

AUTOMATIC SYSTEMS

SA-12C

Complete and versatile solution for the automatic management of generator sets and thermal engines, with touch screen TFT display.

It is equipped with 6 buttons for a quick control of the main functions and a TFT color display 4,3" with touch screen that offers a perfect visibility and clearness. This controller measures up to 2 three-phase lines (frequency, active power, reactive power, apparent power, kilowatt hour and cosfi phase displacement) and drives automatically the network exchange of the generator, the ignition of the generator set. SA-12C 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 RS232 port, one RS485 port, two CAN BUS lines in J1939 and CAN OPEN, one USB port for software upgrade and on demand one Ethernet port.

PRODUCT CERTIFICATIONS

STANDARD



TECNICAL SPECIFICATION

Features	Type	Description
Dimensions	External Dimensions (L x H x W mm)	189x103x59
	Hole Dimensions (mm)	175x90
	Weight (kg)	0,1
Protection	Protection Level (standard)	IP65
Temperature	Working Temperature (°C)	-20...+70
	Storage Temperature (°C)	-30...+80
Power Supply	Power Supply Range (standard)	8 - 70 Vdc
	Power Consumption (W)	10
Display	Display Type	4.3" TFT
	Display Dimensions (L x H mm)	95x55
	Resolution	480x272
	Display Color (standard)	16bit RGB



TECNICAL SPECIFICATION

Features	Type	Description
Inputs	Digital Input (nr)	8
	Analog Input (nr)	4
	Reading of Power Voltage	ok
	Alternator Input	ok
	Frequencymeter Input	ok
	Three-phase Voltage Input (nr)	2
	Three-phase Current Input	ok
Outputs	Relay Outputs (nr)	6
	Relay Output Power	250V 5A
	Digital Output (nr)	2
Functions	Hour Counter	ok
	Clock and Calendar	ok
Serial Ports	CAN	ok
	RS232	ok
	RS485	ok
	USB	ok
Controls	Buttons (nr)	6
	Touch Screen	Resistive

DIMENSIONAL LAY-OUT

