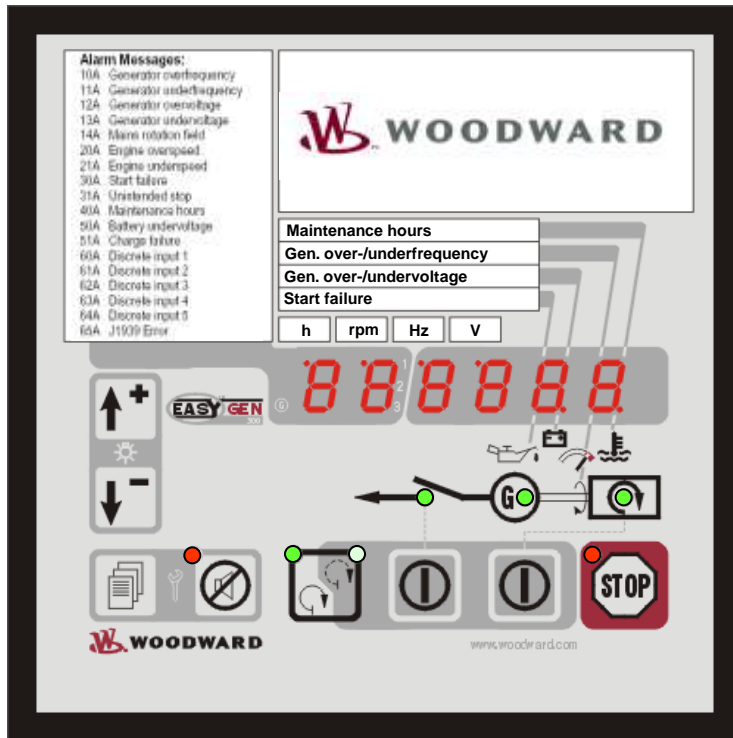# easYgen-300 Series
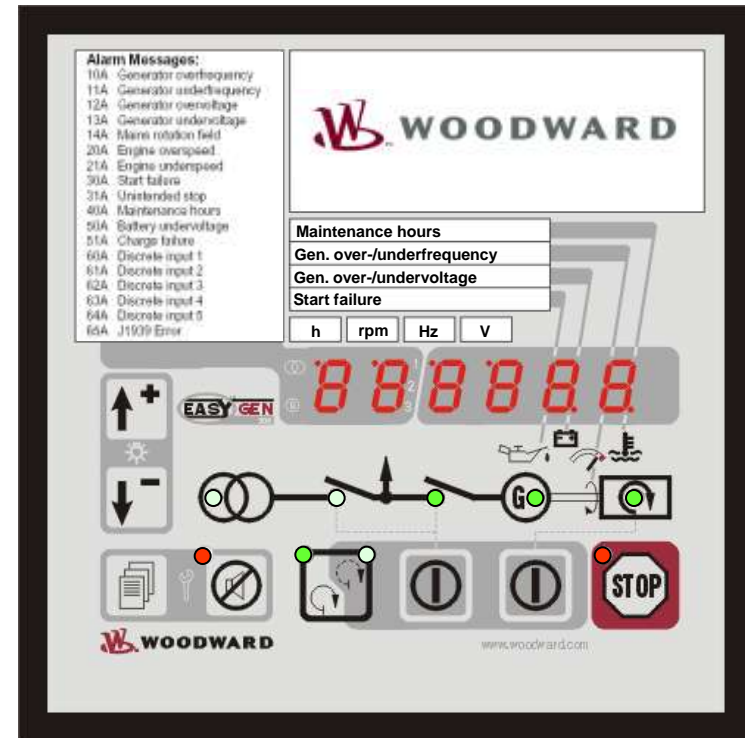## Genset Controls

