



PRODUCT CHANGE NOTIFICATION

Linx Technologies
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To: All customers using the Relay Function Module
Re: Product Change Notification

Dear Customer,

Linx Technologies is announcing the release of the next generation of our Relay Function Module. This next generation product will replace the existing product offering.

The new product will improve field application usage and overall device performance, while eliminating supply chain impacts on product cost. Complete data guides will be available on our web site at www.linxtechnologies.com following publication. Please call for pricing.

We are committed to working closely with our customers during this discontinuation and new product introduction to address any questions or concerns.



PRODUCT CHANGE NOTIFICATION

Product Change Notification for the Relay Function Module

PCN No: LPCN-100122-1

Publish Date: January 22, 2010

Type of Change

End-of-life notification for Relay Function Module [FCTN-RLY4-xxx]

Product Release notification for Relay Function Module 2 [FCTN-RLY4-xxx-2]

Products Affected

FCTN-RLY4-315

FCTN-RLY4-418

FCTN-RLY4-433

Description of Change

The FCTN-RLY4-xxx product family is being replaced by the next generation product, the FCTN-RLY4-xxx-2. Primary changes between the products are (see specification chart for additional details):

1. Increase maximum supply voltage to 30 V.
2. Increase minimum supply voltage to 7 V.
3. Increase switched power capability.
4. Change momentary/latch selection to DIP switch for user convenience.
5. Maximum operating temperature lowered to 70° C.

Reason for Change

Enhance performance and convenience of operation while addressing component obsolescence and cost issues.

Effect of Change

Form: Momentary/latch selection is now controlled by a DIP switch selection.

Fit: No change.

Function: See specification chart.

Quality: No change.

Reliability: Enhanced relay performance specifications.

Anticipated First Ship Date

1-Jun-10.

Qualification Data

Qualification plan specifics are not for general release. Please contact Linx directly for additional information or assistance.

Last Time Buy Date

No formal last time buy date is established. The new design will be supplied as existing inventory depletes.

Electrical Specifications		FCTN-RLY4-xxx-2			FCTN-RLY4-xxx			Units
POWER SUPPLY		Min.	Typical	Max.	Min.	Typical	Max.	
Operating Voltage	V _{CC}	7	–	30	5	–	16	VDC
Supply Current	I _{CC}				12	–	170	mA
RX Only		4	7	15				mA
RX and 1 Relay		16	36	65				mA
RX and 2 Relays		26	65	120				mA
RX and 3 Relays		35	95	175				mA
RX and 4 Relays		45	125	225				mA
RECEIVER SECTION								
Receive Frequency Range	F _C							
FCTN-RLY4-315		–	315	–	–	315	–	MHz
FCTN-RLY4-418		–	418	–	–	418	–	MHz
FCTN-RLY4-433		–	433.92	–	–	433.92	–	MHz
Center Frequency Accuracy	–	-50	–	50	-50	–	50	kHz
Receiver Sensitivity	–	-106	-112	-118	-106	-112	-118	dBm
RELAY CHARACTERISTICS								
Arrangement	–	–	SPST		–	SPST		
Switched Power	–	–	–	480	–	–	150	watts
	–	–	–	4000	–	–	1250	VA
Relay Switching Voltage	–	–	–	30	0	–	30	VDC
	–	–	–	300	0	–	250	VAC
Switched Device Current	–	–	–	7	0.6	–	5	A
Operate Time	–	–	10	–	–	6	–	mS
Release Time	–	–	5	–	–	3	–	mS
Life Expectancy								
Mechanical	–	1x10 ⁷			2x10 ⁷			cycles
Electrical	–	1x10 ⁵ @ 10A, 277VAC			1x10 ⁵ @ 5A			
Contact Dielectric Strength	–	1750Vrms contact to coil			750Vrms between open			
(at sea level for 1 minute)	–	1000 Vrms across contacts			3000Vrms contact-to-coil			
ENVIRONMENTAL								
Operating Temperature Range	–	-40	–	70	-40	–	85	°C
Storage Temperature Range		-45	–	70	-45	–	85	°C

Typical values are at 12V and 25° C; Max and Min values are over full voltage and temperature range.