

AD-04/12BIT

General

The parameterisation module is used to enter four target values 0-10V to the subnet. The resolution of each channel is 12 bits. The individual analogue channels are available in the master module for other connections according to the application.



In- / Outputs

- 4 analog inputs 0-10V, 12 bit resolution
- reference voltage +10V

Function displays

- 1 red LED indicates the operating voltage
- 1 yellow flashing LED signalise the communication to the master via subnet

Connections

- 1 connection for the subnet (BUS A and B, RS-485)
- 1 connection for the operating voltage (Ub, 0V)
- 4 connections for the analog voltages
- 1 connection for +10V reference voltage for supply of the potentiometers
- 2 P-COM connections (subnet and operating voltage)

Design

- Light grey plastic casing, can be snapped onto 35 mm DIN rail mounting 3 separating units

Special function DIP switch 1

- mode
 - switch OFF normal operation
 - switch ON compensation (for long analog supply pipes)

Technical data

Type	AD-04/12BIT
Art. Nr.	80027300
Operating voltage	12-35V DC or 12V-27V AC
Current consumption	max. 100mA at 35V, max. 140mA at 24V, max. 180mA at 12V
Input current	4 analog channels 12Bit resolution 0-10V (an 47kOhm)
Reference voltage output	1 output +10V, output voltage max. 10mA short circuit proof
Insulation voltage	300V (subnet / analog input, reference voltage)
Subnet (RS-485)	max. 5,6V limited by Z-diodes

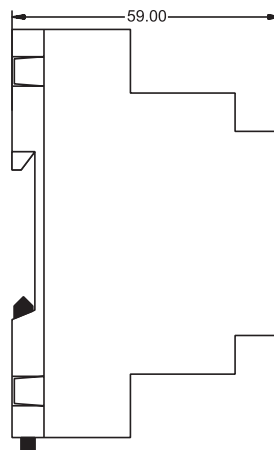
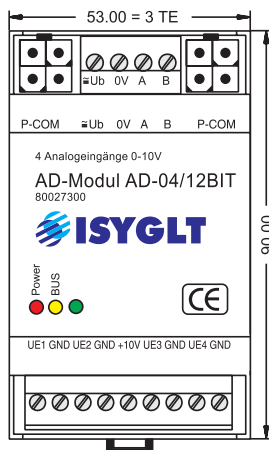
Technical data

AD-04/12BIT	Continued
Dimensions	LxBxH, 53x90x59mm = 3TE
Weight	230g
Connections	Screw terminals pluggable
Operating temperature	-10...+50°C
Storage temperature	-25...+70°C
Humidity	0 ...85 % r.F. non condensing
Protection class	IP30
ESD immunity	Category 3 according IEC1000-4-2
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
0V	Operating voltage
A	Subnet (BUS A, RS-485)
B	Subnet (BUS B, RS-485)
UE1	Analog input 1
GND	0V analog input
UE2	Analog input 2
GND	0V analog input
UE3	Analog input 3
GND	0V analog input
UE4	Analog input 4
GND	0V analog input

View



Wiring diagram

