

MASTERVISION 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: type:	remote basic charger control for Mass & IVO smart chargers
dimensions panel (wxh): panel depth:	60 x 65 mm 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:

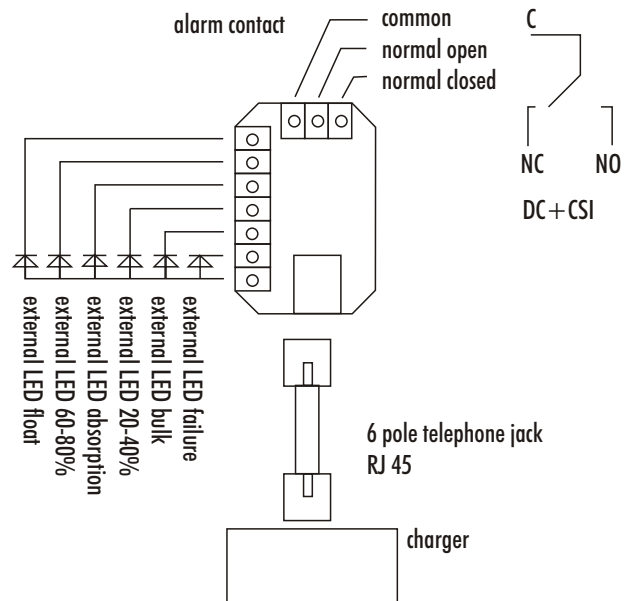
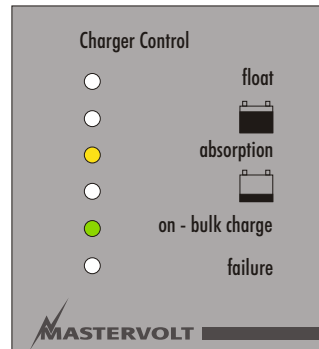
Connector	RJ45, 6 pole, male
Max length	6 meter, max
Type	twisted wire

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 mm ²



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.



MV/L&M 22-02-00