

Alarm monitoring

EBUW 232 A

independent alarm monitoring module for EASYBus-modules
The EBUW232A monitors independently, it means without additional PC up to 240 EASYBus-modules for their alarm conditions. If an alarm is present, the alarm output of the EBUW 232 A will be set. With the included adapter cable the relay module GNR 232 A can be controlled. Additionally an adequate to the bus connected switching module (EBB ... OUT) can be controlled.

Power supply: 6 - 12 V DC, max. 10 mA
(connection over approx. 50 cm adapter cable)

Switching output: NPN open-collector,
max. switching capacity: 24 V, 50 mA
(connection over adapter cable)

GNG 12 - LE

plugin power supply 12 V DC / 300 mA

GNR 232 A

Power supply and relay module for EBUW 232 A

Power supply: 230 V, 50/60 Hz
Outout voltage: 12 V DC $\pm 5\%$ (regulated) 25 mA
Relay output: volt-free changeover contacts, switching current
max. 10 A ohmic load

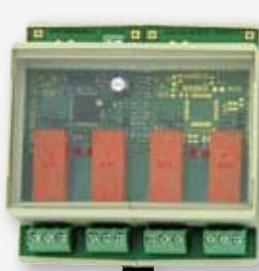
Connection: screw-type terminal
Dimensions: 96 x 61 x 60 mm (H x B x T)

EB 2000 MC

EASYBus-display and monitoring device for 9 channels
p.r.t. page 95

EB 3000

EASYBus-display, regulating and monitoring device for 20 channels
p.r.t. page 94



E.A.S.Y. Bus - Modul

Switching modules

EBB 2 OUT / BP

EASYBus switching module, 2 relays, bus-powered

EBB 2 OUT / 12V

EASYBus switching module, 2 relays

EBB 4 OUT / BP

EASYBus switching module, 4 relays, bus-powered

EBB 4 OUT / 12V

EASYBus switching module, 4 relays

General:

The EBB ... OUT / ... are switching modules for the EASYBus that can be arbitrarily placed on a location in the bus system. The control of the modules' relays is realized by an alarm monitoring module EBUW 232A or by PC-software (e.g. EASYControl).

There are 2 different design types of the switching modules:

- ... / BP:** Bus Power - no external auxiliary supply needed
- ... / 12V:** external 12 V-supply needed - this allows faster switching and a higher operating reliability due to adjustable preferred relay states in case of a system failure. (Power supply unit not in scope of supply)

Specification:	EBB 2 OUT / BP	EBB 4 OUT / BP
Power supply:	Powered by the EASYBus	
Switching outputs:	2 changers	4 changers
Switching reaction:	< 1 s	< 2 s
Switching power:	max. 250 V AC / 16 A ohmic load	
Connection:	screw type terminal	
Dimensions:	96 x 48 x 60 mm	96 x 94 x 60 mm

Specification:	EBB 2 OUT / 12V	EBB 4 OUT / 12V
Power supply:	12 V DC $\pm 10\%$ / 150 mA	
Switching outputs:	2 changers	4 changers
Switching reaction:	< 0,1 s	< 0,1 s
Switching power:	max. 250 V AC / 16 A ohmic load	
Connection:	screw type terminal	
Dimensions:	96 x 48 x 60 mm	96 x 94 x 60 mm



Remote operation

MODEM 2600

analog hat rail MODEM with alarm input and SMS alarm for the EASYBus remote data transfer via analog telephone nets.

Scope of delivery:
1 x Modem, 1 x plug power supply, 1 x TAE cable, 1 x protocol converter EBUW 232, 1 x null modem cable, 1 x 9-pol. DSub connection cable

MODEM 3500 GSM

GSM MODEM with alarm input and SMS alarm for the EASYBus remote data transfer via 900 MHz mobile nets (D1, D2, etc.).

Scope of delivery:
1 x Modem, 1 x protocol converter EBUW 232, 1 x null modem cable, 1 x 9-pol. DSub connection cable

Accessories:

Antenna GSM
(Dual-band industrial antenna with bracket)

DFM 232 SET

Wireless data connection, 433 MHz, consisting of transmitter and receiver for wireless data transmission to EASYBus-modules via 433 Mhz radio network. Bi-directional RS 232 interface (DB9), e.g for the connection of EBW 1, large range of up to 1500 m at free air, within buildings similar to DECT telephones.

LAN 3100

Gigabit Ethernet to USB converter
For inquiring EASYBus modules, GMH handheld devices with interface or GDUSB 1000 via network. 2 USB ports for direct connection of EBW 3, USB 3100N or GDUSB 1000 (up to 15 with USB hub). Connection of EBW 1, EBW 64 or EBW 240 via USB adapter (included to scope of delivery)

Accessories:
power supply unit, USB adapter, operation manual, driver CD