

MASTER VISION MODULAR SWITCHBOARDS

| | |
|-------------|-------------|
| panel code | C-4-RB |
| part number | 07-04-04100 |



CAUTION

- Lethal voltages exist on your vessel. Make sure all shore power, onboard generating sources and batteries are disconnected before beginning installation of your electrical panel.
- AC modules will have lethal voltages on the bus bars and terminals. The coating on these bars is for identification only and should not be relied on as an insulator. Additional safety enclosures may be required in some installations.
- Make sure all AC modules are bonded to the ship's AC ground bus. When grouping modules together to form your panel, a single ground may be used. Use a resistance meter to verify ground to all modules.

SPECIFICATIONS

description: remote basic charger control for Mass & IVO smart chargers

type:

dimensions panel (wxh): 60 x 65 mm

panel depth: 40 mm

The basic remote panel

The basic remote panel is a useful power device for remote control of the Mass an Ivo smart Mastervolt battery chargers. The basic remote control does indicate the status of the charge control by six high power leds.

The remote control is easy to install by a plug-in standard twisted six pole RJ45 telephone plug between the analog output of the charger and the panel. The communication of the remote control and charger is based on analog technology. The remote panel can be used as an interface for a custom made panel or for a dual remote indicator.

The basic remote panel has a combined CSI-DC/alarm (csi=charger status interface).

The potential free change-over contacts indicate if the charger is ON or in general failure. The DC alarm set points can be adjusted in the chargers by use of the adjustment interface.

Specifications

Remote cable:

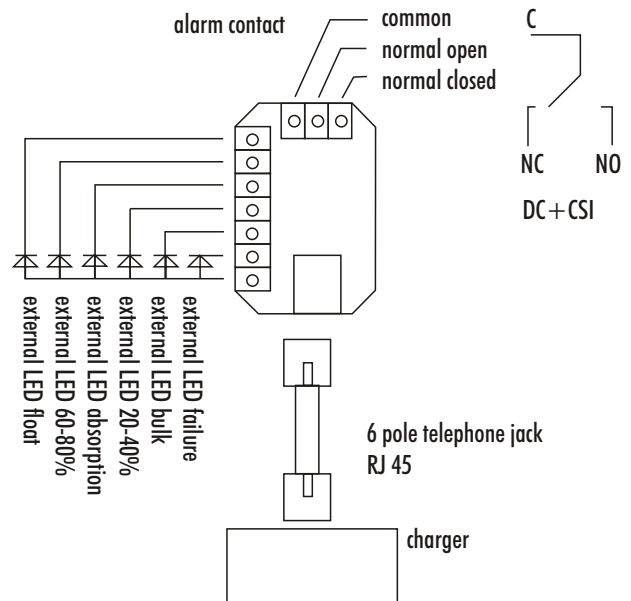
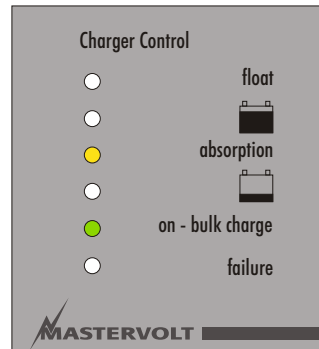
Connector RJ45, 6 pole, male
 Max length 6 meter, max
 Type twisted wire

External led drive:

I_{max} 5 mA
 U_{max} 2,5V

General CSI alarm

Max rating 1 Amp, 30 VDC
 NC-on When the charger is off or the charger is in failure, the normally closed contact is closed
 C Common
 NO-on When the charger is on and no-failure is indicated the normally open contact is closed
 Connectors 0,75 mm²



Combined CSI failure and DC high/low alarm

| | |
|-----------------------|--|
| Bat TC failure | Battery temperature sensor out of range <20°C & >60°C |
| Voltage sense failure | Voltage sense out of range >3 VDC |
| Sys. temp. failure | Charger is out of temperature range "overload" (>75-85°C) |
| Short break indicator | Charger in reduced current mode (short break mode) U _{out} < 4.5VDC |
| DC alarm | Battery range out of range (with standard setting of charger) |

| | | | |
|-------------|------|------|-----|
| | 12V | 24V | |
| DC low on | 10.0 | 20.0 | VDC |
| DC low off | 11.0 | 22.0 | VDC |
| DC high on | 16.0 | 32.0 | VDC |
| DC high off | 15.0 | 30.0 | VDC |
| Delay time | 30 | 30 | SEC |

These products fully comply to the latest CE norms in force from Januari 1st 1996 and are produced to ISO 9001 standards.



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