



■ CMR 4

Order-No.: 0 7100 0044

Switching interface incl. 4 monostable relays (10 A nominal rating). Integrated time base for the system clock.
 4 potential free relay outputs with fuseholder for a fuse / circuit breaker
 4 operation inputs for direct switching at the interface
 4 PWM-outputs for the dimming function (open-collector and 8V voltage signal)
 Connection by screw terminals. M12-T-cable included in delivery..

Operation voltage	DC 8-30 V
Consumption	Stand by all relays off: 9 mA @ 13 V
	Active all relays off: 13 mA @ 13 V
	Active all relays on: 85 mA @ 13 V
Current rating / relay:	10 A
Dimensions	L 115 x W 105 x H 50 mm

The switching interface CMR4 is designed to control 4 different load circuits via the System Monitors PSM-V, PSM2 or PSL. Alternatively following operation functions can be realised:

ENERGY MANAGEMENT

If the remaining battery capacity is low, you can switch off dedicated loads. The information for the switching operation will be delivered from a battery management shunt SHC (you can choose between selected capacity levels). You can operate monostable or bi-stable high current solenoids.

CONTROL OF AN AC GENERATOR

For the operation of an AC generator with automatic start or start/stop buttons. The information for the switching operation will be delivered from a battery management shunt SHC (adjustment: Generator ON/OFF). This switching information can be given by one or several shunts as well. To avoid the start of the generator (e.g. while the shore power is connected) you have the possibility to connect a control signal. Also a working time can be fixed.

VISUALISATION OF ALARM MESSAGES

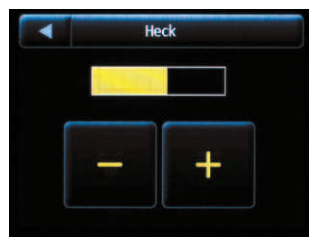
If an alarm occurs on the PSM display you have the possibility to send this alarm to an external buzzer or an alarm light at another place.

OPERATION OF PUMPS AT A TANK ALARM

If a tank gives a level alarm (e.g. empty / full) a pump can be switched for an adjustable time.

The configuration of the switching interface CMR 4 will be done via the system monitor, no additional computer will be needed.

DIGITAL SWITCHING



DIMMING FUNCTION FOR LED-LIGHTS

If the symbol button will be pressed longer, a new menu appears where the brightness of the lamp can be adjusted. Premise is a dimmable LED lamp with a matching control input. For example LED lights from Prebit in the slave version can be connected and be dimmed.



SWITCHING OF LOADS WITH DIMM FUNCTION

Via the System Monitor PSM loads can be switched on / off. There`s a big library of graphic symbols to choose from. They can be named additionally.

Also the **E-T-A Powerplex-System** can be operated by sending switching messages as well as receiving feedback information.

SWITCHING WITH FEEDBACK

By pressing the symbol button the load is switched on / off. A small green hook symbol shows that the load circuit is turned on. If the fuse protection at the output is blown, a small red flash symbol appears.

