Robotina d.o.o.
OIC Hrpelje 38
SI-6240 Kozina
Slovenia

AiR-12

Resistive inputs (RTD) 12xPt100/1000, Ni100/1000 or potentiometer

Model number:	**AiR-12**
Mounting:	DIN rail

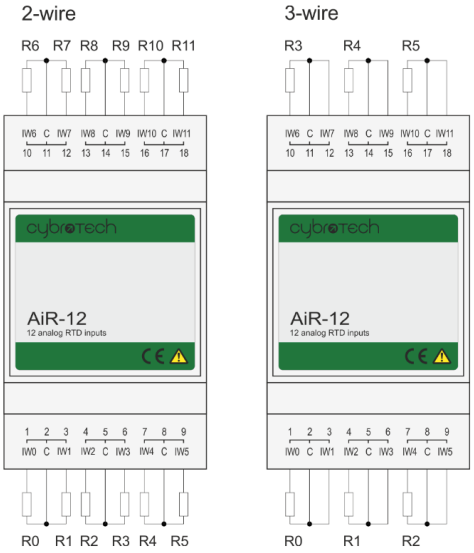
Features

- IEX-2 module
- 12 RTD inputs

Technical specification

Input type	Pt100/1000 (DIN751) auto selectable, measuring range -100..300°C
	Ni100/1000 (DIN43760) auto selectable, measuring range -50..160°C
	Ni100/1000 (Landis & Gyr) auto selectable, measuring range -50..160°C
	potentiometer 0..2000ohm
Sensor current	190uA (each sensor)
Wire resistance	20ohm max. (3-wire mode)
Resolution	14 bits in 0.1% mode
	12 bits in 0.5% and 1% mode
Temperature drift	+/-0.01%/°C of measuring range
Scan time	30ms..980ms, depends on input mode
Calibration reference	150.00ohm, 1500.0ohm
Power supply	24V (18..28V), 50mA
Galvanic isolation	1kV between digital and analog circuit
	no isolation between chanels
Operating conditions	0..50°C, 0..85% rh non-condensing
Weight	160g
Degree of protection	IP20
Level of ambient pollution	2
Standards	EN 61010-1, EN 61010-2-201, EN 61131-2

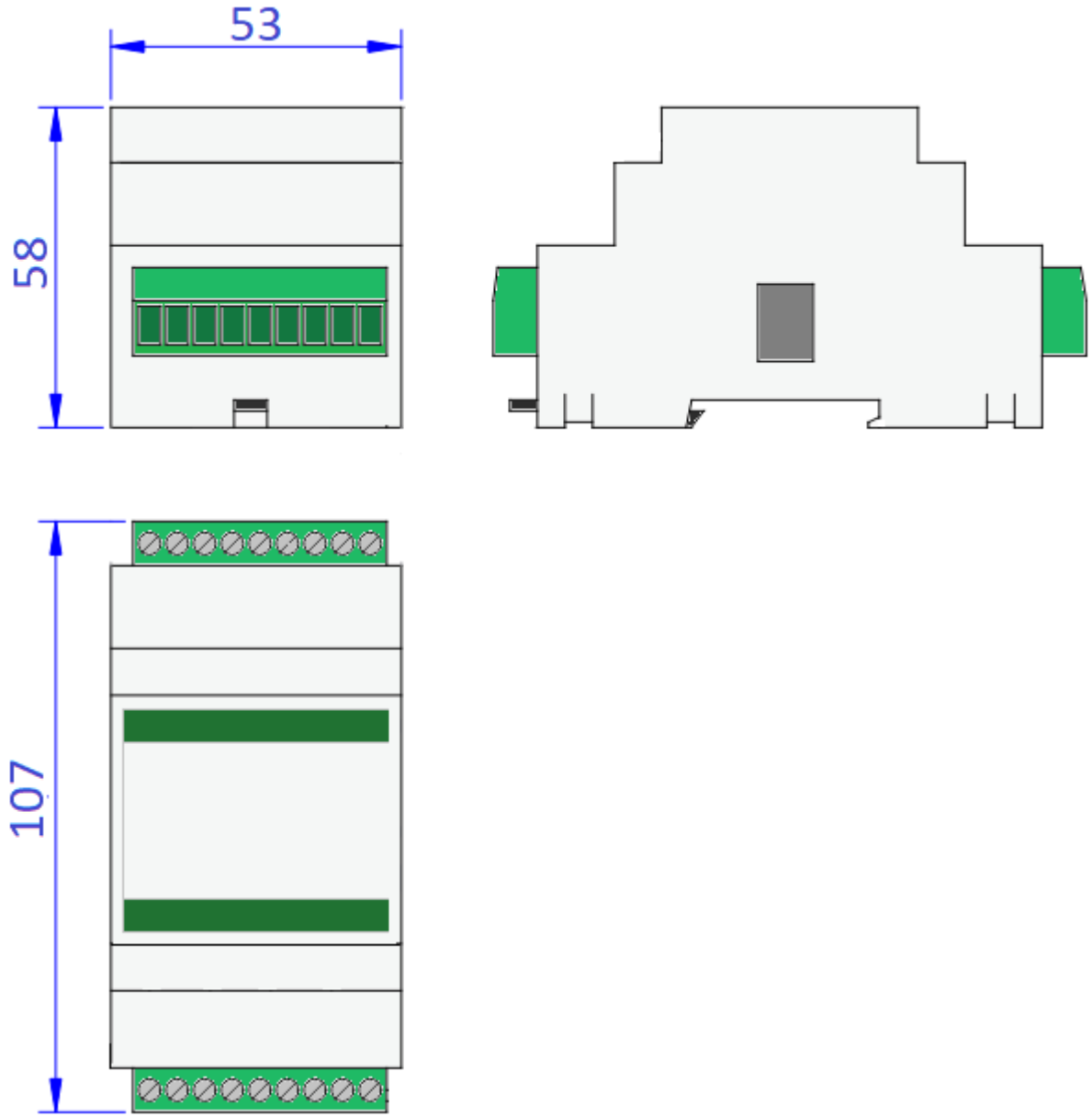
Terminals



INPUT MODE

mode	no.ch	connection	accuracy	scan time	integration time	auto calibration
0	12	2-wire	0.1%	1120ms	60ms	each cycle
1	12	2-wire	1%	480ms	20ms	each cycle
2	12	2-wire	5%	360ms	20ms	every 10 minutes
3	6	2-wire	0.1%	700ms	60ms	each cycle
4	6	2-wire	1%	300ms	20ms	each cycle
5	6	2-wire	5%	180ms	20ms	every 10 minutes
6	4	2-wire	0.1%	560ms	60ms	each cycle
7	4	2-wire	1%	240ms	20ms	each cycle
8	4	2-wire	5%	120ms	20ms	every 10 minutes
9	2	2-wire	0.1%	420ms	60ms	each cycle
10	2	2-wire	1%	180ms	20ms	each cycle
11	2	2-wire	5%	60ms	20ms	every 10 minutes
12	1	2-wire	0.1%	350ms	60ms	each cycle
13	1	2-wire	1%	150ms	20ms	each cycle
14	1	2-wire	5%	30ms	20ms	every 10 minutes
15	6	3-wire	0.1%	1120ms	60ms	each cycle
16	3	3-wire	0.1%	700ms	60ms	each cycle
17	2	3-wire	0.1%	560ms	60ms	each cycle
18	1	3-wire	0.1%	420ms	60ms	each cycle

Dimensions


53
58
107