

Battery BA19 Lead Acid

Data Sheet



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Introduction



The BA19 lead acid backup battery has been developed specifically for use with the CA/CO control box platform. It is a compact and cost-efficient battery with built-in charger and cable management.

A further advantage of the BA19 lead acid battery is the functional attachment of the battery by means of the LINAK mounting bracket and a securing screw on the application.

The battery provides charging status information to the control box which makes it possible to receive an indication on OpenBus™ system hand controls.

Features and options

Lead acid technology:	Lead acid
Output voltage:	24 V DC
Max. discharge current:	6 A
Charging current:	300 mA, controlled by BA19 internal charger
Capacity:	1.2 Ah/28.8 Wh
Weight:	1.6 kg
Housing colour:	Light grey (RAL 7035)
Protection class:	IPX6, IPX6 Washable DURA™
Packaging:	Multibox
PCP version:	PCP 2.0



Usage

Compatibility:	Battery backup for CA/CO control box platform
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 date stated on the label
Operating temperature:	+5 °C to +40 °C
Storage temperature:	-5 °C to +40 °C
	The batteries must be stored in an applicable storage room to avoid direct sunlight
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 (pending):	IEC60601-1:2005 3rd edition, ANSI/AAMI ES60601-1: 2005, 3rd edition, CAN/CSA-22.2 No. 60601-1:2008

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

B A 1 9 1 6 1 1 1 1 0 0

NOT USED

NOT USED

ENCLOSURE

1 = Standard Enclosure (PP)

BATTERY TYPE

1 = Lead Acid

PCBA

2 = Digital PCBA (PCP 2.0)

