



HA-CH01

Operating Instructions



Manufacturer:
COMMERCIAL ELECTRONICS
264 HAYDONS ROAD, WIMBLEDON, LONDON SW19 8TT. UK

TEL: +44 020 8404 7105 FAX: +44 020 8404 7104
<http://www.hawkcaralarm.com> e-mail: info@hawkcaralarm.com

**THIS INSTRUCTION MANUAL IS IMPORTANT.
PLEASE READ IT BEFORE INSTALLING THE UNIT.**



Lead / acid battery charging device

HA-CH01

Operating Instructions

Important:

Read these instructions for use carefully and comply with them. Please observe and follow the safety instructions.

Congratulations on the purchase of your state of the art Lead / Acid Battery Charging Device. This system has been designed to provide years of trouble-free operation.

This owner's guide should help you to get the most out of your system. Please take the time to read it prior to using the system.

1 Foreword

Any person, who uses, cleans or disposes off this product must be aware of the contents of these instructions for use.

These Instructions for use are part of this product. Please follow all safety instructions.

Should you have any queries or be uncertain about the use of battery charger, please contact your retailer.

2 Intended uses

The battery charger is designed for the charging of lead / acid batteries. The battery charger is suitable for indoor use. Any use other than that mentioned *above* or modification of the battery charger is not permitted and may cause damage. Failure to follow the safety instructions can lead to life-threatening hazards and injuries, and may also cause technical malfunctions (short circuit, fire, electric shock etc.). This battery charger is supposed to be used only in private households.

3 Safety Instructions



IMPORTANT: While using the battery charger please observe the following instruction so as to avoid personal hazard or material damage due to faulty use. The damages that are caused by non compliance with these instructions of use, particularly the safety instructions, void the guarantee. No liability is accepted for resulting material damage or personal injuries as well as the resulting consequential damages.



Danger: Non compliance may lead to threat to life and injuries

Preserve these instructions for use and if necessary pass them on to a third party.

Preserve Instructions for use and hand them over when the battery charger is passed on.

• **Do not tamper with the battery charger.**

Never tamper with or modify the battery charger. Such actions may mean threat to life through electrical shock and are prohibited for reasons of authorisation (CE.)

• **Verify the power supply** - Match the data on the rating plate with the power supply. Make sure that the existing power supply corresponds to the rating plate. Non compliance can lead to excessive heat generation.

Do not use in case of defects.

Do not use the battery charger in case of malfunctioning and defects/damage. Defects can occur due to impact shocks or falling even from low height. Get the battery charger checked and if required get it repaired before you start it again.

Always be attentive and observe what you are doing

Do not use electrical equipment when you cannot concentrate and are inattentive or are under influence of drugs, alcohol or medication. Even a single moment of negligence while using electrical equipment can lead to serious accident and injuries.

Secure battery charger against use by outsiders.

Store the unused battery charger in a dry, high or enclosed place away from the reach of children.

Do not use it in ex-environment.

Do not use the product in explosion prone (ex) environment, where combustible liquids, gases or dust is found. This product is not intended for use in these environments.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.



Warning: Medium risk of Injury In case of non compliance

Do not leave the charger unattended while in operation.

Observe environmental conditions.

Operation under following environmental condition like ambient temperatures *over* 50°C., inferior to -25°C, combustible gases, solvents, vapours and dust is not permitted. Always place the battery in a well ventilated area!

Do not connect/charge non reusable or defective batteries.

Do not connect non-reusable or defective batteries to the battery charger. This can trigger unexpected reactions in the battery. It can result in injuries (e.g. chemical burns).

Park the vehicle.

In case of battery that is fixed in the vehicle, ensure that the vehicle is not running and is stationary for this switch off the ignition and put the vehicle in park position.

Grasping terminal at insulated area.

Grasp terminal only at insulated area.

No contact with fuel line.

Ensure that terminal for positive pole is not in contact with fuel line.

Protect eyes and skin.

Protect your eyes and skin from chemical burns through acids when in contact with the battery, use acid resistant goggles, -clothing and -gloves. In case eyes or skin come into contact with acid, rinse the affected body part with lots of running clean water and contact a doctor immediately.

Important: Must Note

This product should be used only for reusable lead / acid batteries.

Technical Data

Type label:	Lead / acid battery charging device
Item Number:	HA-CH01
Mains Voltage	100-240V Ac
Mains frequency	60/50 Hz
Constant Current	8-13.8v, 1A
Constant Voltage:	13.8-14.6v
Shut-off-Current	120-150mA
Weight Approx:	240g
Connection Cable:	SAE Connector

Start-up and operation

Note: This chapter describes the start-up procedure and the basic functions of the battery charger. Please read the chapter carefully in order to understand and use the facilities and functionality. Please take note of the following information, particularly the safety instructions, in order to erroneous operation and possible defects.

Important: while charging ensure that the battery is placed in well ventilated area.

The charger applies the intelligent charging method of constant current and constant voltage. The charger will automatically shut off when fully charged.

Connect battery charger

1. Plug in the battery charger in an earthed wall socket.
2. **With battery connection-** For charging connect the terminals with the + and – poles of the battery.
3. **Remove the battery-** The charger automatically charges the battery. Red LED switches on. When the green LED switches on, the battery is fully charged and can be removed.
4. **Disconnecting from power supply-** After charging disconnect the battery charger from the power supply.

Cleaning

Important: Disconnect the equipment from the mains before cleaning! For electrical safety reason the device must only be cleaned with a damp cloth. Do not use aggressive cleaning agents or chemicals.

Important: All repairs may be carried out only by a trained technician. There are no serviceable parts inside.

Warranty and service

Note: For this product you receive a guarantee of 12 months from the date of purchase. The product was manufactured carefully and diligently examined prior to delivery. Nevertheless, should production or material defects arise during the guarantee period please contact your retailer.

Damage caused by improper handling, noncompliance with the instructions for use or tampering by unauthorised persons is not covered by the guarantee. Most of the malfunctions are caused by incorrect operation.

Please contact us before returning the product. The product can be accepted only after consultation with us.

Consignments for which freight has not been paid are not accepted.

Commercial Electronics Co Ltd
264 Haydons Road, Wimbledon , London SW19 8TT UK. Tel: 44-208 404 7105



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