RDM 2.0

Remote display module for all-in-one genset control and paralleling unit

- RDM 2.0 to be connected to the GENSYS 2.0 CORE
- RDM 2.0 can be used as an additional remote display with the GENSY 2.0, the GENSYS 2.0 LT or with the MASTER 2.0
- Same multi-function graphic display and same front panel as the GENSYS 2.0

The RDM 2.0 works as a remote display and, combined with the GENSYS 2.0 CORE, can control a single or a multiple generating sets power plant.

Connected to a GENSYS 2.0, a GENSY 2.0 LT or a MASTER 2.0, the RDM 2.0 can be used as an additional remote display.

RDM 2.0 screen displays the same data as the GENSYS 2.0. The display shows engine and electrical parameters for intuitive operation.

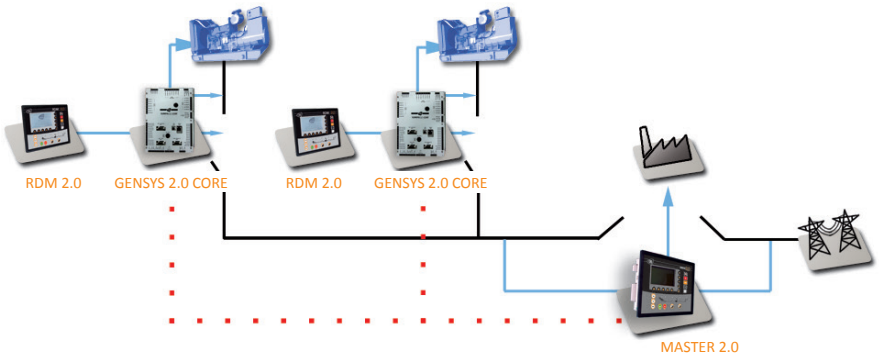
FEATURES

Information display

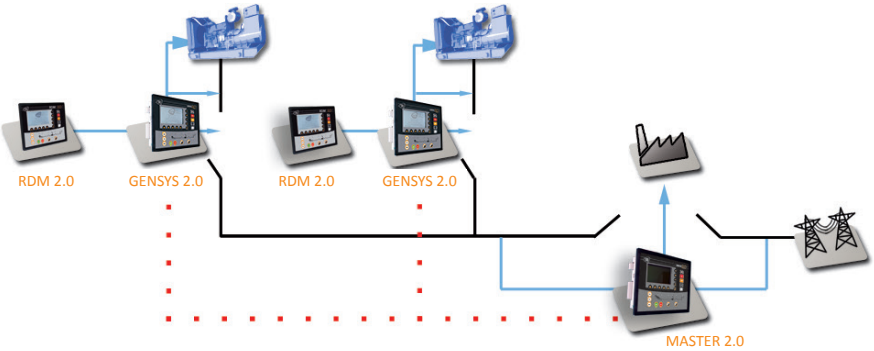
- Engine parameters display: oil pressure, water temp, speed, hours run meter...
- Generator electrical parameters display:
  - Phase-phase Voltage (3 phase RMS)
  - Phase-neutral Voltage (3 phase RMS)
  - Current (3 phase RMS)
  - Frequency
  - Active power (3 phase + total)
  - Reactive power (3 phase + total)
  - Power factor (3 phase + total)
  - Active power energy (kWh)
  - Reactive power energy (kVARh)
- Mains electrical parameters display:
  - Phase-phase Voltage (3 phase RMS)
  - Current (3 phase)
  - Frequency
  - Active power
  - Reactive power
  - Power factor
  - Import active power energy (kWh)
  - Import reactive power energy (kVARh)
- User display:
  - 50 spare display lines

POWERPLANT CONFIGURATIONS

Standard configuration

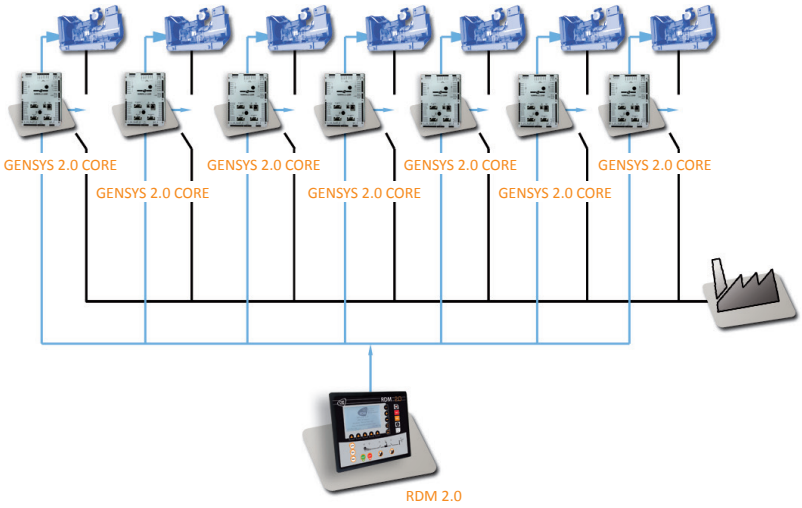


Remote display configuration



Multi-control HMI

1 RDM 2.0 can be connected up to 16 GENSYS 2.0/CORE/LT/MASTER 2.0



CHARACTERISTICS

Power supply

- DC voltage power supply input: 8 to 40V_{DC}, 600mA at 12V_{DC} and 300mA at 24V_{DC}.

Environment

- Operating temperature: -20 to +70°C
- Storage temperature: -30 to +80°C
- Humidity: 5 to 95%. Tropic-proof circuits for normal operation in humid conditions.
- Front panel: IP64 protection.
- Rear panel: IP20 protection.

Ports

- Ethernet for connected module and embedded website
- 4 digital inputs
- 4 digital outputs

Communication

- Maximum distance bewteen a GENSYS 2.0 CORE and a RDM 2.0: 100 meters
  NB. This lenght could be longer if a hub or a switch is used

Size and weight

- Size: 248x197x57mm (9.76x7.76x2.24in)
- Panel cut out: 177x228mm (6.97x8.98in)
- Weight: 0.9kg (2lb)

Certifications

- European Union Directives: EN 50081-2, EN 50082-2, 73/23EEC

Other

- LCD characteristics: 114x64mm,60 cd/m² backlight, 3 character sizes.
- Terminals: 2 piece connectors, 2,5mm².
- Standard languages: English, Spanish, French, Italian
- Other custom languages: downlodable on request

PART NUMBER

A53Y0

CABLE

A53W1

ASSOCIATED PRODUCTS

GENSYS 2.0
GENSYS 2.0 LT
GENSYS 2.0 CORE
MASTER 2.0