

Environmental Control Unit Accessories

Typical Applications

Model RAH, RAB & ERAB Alarm Beacons and Horns are intended to provide local alarms for unit faults, high temperatures, loss of pressurization or ventilation and other situations that require immediate attention from local operators and maintenance staff members. They work in conjunction with any Bebcos Environmental Controls Unit, and may also serve as common alarms for other equipment.

RAH-1 Horn Description

Model RAH-1 horns provide an electrically generated audible alarm. Corrosion resistance is achieved with a copper-free cast aluminum housing, and this horn features a vibrating stainless steel diaphragm. The horn is rated for Class I or II, Division 1 or 2 hazardous locations, can be pendant or wall mounted and features a 3/4" female conduit port. The horn has a 100 dBA output at a distance of 10' with a 5 minute duty cycle, and the 120 VAC and 240 VAC versions feature an internally mounted volume control for field adjustment.

RAH-2 Horn Description

Model RAH-2 horns produce sound by the electro-mechanical vibration of a stainless steel diaphragm. The housing is water and dust-tight, making it suitable for indoor or outdoor use. The horn can be pendant or wall mounted and features a die-cast zinc housing with a corrosion-resistant polyurethane finish. This horn is rated for Class I & II, Division 2 hazardous locations, produces 100 dBA at a distance of 10', produces sustained or coded tones, and includes a fused terminal block connection.

RAB-1 Beacon Description

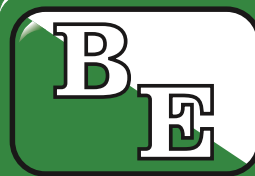
Model RAB-1 beacons provide visual alarms at 80 high-intensity flashes per minute. The beacon is formed from cast aluminum with an epoxy finish, is corrosion resistant and features a strobe tube bulb rated for 10,000 hours. The beacon is rated for Class I or II, Division 1 hazardous locations, offered in pendant, wall or ceiling mounting styles with 3/4" female conduit ports and an optional dome guard.

RAB-2 Beacon Description

Model RAB-2 has an LED lamp rated for 50,000 hours with 60 high intensity flashes per minute or a steady burn. This beacon is rated for Class I or II, Division 2 hazardous locations, has a 2,000,000 peak candlepower rating. It features a red fresnel lens and dome guard and is available in pendant or ceiling mounting styles.

ERAB-2 Beacon Description

Model ERAB-2 is an economical alternative, has a strobe tube rated for 10,000 hours with 80 high intensity flashes per minute or a steady burn. This beacon is rated for Class I or II, Division 2 hazardous locations, features a red lens and globe guard and is available in a pendant mounting style.



Model RAB & RAH Remote Alarm Devices

Class I, Division 1 & 2 Alarm System Beacons & Horns

Technical Bulletin RAD TB-R0

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**Model RAH-1-P-C
ALARM HORN**



**Model RAB-1-C-C
ALARM BEACON**

*See
mounting
and dome
guard options
on Page 2*



**Model RAH-2-S-C
ALARM HORN**



**Model RAB-2-P-C
ALARM BEACON**



LISTED



CERTIFIED



US LISTED

*Certifications vary
Please see Page 2*



**Model ERAB-2-P-C
ECONOMY ALARM BEACON**

*Contact our factory for optional
Model RAB-1 & RAB-2 dome guards and
alternate Model RAB and ERAB dome colors!*



Bebco Environmental
Hazardous & Industrial Climate Control Solutions

4725 Lawndale • La Marque, Texas 77568

Phone: 1.844.EXP.HVAC • 1.844.397.4822
www.exphvac.com • sales@exphvac.com

Specifications at a Glance

RAH-1

Class I, Division 1 Rating
Cast Aluminum Housing
Die Cast Zinc Grill
1/4" Mounting Holes
3/4" Conduit Entry
8' Pigtail Wiring
UL & cUL Listed & CSA Certified
Class I, Division 1, Groups C & D
Class II, Division 1, Groups E, F & G



RAH-2

Class I, Division 2 Rating
Die Cast Type 4X Zinc Housing
with Polyurethane Finish
1/4" Mounting Holes
(2) 3/4" Conduit Entry
(1) 1/2" Conduit Entry
Terminal Block Wiring
UL & cUL Listed & CSA Certified
Class I, Division 2, Groups A, B, C & D
Class II, Division 2, Groups F & G



RAB-1

Class I, Division 1 Rating
Cast Aluminum Type 4X IP66
Housing with Epoxy Finish
3/4" Conduit Entry
Fresnel Glass Lens
Optional Dome Guard
Screw Terminal Wiring
UL & cUL Listed & CSA Certified
Class I, Division 1 & 2, Groups C & D
Class II, Division 1, Groups E, F & G
Class I, Division 2, Groups A & B



Optional
Model RAD-1-DG
Dome Guard
(order separately)



