

# InteliGen<sup>NT</sup> Marine

**HIGH-END MARINE CERTIFIED GEN-SET CONTROLLER**



**InteliGen<sup>NT</sup> Marine is a marine certified comprehensive controller for both single and multiple gen-sets operating in standby or parallel modes. Compact construction is optimized for these purposes and various HW modifications allow customers to select the optimum type for a particular application.**

Special firmware for split control concept with standalone engine and generator controllers is available, see IG-NT/IS-NT GeCon.

A built-in synchronizer and digital isochronous load sharer allow a total integrated solution for gen-sets in standby, island parallel or mains parallel. Native co-operation of up to 32 gen-sets is a standard feature.

InteliGen<sup>NT</sup> Marine supports many standard ECU types and is specially designed to easily integrate new ones.

A powerful graphic display with user-friendly controls allows any user whatever their ability to find the information they need.

ComAp is able to offer customized firmware solutions.



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## Benefits

- ▶ Support of engines with ECU (Electronic Control Unit)
- ▶ Excellent configurability to match customers' needs exactly
- ▶ Complete integrated gen-set solution and signal sharing via CAN bus – minimum external components needed
- ▶ Integrated analog and digital PLC functions enable easy implementation of customer specific functions and algorithms
- ▶ Many communication options – easy remote supervising and servicing
- ▶ Perfect price / performance ratio
- ▶ Gen-set performance log for easy problem tracing
- ▶ Type approval from major certification societies such as DNV, GL, Lloyd's and others

## Features

- ▶ Support of engines with ECU (J1939, Modbus and other proprietary interfaces); alarm codes displayed in text form
- ▶ Automatic synchronizing and power control (via speed governor or ECU) with optional parallel feature
- ▶ Peak shaving
- ▶ Generator measurement: U, I, Hz, kW, kVA, PF, kWh, kVAhr
- ▶ Controller redundancy
- ▶ Inputs can be configured to monitor optional Northern Lights, Inc pre-alarms if desired
- ▶ RS232 / RS485 interface with Modbus support; Analog / GSM / ISDN / CDMA modem support;
- ▶ SMS messages; ECU Modbus interface
- ▶ Marine certified extension modules for expandable number of Inputs/Outputs (connected via CAN bus)
- ▶ Event-based history (up to 500 records) with customer-selectable list of stored values; RTC; statistic values
- ▶ Integrated PLC programmable functions
- ▶ Interface to remote display unit
- ▶ Dimensions: Front Panel 7.3 x 4.9" (184 x 124 mm);  
Cutout 6.7 x 4.3" (170 x 110 mm);  
Depth Behind Panel 3.3" (84 mm)
- ▶ Sealed to IP65
- ▶ Selectable measurement ranges for AC voltages and currents – 120 / 277 V
- ▶ Secondary isolated RS232 / RS485 interface



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