



MANUAL SYSTEM

SA-10

Simple, compact and low-cost solution for the starter and management of a gen set.



It is equipped with 7 buttons for start/stop and a quick control of the main functions, 6 led bright signals that show the engine alarms and the system status and alphanumeric display 16x2 with blue backlight, to view all the measures, parameters and alarms. This controller measures three-phase tension and current of generator set (frequency, active power, reactive power, apparent power, kilowatt hour and cosphi phase displacement) and automatically controls its switching on. SA-10 is also equipped of different functions such as engine service management, control and protection of the engine with automatic shutdown and acoustic signal.

The controller includes one CAN BUS line in J1939 for electronic engines.

PRODUCT CERTIFICATIONS

STANDARD



TECNICAL SPECIFICATION

Features	Type	Description
Dimensions	External Dimensions (L x H x W mm)	97x97x102
	Hole Dimensions (mm)	89x89
Protection	Protection Level (standard)	IP65
Temperature	Working Temperature (°C)	-20...+70
	Storage Temperature (°C)	-30...+80
Power Supply	Power Supply Range (standard)	8 - 30 Vdc
	Power Consumption (W)	6
Display	Display Type	Alphanumeric 16x2
	Display Dimensions (L x H mm)	70x20
	Resolution	16x2 characters
	Display Color (standard)	Blue
Indicators	Led Indicators (nr)	6



TECNICAL SPECIFICATION

Features	Type	Description
Inputs	Digital Input (nr)	6
	Analog Input (nr)	3 (resistive or 4-20mA)
	Reading of Power Voltage	ok
	Alternator Input	ok
	Frequencymeter Input	optional
	Three-phase Voltage Input (nr)	1
	Three-phase Current Input	ok
Outputs	Relay Outputs (nr)	4
	Relay Output Power	250V 5A
	Digital Output (nr)	4
Functions	Hour Counter	ok
Serial Ports	CAN	ok
Controls	Buttons (nr)	7

DIMENSIONAL LAY-OUT

