

Lestronic II Automatic Battery Charger

GENERAL INFORMATION

The Lestronic II, "LC" style of automatic battery chargers are designed for charging wet/vented lead-acid batteries. The charger output is inherently short circuit proof and line voltage compensation with a taper type voltage/current output. A solid state charge control relay turns the charger on and off. The control turns the charger on, after a short delay, after the output and input connectors are connected to the mains and the battery. The patented dv/dt control monitors the rising charge voltage and turns the charger off as the battery no longer accepts charge. After the charger turns on, it will operate for as long or as short a time as necessary to recharge the battery. No taps, timers, rate controls, equalize charging or gassing time periods to set.

INSTALLATION

Proper installation of the charger is important in order to achieve good charger performance and to prevent damage to the charger and batteries. The charger should be located in a clean, cool, dry, and well ventilated area with 40°C maximum ambient temperature. To permit free air flow for convection cooling, allow three inches (3") (7.5cm) minimum between the charger and any wall and six inches (6") (15cm) between the charger and other equipment. Do not expose to rain. The charger can be stationary mounted on a shelf or bench. M6 size mounting hardware is recommended.

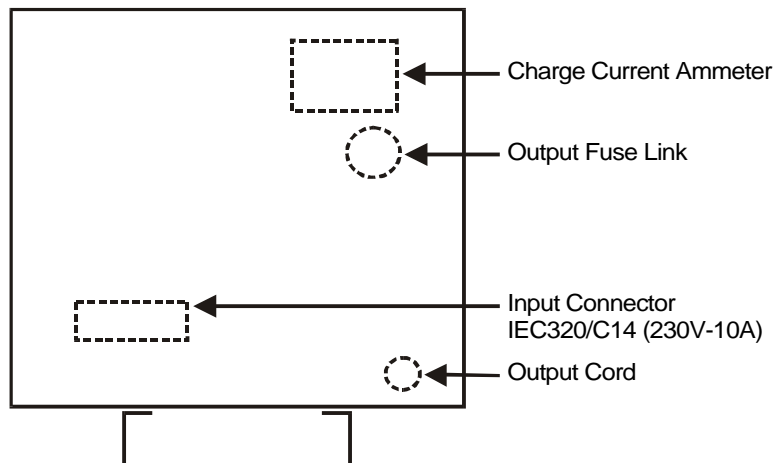
Connect detachable supply cord to charger appliance connector and to mains socket-outlet with cord and plugs that comply with all national and local wiring rules and ordinances.

Connect charger only to mains supply with the voltage and frequency specified on charger nameplate.

Connect charger output only to lead-acid batteries with voltage and Ah rating specified on charger nameplate.

Place lead-acid batteries in a well ventilated area during recharge.

⚠ WARNING: DO NOT ATTEMPT TO RECHARGE NON-RECHARGEABLE BATTERIES.



Instructions for model 20340, 48Vdc - 22A, 230V/50Hz.

Charge only 48V, 24 cell series connected wet lead-acid batteries rated 140-270 Ah.

AUTOMATIC CHARGER OPERATION

1. Connect charging plug to battery connector.
2. Connect charger to mains supply and switch on. Charger turns on, after a short delay, if all connections and voltages test good. Ammeter pointer jumps from "zero," to indicate initial charge current when charger turns on.
3. Charge current decreases as battery recharges. Charger turns "off," as battery stops recharging. Ammeter pointer drops to "zero," charge current when charger turns off.
4. Switch off mains supply before disconnecting charging plug.
5. Disconnect charging plug from battery connector after charger turns off.

OUTPUT FUSE LINK REPLACEMENT INSTRUCTIONS

1. Disconnect from mains and battery before removing cover. Record position of cover and location of cover screws for later assembly. Remove screws and cover.
2. Record position of fuse link, all connections, washers and nuts for later assembly. Loosen and remove nuts on back of fuse link to remove connections.
3. Remove fuse link retaining screws from front side. Verify replacement fuse link is marked with same part number as original before replacing. Replace old parts with new fuse link, transparent cover, nuts and washers.
4. Place new transparent cover over new fuse link and insert through panel hole in original position. Attach the fuse link and cover to the panel with the two self threading screws.
5. Replace all connections, washers and nuts in original positions on the back of the fuse link and torque nuts to 22 in-lbs.
6. Replace charger cover in original position and screws in original locations. Torque screws to 10-12 in-lbs.