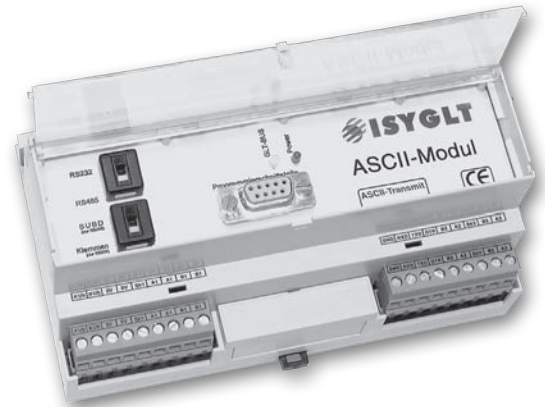


ASCII-Transmit-Modul

General

With the ASCII transmit module it is possible to send ASCII strings via the RS232 interface to control foreign devices. The operational area for this are e.g. in the professional audio visual areas. Many studio devices have a RS232 interface and can be controlled by so-called ASCII string sequences. The adaption of the protocol to the recommended device is possible individually.



Function displays

- 1 red LED „power“ indicates the supply voltage. This LED is alight, when the supply voltage at module exists
- 1 flashing yellow LED „BUS“ signalise the communictaion with the subnet

Connections

- 2 connections for the subnet (BUS A and B, RS-485)
- 2 connections for the operating voltage (Ub, 0V)
- 1 connection for the 2nd serial interface (RS232)
- 1 connection for the 2nd serial interface (RS232 for SUB-D)
- 1 connection for the 3rd serial interface (reserve)

Design

- Light grey plastic casing, can be snapped onto 35 mm DIN rail mounting 9 separating units

Special function DIP switch

Switches S1 and S2 is located behind the transparent cover on the ASCII module (see „View“). You have to lift up the cover for configuration.

- **S1** (above)
 - **position RS232:**
This is a RS232 interface (standard)
 - **position RS-485:**
reserved

- **S2** (below)

- **This switch is only effectual, if switch S1 is placed on position RS232.**

- **position SUBD:**

- The RS232 interface for programming is applied to a SUBD bush

- **position terminals:**

- The RS232 interface to control the connected device is applied to the terminals GND, RXD and TXD.

Protocol for the data exchange to a foreign system via the serial interface (RS232) of the ASCII module

Communication parameter:

- type: asynchronous serial RS232
- connections: RXD, TXD, GND
- baudrate: 1200 to 38400 bit/s adjustable
- data format 8 data bit, 1 stop bit no parity

Delay adjustable between the individual message blocks in 5ms steps

999 any ASCII sequences with each up to 10 signs can be saved and sent.

Software DOS

For parametering of the ASCII-transmit module a software programm (DOS) is necessary. This program can be downloaded (free of charge) by the internet.

Technical data

Type	ASCII-Transmit
Art. Nr.	80087010
Operation voltage	12V to 35V DC or 12V to 27V AC
Current consumption	12V DC 130mA, 24V DC 70mA, 35V DC 60mA / 12V AC 140mA, 24V AC 75mA, 27V AC 70mA
Interface 1	RS-485 for the subnet (RS-485) to communicate with the modules
Interface 2	RS-232 for connection PC / devices
Interface 3	Reserve

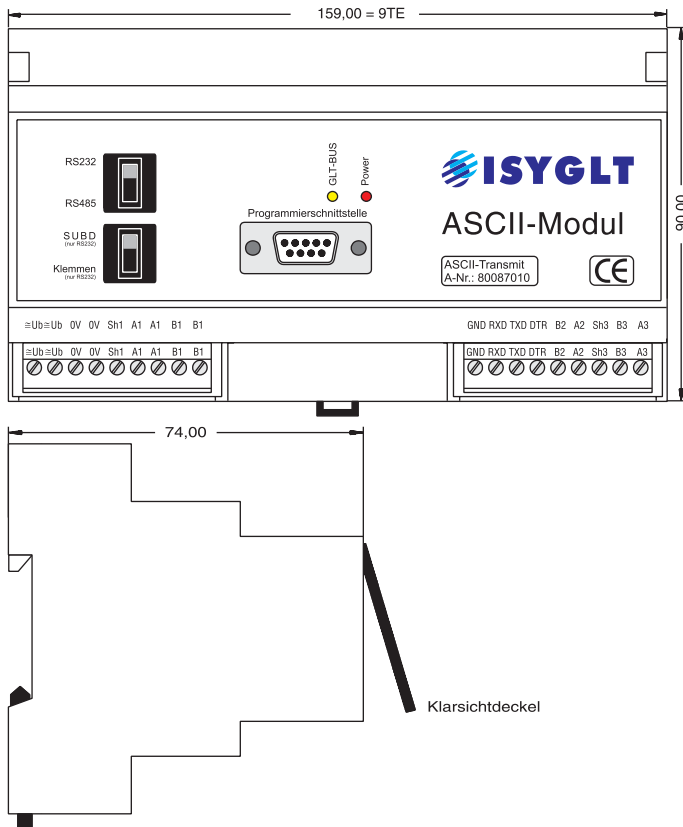
ASCII-Transmit	Continued
Memory	Memory for ASCII sequences: 16 KByte (EEPROM)
	Data memory: 32 KByte (RAM)
Connection	Screw terminals 1,5mm ² pluggable
Dimensions	BxHxT 160x90x74mm (9 TE)
Weight	300 g
Operating voltage	-10...+50 °C
Storage voltage	-25...+70 °C
Humidity	0...85 % r.F. non condensing
Protection grade	IP 30
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-000-4-4 (Test was carried out within a whole system)
CE sign	yes

Terminal assignment

Terminals	Left
≡ Ub	Operating voltage
≡ Ub	Operating voltage
0V	0V Operating voltage
0V	0V Operating voltage
Sh.1	Free
A 1	Subnet (BUS A, RS-485)
A 1	Subnet (BUS A, RS-485)
B 1	Subnet (BUS B, RS-485)
B 1	Subnet (BUS B, RS-485)

Terminals	Right
GND	Program interface / datas (RS-232) mass
RxD	Program interface / datas RS-232) RxD received line
TxD	Program interface / datas (RS-232) TxD transmission line
Sh.2	Free
B 2	Reserve
A 2	Reserve
Sh.3	Free
B 3	Reserve
A 3	Reserve

View



Wiring diagram

