ISYGLT®

FW modem analogue

General

The FW modem enables communication and data exchange between a local computer and a remote ISYGLT system via the analogue telephone network. ProgrammDesigner allows you to carry out diagnostic functions on the remote ISYGLT system and import new switching times or programs. Remote enquiries about active switching times and inputs or outputs are simple. User errors affecting the system are also detected quickly. A special feature of the FW modem is its secure data transfer. It enables remote initialisation and can therefore be directly connected to the ISYGLT system. Diagnosis and program modifications can be undertaken quickly without having to wait for service staff. Fast response times to customer requests and the fact that there are no travel expenses to the customer mean that an FW modem offers you a decisive competitive advantage. A combination of master and FW modem is particularly recommended for widespread systems. Once the FP modem is connected, all you have to do is move the switch from "SUBD/terminals" to "terminals" on the master.

In contrast to FP modem the FW modem offers the further possibility to send fault indications by fax or SMS for controlling the both outputs by using of a DTMF able phone. Hereby it is possible to invoke longer switch sequences. The configuration of the IN and OUTPUTS can be done conveniently via PC.

Inputs / Outputs
• 2 optical coupler inputs 12-48V for fault indications by fax or SMS
• 2 transistor outputs for telecontrol via phone (DTMF), each 24V/50mA, +Ub switched

Function displays
• 1 red LED indicates the online mode
• 1 flashing red LED indicates the stand-by status
• 1 red LED indicates the existing operating voltage
• 1 red LED signalise the parameter mode
• 1 green LED indicates the state of input 1
• 1 green LED indicates the state of input 2
• 1 green LED indicates the state of output 1
• 1 green LED indicates the state of output 2

Connections
• 1 connection for the subnet (BUS A and B, RS485)
• 1 connection for the operating voltage (Ub, 0V)
• 2 P-COM connections (subnet and operating voltage)
• 1 connection RS232 to terminals
• 1 RJ12 telecommunication connection bush
• 2 inputs for fault indications per fax or SMS, 12-48V
• 2 outputs for telecontrol per phone (DTMF), each 24V/50mA, +Ub switched

Design

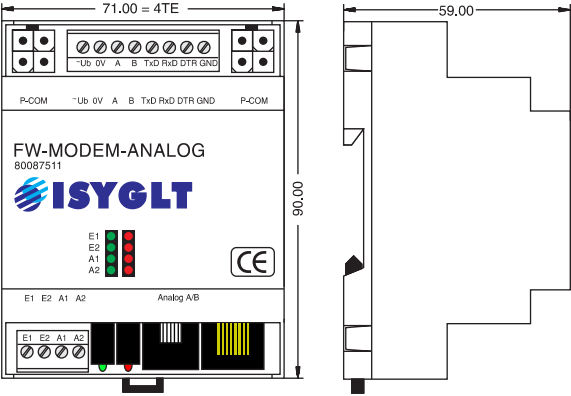• Light grey plastic casing, can be snapped onto 35 mm DIN rail mounting 6 separating units

Technical data

Type	FW modem analogue
Art. Nr.	80087511
Operating voltage	12V to 35V DC or 12V to 27V AC
Current consumption	max. 200mA
Dimensions	BxHxT 70x90x60mm
Weight	180g
Connections	Screw terminal pluggable 2,5mm², RJ12 for phone line
Operating temperature	-10...+50°C
Storage temperature	-25...+70°C
Humidity	0 ...85 % r.F. non condensing
Protection grade	IP30
Baudrate	14400 Bit/s
ESD immunity	Category 3 according to IEC-1000-4-2 (4 kV static)
EMV immunity	Use in typical industrial enviroment. Category 3 according to IEC-1000-4-4 (Test was carried out within a whole system)
CE sign	yes

Terminals assignment

≅ Ub	Operating voltage	E1	Input 1 for fault indications by FAX or SMS, 12-48V
0V	Operating voltage	E2	Input 2 for fault indications by FAX or SMS, 12-48V
A	Subnet (BUS A, RS-485)	A1	Output 1 for telecontrol per phone (DTMF), 24V/50mA +Ub switched
B	Subnet (BUS B, RS-485)	A2	Output 2 for telecontrol per phone (DTMF), 24V/50mA +Ub switched
TxD	V24 interface	Analog A/B	Telephon extension, RJ12
RxD	V24 interface		
DTR	V24 interface		
GND	V24 interface		

View

71.00 = 4TE

59.00

90.00

P-COM ~Ub 0V A B TxD RxD DTR GND P-COM

FW-MODEM-ANALOG
80087511

ISYGLT

E1
E2
A1
A2

CE

E1 E2 A1 A2   Analog A/B

Wiring diagram

+24V
0V=
BUS-A
BUS-B

Ub 0V BUS A1 BUS B1

MA-BR

ISYGLT-master-module

Art.Nr.: 80011050

with batterie-RAM

RxD GND TxD

U+ 0V A B E1 E2

ISYGLT-FW-Modem
Analog

Art.Nr.:
80087511

RxD GND TxD A1 A2

TAE-plug