

BW TECHNOLOGIES BY HONEYWELL

GasAlertMicro Charger II Instruction Sheet

Introduction

The GasAlertMicro Charger II ("the charger") charges the GA MicroBatt rechargeable battery pack. It is expandable to charge up to six units at one time and can be easily mounted onto a secure surface.

Standard GasAlertMicro Charger II kit includes:

- GasAlertMicro Charger II unit
- Universal power adapter
- Power cord
- Wall mounting kit
- Back plate for adding additional units
- Instruction sheet

Table 1. Order Numbers

Model No.	Description
GAMIC-C05*	Standard charger kit
GAMIC-C05-K*	Standard charger kit with battery pack

*Add suffix (-UK) for United Kingdom mains plug, (-EU) for European mains plug, (-CH) for Switzerland mains plug, (-AU) for Australian mains plug.

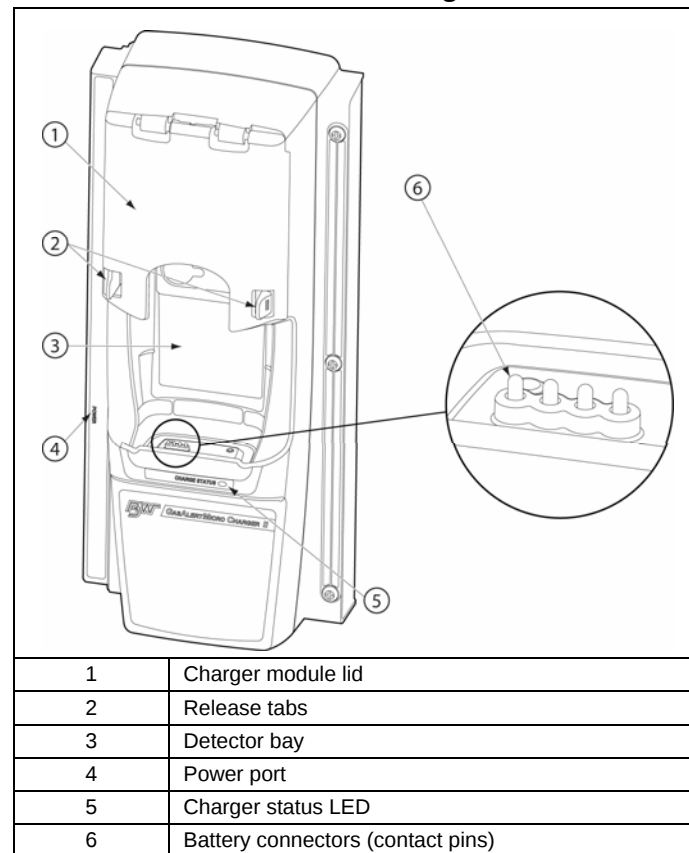
⚠ Safety Information - Read First

- ⇒ For indoor use only.
- ⇒ *Warning:* Substitution of components may impair Intrinsic Safety of the detector under charge.
- ⇒ Do not charge the battery pack with any other unapproved charger. Do not use the charger, change the batteries, or charge the batteries in a hazardous location. Failure to observe these precautions will impair the Intrinsic Safety of the detector and can lead to fire and/or explosion.
- ⇒ Do not expose the charger to electrical shock or severe continuous mechanical shock.
- ⇒ Ensure the battery pack is locked in place before operating the detector.
- ⇒ If the charger is damaged or parts are missing, contact [BW Technologies by Honeywell](http://www.bwtechnologies.com) immediately.
- ⇒ To eliminate the risk of electrical shock, unplug the charger whenever cleaning or other maintenance is required.
- ⇒ Avoid touching the detector bay contact pins.
- ⇒ Use only BW approved batteries. Do not use alkaline or other non-rechargeable batteries with this charger.
- ⇒ The detector must be deactivated before charging.
- ⇒ Do not calibrate the detector during or immediately after charging is complete.

Table 2. International Symbols

Symbol	Meaning
	Approved to both U.S. and Canadian Standards by the CSA International
	Caution – risk of danger
	dc current

Parts of the GasAlertMicro Charger II



D5755/3
iERP: 124281

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Adding Another Charger

⚠ Warning

Maximum of six chargers can be connected together.

To add another charger, refer to Table 3, Figures 1, 2, and 3, and complete the following procedures:

1. Deactivate the charger.
2. Remove the power cord from the POWER port.
3. Remove the end plate. There are three Phillips screws on the front and three Philips screws on the back.
4. Attach the new charger. Ensure the charger connectors are inserted correctly.

Note

Only one charger can be connected at a time.

