

ALL-IN-ONE.NTC – Gen-set Controller

P/N 63.50.104, P/N 63.50.104-HSS

Dimensions

- length 223 mm (8.78")
- width 166 mm (6.54")
- height 68.5 mm (2.7")

Mechanical Data

- weight 833 g (1.84 lbs)

Climatic Environmental Conditions

- permissible operating temperature range
 - when using USB port -30 °C to +70 °C (-22 °F to +158 °F)
 - 0 °C to +70 °C (32 °F to +158 °F)
- permissible storage temperature range -40 °C to +80 °C (-40 °F to +176 °F)
- maximum relative humidity max. 95 % without condensation

Electrical Data

- power supply 8 V DC to 36 V DC
- required current
 - 0.4 A at 8 V DC
 - 0.15 A at 24 V DC
 - 0.1 A at 36 V DC

In- and Outputs

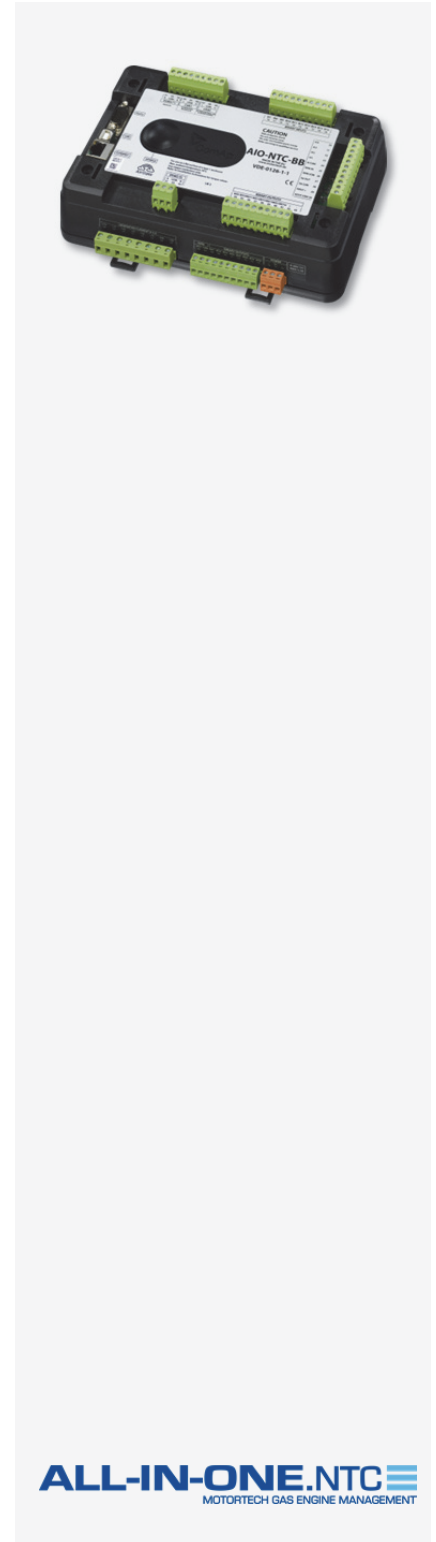
- configurable binary inputs 16
- configurable binary outputs 16 (HSS / LSS)
- configurable analog inputs 4 (0-2.4 kΩ, 0-20 mA, 0-5 V)
- configurable analog outputs 1 (0-10 V / 0-20 mA)
- current measurement inputs 3x generator, 1x mains/bus
- voltage measurement inputs 3x generator, 3x mains/bus
- speed pick-up input min. 2 Vpk-pk (4 Hz to 4 kHz), max. 50 Veff
- speed governor output ±10 V DC / 5 V PWM (500-3000 Hz)
- AVRi interface output TTL (5 V PWM)

