

Field Bus Gateway FBG10

The FBG series of gateways is used to interface different fieldbus systems, such as Profibus, Interbus etc., to JVL units equipped with an RS232 interface. They thus function as gateways between a fieldbus and the RS232, translating commands bidirectionally between the two systems.

In this way it is possible for example to use a PLC to control velocities, displacement and register contents directly from a fieldbus, and to read error codes, position, register contents, inputs and outputs from connected JVL modules. Important operating parameters, I/O status, etc., are continuously monitored by the FBG10 and can therefore be quickly read by the fieldbus.

The FBG10 series of Field Bus Gateways thus provides an inexpensive solution for applications that use a fieldbus together with JVL modules which only have an RS232 interface.

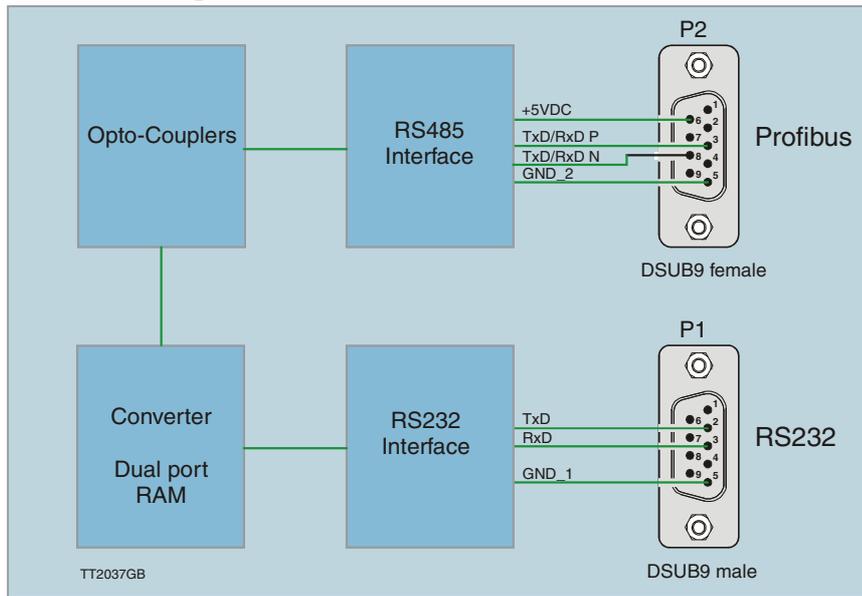
Customised models of the FBG10 can also be produced for RS232 protocols other than JVL's own.



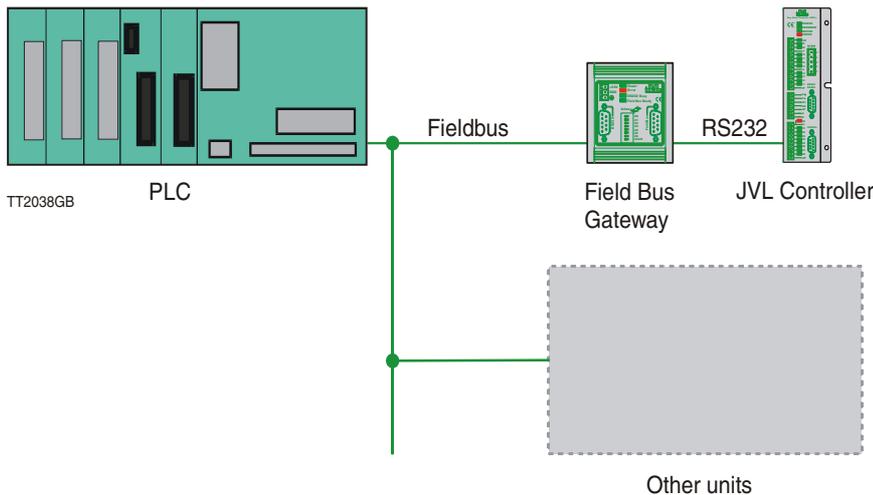
- Fieldbus protocols:
 - Profibus-DP slave
 - CAN - OPEN*
 - Interbus-S slave*
 - P-Net slave*
 - DeviceNet slave*
 - Other protocols on request
 - RS232 interface
 - Fieldbus slave address set on dip-switch
 - DIN rail mounting
 - 10-30 VDC operation
 - Compact unit which is easily mounted
 - LED indication for Power, Ready, Busy RS232/Fieldbus
 - Differential bus interfaces with opto-couplers
 - DSUB and Combicon connectors
 - CE approved
 - Dual port RAM for exchange of data
 - Can be connected to JVL Controllers AMC1x, AMC2x, SMC2x, DMC10 and Indexer SMI3x
- * under development (01-11-04)

FBG10 Field Bus Gateway

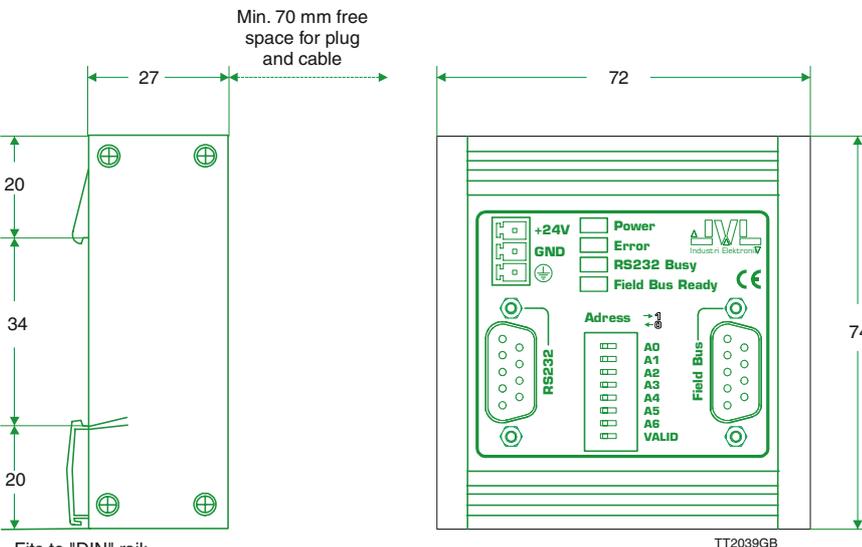
Block diagram



System set-up



Mechanical Dimensions



Fits to "DIN" rail:
DIN VDE 0611 part3, DIN EN 50022
EN 50035, EN 50045

All dimensions in mm

Specifications

- Supply Voltage: 10-30VDC
- Current Consumption: 100mA at 24VDC
- RS232 speed: 9600-19200 bps
- Fieldbus transfer rate 1.5Mbits
- Response time 1ms + RS232 transmission time
- Dimensions: HxBxD 74x72x27 mm
- Weight: 143 gr.
- Order numbers:
 - FBG10-PROFIBUS-DP
 - FBG10-INTERBUS
 - FBG10-CAN
 - FBG10-DEVICENET

Accessories

- Cable for RS232: 3m RS232-9-1
- Cable for RS232: 0.5m RS232-9-1-0.5
- DSUB plug 9-pole
 - male: CD0002
 - female: CD0003
- DSUB housing 9-pole: CD1001
- Diskette with Siemens S7example and gsd file QE0001
- User manual LB0046-01GB



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