5. When all of the chargers have been connected, attach the end plate to the last charger using the Phillips screws.
6. A bottom cover plate must be attached to connect every two chargers together to ensure stability of the units. Refer to Figure 3. Use six Phillips flat-head screws for each bottom cover plate.

Table 3. Adding Another Charger

Item	Description
1	Phillips pan-head screw
2	End plate
3	Charger connectors
4	Phillips flat-head screw
5	Bottom cover plate

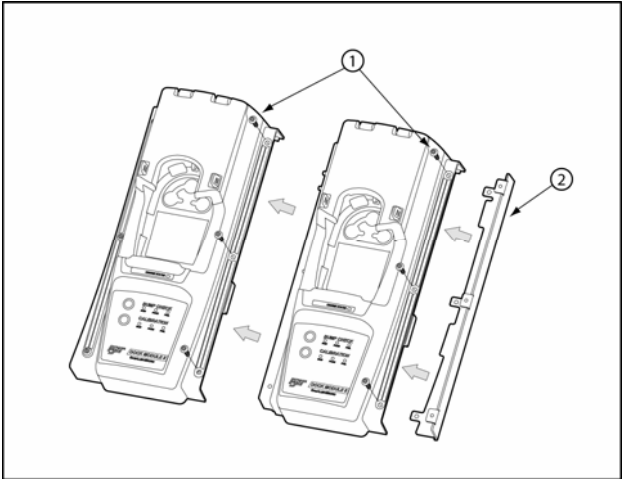


Figure 1. Adding Another Charger (Top)

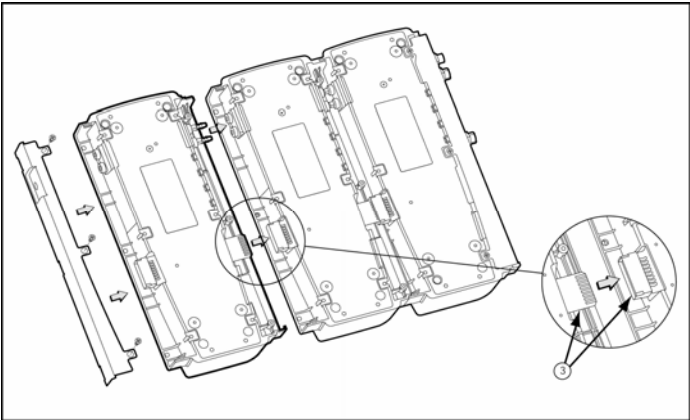


Figure 2. Adding Another Charger (Bottom)

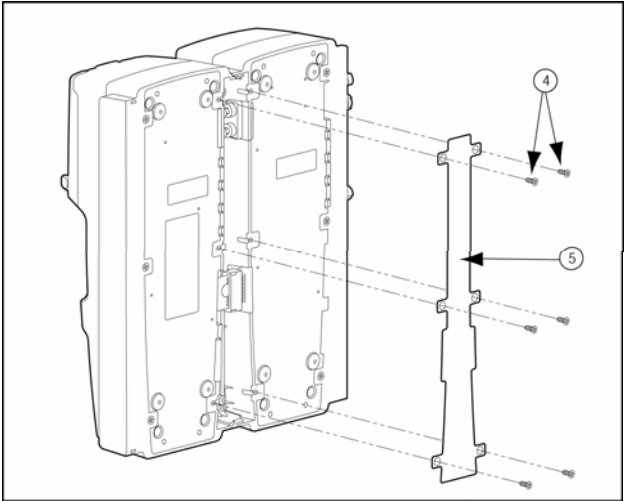


Figure 3. Attaching the Bottom Cover Plate

Mounting the Charger

The charger can be easily mounted onto a secure surface. To mount the charger, refer to Table 4, Figures 4 and 5, and complete the following procedures:

1. Select a secure location for the charger to be mounted.
2. Using the screws provided, attach the wall mounting plates to the charger. Refer to Figure 4 and Figure 5.

Note

When mounting two or more chargers, an individual wall mounting plate is required for each charger that is mounted.

3. **One Charger:** When the plates are mounted, measure a distance of 2.38 in. (60.32 mm) to install the retaining screws.
Multiple Chargers: If two or more chargers (that are attached together) are being mounted, measure a distance of 1.64 in. (41.70 mm) between each charger.

Note

As there are a variety of surfaces that the charger can be mounted to, retaining screws are not provided.

- Use four retaining screws to attach the charger to the surface.

⚠ Caution

Do not over torque the screws. Apply a maximum of 9 to 10 in-lbs torque.

