1. PRODUCT PROFILE

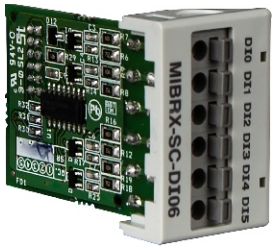


Figure 1.1 : Front view
Patents applied worldwide

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-DI04	MIBRX -SC-DI04 -ISO	MIBRX -SC-DI06	MIBRX -SC-DI06 -ISO	MIBRX -SC-DI06 -ISO-N	MIBRX -SC-DI06 -AC
No. of digital inputs	4		6			
Input type	DC-PNP				DC-PNP / NPN (Jumper)	AC
Supply type	Self Powered					
Temperature	Operating : 0 to 55°C ; Storage : -20 to 70°C					
Humidity (non condensing)	10% to 95% RH					
Operating range	0-30V DC					0-30V AC
Input detection	7-30V				7-30V(PNP) 0-4V(NPN)	7-30V
Input current	5.5mA@ 24V, 7.5mA@ 30V					
Isolation	No	Yes	No	Yes		No
Input Frequency	50 Hz max					
Debounce	0-10ms (Software selectable)					
Weight	10 gms approx					

Note : MIBRX-SC-DI06-AC is applicable only in MIBRX-2M-1-0-0-24VAC

4. SAFETY SUMMARY

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

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 :
EL-27/1, Electronic Zone, TTC Industrial Area, MIDC, Mahape, Navi Mumbai - 400 710, INDIA.
Tel. No. : +91-22-41 418 419/430 I Fax No. : +91-22-28471733 I Toll free : 1800 227 353(BSNL/MTNL Subscribers only)
Website : www.selec.com I Email : sales@selec.com

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-DI02-RO02	MIBRX -SC-DI02-RO03	MIBRX -SC-DI02-TO02	MIBRX -SC-DI02-AI01-T
No. of digital inputs	2			
Input type	DC-PNP			
Supply type	Self Powered			
Temperature	Operating : 0 to 55°C ; Storage : -20 to 70°C			
Humidity (non condensing)	10% to 95% RH			
Operating range	0-30V DC (for digital input)			
Input detection	7-30VDC			
Input current	5.5mA@ 24V, 7.5mA@ 30V (for digital input)			
Isolation	No (for digital input)			
Input Frequency	50 Hz max			
Debounce	0-10ms (Software selectable)			
No. of digital outputs	2	3	2	NA
Output type	Relay output		Transition output	NA
Output Rating	NO Type: 5A @ 230VAC 5A @ 30VDC		100mA max per output	NA
Response time	20 mS		10 mS	NA
Isolation between outputs	2.5 kV			
Related voltage	NA		18-30VDC (External)	NA
Weight	10 gms approx			

	MIBRX-SC-DI02-AI01T
No of channels	1
Sensor type	PT100,J,K,T,R,S,C,E,B,N ,L,U,W,PLATINEL 11, MILLI VOLT (-5 to 65mV)
Measurement Range	As per sensor selection
Input inpedance (Ohms)	> 330k
Analog input error at 25 C	+/- 0.25 % of full scale +/- 1ºC
Non linearity	+/- 0.25 % of full scale +/- 1ºC
Digital resolution	12 bits
Protection against polarity inversion	Yes
Conversion time	<100ms
Channel Isolation	NO
Input isolation from PLC main module	NO
Type of input	Non-Differential
Resolution	0.1ºC

Note : In this analog section only one (either RTD/ TC/ mV) can be selected at one time.

4. SAFETY SUMMARY

- To prevent risk of electric shock, power supply to the controller must be kept off while inserting / removing MIBRX-SC-DIXX/ROXX/TOXX/AIXX.

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

5. DISCLAIMER LIABILITY

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