Battery Boxes\Enclosures

BATB family

BOSCH

1   Safety

> ⚠ **Caution!**
> Ensure that the battery box\enclosure has a proper earth ground.

> ⚠ **Caution!**
> Weight Hazard
> The combined weight of the battery box with a maximum of four batteries can be as much as 140 lb (63.5 kg). Select a mounting location and mounting hardware sufficient to support the weight of the battery box and batteries.

2   Description

As a battery box
As a battery box, the BATB-40 houses two 12 V batteries and can house two additional batteries by attaching the optional BATB-SHELF. The BATB-80, which is composed of the BATB-40 and the BATB-SHELF, holds four batteries.
These batteries can be of the following types:
–   Gel-cell
–   Nicad
–   Sealed Lead-acid
–   Wet-cell
The following Bosch Security Systems, Inc. batteries will fit inside these battery boxes:
–   D126 12 V, 7 Ah Battery
–   D1213 12 V, 1.3 Ah Battery
–   D1218 12 V, 18 Ah Battery
–   D1222 12 V, 2.2 Ah Battery
–   D1224 12 V, 24 Ah Battery
–   D1238 12 V, 38 Ah Battery
–   D1240 12 V, 4 Ah Battery
–   D1250 12 V, 5 Ah Battery

> ⚠ **Caution!**
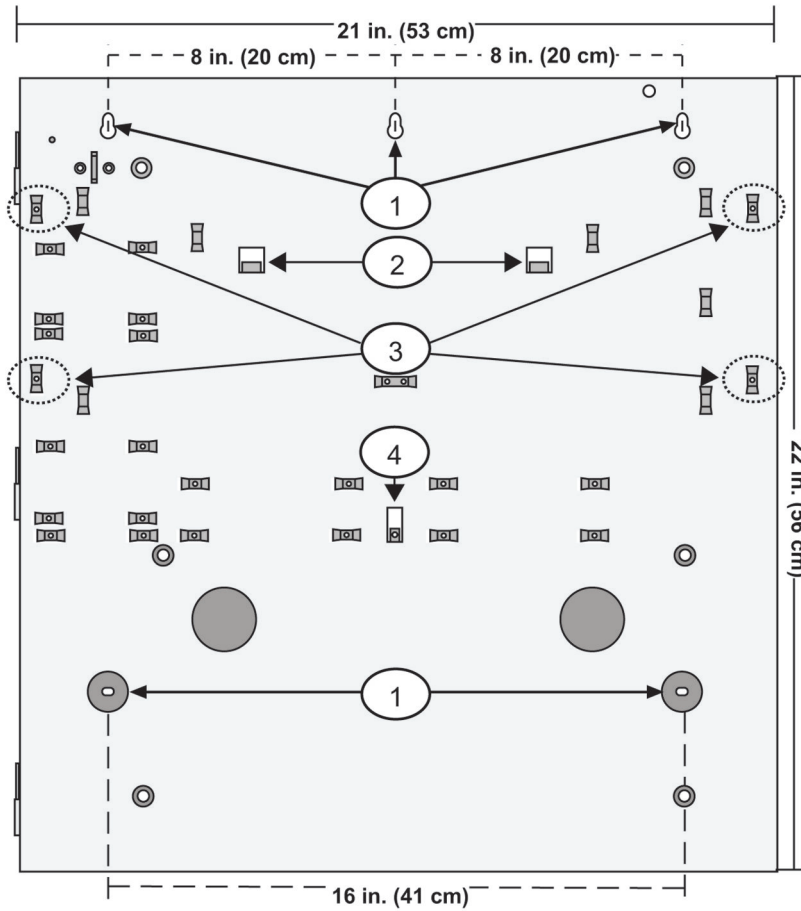> When using more than one battery in a battery box, each battery must be of the same voltage, rating, and type.

As an enclosure
As a UL Listed enclosure, the GV4 series control panels can be mounted in the BATB-40 or the BATB-80 with the shelf removed.

> ℹ **Notice!**
> The BATB-SHELF cannot be installed when the BATB-40 or BATB-80 are used as enclosures for control panels. Whether or not a battery or batteries can be placed within the enclosure is dependent on battery size.

