

On/Off, Floating Point, Non-Spring Return, 24 V LRX24-3-S

5-year warranty

CE



Technical data

Electrical data	Nominal voltage	AC/DC 24 V	
	Nominal voltage frequency	50/60 Hz	
	Power consumption in operation	1.5 W	
	Power consumption in rest position	0.2 W	
	Transformer sizing	2.5 VA (class 2 power source)	
	Auxiliary switch	1 x SPDT, 3 A resistive (0.5 A inductive) @ AC 250 V, adjustable 0100%	
	Switching capacity auxiliary switch	3 A resistive (0.5 A inductive) @ AC 250 V	
	Electrical Connection	18 GA plenum cable with 1/2" conduit connector, degree of protection NEMA 2 / IP54, 3 ft [1 m] 10 ft [3 m] and 16ft [5 m]	
	Overload Protection	electronic thoughout 090° rotation	
Functional data	Direction of motion motor	selectable with switch 0/1	
	Manual override	external push button	
	Angle of rotation	90°	
	Angle of rotation note	adjustable with mechanical stop	
	Running Time (Motor)	90 s / 90°	
	Running time motor variable	150, 90, 45, 35 s	
	Noise level, motor	35 dB(A)	
	Position indication	Mechanically, pluggable	
Safety data	Degree of protection IEC/EN	IP54	
	Degree of protection NEMA/UL	NEMA 2	
	Enclosure	UL Enclosure Type 2	
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/EU; Listed to UL 2043 - suitable for use in air plenums per Section 300.22(c) of the NEC and Section 602.2 of the IMC	
	Quality Standard	ISO 9001	
	Ambient temperature	-22122°F [-3050°C]	
	Storage temperature	-40176°F [-4080°C]	
	Ambient humidity	Max. 95% RH, non-condensing	
	Servicing	maintenance-free	
Materials	Housing material	Galvanized steel and plastic housing	

Footnotes TRated Impulse Voltage 800V, Type action 1, Control Pollution Degree 3.





Accessories			
Electrical accessories	Description		Туре
	Battery backup system	, for non-spring return models	NSV24 US
	Battery, 12 V, 1.2 Ah (t Auxiliary switch 1 x SPI	•	NSV-BAT S1A
	Auxiliary switch 2 x SPI		STA S2A
	Feedback potentiomet		P140A GR
	Feedback potentiomet	5,	P1000A GR
	Feedback potentiomet		P10000A GR
	Feedback potentiomet		P2800A GR
	Feedback potentiometer 500 Ω add-on, grey		P500A GR
	Feedback potentiomet	er 5 k Ω add-on, grey	P5000A GR
Electrical installation			
\$	< INSTALLATION NOTES		
		ection and disconnect as required.	
	Actuators may be con	nected in parallel. Power consumption a	nd input impedance must be
/	observed.		
	Actuators may also be		nman. Only connect common t
<u></u>		ust be connected to the control board con circuits. Terminal models (-T) have no-fee	
		n cable do not have numbers; use color c	
		switch (1x SPDT), for end position indicat	
<u>/4</u>	etc.	switch (1x 51 D1), for cha position indicat	
/		age or only UL-Class 2 voltage to the ter	ninals of auxiliary switches.
		peration of line voltage/safety extra low v	
•	Meets cULus requirem	nents without the need of an electrical gr	ound connection.
	Warning! Live electrica		
		sting, servicing and troubleshooting of th	nis product, it may be necessary
		rical components. Have a qualified licens	
		y trained in handling live electrical comp	
	Failure to follow all ele	ectrical safety precautions when exposed	to live electrical components
	could result in death c	or serious injury.	
Wiring diagrams		Flasting Daint	
On/Off	~ ~ ~ ~	Floating Point	
24 VAC Transformer	1 2 3 18	24 VAC Transformer	$\frac{1}{2}\frac{3}{18}$
	k (1) Common		Blk (1) Common
	ed (2) + Hot	Volts	Red (2) + Hot
— 1 111		— Ler —	
	ht (3) Y Input	٩	Wht (3) Y Input
9	ht (3) Y Input	۲ Floating Point - Triac Sink	Wht (3) Y Input
9	ht (3) Y Input	Floating Point - Triac Sink 24 VAC Transformer	Wht (3) Y Input
Floating Point - Triac Source 24 VAC Transformer	ht (3) Y Input	24 VAC Transformer	Wht (3) Y Input
Floating Point - Triac Source 24 VAC Transformer	ht (3) Y Input	24 VAC Transformer	Wht (3) Y Input
Floating Point - Triac Source 24 VAC Transformer		24 VAC Transformer	
Floating Point - Triac Source 24 VAC Transformer Line Ults	▲1 2 3 18	24 VAC Transformer	
Floating Point - Triac Source 24 VAC Transformer Line Volts	▲1 2 3 18	24 VAC Transformer	
Floating Point - Triac Source 24 VAC Transformer Line Juine Het Com	●12318 Blk (1) Common	24 VAC Transformer	
Floating Point - Triac Source 24 VAC Transformer Line	▲1 2 3 18	24 VAC Transformer	
Floating Point - Triac Source 24 VAC Transformer Line	●12318 Blk (1) Common	24 VAC Transformer	



