



# ICGEN2.0

## Auto transfer switch

- Remote start & stop
- Manual start & stop
- Graphic remote display
- Programmable inputs/outputs
- Generator & mains protections
- Front panel protection: IP65

### PART NUMBER

A6322

### ASSOCIATED PRODUCTS

TCGEN2.0

ACGEN2.0

CRE Monitor (Configuration software)

The ICGEN 2.0 is a complete auto transfer switch controller with remote start/stop for a single generating set operating in standby mode. All mains parameters are checked and in case of failure, the controller will provide a remote start signal to the generator.

When the mains reappear, the ICGEN 2.0 opens the genset breaker, switches back the load on the mains and stops the generator after a programmable cooling time.



### ICGEN2.0 FEATURES:

- Back-lit LCD graphic display with multiple information pages, help button for on-board instructions, multiple password access
- 26 configurable alarms and protections, high accuracy TRMS measurement
- Date and time (real time clock with battery),
- 3 languages available on board (English, French, Italian)
- System statistics: alternator and mains
- Fast & easy setup, 250 engine history events log, Modbus communication

CHARACTERISTICS	
<p><b>DC range:</b> 8 to 32 V<sub>DC</sub> / <b>AC supply range:</b> 50 to 500 V<sub>AC</sub></p> <ul style="list-style-type: none"> <li>• Typical standby current: 100 mA<sub>DC</sub></li> <li>• Maximum operating current: 350 mA<sub>DC</sub></li> <li>• Generator breaker relay output: 8 A / 250V</li> <li>• Mains breaker relay output: 8 A / 250V</li> <li>• DC outputs: 6 A / 28V and 2 A / 28V</li> <li>• Voltage dropouts immunity on the power supply : 0V for 200ms</li> </ul> <p><b>Ports</b></p> <ul style="list-style-type: none"> <li>• 1 RS232 &amp; 1 RS485 port for Modbus RTU communication</li> </ul> <p><b>Environment</b></p> <ul style="list-style-type: none"> <li>• Operating temp.: -30°C + 70°C</li> <li>• Maximum humidity: 95% non-condensing.</li> </ul> <p><b>Dimensions and weight</b></p> <ul style="list-style-type: none"> <li>• Dimensions: 245x182x40mm</li> <li>• Panel cut-out dimensions: 220x160 mm minimum.</li> <li>• Weight: 750 gr</li> </ul>	<p><b>Homologation</b></p> <ul style="list-style-type: none"> <li>• EN61000-6-(2), (4) - EN60086-2-2</li> <li>• IEC61000-4-(2), (3), (4), (5), (6)</li> <li>• IEC60086-2- (1), (2), (6) + IEC60086-2-30 - CISPR 16-1</li> </ul> <p><b>PROTECTIONS</b></p> <ul style="list-style-type: none"> <li>• Ground protection alarm &amp; Test active</li> <li>• Battery maintenance, faulty mains &amp; Test failed</li> <li>• Battery charger alarm &amp; Emergency button</li> <li>• Feedback KG/Feedback KR, system locked &amp; Faulty start</li> <li>• Low/High frequency generator &amp; voltage generator</li> <li>• Wrong phase sequence generator</li> <li>• Current overload &amp; short-circuit</li> <li>• Low/High frequency mains &amp; voltage mains</li> <li>• Wrong phase sequence mains, user alarm 1/2/3</li> </ul>
MEASUREMENTS	
<p><b>Generator measurements</b></p> <ul style="list-style-type: none"> <li>• V<sub>AC</sub>: L1/L2-L2/L3-L3/L1</li> <li>• V<sub>AC</sub>: L1N-L2N-L3N</li> <li>• kVA, kW &amp; kVAR: L1-L2-L3-Total</li> <li>• kWh</li> <li>• cos (φ): L1-L2-L3 / Frequency (Hz) / Run hours</li> </ul> <p><b>Load measurements</b></p> <ul style="list-style-type: none"> <li>• Currents: L1-L2-L3</li> </ul>	<p><b>Mains measurements</b></p> <ul style="list-style-type: none"> <li>• V<sub>AC</sub>: L1/L2-L2/L3-L3/L1</li> <li>• V<sub>AC</sub>: L1N-L2N-L3N</li> <li>• kVA, kW &amp; kVAR: L1-L2-L3-Total</li> <li>• kWh</li> <li>• cos (φ): L1-L2-L3</li> <li>• Frequency (Hz)</li> </ul>