For an illustration of the BATB-40, see the following figure:

1	Battery box mounting holes (5)	3	Mounting locations for optional battery shelf
2	Mounting skirt hooks	4	Skirt mounting hole

3   Installation

3.1   Mounting the Battery Box\Enclosure

Caution!
Ensure that the battery box\enclosure has a proper earth ground.

Before installing the enclosure:
– Determine the total weight of the enclosure with the modules and batteries to be installed. Choose a mounting location and surface that can support this weight, and select appropriate mounting hardware.
– Ensure that the environmental conditions of the mounting location comply with the technical specifications listed.

- Ensure that there is sufficient room to open the cabinet door fully, and to easily install, wire and maintain the components within the enclosure.

Once a suitable mounting location is selected and prepared:

- Remove the door by lifting it up and off the hinges.
- On the mounting surface, mark the location of the three mounting holes at the top of the battery box.
- Partially drill the marked holes in the mounting surface.
- Using appropriate hardware, attach the battery box\enclosure to the mounting surface.
  - When mounting to wooden studs, use lag bolts.
  - When mounting to cement, use concrete anchors.
- After the top is fastened, partially drill the two holes at the bottom of the battery box \enclosure and attach it to the mounting surface using the appropriate hardware.
- Attach the door by sliding it down over the hinges.
- Remove the lockset knockout from the front door and attach the cabinet lock.

3.2   Mounting a control panel

For instructions on mounting a control panel within the enclosure, refer to the specific control panel's *Installation Instructions*.
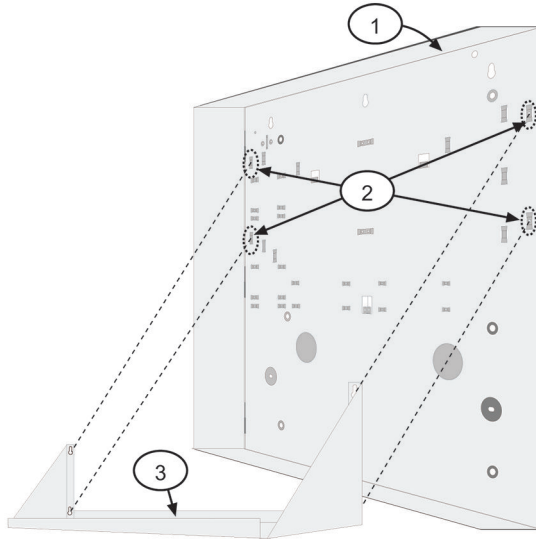
3.3   Mounting the Battery Shelf

> **Notice!**
> The BATB-SHELF cannot be installed when the BATB-40 or BATB-80 are used as enclosures for control panels. Whether or not a battery or batteries can be placed within the enclosure is dependent on battery size.

For locations specified in the following instructions, see the following figure.

- Position the battery shelf on the metal stand-offs to ensure that the shelf clears the lock assembly located on the door.
- Partially attach the four supplied screws into the holes in the stand-offs.
- Hang the shelf from the four screws and ensure that the shelf is level.
- Tighten all four screws to secure the shelf to the battery box.

1	Battery box	3	Shelf
2	Stand-offs		

4   Specifications

Battery Box Capacities

Battery Area total dimensions (HxWxD)	
– BATB-40 without shelf:	22 in. x 21 in. x 7.25 in. (55.8 cm x 53 cm x 18.4 cm)
– BATB-80 bottom:	~14 in. x 21 in. x 7.25 in. (~35.6 cm x 53 cm x 18.4 cm)
– BATB-80 on shelf:	~8 in. x 21 in. x 7.25 in. (~20.3 cm x 53 cm x 18.4 cm)
Number of batteries	
– BATB-40 without shelf:	2 batteries maximum
– BATB-40 with shelf and BATB-80:	4 batteries maximum
Weight	
– Total with batteries:	140 lb (63.5 kg)
– On shelf:	50 lb (22.6 kg)

Environmental

Environment:	Indoor, dry

Mechanical

Compatible Accessories		
– D101	Lock and Key set	
– D102	Replacement key (#1358)	
Color:	Red	
Dimensions (HxWxD):	22 in. x 21 in. 7.5 in. (56 cm x 53 cm x 19 cm)	
Weight:	27.5 lb (12.5 kg)	
Weight Capacity:	140 lb (63.5 kg) maximum	