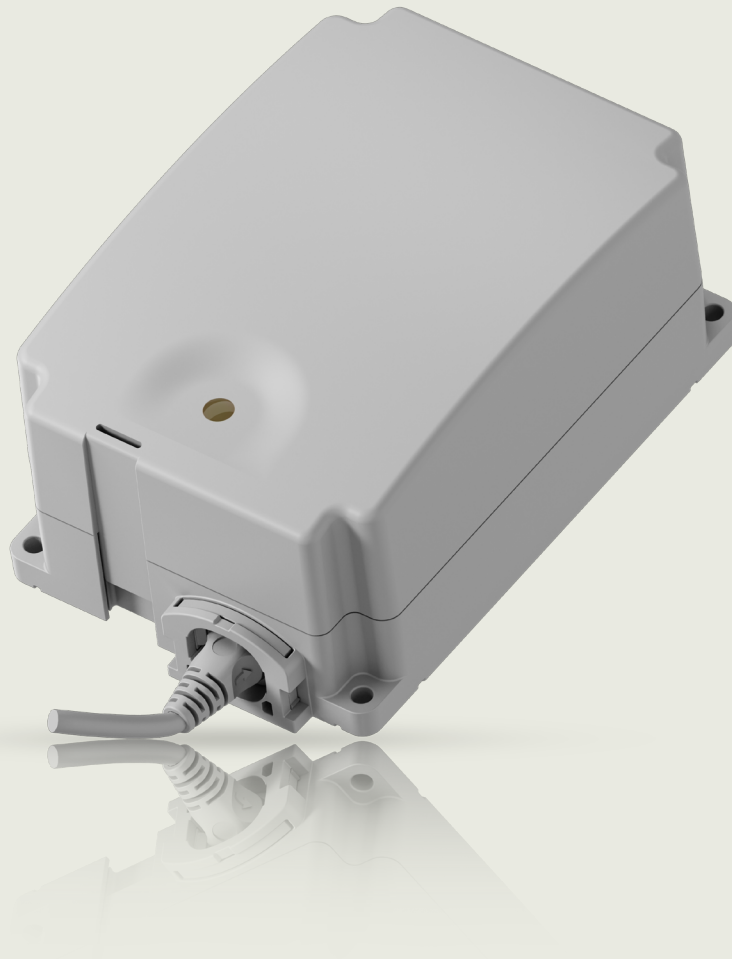


Battery BA16

Data Sheet



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Introduction

The battery box BA16 is developed for use together with the LINAK CA and CO control box series to support power backup.

The BA16 has an intelligent LED indicator that indicates the battery status.

The control box can monitor the voltage of battery in real-time

Features and options

Lead acid technology:	Lead acid
Output voltage:	24 V DC
Max. discharge current:	6 A
Charging current:	300 mA, controlled by BA16 internal charger
Standby power consumption:	<25 μ A/<0.8 mW
Capacity:	1.3 Ah/24 V
Weight:	1513 g
Material:	PP
Housing colour:	Light grey (RAL 7035)
Protection class:	IPX6 Washable DURA™
Packaging:	Multibox
PCP version:	PCP 2.0

Usage

Compatibility:	Battery back-up for COXX and CAXX
Duty cycle:	10%, 2 minutes continuous use followed by 18 minutes not in use
Charging:	Via integrated charger
Charging time:	Approx. 6 hours
Recharging during storage:	Battery recharging no later than 6 months after production
Operating temperature:	+5 °C to +40 °C
Storage temperature:	-10 °C to +50 °C
	The batteries must be stored in an applicable storage room
Relative humidity:	20% to 80% - non-condensing
Atmospheric pressure:	700 to 1060 hPa
Height above sea level:	Max. 3000 meters
Service:	Battery cells cannot be replaced as the battery cover cannot be closed properly afterwards.
Approvals:	IEC60601-1 ANSI/AAMI ES60601-1 CAN/CSA-22.2 No. 60601-1 UL tested in accordance with UL60601-1



LED functionality



LED	Indication of operation
Solid yellow	Charging (battery not ready)
No LED light	Fully charged (battery ready)
Flashing yellow	Error during charging

Buzzer functionality

The buzzer will make a warning when a button on the hand control is pressed and the battery capacity is low.

The buzzer can also be activated by an intelligent control box to signal other conditions. This must be specified in the control box software.

Ordering example

Battery Type	BA16	BA16 = Battery Type	
Colour	1	1 = Grey RAL7035	X = Special
IP Degree	W	W = IPX6 Washable DURATM	
Label	1	1 = Standard BA16 label	X = Custom label
PCBA	2	2 = PCBA(PCP 2.0)	
Battery Type	1	1 = Lead Acid	
Enclosure	1	2 = Standard Enclosure (PP)	
Not Used	0		
Not Used	0		
		Chosen item number: BA161W121100	

Remember to order 4-pole cable for BA16 to control box.



