1. PRODUCT PROFILE

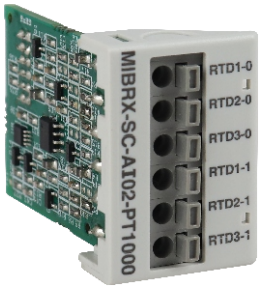


Figure 1.1 : Front view
Patents applied worldwide

2. DESCRIPTION

- MIBRX card as shown in figure 1.1 is used as a plug in module in MIBRX series.
- Easy to connect and replace.

NOTE : For installation procedure, refer MIBRX-XX-X-X-X Operating Instruction.

3.ELECTRICAL SPECIFICA TIONS

	MIBRX-SC-AI02-RTD-ISO	MIBRX-SC-AI02-TC	MIBRX-SC-AI02-TC-ISO	MIBRX-SC-AI02-V	MIBRX-SC-AI02-V-I	MIBRX-SC-AI02-V-ISO
No. of channels	2	2	2	2	2	2
Sensor type	PT100	J, K, T, R, S, C, E, B, N, L, U ,W, PLATINEL II, MILLIVOLT(-5 TO 65 mV)		Voltage	Voltage/ Current	Voltage
Measurement Range (DC)	As per sensor selection			0-10V	0-10V / 0-20mA	-10 - 10V
Type of input	Diffrential	Non-Diffrential	Diffrential	Non-Diffrential		Diffrential
Resolution	0.1°C	TC: 0.1°C / mV : 10uV		1 count = 1mV	1 count =1mV/0.002mA	1 count = 1mV
Digital resolution	12bit					
Input impedance in signal range (Ohms)		>330K			Voltage : >330K Current :100	>510K
Analog input error at 25 C	+-0.25% of full scale ± 1°C		+-0.25 % of full scale			
Absolute input range (DC)	NA			0 to 12V	0 to 12V / -2 to 22mA	-12 to 12V
Non linearity	+-0.25% of full scale		+-0.25% of full scale ± 1°C			
Conversion time	<100mS					
Channel Isolation	No					
Input isolation from PLC main module	Yes	No	Yes	No		Yes
Under range value	<-100°C	As per sensor selection		<-1V	<-1V / < -2mA	<12V
Over range value	>850°C			>11V	>11V / > 22mA	>12V
Protection against polarity Inversion	Yes					
Supply type	Self Powered					
Temperature	Operating : 0 to 55°C ; Storage : -20 to 70°C					
Humidity (non condensing)	10% to 95% RH					
Weight	10 gms approx					

	MIBRX-SC-AI02-I	MIBRX-SC-AI02-I-ISO	MIBRX-SC-AI02-NTC	MIBRX-SC-AI02-PT1000	MIBRX-SC-AI02-PTC	MIBRX-SC-AI02-RTD
No. of channels	2	2	2	2	2	2
Sensor type	Current		NTC	PT1000	PTC	PT100
Measurement Range (DC)	0-20mA		As per sensor selection			
Type of input	Non-Diffrential	Diffrential	Non-Diffrential			
Resolution	1 count = 0.002mA		0.1°C			
Digital resolution	12bit					
Input impedance in signal range (Ohms)	100		>2K	>510K	>2K	>510K
Analog input error at 25 C	+-0.25% of full scale		+-0.25% of full scale ± 1°C			
Absolute input range (DC)	-2 to 22mA		NA			
Non linearity	+-0.25% of full scale		+-0.25% of full scale ± 1°C			
Conversion time	<100mS					
Channel Isolation	No					
Input isolation from PLC main module	No	Yes	No			
Under range value	<-2mA		<-50°C	<-100°C	NA	<-100°C
Over range value	>22mA		>100°C	>850°C	NA	>850°C
Protection against polarity Inversion	Yes					
Supply type	Self Powered					
Temperature	Operating : 0 to 55°C ; Storage : -20 to 70°C					
Humidity (non condensing)	10% to 95% RH					
Weight	10 gms approx					

4. SAFETY SUMMARY

- To prevent risk of electric shock, power supply to the controller must be kept off while inserting / removing MIBRX-SC-AI02-X / MIBRX-SC-AI02-X-ISO

NOTE : For safety precautions, refer MIBRX-XX-X-X-X operating instruction.

5. DISCLAIMER LIABILITY

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However the information in this publication is reviewed and any necessary corrections are included in subsequent editions.

? SERVICE DETAILS

This device contains no user serviceable parts and requires special equipment and specialized engineers for repair.
Please contact service center for repair on the following numbers :
Tel. No. : + 91-7498077172 ; **Email :** service@selec.com
NO WARRANTY ON UNIT DAMAGED DUE TO WRONG POWER SUPPLY.

(Specifications are subject to change, since development is a continuous process.)

Selec Controls Pvt. Ltd., India
Factory Address :
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