ILC4 & ILC4-VAC Charging Holder User's Guide

Read these instructions carefully to extend the life of your ILC4 & ILC4-VAC Charger by correct handling. For more information on other MICA products, please contact your retailer.

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Use of the Mica product must be controlled and accepted by the operator. Personnel using the MICA product must be authorised by the operator or a designated representative. The operator is responsible for the correct use and maintenance of the product. Repair of the MICA product must be carried out by a competent party that is authorised by the manufacturer.

MICA ILC4 & ILC4-VAC Charger User's Guide

INSTALLATION
Mount the MICA ILC4 charger with four screws in a position leaving sufficient space above the charger for insertion of a lamp/battery into the charger and removal therefrom. The MICA ILC4 charger is specified for use in both indoors and vehicle installations.

Connection to 12 24 VDC supply voltage (ILC4)
Use a proper supply voltage cable (Part. No. M01113) for connecting the charger to the vehicle's battery power bus or other 12-24 VDC supply. Note correct polarity: the red conductor must be attached to the positive (+) polarity. When connecting the charger supply voltage cable directly to the vehicle's power bus, attach a 10 A fuse box as close as possible to the battery terminal to protect the charger supply voltage line. Optionally, your MICA retailer can provide you a supply voltage cord (Part No. M01112) suitable for feeding the charger from a cigarette lighter connector.

Connection to 90 265 VAC supply voltage (ILC4)
ILC4 may alternatively be fed from a 90...265 VAC mains with the help of a MICA IL-2 (Part No. 11274_2) mains adapter available as an accessory from your retailer.

The red “POWER” indicator is lit at the charger and it indicates proper connection to the supply voltage.

Never connect the MICA ILC4 directly to the mains or other AC source. The power supply should be continuous and may not be supplied via a timer or any kind of switch.

CHARGING
Insert a MICA IL lamp on the charger. The yellow “CHARGING” indicator stays lit during the entire charging cycle. At full charge, the green “READY” indicator turns on.

Red LED “POWER”	Yellow LED “CHARGING”	Green LED “READY”
Stays on when supply voltage is OK	Indicates on-going charging cycle	Indicates fully charged battery
In a fault situation, all LED's are turned off.		

Lamp type/ Battery	**Charge time**
IL-600, IL-6000 GT, IL60 NiMH with **9,0Ah NiMH battery**	11h
IL-60, IL-600 with **5,5Ah NiCd battery**	7h
IL-80 ATEX LED, IL-800	5h 30min

MICA ILC4/ILC4-VAC is suitable for charging all types of MICA IL lamps.

The battery voltage will become low during prolonged storage. Therefore, a new lamp should always be charged prior to use. A battery typically gains its full capacity after about five complete charge/discharge cycles. The lamp can be stored in the charger without a risk of overcharge. At the end of a charging cycle MICA ILC4 automatically switches on a

When the use of a lamp involves short duty cycles between charging cycles, it is recommended that the lamp is left on, e.g., after every 10 cycles of use so that the battery capacity will become entirely empty (NOTE: the lamp's electronic control circuitry will automatically turn off the lamp before there is any risk of battery deep discharge). This procedure prevents the memory effect occurring in NiCd batteries.

SERVICING (ILC4)

In a fault situation, all indicators are turned off. NOTE: The red “POWER” indicator also turns off in a fault situation if any lamp is inserted in the charger (that is, if the red indicator does not turn on when you remove the lamp from the charger, the power feed to the rack is at a fault). For repair of a damage caused to the charger, please, send the unit to an authorized MICA service. Your local MICA retailer will help you in servicing and provide the necessary spare parts.

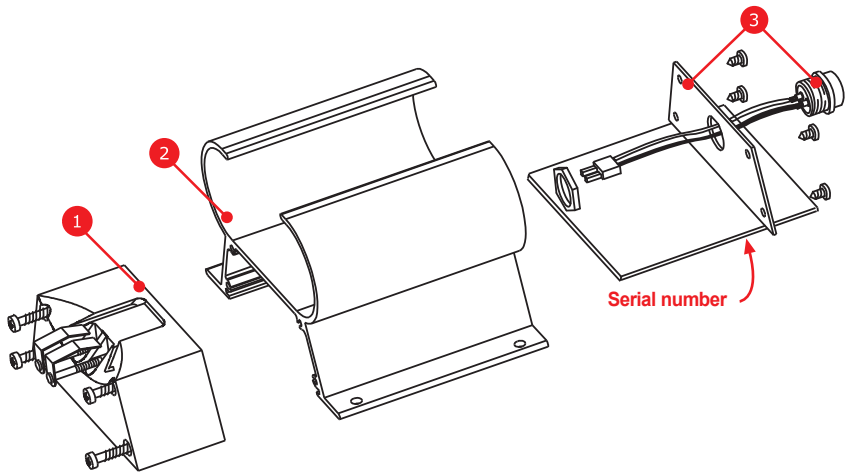
SPARE PARTS ILC4

1	M11226	ILC4 Update module
2	M00347	ILC Aluminium profile
3	MH0124_2	ILC Bottom/Back plate assy

NOTE! When ordering spare parts, always mention type and serial number of your lamp and charger.

ACCESSORIES ILC4

IL_2	IL-2 AC/DC transformer 230 VAC/12 VDC
M12200	IL-5 Supply changeover unit
M01112	Cigarete lighter cable 12-24 V
M01113	12-30 VDC 3m cable



MICA ILC4 TECHNICAL SPECIFICATIONS

Input voltage	12 - 24VDC (Different in ILC4-VAC)
Charging time	6-11 hours
Charge current	800-900mA
Trickle charge current	100mA
Operating temp range	+0...+40°C
Dimensions (Hx W xD)	153x 138x 88 mm
Weight	485gr (basic ILC4)

WARRANTY

MICA lamps and ILC4 Charger are guaranteed for two year from date of purchase against all defects in materials and workmanship in accordance with general warranty conditions. Warranty will expire if the electronic circuitry is tampered with or the components thereof are otherwise damaged. For warranty servicing, please include a copy of purchase action document with the shipment of the defective equipment.

SPECIAL ILC4-VAC CHARGER

Distinctions of MICA ILC4-VAC charging unit in comparison with ordinary ILC4 charging unit

Installation and commissioning:
MICA ILC4-**VAC** is being installed directly into the VAC network.
Take care that any timer or similar device should not interrupt the supply voltage.

Maintenance:
Only trained electrician should maintain charging unit MICA ILC4-VAC.

Please contact local retailer for arranging the service.

Supply voltage: 85...264 VAC (50/60Hz)
Weight 860g

The device has electronics inside, please use required actions when disposing of the device.

ATEXOR