

### Remote input module communicating on RS-485

**Features:**

- Field-Bus remote data acquisition;
- RS-485 Master/Slave communication type;
- MODBUS RTU/ASCII protocol;
- Input for mV, V, Tc, RTD, resistance;
- Watch-Dog Alarm, remotely configurable;
- 2000 Vac 3-way Galvanic Isolation;
- High Accuracy, EMC compliance – CE mark;
- DIN rail suitable mounting - EN-50022 compliance



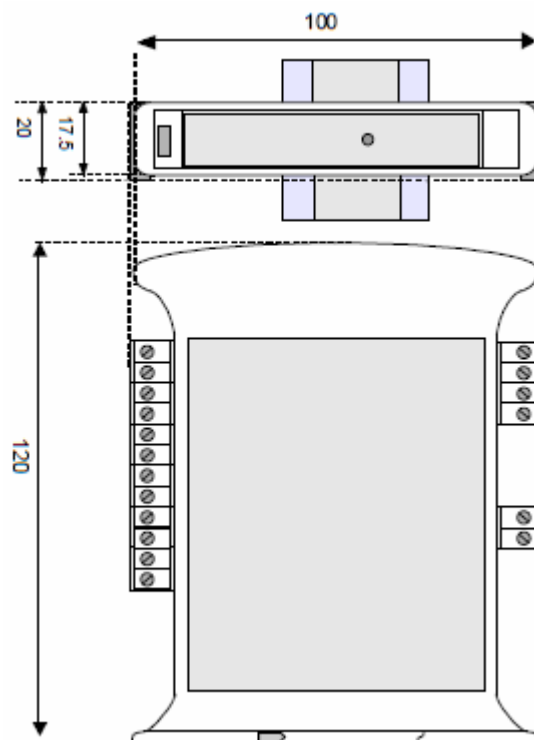
**Available models:**

Model	No. channels	Input type	Sample time	Private
DAT 3010	1 input	mV, V, mA, Tc, RTD, rezistance	300ms	1 digital input + 2 digital output NPN
DAT 3014	4 inputs	RTD, rezistance, potentiometer	0.5 ÷ 2sec	Connection 2 or 3 wire
DAT 3015-V	4 inputs	Voltage ± 10V	0.5 ÷ 1sec	-
DAT 3017-V	8 inputs	Voltage ± 10V	0.5 ÷ 2sec	-
DAT 3015-I	4 inputs	Current ± 20mA	0.5 ÷ 1sec	-
DAT 3017-I	8 inputs	Current ± 20mA	0.5 ÷ 2sec	-
DAT 3016	4 inputs	Tc, voltage ±1V	0.5 ÷ 1sec	Cold junction compensation
DAT 3018	8 inputs	Tc, voltage ±1V	0.5 ÷ 2sec	Cold junction compensation

**Technical specification :**

Distance / baud rate	Max. 1.2km / 38.4Kbps
Power supply	10 ÷ 30Vdc
Current consumption	30 ÷ 40mA@24Vdc
Polarity inversion protection	Max. 60Vdc
Isolation	2000Vac, 50Hz, 1min
EMC	Immunity : EN 61000-6-2 Emission : EN 61000-6-4
Operating temperature	-10 ÷ 60°C
Storage temperature	-40 ÷ 85°C
Humidity (not condensing)	0 ÷ 90%
Connection	Removable terminals
Case	Self-extinguishing plastic
Mounting	DIN rail
Weight	~ 150g

**Dimensions mm :**



State LED	Function
ON	Device powered
OFF	No power / wrong cabling
Fast blink	Communication in progres
1 second blink	Watch-Dog Alarm condition