easYgen-300 Series
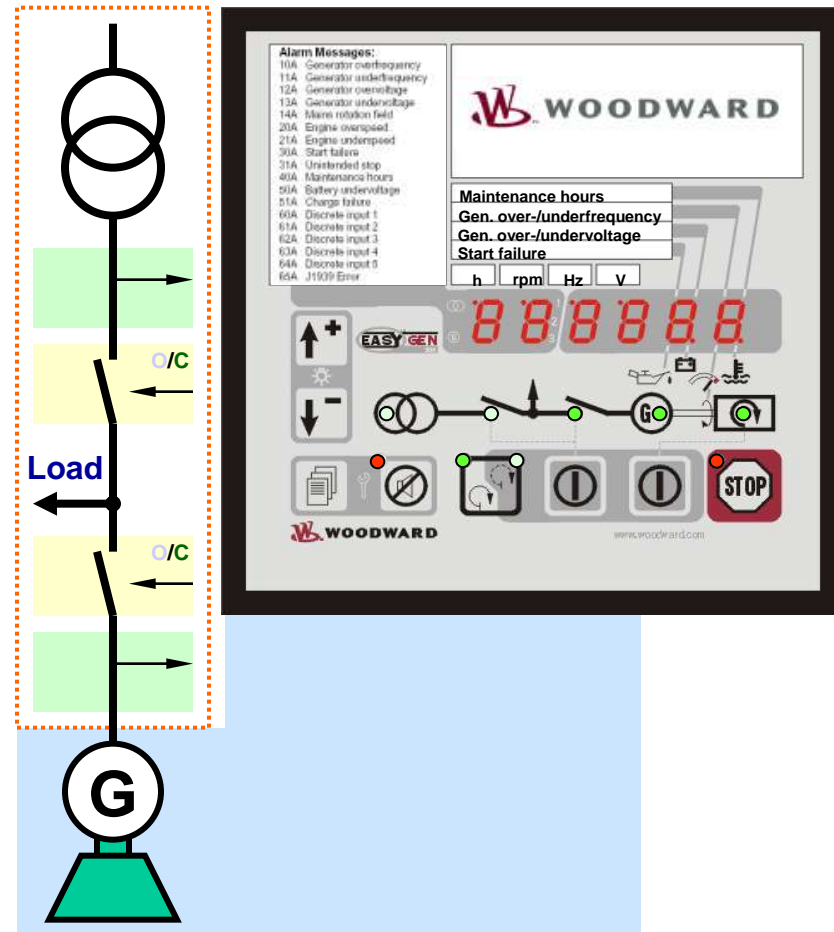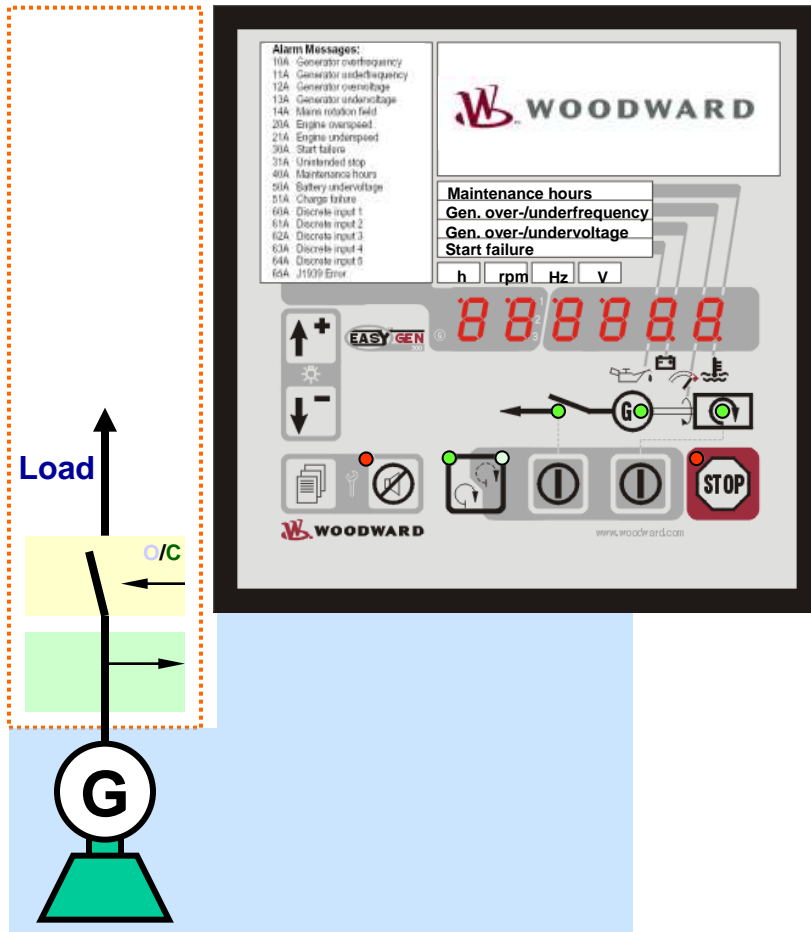

