

Notice: Product Change Notification

Date : 19th August 2024

Ref : N/202408019

Subject: End of life notice for Mikro's NX Series Protective Relays for Malaysia Market

Dear Valued Customers:

The following models listed on the table below are not recommended for new design as of the 19th of August 2024. The decision comes as part of our ongoing efforts to streamline our product offerings and focus on the latest technologies and innovation.

Type	Part Number	Recommended Replacement Part No.
Combined Overcurrent and Earth Fault Relay	NX1000A	RX1000
Earth Fault Relay	NX201A	RX232
	NX202A	
	NX231A	
	NX232A	
Over Current Relay	NX203A	RX233
	NX204A	
	NX233A	
	NX234A	
Earth leakage Relay	NX301A	R301 / RX300
	NX301E	RX300
	NX302A	
	NX300A	
	NX300EA	
	NX330A	RX330

The NX Series **will still be available for purchase**, but please note that **lead times will increase**, and orders will be fulfilled on a first-come, first-served basis based on existing stock availability.

Terms:

1. **Availability and lead time:** The availability of the NX series relay will now be based on a first-come, first-served basis as per the availability of our ex-stock. The **lead time** will be **confirmed on a case-by-case basis**.
2. **Minimum order quantity:** Minimum order quantity may apply for the order of the old NX Series.
3. **Exchange policy:** There will be no exchange of the old NX Series with the newer RX/R Series once the order has been completed and delivered.
4. **Order's terms & condition:** the order of old NX Series will be non-cancellable and non-returnable once confirmed.
5. **Phased Out Timeline:** The NX Series will be **gradually phased out** over a period of two years from the date of this letter.
6. **Technical Support:** We will **continue to provide technical support for the NX Series throughout the warranty period of the product**. Technical Changes The new product series is a superset of the old product in terms of features. Whatever features the old product had, the new model includes them and offers additional enhancements. Where feasible, we have identified recommended replacements from our active product line based on the best available and closest substitutes. However, the recommended alternative may not be ideal for all applications, as specific physical or performance parameters may be more critical in certain scenarios. Therefore, we advise you to consult with our local sales representative to determine if another model might be more suitable. It is essential to test and qualify the recommended substitutes in your application. For further information, please contact our local authorized distributor/representative.

Please refer to the attachments for link to the new model's data sheet and the attached comparison sheet for detailed information.

Mikro Sdn Bhd appreciates and values our business relationship and looks forward to your continued interest in our products. If you need further assistant, kindly contact our sale/ technical person in-charge or direct call to our office at Tel: +603 5525 3863, Fax: +603 5525 3873, Email: sales@itmikro.com

Products Information Link References:

Type	Part Number	Reference Link
Combined Overcurrent and Earth Fault Relay	RX1000	Product Catalogue: https://itmikro.com.my/wp-content/uploads/2020/08/RX1000-1.pdf
Earth Fault Relay	RX232	Product Catalogue: https://itmikro.com.my/wp-content/uploads/2020/08/RX232-1.pdf
Over Current Relay	RX233	Product Catalogue: https://itmikro.com.my/wp-content/uploads/2020/08/RX233-1.pdf
Earth leakage Relay	R301	Product Catalogue: https://itmikro.com.my/wp-content/uploads/2020/08/R301_Catalogue.pdf
	RX300	Product Catalogue: https://itmikro.com.my/wp-content/uploads/2020/08/RX300_330cat.pdf
	RX330	Product Catalogue: https://itmikro.com.my/wp-content/uploads/2020/08/RX300_330cat.pdf

Youtube videos regarding RX series product.

