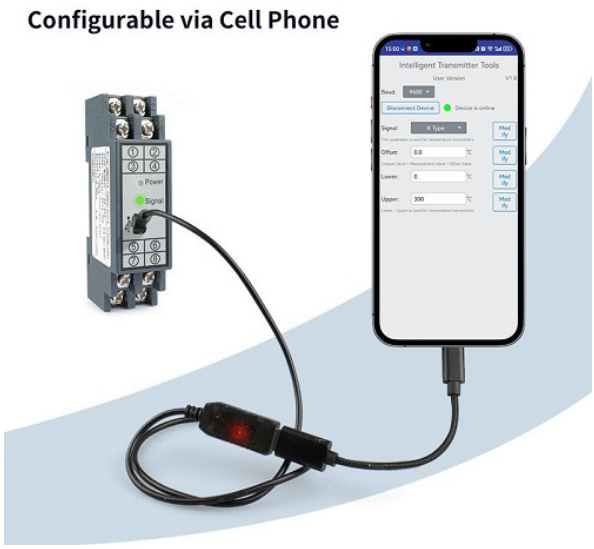
CRDS Rail din temperature Transmitter



General Features:

- Universal input, support RTD:Pt100, Cu50, Cu100
  Thermocouple:K,J,E,T,S,R,B,N,
  PT1000 and WRe needs to be custom made
- **2 wires 4-20mA output**
- Input configurable via **PC software** and **android smart phone**
- Built-in cold junction compensation
- DIN rail mount version
- High accuracy, 0.1% for RTD, 0.2% for TC
- USB cable for configuration purpose can draw power from
  or cell phone directly separate 24VDC power source is not
- Surge protection, reverse connection protection

The configuration can be done via software from PC or from android smart phone
Software is the same as our head mount transmitter

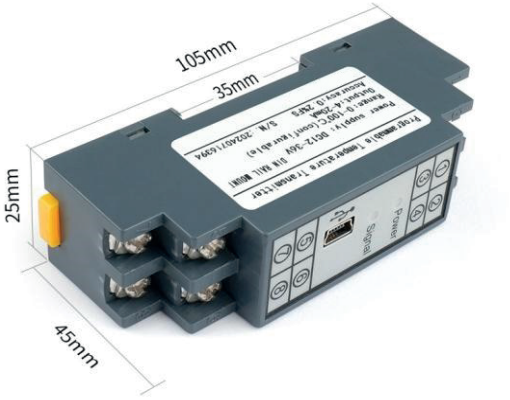
General Specifications

Item No	CRDS420
Sensor type	PT100,Cu50,Cu100,K,J,E,T,S,R,B,N PT1000 and WRe, these two inputs needs to be custom made, standard unit does not works with them
Cold end junction compensate range	-40℃~ + 80℃
Compensate accuracy	±1℃
Output	4-20mA
Load resistance	RL ≤ (Ue-12)/0.021
Over range alarm value	IH=20.8mA, IL=3.8mA
Input break output current value	21mA
Power supply	12-35VDC
Accuracy(ambient 20℃)	0.1% F.S for RTD, 0.2% F.S for TC
Temperature drift	0.01% F.S/℃
Response time	1ms to 90% of maximum output
Input/output isolation strength	Non-isolation
Input/output impedence	Non-isolation
EMC standard	IEC 61326-1
Working temperature	-40℃~ + 80℃
Mounting	DIN Rail Mount

Input signal and range

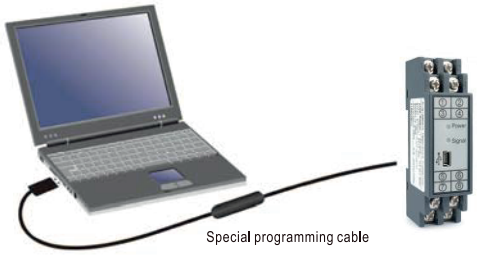
Sensor type	Specific sensor type	Measuring range	Minimum measuring range
RTD	Pt100	-200.0～850.0℃	10℃
	Cu50	-50.0～150.0℃	10℃
	Cu100	-50.0～150.0℃	10℃
TC	B	400～1800℃	50℃
	E	-100～1000℃	50℃
	J	-100～1200℃	50℃
	K	-180～1372℃	50℃
	N	-180～1300℃	50℃
	R	-50～1760℃	50℃
	S	-50～1760℃	50℃
	T	-200～400℃	50℃
Need to be custom made	Wre3-25	0～2315℃	500℃
	Wre5-26	0～2310℃	500℃
	Pt1000	-200.0～850.0℃	10℃

Dimension



Configuration guidelines

The configuration can be done via PC and android smart phone.



Connect the transmitter with PC using the programming cable provide by SRC,please noted that this is a custom made programming cable, do not use other cable otherwise the transmitter will be damaged. Please goes to our website and check our video tutorial on how to use our PC configuration software

For android cell phone, please download the APK file from our website and run the software on your android device, and then follow our video tutorial on the programming

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