easYgen-320

easYgen-350

August 04

easYgen-300 Series
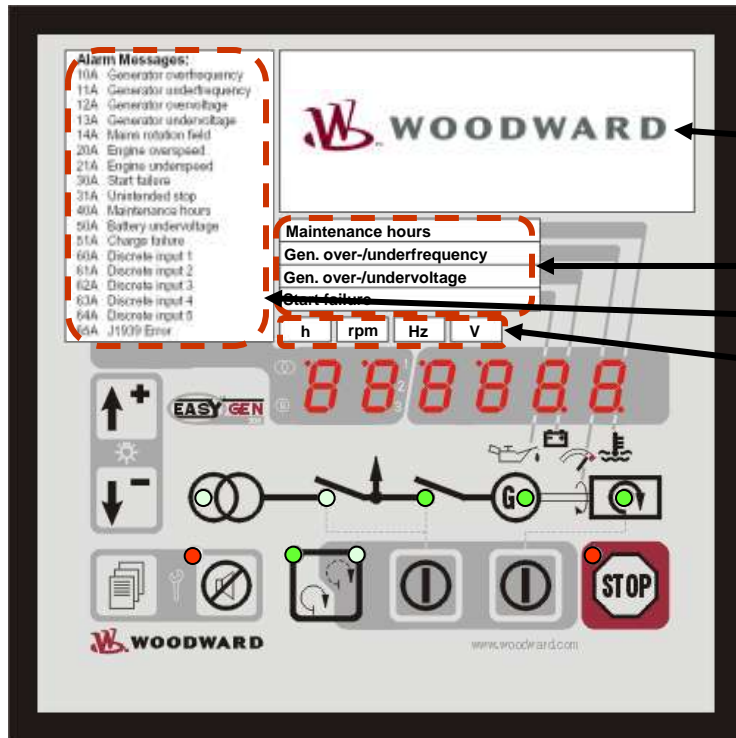
August 04

easYgen-300: Front Panel

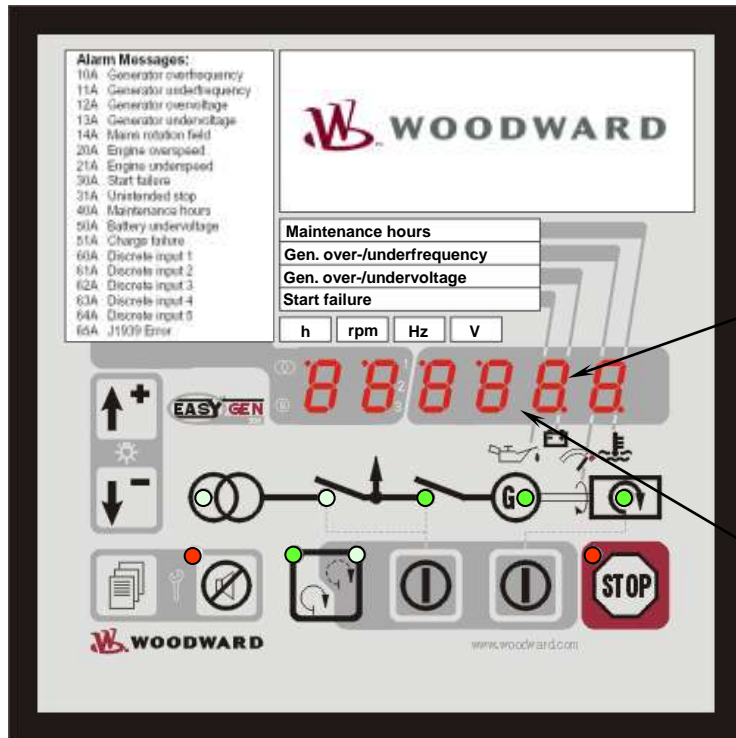easYgen-350

