A.T.S.I.

RMHMDU1
HAWK DISCHARGE UNIT
OPERATORS MANUAL

2014

RMHMDU1 HAWK DISCHARGE UNIT

Specifications

Power range	110/240 volts AC
Power input	240 volts AC @ 100mA.
Power input	110 volts AC @ 200mA
Fuse.	2 x 10 Amps
Safety features.	Auto cut-off interlock
Weight.	4 Kgs.
Dimensions.	190 x 240 x 290mm (H x W x D)
Battery charge state.	Any level from flat to full.

NOT FOR OUTDOOR USE

RMHMDU1 HAWK DISCHARGE UNIT

Operating Instructions

Connect power lead (provided) from battery output socket to discharge input socket.
(Input socket is at the rear of the unit.) (12)

Plug mains power lead (provided) into 110/240v AC mains input socket.
(Mains input socket is at the rear of the unit) (9)

Turn on power at mains switch (1)

Discharge light (3) should illuminate with both amp and voltmeters showing discharge current and voltage.

Re-set hours meter (6) to zero by pushing button on hours meter.
(Re-set should show all zero's)

Leave connected until discharge light (3) goes out and meters show zero.

After a full discharge (discharge light (3) extinguished), turn power off via power switch (1).

If required, take reading from hours meter and multiply by 5 to determine output current that was retained by the battery.

The unit is fully automatic and once connected with the power switch in the ON position, will automatically stop discharging when the cycle is completed.

Note.

The RMHMDU1 has a safety inter-lock system which prevents the unit from operating if the mains is not connected.

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(1) Mains On/Off Switch

This switches the discharge unit on.

(2) Mains Power Indicator

When illuminated, informs the operator that the unit is switched on.

(3) Battery Discharge Indicator

This indicator informs the operator that the battery is being discharged.

(4) Fuse Holder

Fuse holder containing two 10 amp fuses at rear

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(5) Discharge Hours Meter

This allows the operator to calculate the Ah of the Hawk battery by multiplying the amps by the time shown. E.g. 5 amps drawn by 10 hours = 50 Ah battery.

(6) Re-Set Button

This button is used to zero the clock after the button is pressed.

(7) Battery Discharge Amp Meter.

This indicator informs the operator what current in amps is being discharged.

(8) Battery Discharge Volt Meter

This indicator informs the operator what voltage is being discharged.

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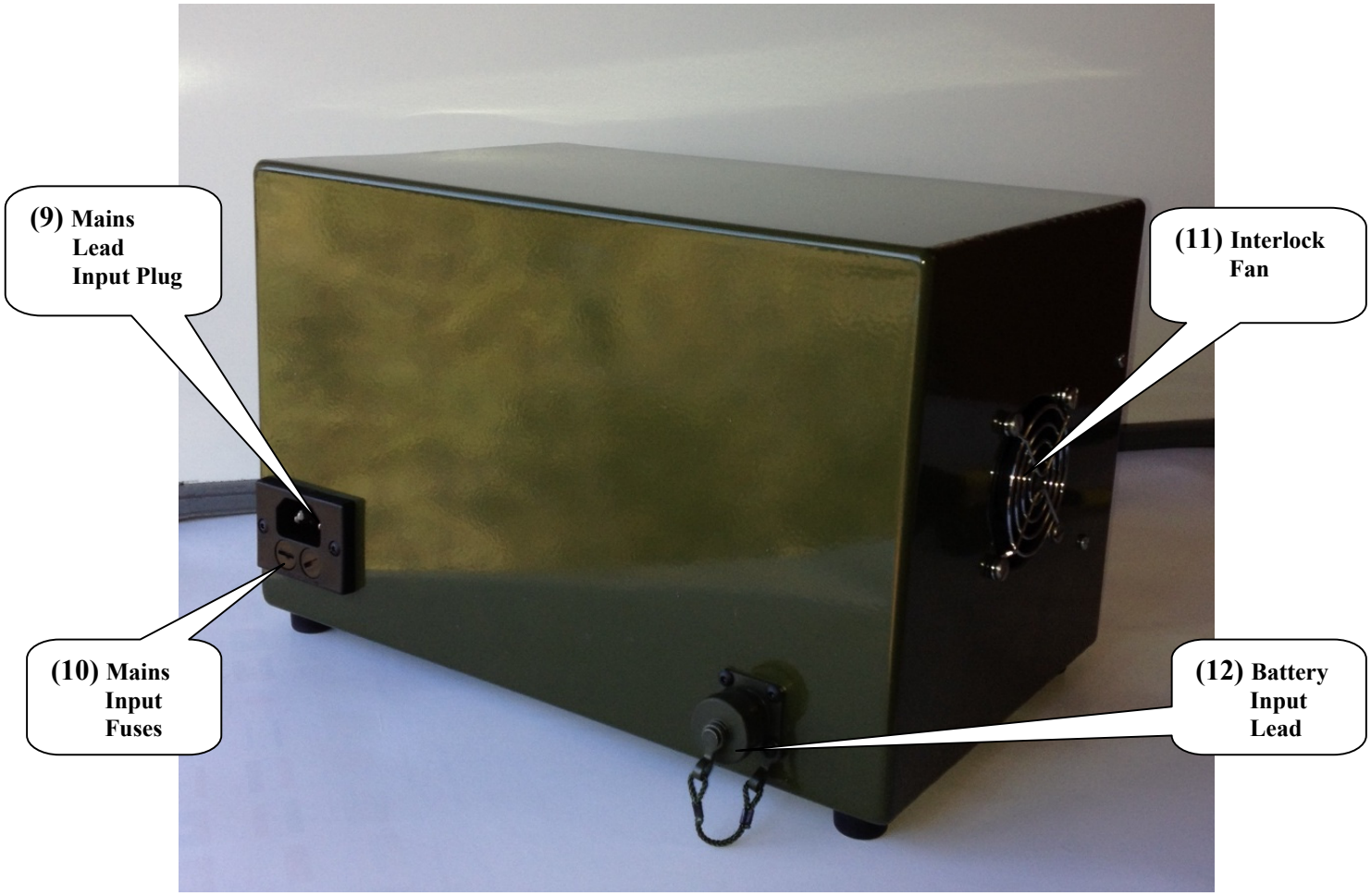

