

Bulletin 855P — Panel-mount Signaling Alarms

This product line includes sounders, status indicator beacons, xenon strobes, and sounders with status indicator combination, and dual-circuit alarms. These alarms significantly reduce panel space requirements and installation time. Our panel-mount alarms are rear-securing and fingersafe, which adds a high level of environmental integrity to your panel.

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 (Light-emitting Diode) 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	120V 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

Bulletin 855PS — Panel-mount Strobe

855PS — $\frac{B}{a}$ $\frac{10}{b}$ $\frac{ME}{c}$ $\frac{3}{d}$ $\frac{22}{e}$



30 mm Panel-mount Strobe



45 mm Panel-mount Strobe



65 mm Panel-mount Strobe

a	
Housing Color	
Code	Description
B	Black

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

c	
Size	
Code	Description
SE	30 mm ⁽¹⁾ ⁽²⁾
ME	45 mm ⁽³⁾ ⁽⁴⁾
LE	65 mm ⁽³⁾ ⁽⁴⁾

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

- (1) 30 mm units are LED type.
 (2) Only available in 12V AC/DC, 24V AC/DC, 120V AC, or 240V AC.
 (3) 45 mm and 65 mm units are Xenon strobe.
 (4) Only available in 12...24V AC/DC, 120V, or 240V AC.

Bulletin 855PB — Panel-mount Selectable Steady or Flashing LED Beacon

855PB — $\frac{B}{a}$ $\frac{10}{b}$ $\frac{ME}{c}$ $\frac{3}{d}$ $\frac{22}{e}$



30 mm Panel-mount LED Beacon



45 mm Panel-mount LED Beacon



65 mm Panel-mount LED Beacon

a	
Housing Color	
Code	Description
B	Black

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

c	
Size	
Code	Description
SE	30 mm
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

Bulletin 855PD — Panel-mount Dual-circuit Alarms

855PD	—	B	24	ME	F	3	4	22
		a	b	c	d	e	f	g



Half-lens Illumination



Full-lens Illumination



Combined Sounder with LED Beacon

a	
Housing Color	
Code	Description
B	Black

b	
Voltage	
Code	Description
12 ⁽¹⁾	12V AC/DC
24	24V AC/DC
10	120V AC
20	240V AC

c	
Size	
Code	Description
SE	30 mm ⁽²⁾ ⁽³⁾
ME	45 mm
LE	65 mm

d	
Function	
Code	Description
F	2-color, full-lens illumination
H	2-color, half-lens illumination with barrier
C	Combined sounder with LED beacon ⁽³⁾

- (1) Voltage code 12 is only valid for sounder with LED devices.
(2) 30 mm available in 24V AC/DC only, for 2-color versions.
(3) The sounder with LED is not available in the 30 mm size.

e	
LED Color ⁽¹⁾ /Sound	
Code	Description
1	Sound
3	Green
4	Red
5	Amber
6	Blue
7	Clear
8	Yellow

f	
LED Color ⁽²⁾	
Code	Description
3	Green
4	Red
5	Amber ⁽³⁾
6	Blue
7	Clear
8	Yellow ⁽³⁾

g	
Mounting Hole	
Code	Description
22	22.5 mm

- (1) Voltage code 12 is only valid for sounder with LED devices.
(2) For two-color devices, the first color code listed in the cat. no. corresponds to the same side as the panel tab found on the housing. For example: catalog number 855PD-B24MEH4322 indicates that the red color is on the same side as the panel tab and the green color is on the opposite side as the panel tab.
(3) The color combination of yellow and amber is not allowed because of their similarity

Accessories — Bulletin 855P

Description	Cat. No.
22.5...30.5 mm hole adapter kit	855P-AHA1

Specifications — Bulletin 855P

Table 1 - Standards and Certifications

Attribute	Bulletin 855P
Standards Compliance	• EN/IEC 60947-1 • EN/IEC 60947-5-1 • UL 508 • CSA C22.2 No. 14
Certifications	• c-UL-us Listed (File No. E14840, Guides NKCR, NKCR7) • CE Marked

Panel Sounder and Single-/Dual-circuit Panel Sounder with LED

Table 2 - Technical

Attribute	Bulletin 855P
Housing	Base Material
	Polycarbonate, black
Protection class	Lens
	Polycarbonate, red, amber, yellow, green, blue, and clear
Terminals	UL Type 4/4X/13, IP65
Operation temperature range	Plug-in terminal block, up to 2.5 mm ² (14 AWG), IP2X
Storage temperature range	-25...+60 °C (-13...+140 °F)
Mounting	-25...+85 °C (-13...+185 °F)
Mounting nut torque	Central mounting for bore holes 22 mm or 30.5 mm with hole adapter kit (catalog number 855P-AHA1)
	1.7 N·m (15 lb·in)

Table 3 - 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 (3.3 ft)	100 dB(A) @ 1 m (3.3 ft)	SE: 72 dB(A) @ 1 m (3.3 ft) SH: 80 dB(A) @ 1 m (3.3 ft)	103 dB(A) @ 1 m (3.3 ft)	98 dB(A) @ 1 m (3.3 ft)
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.

Panel Strobe and Single/Two Color LED Lights

Table 4 - Technical

Attribute		Bulletin 855P
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 5 - 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	1.4 Hz (min)	1.4 Hz (min)	1.4 Hz (min)
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