printable paper strip inserts for

- company brand lable
  or ECU alarm codes list
- 4 Annunciator text messages
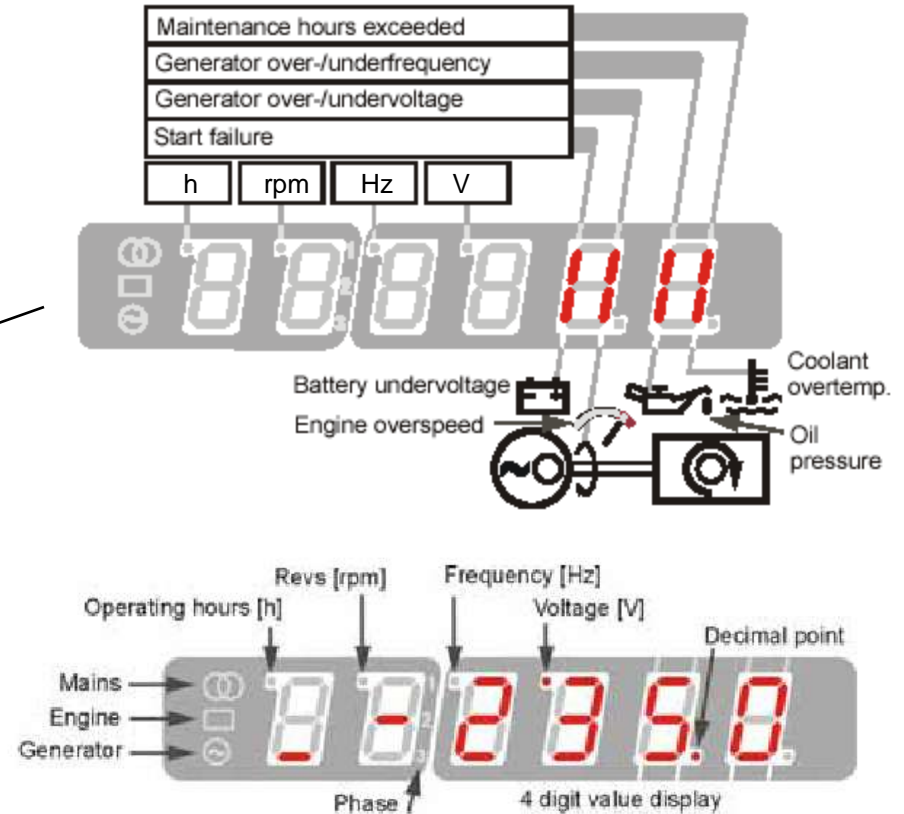- 18 Alarm messages
- legend for 4 annunciator lights