Table 4. Mounting the Charger

Item	Description
1	Foam spacer
2	Wall mounting plate
3	Grommet
4	Phillips self-tapping screw

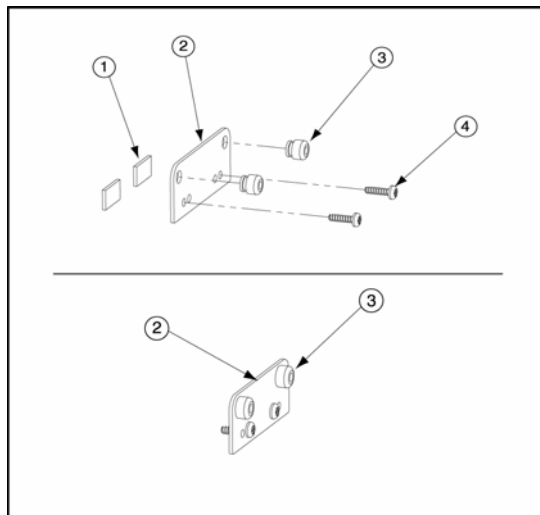


Figure 4. Parts of the Wall Mounting Plate

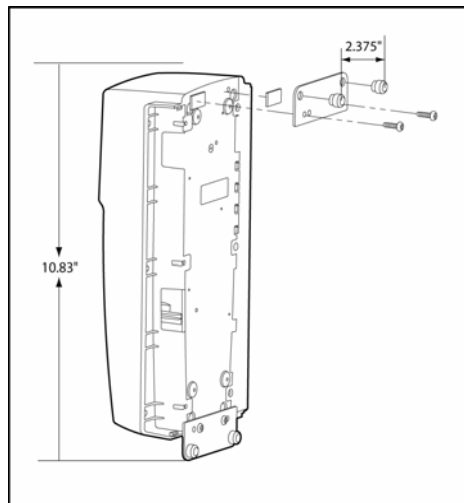


Figure 5. Attaching the Wall Mounting Plate

Charging

⚠ Warning

To charge successfully, the temperature must be between 50°F to 95°F (10°C to 35°C). If the detector emits a low battery alarm, charge the battery immediately.

When charging a new battery for the first time, ensure that the battery pack is fully charged before use (approximately 3.5 hours).

Table 5. Charger Status LED

Charger Status	Description
Red	Charging normally
Green	Charge complete
Off	Charger or temperature fault, battery pack not inserted, or power is not applied to the charger

Note

When charging is complete, the detector can remain in the charger without damage to the battery.

Charging the battery pack in temperatures above 86°F (30°C) greatly reduces the life of the battery pack.

The battery pack may be hot immediately after charging.

A new battery pack requires approximately three charges to achieve a full charge capacity.

Charging an extremely depleted battery, or charging more than four units at one time, increases the time that is required to charge.

When a fully charged battery is inserted into the docking bay, the charger LED lights red for 6 to 10 minutes and then changes to green. This will not damage the battery.

Charging the GA MicroBatt Rechargeable Battery Pack

To charge the GAMicroBatt rechargeable battery pack complete the following procedures:

- Insert the power cord into the charger port.
- Plug the power cord into a Vac outlet. The charger LED lights red then green as it performs a self-test. When the test is complete, the LED deactivates.

Note

For mains plugs outside of North America, connect the universal power adapter to the power cord.

- Deactivate the detector.
- Insert the detector into the docking bay bottom first. Ensure the bottom of the detector is inserted correctly onto the contact pins.

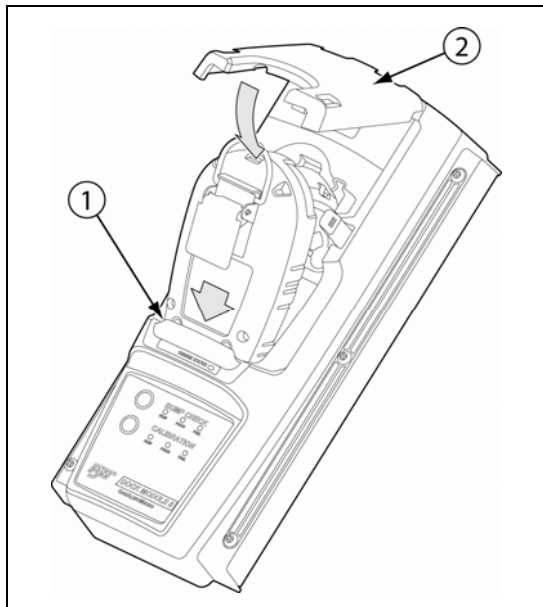


Figure 6. Inserting the Detector into the Charger

5. Close the charger lid and press until the release tabs click.
The charger emits a confirmation beep and the LED lights red to indicate charging is in progress.
6. Allow the battery to charge fully (approximately 3.5-8 hours depending upon the number of detectors being charged).
The LED changes to green when charging is complete.
When the detector is removed from the charger, the LED deactivates.

