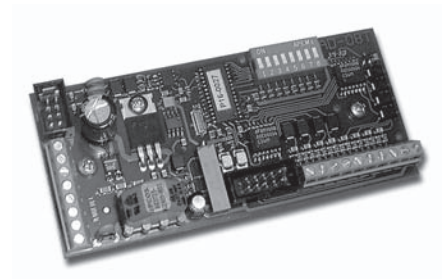


AD-08T-10V

General

The tablet analog module reads 8 separate analogue values 0-10V into the subnet. The resolution of each channel is 8 bits.

The individual analogue channels are available in the master module for other connections according to the application.



In- / Outputs

- 8 analog inputs 0-10V
- 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

- 2 connection for the subnet (BUS A and B, RS-485)
- 2 connection for the operating voltage (Ub, 0V)
- 8 analogue inputs
- 1 connection for a +10V reference voltage

Design

- printed circuit board without any casing, can be snapped onto 35 mm DIN rail

Special function DIP switch 1

- reserve

Technical data

Type	AD-08T-10V
Art. Nr.	80027250
Operating voltage	12-35V DC or 12V to 27V AC
Current consumption without load (+10V)	12V DC = 50mA, 24V DC = 27mA, 35V DC = 20mA
Current consumption 50 mA load	12V AC = 45mA, 24V AC = 25mA, 12V DC = 80mA, 24V DC = 40mA, 35V DC = 30mA
Inputs	0...10V DC not galvanic separated
Input resistance	47kOhm to masse
Subnet (RS-485)	max. 5.6V limited by Z-diodes
Dimensions	LxBxH 110x48,5x30mm
Weight	60g

Technical data

AD-08T-10V	Continued
Connections	Screw terminals 1,0mm ² , or tub plugg for flat cables
Operating temperature	-10...+50°C
Storage temperature	-25...+70°C
Humidity	0 ...85 % r.F. non condensing
Protection class	IP00
EMV immunity	Use in typical industrial enviroment. Category 3 lt. IEC-1000-4-4 (Test was carried out within a whole system)
CE sign	yes

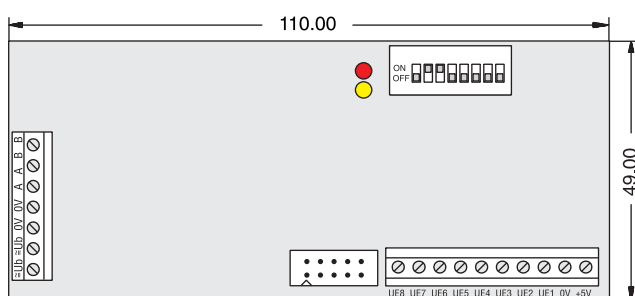
Terminal assignment

≅ Ub	Operating voltage
≅ Ub	Operating voltage
0V	Operating voltage
0V	Operating voltage
A	Subnet (BUS A, RS-485)
A	Subnet (BUS A, RS-485)
B	Subnet (BUS B, RS-485)
B	Subnet (BUS B, RS-485)

tub plugg	
1	+10V for potentiometers
2	0V for potentiometers
3	analog input 1
4	analog input 2
5	analog input 3
6	analog input 4
7	analog input 5
8	analog input 6
9	analog input 7
10	analog input 8

terminals	
+10V	+10V for potentiometers
0V	0V for potentiometers
UE1	analog input 1
UE2	analog input 2
UE3	analog input 3
UE4	analog input 4
UE5	analog input 5
UE6	analog input 6
UE7	analog input 7
UE8	analog input 8

View



Wiring diagram