- <https://www.youtube.com/watch?v=7UYsQg-Nh3o>
- <https://www.youtube.com/watch?v=3N9oBoMOzhw>

Product Comparison Table:

Combined Overcurrent Earth Fault Relay

No.	FEATURES		NX1000A	RX1000 (NEW)
1	Earth Fault, Io	Trip Stage	2	2
2	Overcurrent, I	Trip Stage	2	3
3	Real time Clock (Timestamp available for records)		NO	Yes (NFC mobile app)
4	Fault Record with date & time		Yes (3 record, Elapse time counter)	Yes (30 records-NFC)
5	Event Record with date & time		NO	Yes (120records-NFC)
6	Alarm Record with date & time		NO	Yes (30 Pickup-NFC)
7	Near Field Communication (NFC)		NO	YES
8	Internal Relay Failure		NO	Yes (Programmable)
9	Soft Recovery Watchdog		NO	YES
10	Event Record of Power Supply Failure		NO	YES
11	Events Record of Setting Changes		NO	YES
12	Earth Fault	Io> Low Set Current	2%-100%	2%-200%
13		tIo> Low Set Definite Time	0s-100s	0.03s-100s
14		ktIo> Low Set Time Multiplier	0.01-1.0	0.01-1.0
15		Io>> High Set Current	2%-1000%	2%-1000%
16	Overcurrent	tIo>> High Set Delay Time	0s-100s	0.03s-100s
17		3Io> Low Set Current	2%-200%	10%-250%
18		tI> Low Set Definite Time	0s-100s	0.03s-100s
19		ktI> Low Set Time Multiplier	0.01-1.0	0.01-1.0
20	Overcurrent	3Io>> High Set Current	10%-2000%	10%-2000%
21		tI>> High Set Delay Time	0s-100s	0.03s-100s
22		3Io>>> Highest Set Current	NO	10%-2000%
23		tI>>> Highest Set Delay Time	NO	0.03s-100s

Earth Fault Relay

No.	FEATURES		NX201A	NX202A	NX231A	NX232A	RX232 (NEW)
1	Earth Fault, Io	Trip Stage	1 (DT)	1 (IDMT)	2 (DT)	2 (IDMT,DT)	2 (IDMT,DT)
2	Lowset Element, Io>	IDMT Curves	DT	NI	DT	DT, NI, VI, EI, LTI	DT, NI, VI, EI, LTI
3	Event Record with date & time		NO	NO	NO	NO	120 events-NFC
4	Alarm Record with date & time		NO	NO	NO	NO	30 Pickups-NFC
5	Fault Record with date & time		NO	NO	3 (No Timestamp)	3 (No Timestamp)	30 Faults-NFC
6	Real Time Clock (Timestamp available for Record)		NO	NO	NO	NO	YES
7	Internal Relay Failure		NO	NO	NO	NO	YES
8	Event Record of Power Supply Failure		NO	NO	NO	NO	YES
9	Events Record of Setting Changes		NO	NO	NO	NO	YES
10	Io> Low Set Current		2%-40%	2%-40%	2%-100%	2%-100%	2%-200%
11	tIo> Low Set Definite Time		0.05s-1.0s	NO	0.05s-99s	0.05s-99s	0.03s-100s
12	ktIo> Low Set Time Multiplier		NO	0.05-1.0	NO	0.01-1.0	0.01-1.0
13	Io>> High Set Current		100%-1000%	100%-1000%	2%-1000%	2%-1000%	10%-1000%
14	tIo>> High Set Delay Time		INSTANTANEOUS	INSTANTANEOUS	0.05s-2.5s	0.05s-2.5s	0.03s-100s

Overcurrent Relay

No.	FEATURES		NX203A	NX204A	NX233A	NX234A	RX233 (NEW)
1	Overcurrent, I	Trip Stage	2	2	2	2	3
2	Real time Clock (Timestamp available for records)		NO	NO	NO	NO	Yes (NFC mobile app)
3	Fault Record with date & time		NO	NO	Yes (3 record)	Yes (3 record)	Yes (30 records-NFC)
4	Seven Segment Display (LED)		NO	NO	YES	YES	YES
5	Event Record with date & time		NO	NO	NO	NO	Yes (120records-NFC)
6	Alarm Record with date & time		NO	NO	NO	NO	Yes (30 Pickup-NFC)
7	Near Field Communication (NFC)		NO	NO	NO	NO	YES
8	Internal Relay Failure		NO	NO	NO	NO	YES
9	Soft Recovery Watchdog		NO	NO	NO	NO	YES
10	Event Record of Power Supply Failure		NO	NO	NO	NO	YES
11	Events Record of Setting Changes		NO	NO	NO	NO	YES
12	Overcurrent	3I> Low Set Current	40%-120%	40%-120%	2%-200%	2%-200%	10%-250%
13		tI> Low Set Definite Time	N/A	N/A	0s-100s	0s-100s	0.03s-100s
14		ktI> Low Set Time Multiplier	0.05-1.0	0.05-1.0	0.01-1.0	NO	0.01-1.0
15		3I>> High Set Current	100%-1000%	100%-1000%	10%-2000%	10%-2000%	10%-2000%
16		tI>> High Set Delay Time	INSTANTANEOUS	INSTANTANEOUS	0s-100s	0s-100s	0.03s-100s
17		3I>>> Highest Set Current	NO	NO	NO	NO	10%-2000%
18		tI>>> Highest Set Delay Time	NO	NO	NO	NO	0.03s-100s