WOODWARD provides a Word file to generate customized paper strip inserts which may be printed in multiple languages.
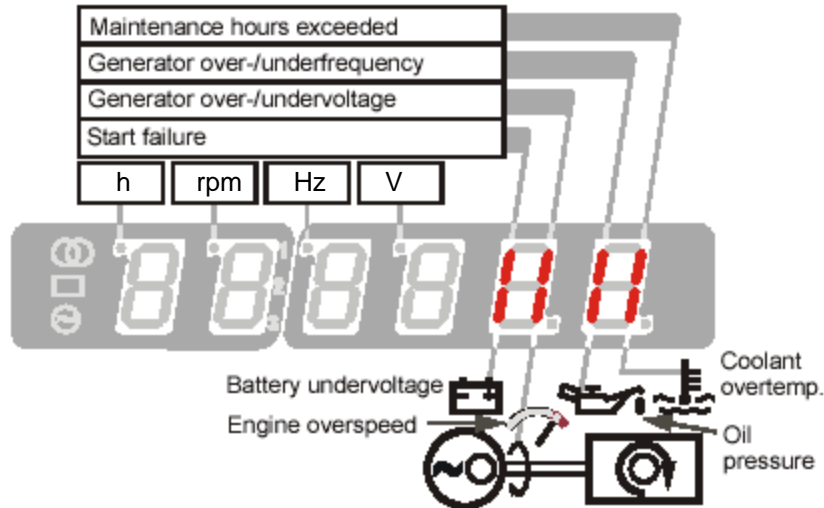easYgens include a pre-defined paper strip.
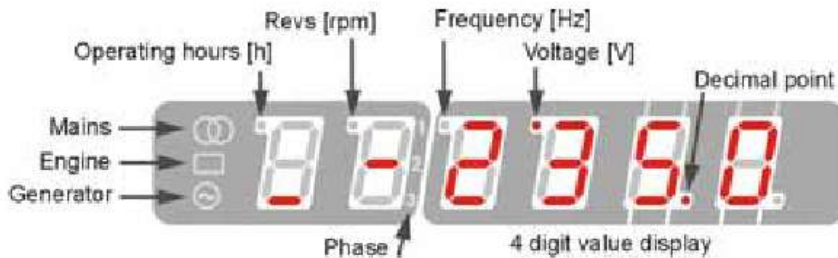
easYgen-300: 7-Segment-Display

easYgen-350

August 04

easYgen-300: 7-Segment-Display

| Maintenance hours exceeded |
| Generator over-/underfrequency |
| Generator over-/undervoltage |
| Start failure |

| h | rpm | Hz | V |

Battery undervoltage
Engine overspeed

Coolant overtemp.
Oil pressure

Revs [rpm]
Operating hours [h]
Frequency [Hz]
Voltage [V]
Decimal point

Mains
Engine
Generator

Phase
4 digit value display

Display information:

