	Stepless	—	Stepless	Stepless
Sound main frequency		3300 Hz	3300 Hz	3500 Hz	3300 Hz	3300 Hz
Sound types	Continuous	Yes	Yes	Yes	Yes	Yes
	Pulsing ⁽¹⁾	Yes	Yes	Yes	Yes	Yes
	Alternating frequency ⁽¹⁾	Yes	No	No	Yes	No
Sound selection		Externally by terminal connection				
Weight		65 g (2.3 oz)	35 g (1.2 oz)	25 g (0.9 oz)	85 g (3 oz)	55 g (1.9 oz)

(1) Single Circuit only.

Standards Compliance

- EN/IEC 60947-1
- EN/IEC 60947-5-1
- UL 508
- CSA C22.2 No. 14

Certifications

- cULus Listed (File No. E14840, Guides NKCR, NKCR7)
- CE Marked

Panel Strobe and Single/Two Color LED Lights

Table 3 - Technical

Attribute		Value
Housing	Base Material	Polycarbonate, black
	Lens	Polycarbonate, red, amber, yellow, green, blue, and clear
Protection class		UL Type 4/4X/13, IP2X, IP65
Terminals		Plug-in terminal block, up to 2.5 mm ² (14 AWG), IP2X fingersafe
Operation temperature range		-25...+60 °C (-13...+140 °F)
Storage temperature range		-25...+85 °C (-13...+185 °F)
Mounting		Central mounting for bore holes 22 mm or 30.5 mm with hole adapter kit (Cat. No. 855P-AHA1)
Mounting nut torque		1.7 N•m (15 lb•in)

Table 4 - Electrical

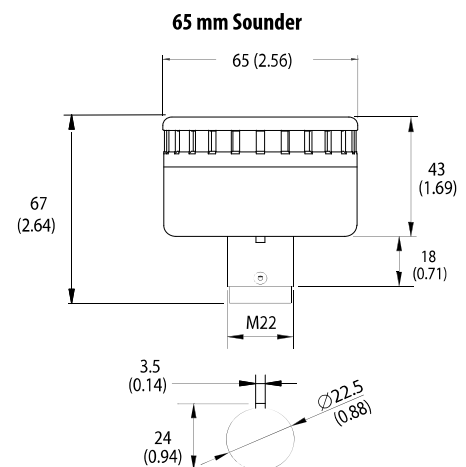
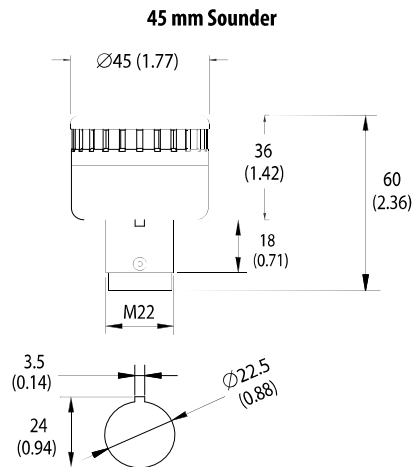
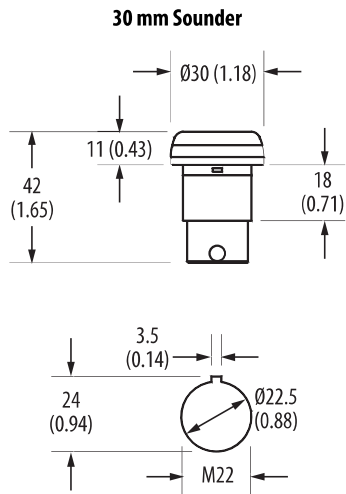
Attribute		LED Beacon — Steady/Flashing			Strobe Light		
		65 mm	45 mm	30 mm	65 mm	45 mm	30 mm
Supply voltage range	12V AC/DC, 50/60 Hz	±10%	±10%	±10%	—	—	±10%
	24V AC/DC, 50/60 Hz	±10%	±10%	±10%	—	—	±10%
	12...24V AC/DC, 50/60 Hz	—	—	—	8...26V AC/DC	8...26V AC/DC	—
	120V AC, 50/60 Hz	±10%	±10%	±10%	±10%	±10%	±10%
	230/240V AC, 50/60 Hz	±10%	±10%	±10%	±10%	±10%	±10%
Nominal current — single circuit (dual circuit)	12V AC/DC, 50/60 Hz	75 mA	60 mA	30 mA	—	—	15 mA
	24V AC/DC, 50/60 Hz	54 mA (full: 71 mA half: 44 mA)	35 mA (full: 46 mA half: 39 mA)	25 mA (full: 28 mA half: 30 mA)	—	—	10 mA
	12...24V AC/DC, 50/60 Hz @ 12V	—	—	—	150 mA	110 mA	—
	12...24V AC/DC, 50/60 Hz @ 24V	—	—	—	140 mA	100 mA	—
	120V AC, 50/60 Hz	25 mA (full: 61 mA half: 41 mA)	25 mA (full: 35 mA half: 35 mA)	20 mA	30 mA	20 mA	10 mA
	230/240V AC, 50/60 Hz	25 mA (full: 61 mA half: 41 mA)	25 mA (full: 35 mA half: 34 mA)	20 mA	20 mA	12 mA	10 mA
Turn-on leakage current		≥3 mA	≥3 mA	≥3 mA	≥3 mA	≥3 mA	≥3 mA
Steady/Flashing light		Externally by terminal connection			—	—	—
Flashing frequency		2 Hz	2 Hz	2 Hz	min. 1.4 Hz	min. 1.4 Hz	min. 1.4 Hz
Light source		LED			Xenon tube		LED
Flash energy		—	—	—	1 J	1.5 J	—
Weight		60 g (2.1 oz)	40 g (1.4 oz)	40 g (1.4 oz)	80 g (2.8 oz)	60 g (2.1 oz)	40 g (1.4 oz)