Earth Leakage Relay

No.	FEATURES	NX301A	R301 (NEW)
1	Detection Method	RMS	Fundamental/RMS
2	No. of Output	1	1
3	Fault Record	NO	3 Record
4	Seven Segment Display (LED)	NO	YES
5	Remote Reset	NO	NO
6	Remote Test Function	NO	NO
7	Programmable Output Contact	NO	YES
8	50% Pre-fault Output Contact	NO	YES (Programable)
9	IΔn Sensitivity (Leakage Current)	30mA-30A	20mA-30A
10	Time Δn (Delay Time)	0s-3s	INST-10s

No.	FEATURES	NX301A	NX301E	NX302A	NX300A	NX300EA	RX300 (NEW)
1	Detection Method	RMS	RMS	RMS	RMS	RMS	Fundamental/RMS
2	No. of Output	1	2	1	1	3	3
3	Event Record with date & time	NO	NO	NO	NO	NO	120 events-NFC
4	Alarm Record with date & time	NO	NO	NO	NO	NO	30 Pickups-NFC
5	Fault Record with date & time	NO	NO	NO	3 (No Timestamp)	3 (No Timestamp)	30 Faults-NFC
6	Seven Segment Display (LED)	NO	NO	NO	YES	YES	YES
7	Remote Reset	NO	NO	YES	NO	YES	YES
8	Remote Test Function	NO	NO	YES	NO	NO	YES
9	Programmable Output Contact	NO	NO	NO	NO	NO	YES
10	50% Pre-fault Output Contact	NO	NO	NO	NO	YES	YES (Programable)
11	Real Time Clock (Timestamp available for Record)	NO	NO	NO	NO	NO	YES
12	NFC (Near Field Communication)	NO	NO	NO	NO	NO	YES
13	Internal Relay Failure	NO	NO	NO	NO	NO	YES
14	Soft Recovery Watchdog	NO	NO	NO	NO	NO	YES
15	Event Record of Power Supply Failure	NO	NO	NO	NO	NO	YES
16	Events record of Setting Changes	NO	NO	NO	NO	NO	YES
17	IΔn Sensitivity (Leakage Current)	30mA-30A	30mA-30A	30mA-30A	30mA-10A	30mA-10A	20mA-30A
18	Time Δn (Delay Time)	0s-3s	0s-3s	0s-3s	0.1-3s	0.1-3s	INST-10s

Self-Reclosing Earth Leakage Relay

No.	FEATURES	NX330A	RX330 (NEW)
1	Detection Method	RMS	Fundamental/RMS
2	No. of Output	2	3
3	Event Record with date & time	No	120 events-NFC
4	Alarm Record with date & time	No	30 Pickups-NFC
5	Fault Record with date & time	3 (No Timestamp)	30 Faults-NFC
6	Auto Reclosing	Yes	Yes
7	Remote Reset	Yes	Yes
8	Remote Test Function	No	Yes
9	Programmable Output Contact	Yes	Yes
10	50% Pre-fault Output Contact	Yes (Programable)	Yes (Programable)
11	Real Time Clock (Timestamp available for Record)	No	Yes
12	NFC (Near Field Communication)	No	Yes
13	Internal Relay Failure	No	Yes
14	Soft Recovery Watchdog	No	Yes
15	Event Record of Power Supply Failure	No	Yes
16	Events record of Setting Changes	No	Yes
17	I _{Δn} Sensitivity (Leakage Current)	30mA-10A	20mA-30A
18	Time Δn (Delay Time)	0.1-3s	INST-10s