Communication

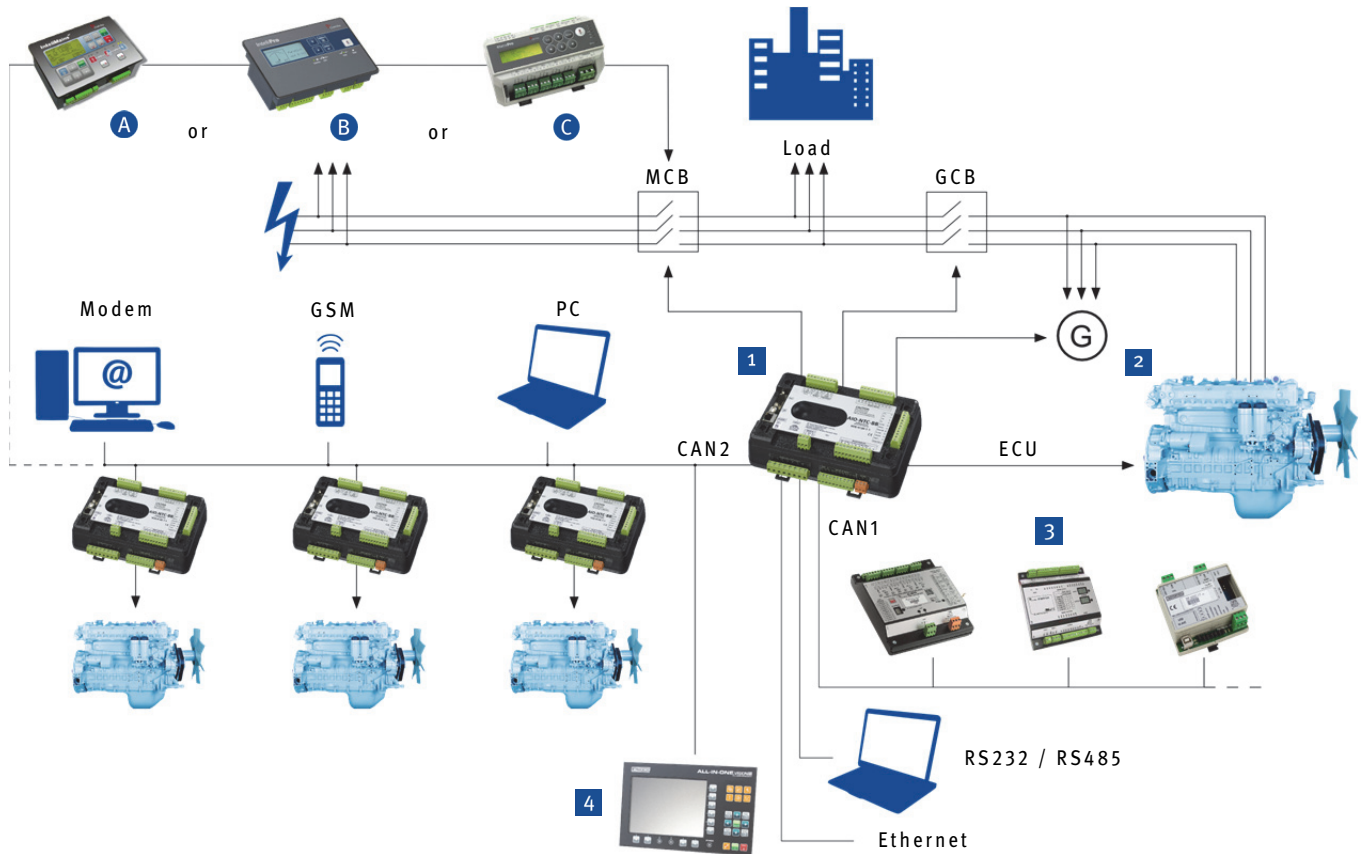
- interfaces 2x CAN, ethernet, RS232/RS485 (switchable), RS485, USB

Version

- binary inputs as low-side switch P/N 63.50.104
- binary inputs as high-side switch P/N 63.50.104-HSS incl. plug-on module I-HSS-BIN6/-BIN10



System Overview (Example)



- 1 ALL-IN-ONE.NTC – gen-set controller
- 2 Engine
- 3 Extension modules (IS-AIN8, IS-BIN16/8 etc.)
- 4 ALL-IN-ONE.Vision 8 – TFT color display

- A IntelliMains – mains supervision controller
- B IntelliPro – utility protection relay
- C MainsPro – mains decoupling relay