(9) Mains Lead Input Plug

This plug is used to connect the mains lead (110/240V AC) to the discharger. (Both 110 and 240 volt mains leads can be used on this plug.)

(10/11) Mains Input Fuses

Two 10 amp fuses are inserted within the fuse holders.

To replace, rotate fuse holder screw anti-clockwise and withdraw cartridge from holder to access the fuse. Replace fuse and insert cartridge back into holder and twist clock-wise until it is locked

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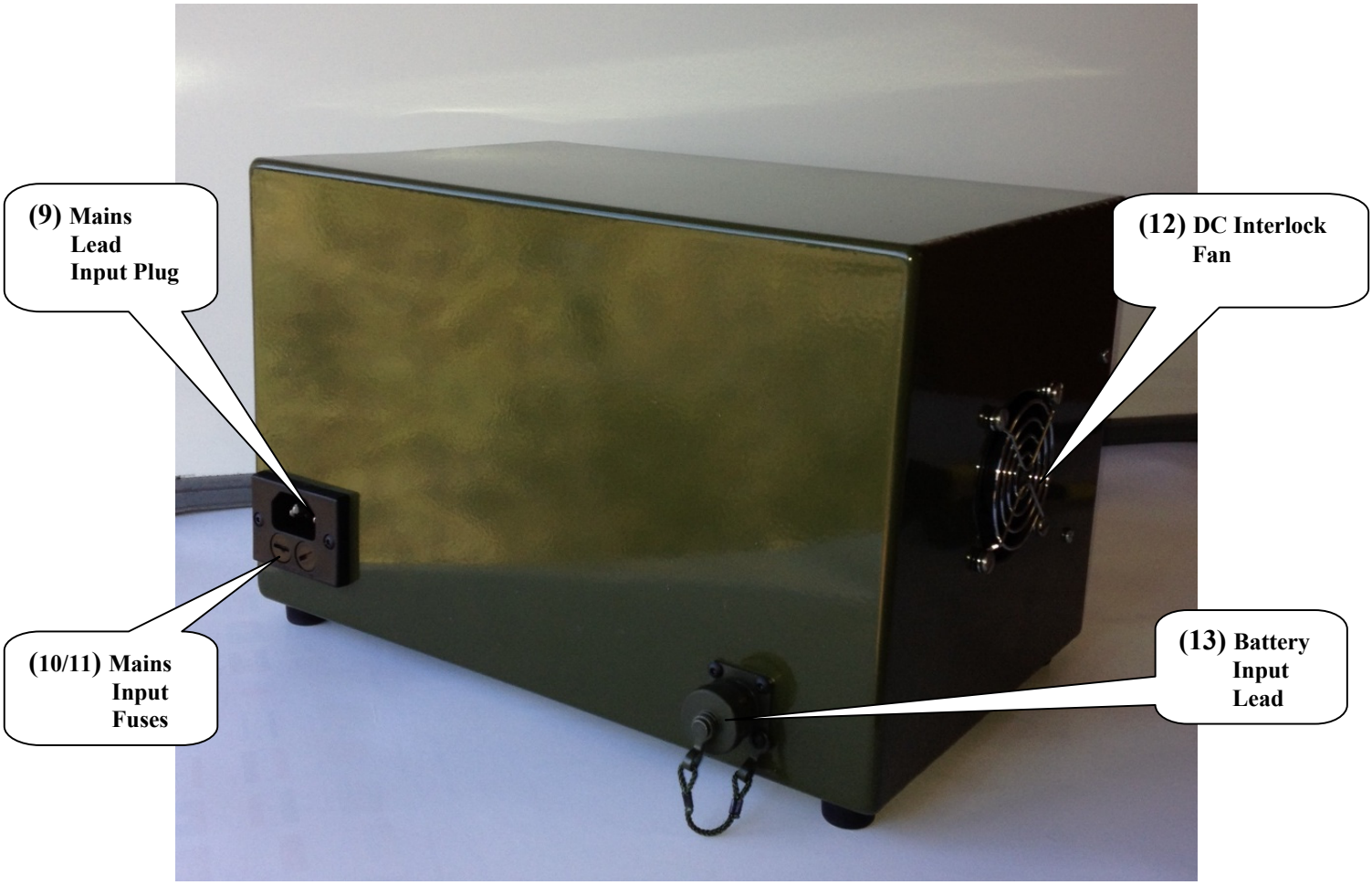

(12) DC Interlock Fan.

This fan operates when the battery is connected to the discharger in order to cool the voltage dropper whilst in operation.

When discharge cycle is completed the dc fan will stop leaving ac fan running.

(13) Battery Input Lead

This indicator informs the operator what voltage is being discharged.

RMHMDU1 HAWK DISCHARGE UNIT

(14) AC Interlock Fan.

This fan operates when the mains is connected to the discharger in order to cool the voltage dropper whilst in operation.

This fan will remain on after the battery has stopped discharging and will remain on until the mains power is terminated..