Approximate Dimensions (Bulletin 855P)

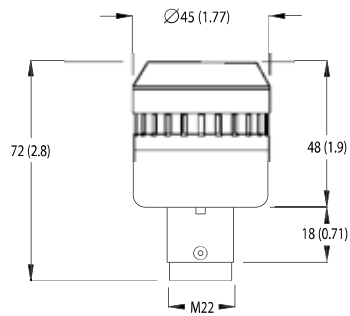
Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

Terminal connector for 30 mm devices adds 14 mm (0.55 in.) to back-of-panel depth

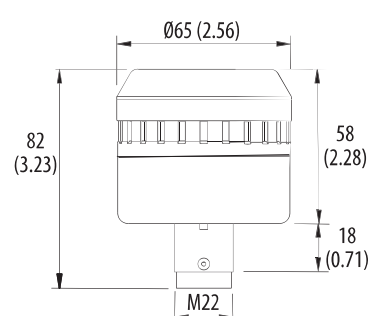
Terminal connector for 45 mm and 65 mm devices adds 9 mm (0.35 in.) to back-of-panel depth



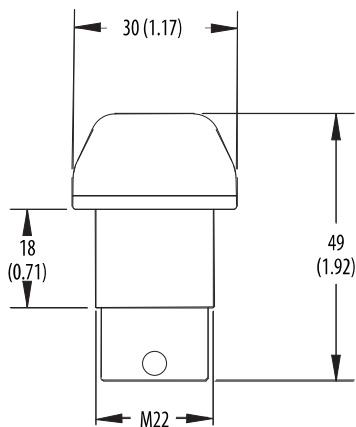
45 mm Combined Sounder with LED Beacon



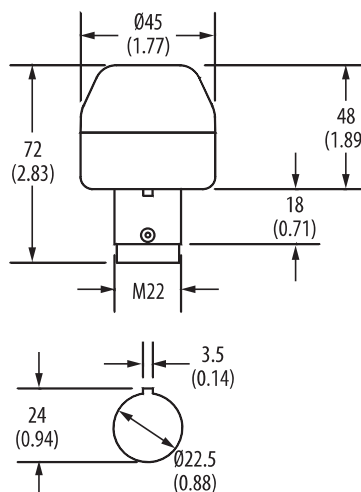
65 mm Combined Sounder with LED Beacon



**30 mm LED
30 mm Strobe**



**45 mm LED
45 mm Strobe**



**65 mm LED
65 mm Strobe**