•Operating hours counter
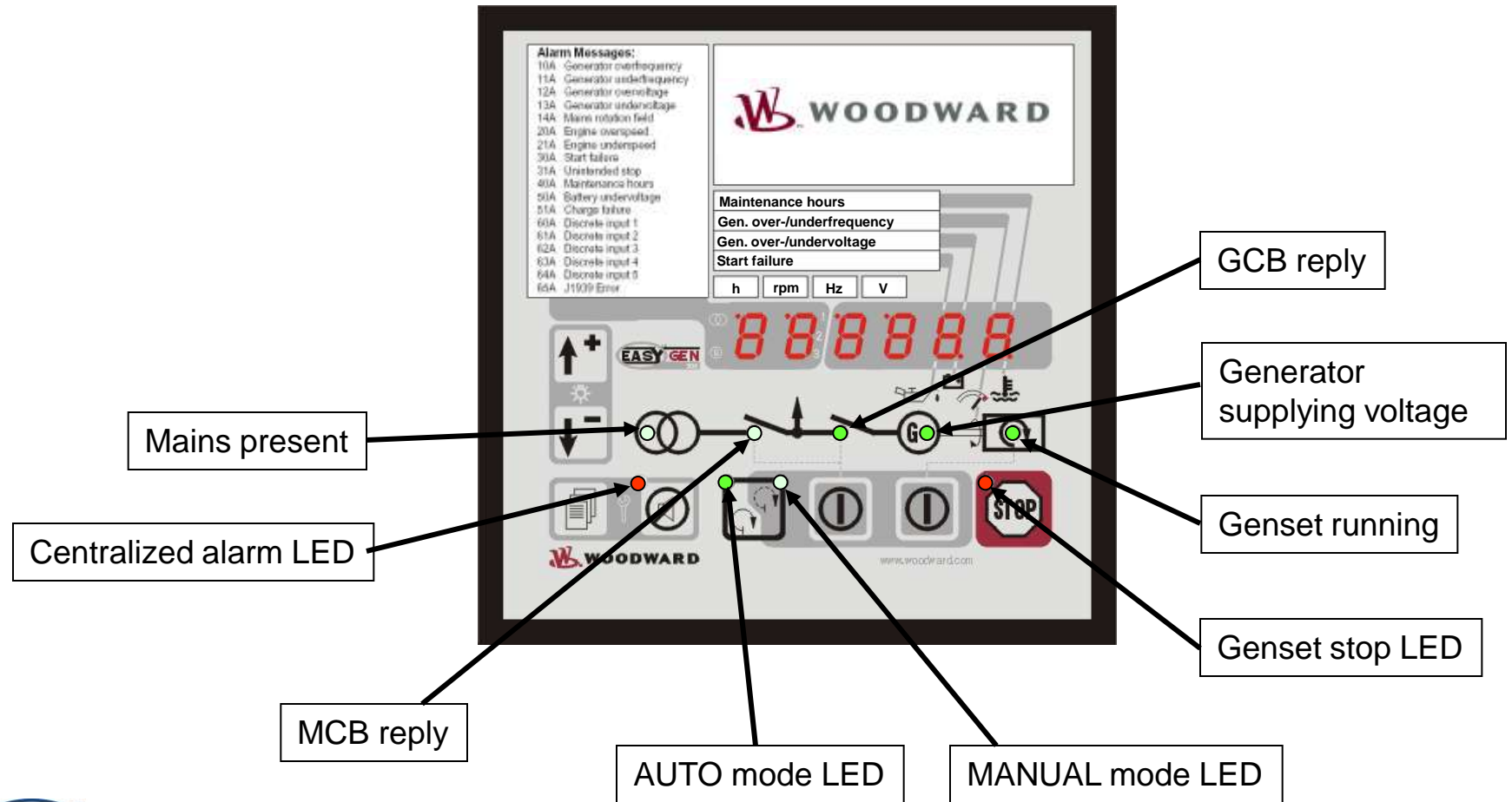•Service hours counter
•Start counter
•Engine speed (X-package + MPU required)
•Generator/mains frequency
•Generator/mains voltage line to line/ line to neutral
•Battery voltage monitoring
•Charger voltage monitoring
•J1939 ECU codes (X-package required)
•Generator/mains V<>, f<>
•Mains field rotation
•Engine over/under speed
•Start fail , charge fail
•Alarms generated by discrete inputs

easYgen-300: Push Buttons

2 push buttons for configuration and LED test

Scroll and configuration button

Alarm reset, horn silence

AUTO/MANUAL mode push button

GCB/MCB open/close in MANUAL mode

Genset start in MANUAL mode

Genset stop push button

August 04

easYgen-300: LED's

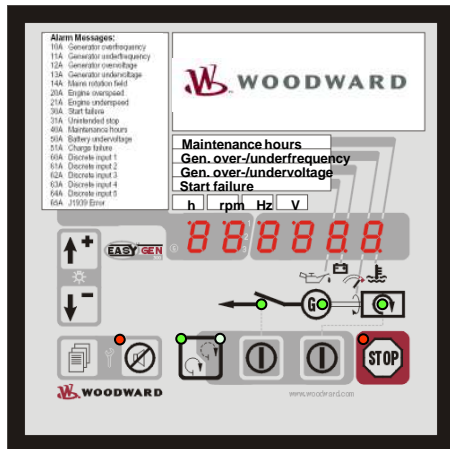August 04

easYgen-300: I/O Set

- 1x generator voltage (1phase, range 120 to 480 Vac)
- 3x mains voltage (3phase, range 120 to 480 Vac)
- 5x discrete inputs (alarm, control; galvanic isolated)
- 4/6x discrete outputs (alarm, control, dry contacts)
- D+ input for aux. excitation and charger voltage monitoring
- 8x control push-buttons
- 9x LED for status display
- 6 digit 7segment LED for
    - alarm messages (8 displayed messages; more via codes)
    - configuration
    - operating values (generator and mains voltage/frequency, engine speed…., ECU Data and more via numeric codes)
    - counters (running hours, service hours, number of starts)

easYgen-300: Features

- Start/stop sequence
    - By discrete input (remote start)
    - Using push-button (Front Panel operation).
    - LOM (Loss of mains) with emergency power sequencing
- Maintenance call
- Event recorder with memory for 15 events
- Single-line diagram with status display of engine, generator, mains, and breakers
- Flush-mounting
- Service interface
- International front foil (via individual printed texts)