LABEL

1 = Standard BA19 label

X = Custom label

IP DEGREE

6 = IPX6

W = IPX6 Washable DURA™

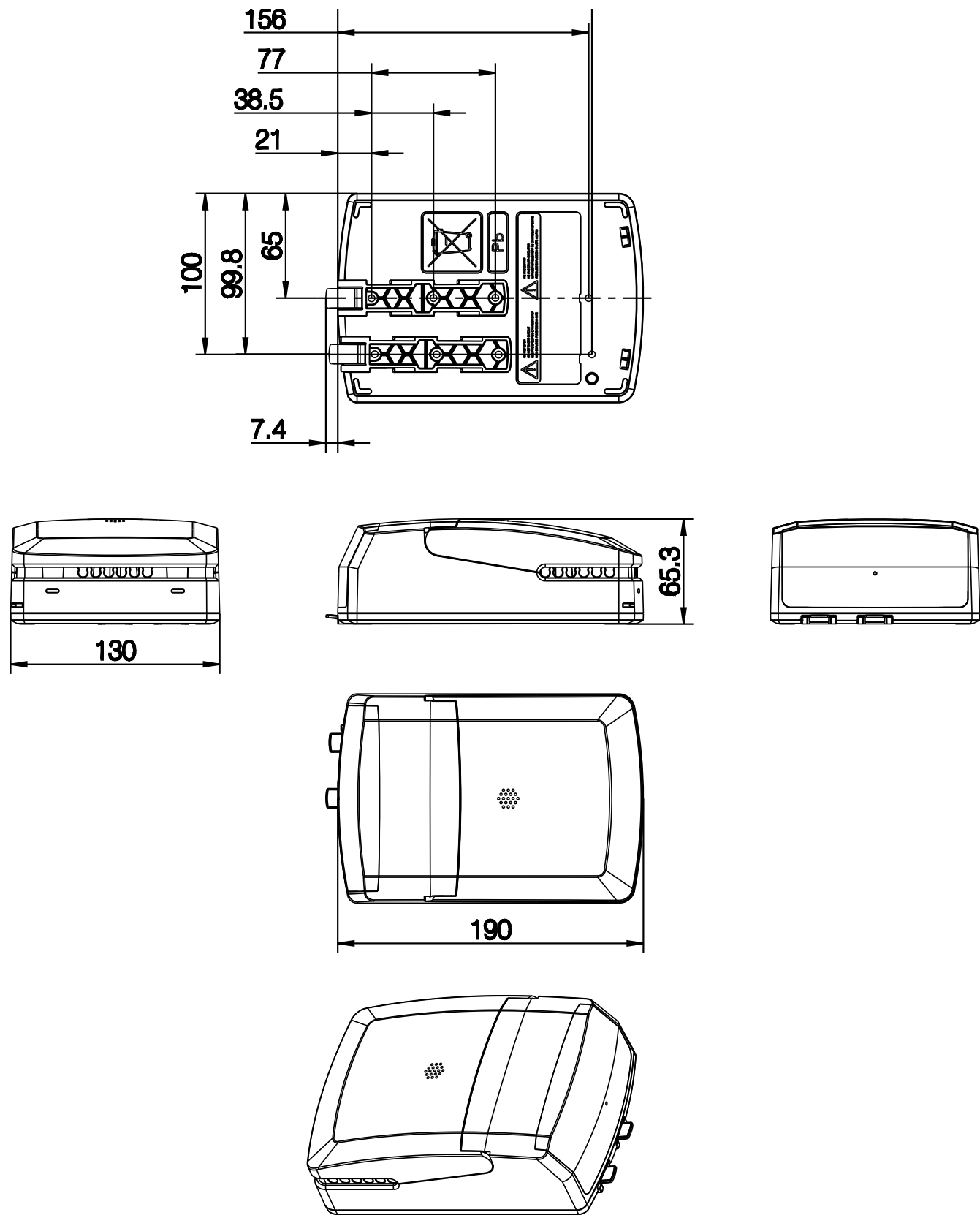
COLOUR

1 = RAL7035

BA19 Article



Dimensions



Drawing no. 1020w4001

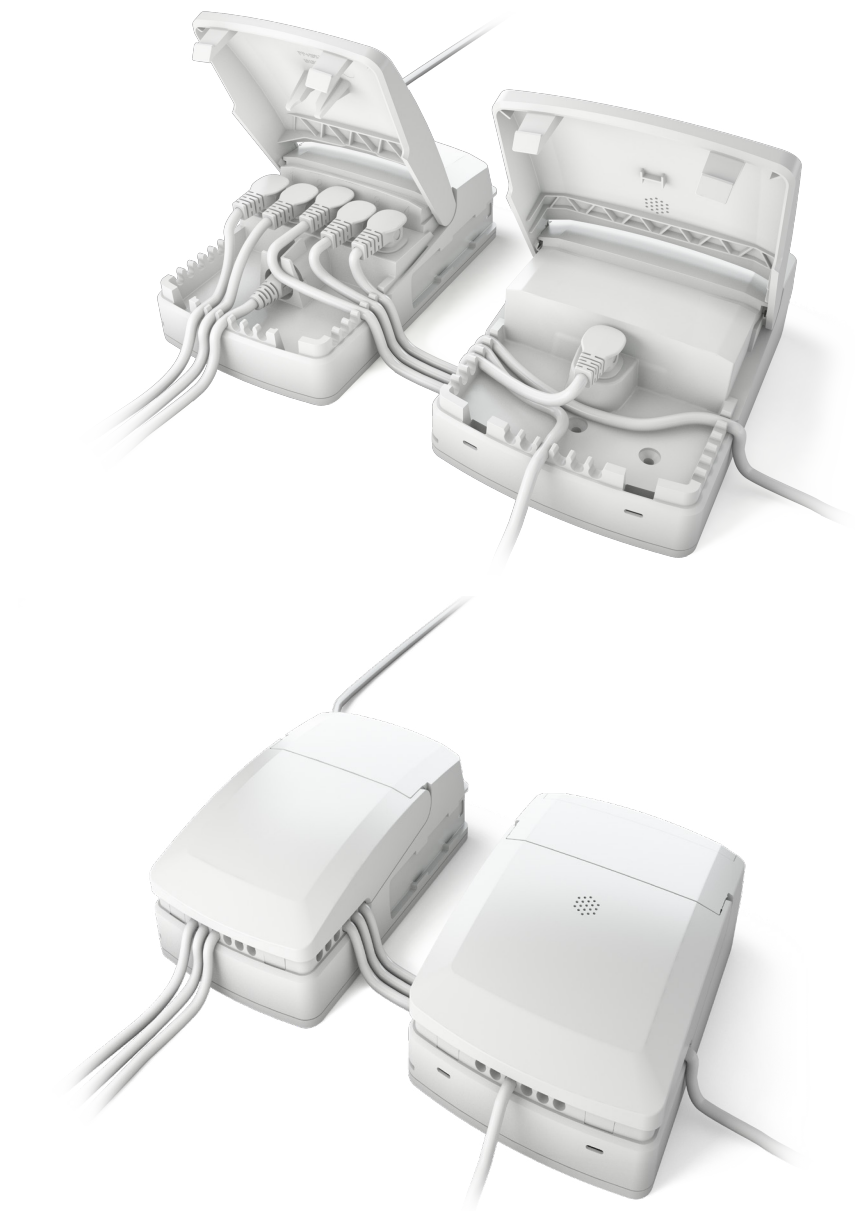


BA19 mounting possibilities

Battery mounted on plate with control box



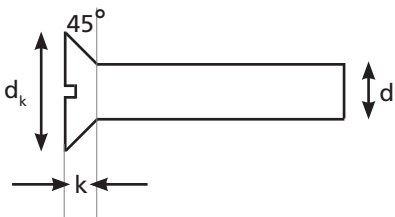
Cable management



Mounting instructions



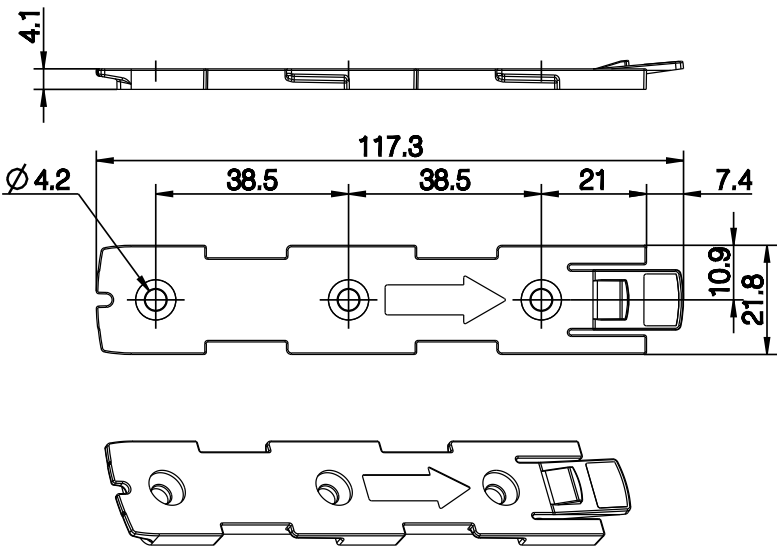
BA19 must be mounted with attachment screw and mounting bracket (see below) due to the battery weight.
Screw M4 countersunk torque 1.1Nm +/- 0.1Nm.



d	M4
d _k	8.4
k	2.7

According to ISO 2009

Mounting bracket (frame flat)
Article no. 1015W1001



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