Approvals and certifications

For approval documentation, LINAK recommends specifying the product type instead of individual item numbers to ensure broader approval coverage and simplify future product changes.

Listed LINAK item for application approval: BA16

If this is not possible, we advise being as non-specific as possible when specifying LINAK products in your approval application:

Listed LINAK item for application approval: BA16*S**SSS

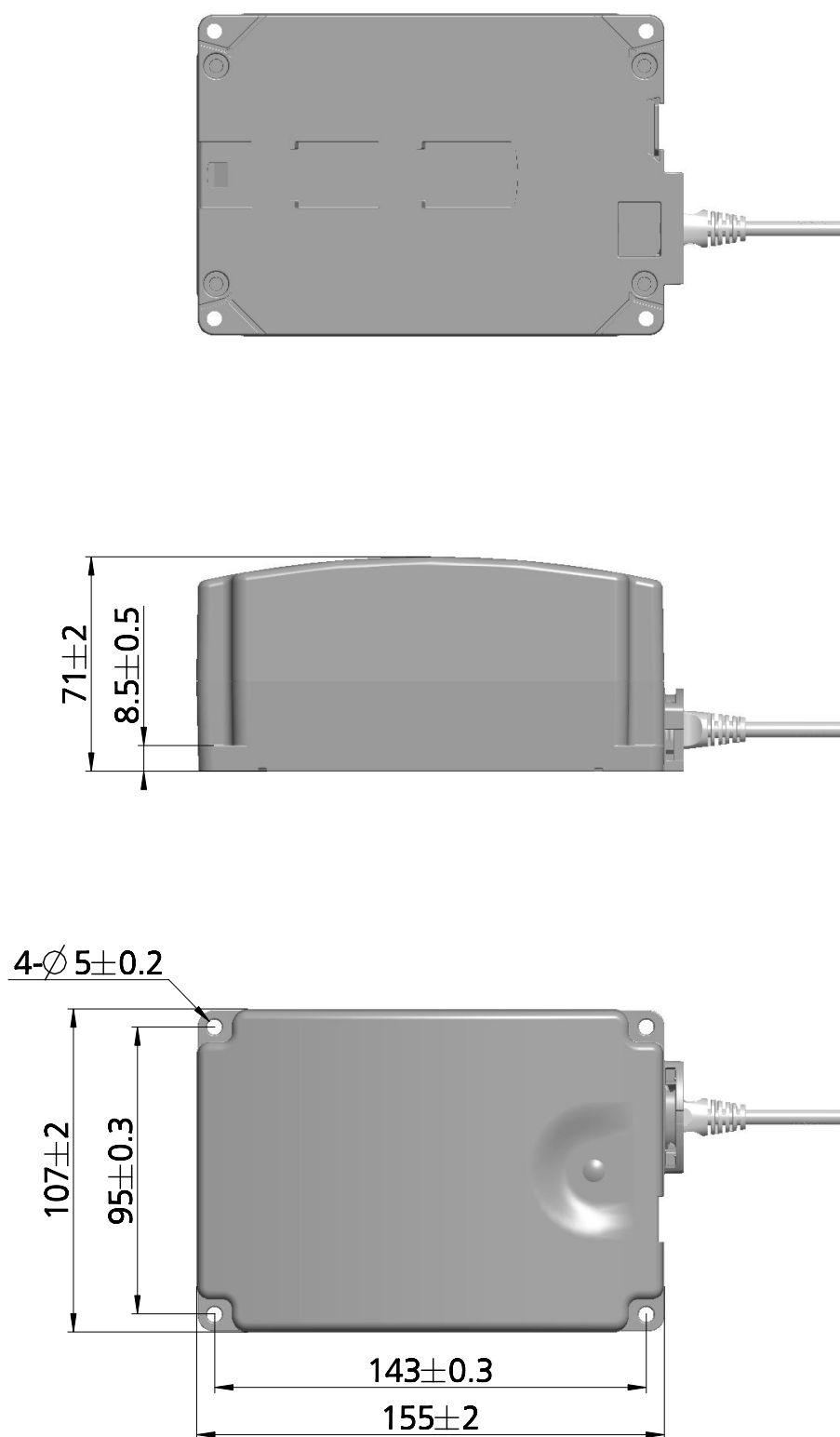
" * " is not safety critical and we recommend including a non-specific signifier such as an asterisk.

" S " is safety critical and represents a listed critical component in the product and cannot be left out.

For more information, please refer to "Approvals and certifications" in LINAK Application Design Recommendations found under User Manual for any given product on LINAK.com



Dimensions



Drawing no. 1049w4002

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