

InteliGen^{NT}® GeCon

GENERATOR CONTROLLER
FOR MARINE AND LAND BASED APPLICATIONS



Description

New Technology InteliGen GeCon is a comprehensive generator controller for single or multiple gen-sets operating in standby or parallel modes.

A built-in synchronizer and a digital isochronous load sharer allow a total integrated solution for generators in standby, island parallel or mains parallel.

Native cooperation of up to 32 ComAp Generator and Engine controllers is a standard feature. IG-NT GeCon configuration is easily done via GenConfig PC software. Powerful graphic display with user-friendly control allows even new users to find quickly the required information.

Benefits

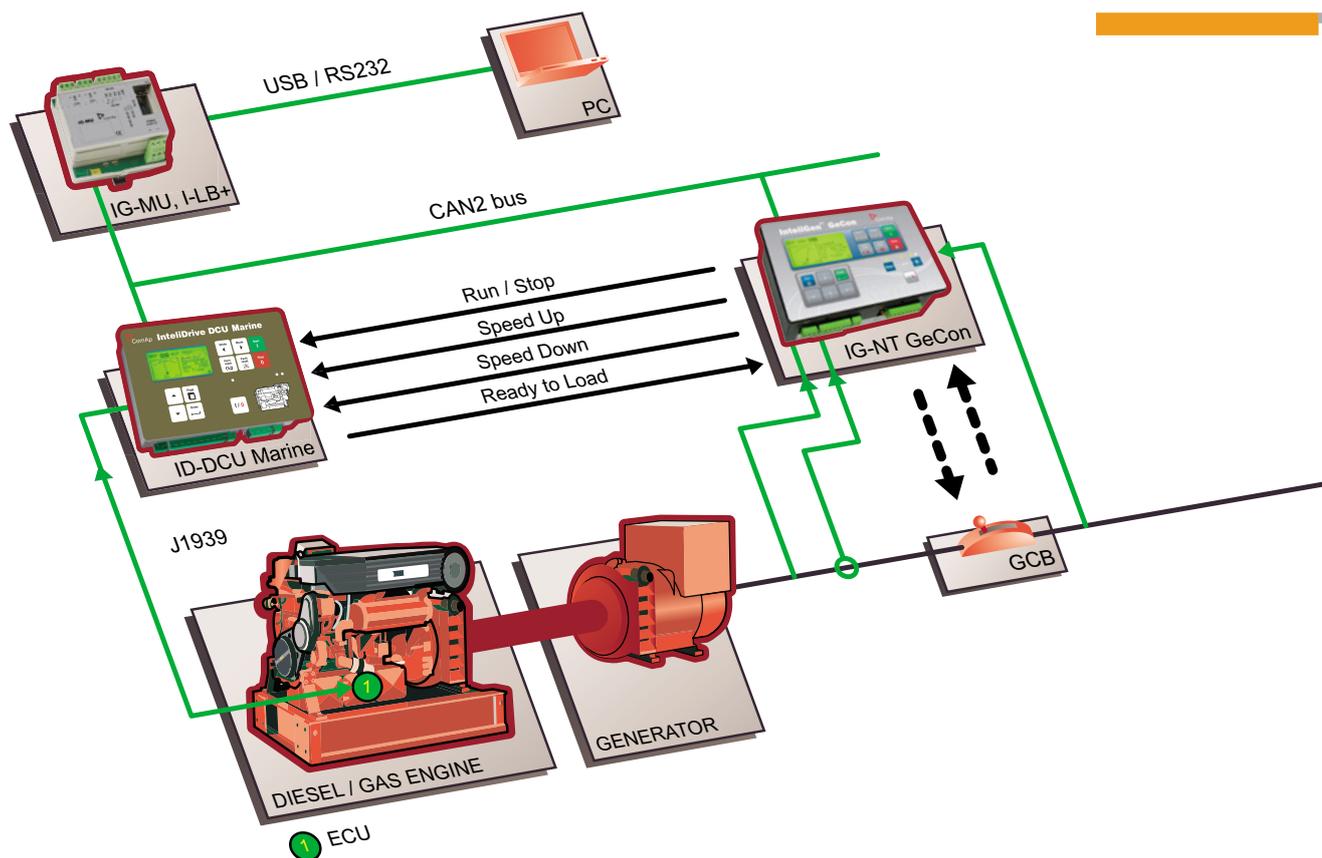
- ▶ Independent Generator and Engine control
- ▶ Excellent configurability allows matching exactly the customer's needs
- ▶ Complete integrated generator solution and signal sharing via CAN bus with minimum external components
- ▶ Many communication options – easy remote supervising and servicing
- ▶ Perfect price/performance ratio
- ▶ Gen-set performance log for an easy problem tracing



ComAp is a member of AMPS
(The Association of Manufacturers
of Power generating Systems).



ComAp products meet the highest standards, with every stage of production undertaken in accordance with the ISO certification obtained in 1998.



General features

- ▶ The independent engine controller (e.g. ID-DCU) is expected
- ▶ Event-based history with a configurable list of stored values
- ▶ Integrated PLC programmable functions
- ▶ Dimensions 180x120 mm (front panel)
- ▶ Sealed to IP65 (front panel)

Generator monitoring and control

- ▶ Complete generator measurement: U, I, Hz, kW, kVAr, kVA, PF, kWh, kVAhr
- ▶ Automatic or Manual operational mode
- ▶ Automatic synchronizing and Power control (via Engine controller)
- ▶ Load sharing, Baseload and Import/Export modes
- ▶ Voltage control and VAR sharing
- ▶ Power management: kW, kVA or % load based (with IGS-NT-LSM+PMS dongle)
- ▶ All binary/analog inputs are configurable for various protection types

Generator protections

- ▶ 3 phase generator over / undervoltage
- ▶ 3 phase generator over / underfrequency
- ▶ IDMT over-current and Short-current
- ▶ Overload and Reverse power

Communication

- ▶ RS232 / RS485 interface with ModBus support
- ▶ Analog / GSM / ISDN / CDMA modem support
- ▶ Ethernet/Internet interface via IG-IB module

PC software

- ▶ GenConfig – free configuration tool for full GeCon configuration
- ▶ IntelliMonitor – monitoring tool

Applicable on: IG-EE, IG-EEC, IG-NT, IG-NTC



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