Troubleshooting

If a problem occurs, refer to the following solutions. If the problem persists, contact [BW Technologies by Honeywell](#).

Table 6. Troubleshooting Guide

Problem	Possible Cause	Solution
The charger status LED does not light when the detector is inserted.	The detector is not inserted correctly.	Firmly insert the detector in the detector bay.
	Damaged or defective battery pack.	Contact BW Technologies by Honeywell .
There is no audible beep.	Internal damage to battery or charger.	Contact BW Technologies by Honeywell .
There is an audible beep, but battery does not charge.	The battery is above or below the operating temperature.	Leave the detector in the charger. When the battery reaches room temperature, charging will begin (approx. 1 hour).
	Severely depleted battery.	Contact BW Technologies by Honeywell .
	Damaged or defective battery pack.	Contact BW Technologies by Honeywell .

Maintenance

⚠ Warning

No user-serviceable parts inside.

To maintain the charger in good operating condition, perform the following basic maintenance as required.

- Clean the exterior with a soft, damp cloth. Do not use solvents, soaps, or polishes.
- Do not immerse the charger in liquids.

Battery Pack Storage

When stored for extended periods of time, ensure the battery is fully charged and then recharged every 30 days.

Replacement Parts and Accessories

⚠ Warning

To avoid personal injury or damage to the charger, use only the specified replacement parts.

Table 7. Replacement Parts and Accessories

Model No.	Description	Qty
WMA-DOCK	Wall mounting kit	Kit of 2
GAMIC-BAT-03	Rechargeable battery pack	1
D5755/3	Instruction sheet	1
DOCK-CPLATE-K	Bottom cover plate kit	1
GAMIC-V-CHRG3*	Vehicle charger adapter	1

*Add suffix (-UK) for United Kingdom mains plug, (-EU) for European mains plug, (-CH) for Switzerland mains plug, (-AU) for Australian mains plug.

Specifications

Size: 87.00 x 83.97 x 80.80 mm (3.4 x 3.3 x 3.2 in.)

Weight: 425.4 g (15 oz.)

Operating temperature: 10°C to 35°C (50°F to 95°F)

Humidity: 0 to 50%

Altitude: 2000 m (6561.66 ft.)

Power: 6 Vdc , 1.0 A

Charger status LED: Color-coded LED advises the following: charging, charging complete, and charger fault

Charge time: Typically 3.5 hours

Battery life: Typically 300 charges

Pollution degree: 2

Installation category: I

Certifications: Approved to both U.S. and Canadian standards for CSA International for use in ordinary locations.

This device complies with the FCC Part 15 and ICES-003 Canadian EMI requirements. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and
- 2. this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules and ICES-003 Canadian EMI requirements. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.

⚠ Warning

This product is designed for installation in an indoor location only. All required National Electrical Codes and Safety Standards must be followed.

Contacting BW Technologies by Honeywell

To contact BW Technologies by Honeywell call:
USA: 1-888-749-8878
Canada: 1-800-663-4164
Europe: +44 (0) 1295 700300
Other countries: +1-403-248-9226

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Warranty

LIMITED WARRANTY & LIMITATION OF LIABILITY

BW Technologies LP (BW) warrants this product to be free from defects in material and workmanship under normal use and service for a period of two years, beginning on the date of shipment to the buyer. This warranty extends only to the sale of new and unused products to the original buyer. BW's warranty obligation is limited, at BW's option, to refund of the purchase price, repair, or replacement of a defective product that is returned to a BW authorized service center within the warranty period. In no event shall BW's liability hereunder exceed the purchase price actually paid by the buyer for the Product.

This warranty does not include:

- a) fuses, disposable batteries or the routine replacement of parts due to the normal wear and tear of the product arising from use;
- b) any product which in BW's opinion, has been misused, altered, neglected or damaged by accident or abnormal conditions of operation, handling or use;
- c) any damage or defects attributable to repair of the product by any person other than an authorized dealer, or the installation of unapproved parts on the product; or

The obligations set forth in this warranty are conditional on:

- a) proper storage, installation, calibration, use, maintenance and compliance with the product manual instructions and any other applicable recommendations of BW;
- b) the buyer promptly notifying BW of any defect and, if required, promptly making the product available for correction. No goods shall be returned to BW until receipt by the buyer of shipping instructions from BW; and
- c) the right of BW to require that the buyer provide proof of purchase such as the original invoice, bill of sale or packing slip to establish that the product is within the warranty period.

THE BUYER AGREES THAT THIS WARRANTY IS THE BUYER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BW SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, WHETHER ARISING FROM BREACH OF WARRANTY OR BASED ON CONTRACT, TORT OR RELIANCE OR ANY OTHER THEORY.

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