- /X-package additional
    - 1x speed input (pickup/inductive & switching)
    - CAN bus
    - 3 phase generator voltage measurement

Configuration via DPC-1
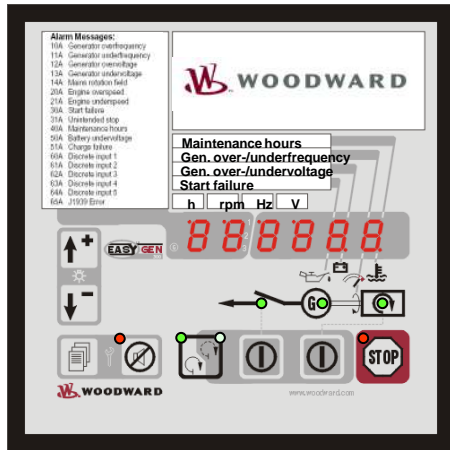
easYgen 300
RJ45 socket edgewise

RS232

Configuration cable
with galvanic isolation (black box)
DPC-1 P/N 5417-557

RS232
COM1

Laptop with Windows
operation system
9x, NT, ME, 2000, XP
LeoPC
Configuration possible

August 04

CAN to USB

up to 4 controls can connected on the same CAN Bus

CAN

Max 250 m

USB

easYgen 320X/350X
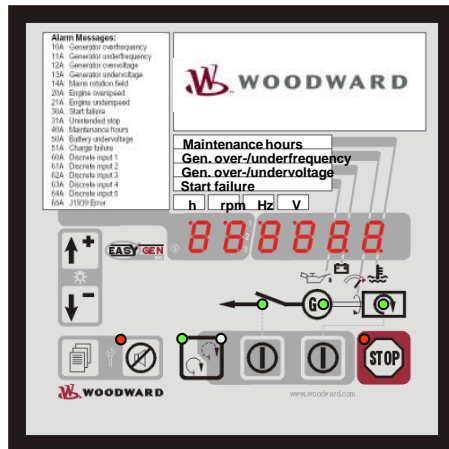Terminals 3/4

IXXAT CAN2USB converter
http://www.ixxat.de

Laptop with Windows
operation system
9x, NT, ME, 2000, XP
LeoPC
Configuration and
visualization

August 04

Direct GSM Modem connection

RS232

DPC-1

easYgen 300
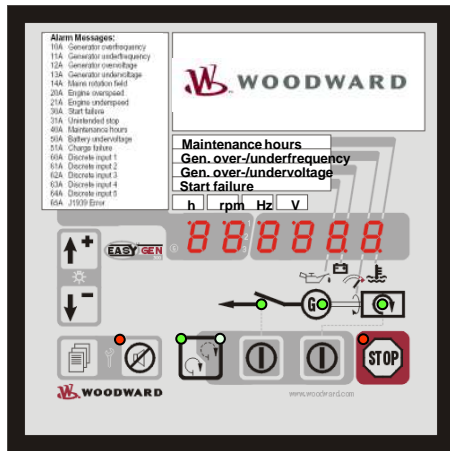RJ45 socket edgewise

INSYS
GSM Modem
http://www.insys-tec.de

Laptop with Windows
operation system
9x, NT, ME, 2000, XP
LeoPC
Configuration and
visualization

August 04

Direct landline Modem connection

RS232

DPC-1
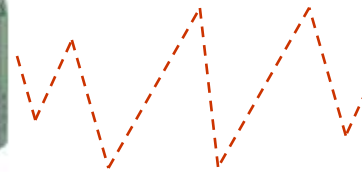
easYgen 300
RJ45 socket edgewise

Phoenix
landline Modem
With discrete input for dial up

Laptop with Windows
operation system
9x, NT, ME, 2000, XP
LeoPC
Configuration and
visualization

August 04

Thank you for your attention

August 04