Pendant
Mount



Wall
Mount



Ceiling
Mount

RAB-2

Class I, Division 2 Rating
Cast Aluminum Type 4X IP66
Housing with Epoxy Finish
3/4" Conduit Entry
Fresnel Glass Lens
Dome Guard
24' Pigtail Wiring
UL & cUL Listed, CSA Certified
Class I, Division 2, Groups A, B, C & D
Class II, Division 1, Groups E, F & G



Pendant
Mount

Ceiling
Mount

*Users may assume this device is suitable for
Class II, Division 2, Groups F & G
Please contact us for more information*

ERAB-2

Class I, Division 2 Rating
Aluminum Type 4X IP66 (dome up)
Housing w/ Polyurethane Finish
3/4" Conduit Entry
Polycarbonate Dome & Fresnel Lens
24' Pigtail Wiring
UL & cUL Listed, CSA Certified
Class I, Division 2, Groups A, B, C & D
Class II, Division 2, Groups F & G



**Manufacturer Installation Instructions are included
with all models and are available upon request!**

IMPORTANT NOTES: All specifications subject to change without notice. Warranty & Liability policies available upon request.

Model Number Designations

Typical Model Number:

RAH - 1 - P - B

Series Model Numbers

RAH - Remote Alarm Horn

RAB - Remote Alarm Beacon

ERAB - Economy Remote Alarm Beacon

Division Ratings

1 - Division 1

2 - Division 2

COMPATIBILITY CHARTS

Mounting Styles	RAH-1	RAH-2	RAB-1	RAB-2	ERAB-2
C - Ceiling			X	X	
P - Pendant	X	*	X	X	X
W - Wall	*	X	X		

Operating Voltages

A - 12-24 VDC					X
B - 24 VDC	X		X	X	X
C - 120 VAC	X	X	X	X	X
D - 240 VAC	X	X	X		X
E - 120-240 VAC				X	
F - 277 VAC				X	

IMPORTANT ORDERING INFORMATION:

Use compatibility charts to determine available product options.

Red X designates 3-4 week availability. All other items are 1-5 days.

Consult Factory for optional dome guards and custom lens colors.

* Suitable for Wall or Pendant Mount, but sold as listed above.

Device Specifications

MODEL RAH-1

Weight & Dimensions: 10.3 Lbs. / 7.625" H x 6.875" D
Mounting Hole Centers: 6.5" on 45° angle
Operating Temperature Range: -13° F - 104° F
Maximum Sound Level & Limitation: 100 dBA at 10 feet w/ 5 Minute Duty Cycle
Internal Volume Control: Featured on 120 and 240 VAC Models
Operating Voltages: 24 VDC @ 1.2 Amps
120 VAC 50/60 Hz @ 0.20 Amps
240 VAC 50/60 Hz @ 0.10 Amps

MODEL RAH-2

Weight & Dimensions: 3.0 Lbs. / 4.53" H x 6.02" W x 3.66" D
Operating Temperature Range: -65° F - 150° F
Maximum Sound Level & Options: 100 dBA at 10 feet w/ Sustained or Coded Tones
Operating Voltages: 120 VAC 50/60 Hz @ 0.18 Amps
240 VAC 50/60 Hz @ 0.09 Amps

MODEL RAB-1

Pendant Mount Weight & Dimensions: 15.9 Lbs / 14.54" H x 8.80" Diam.
Wall Mount Weight & Dimensions: 19.8 Lbs. / 15.48" H x 8.80" Diam. x 14.81" W
Ceiling Mount Weight & Dimensions: 18.4 Lbs. / 14.26" H x 8.80" Diam.
Operating Temperature Range: -67° F - 150° F
Operating Voltages: 24 VDC @ 1.9 Amps (3.0 Amps In-rush)
120 VAC 50/60 Hz @ 1.14 Amps
240 VAC 50/60 Hz @ 1.14 Amps
Flashes/Minute / Strobe Tube Life: 80 / 10,000 Hours

MODEL RAB-2

Weight & Dimensions: 5 Lbs. / 9.25" H x 5.5" Diam.
Operating Temp. Range: -31° F - 104° F
Operating Voltages: 24 VDC @ 0.4 Amps (1.75 Amps In-rush)
120-240 VAC @ 0.21-0.13 Amps (2.00 Amps In-rush)
277 VAC @ 0.13 Amps (9.75 Amps In-rush)
Flashes/Minute / LED Lamp Life: 60 or Steady-Burn / 50,000 Hours

MODEL ERAB-2

Weight & Dimensions: 2 Lbs. / 7.5" H x 5.5" Diameter
Operating Temp. Range: -40° F - 104° F
Operating Voltages: 12-24 VDC @ 1.70-0.70 Amps
24 VDC @ 0.70 Amps (2.0 Amps In-rush)
120 VAC @ 0.21 Amps
240 VAC @ 0.13 Amps
Flashes/Minute / Strobe Tube Life: 80 / 10,000 Hours