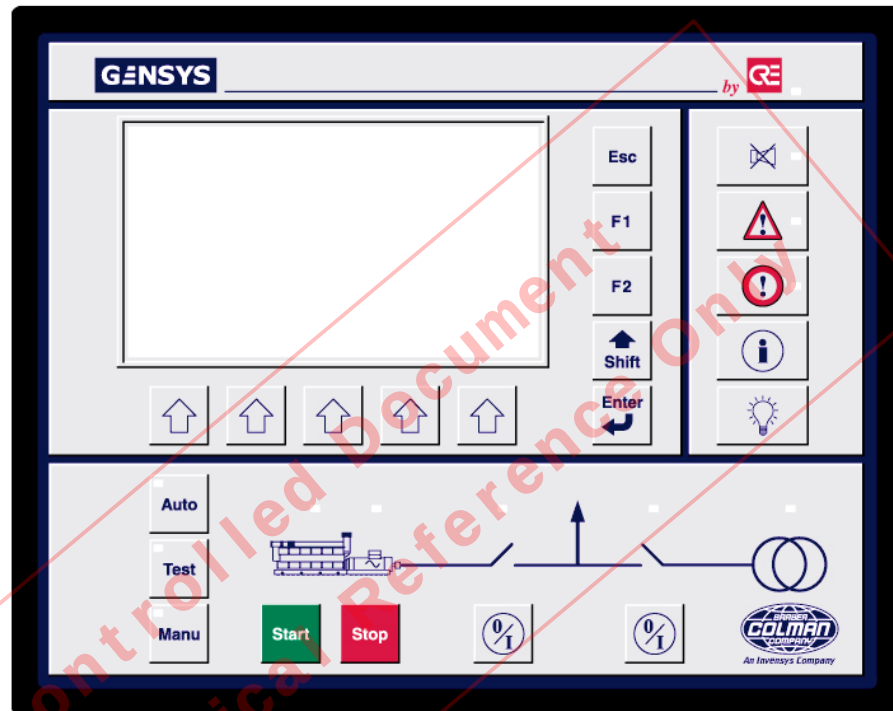




Product Information

PRODUCT SERIES: GENSYS

**Complete power management control for
generating sets and cogeneration**



THE ADVANTAGES

- Combines multiple discrete components, "All in One"
- Multi-function large graphic screen for parameters display
- Multiple languages supported for information display
- Enables parallel operation for up to 16 generator sets
- Internal plc provides programmable logic sequencing for expanded control and monitoring functionality
- Compact module measures 10"x8"x2.25"
- Internet connection available*

Product Interface:

- * Front panel display screen with keypad
- * Local access by PC with internet explorer software (non-dedicated software)
- * Remote access via PC modem (Internet explorer)

*future capability

Barber-Colman

Dyna
Products

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FUNCTIONS

- Automatic or manual engine control.
- All engine parameters display.
- All genset electrical parameters display.
- All utility/mains electrical parameters display.
- Manual and automatic synchronization (synchronizing scope available on screen).
- Isochronous active load sharing control.
- Iso-voltage reactive load sharing control.
- Power factor control when paralleling with utility.
- Automatic start/stop genset control according with load.
- Power level control (constant power or peak shaving) when paralleling with utility.
- Temperature regulation for cogeneration.
- Data circular records.*
- Events records/data logging.*
- Maintenance cycle control.
- Hour run meter.
- Active and reactive energy counters.
- Web email message on alarm detection (option).
- Real time clock
- Genset electrical protections:
 - over/under voltage
 - over/under frequency
 - over current
 - over neutral current
 - over power
 - over reverse power
 - over reactive power
 - over reverse reactive power
- Utility/Mains electrical protection:
 - over/under voltage
 - over/under frequency
 - vector jump
 - df/dt or rate of change of frequency

INPUTS/OUTPUTS

- Genset three phase voltages (3 or 4 wires).
- Genset three phase currents.
- 15 logic inputs with programmable sequences.
- 7 logic outputs with programmable sequences.
- 1 magnetic pick up speed input for isochronous regulation.
- 1 output (analog or PWM) for speed control compatible with all electronic regulations (Barber Colman, woodward, GAC, Heinzmann, Ambac, DDEC, MDEC,...).
- 1 analog output for voltage control compatible with most AVR (Leroy Sommer, Stanford, Basler,...).

SERIAL PORTS

- 1 RS232 port for PC communication + modem.
- 1 RS485 port with protocol Modbus RTU.
- 1 Bus Can port for inter Gensys communication.
- 1 Bus Can port for opencommunication with other modules.



WARNING

Barber-Colman requires an independent overspeed shut down device to prevent loss of engine control which may cause personal injury and/or equipment damage.

- NOTE -

Barber-Colman believes that all information provided herein is correct and reliable and reserves the right to update at any time. Barber-Colman does not assume any responsibility for its use unless otherwise expressly undertaken.

*future capability

