

MASTERVISION MODULAR SWITCHBOARDS

panel code	C-3-RS
part number	07-04-03040



CAUTION

1. 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.
2. 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.
3. 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 standard charger control for Mass & IVO smart chargers
dimensions panel (wxh): panel depth:	120 x 65 mm 40 mm

The standard remotepanel

The standard remote panel is a useful power device for remote control of the Mass an IVO smart Mastervolt battery chargers. The standard remote control does indicate the status of the charge control by six high power leds and control the output current by setting the potential meter. The remote control is easy to install by a plug-in standard twisted six pole RJ45 telephone plug between the digital rs232 output of the charger and the panel. The serial communication of the remote control and the charger is based on rs232 technology. The remote panel can be used as an interface for a custom made panel or for a dual remote indicator. The standard remote panel will show an occurring charger error on its led display by means of a code.

Error codes:

- failure led and on led lights up =
voltage sense out of range ($> 3Vdc$)
- failure led and 20/40 led lights up =
charger is too hot
- failure led and absorption led lights up =
short break/reduced current ($U_{out} < 5V$)
- failure led and 60/80 led lights up =
battery voltage out of range (set in charger)
- failure led and float led lights up =
battery temp sense out of range. ($< 20C$ OR $> 60C$)

Specifications

Remote cable:

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

External led drive:

Imax	5 mA
Umax	2,5V

External current control

R pot cc	0..1kOhm 0..100%
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