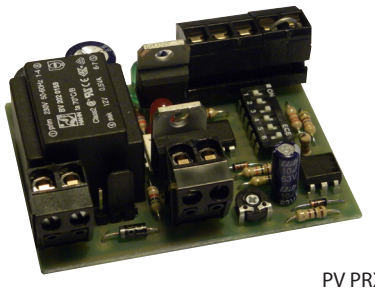
Electronic Controller for NPN/PNP sensor

PRX13

110V 230V | NPN | PNP



CIRCUIT
PV PRX13 A2 STD

General

The PRX13 electronic vibrator stop circuit can be used to stop round electromagnetic vibrators or electromagnetic vibratory hoppers through mechanical, inductive, capacitive or optical (photocells)sensors with NPN or PNP outputs. the circuit also features 1 timed delays 0-12 sec. which are adjustable, for stop and start of the vibrator.

Applications

The PRX13 electronic vibrator stop circuit can be used in various configurations, such as:

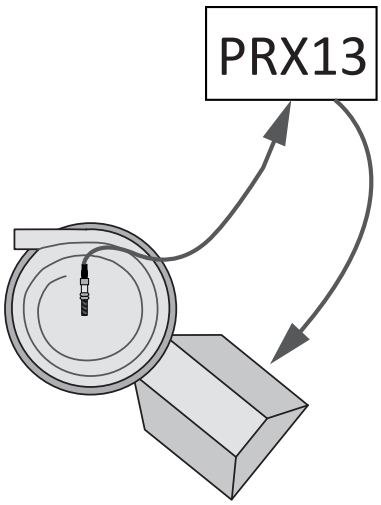
• For controlling overflow of a vibratory chute at the output of a round vibrator.

• For controlling the loading in a round vibrator from a hopper by means of mechanical level indicators.

• For energizing readout photocells instead of the mechanical device used as level sensor.

hence it is possible to couple our pc boards of the RC series and CV6-CV8, for commanding and automating a complete feeder system.

Thanks to the remarkable compactness and the great reliability guaranteed by galvanic and opto-isolation of the inputs,the PRX13 proves to be a valid help in all those cases where it is required to automate component loading and selection cycles with the aid of mechanical and electronic sensors



Options

Circuit PRX13with external regulation by potentiometers-code PRX13/PEX.

Technical Specs

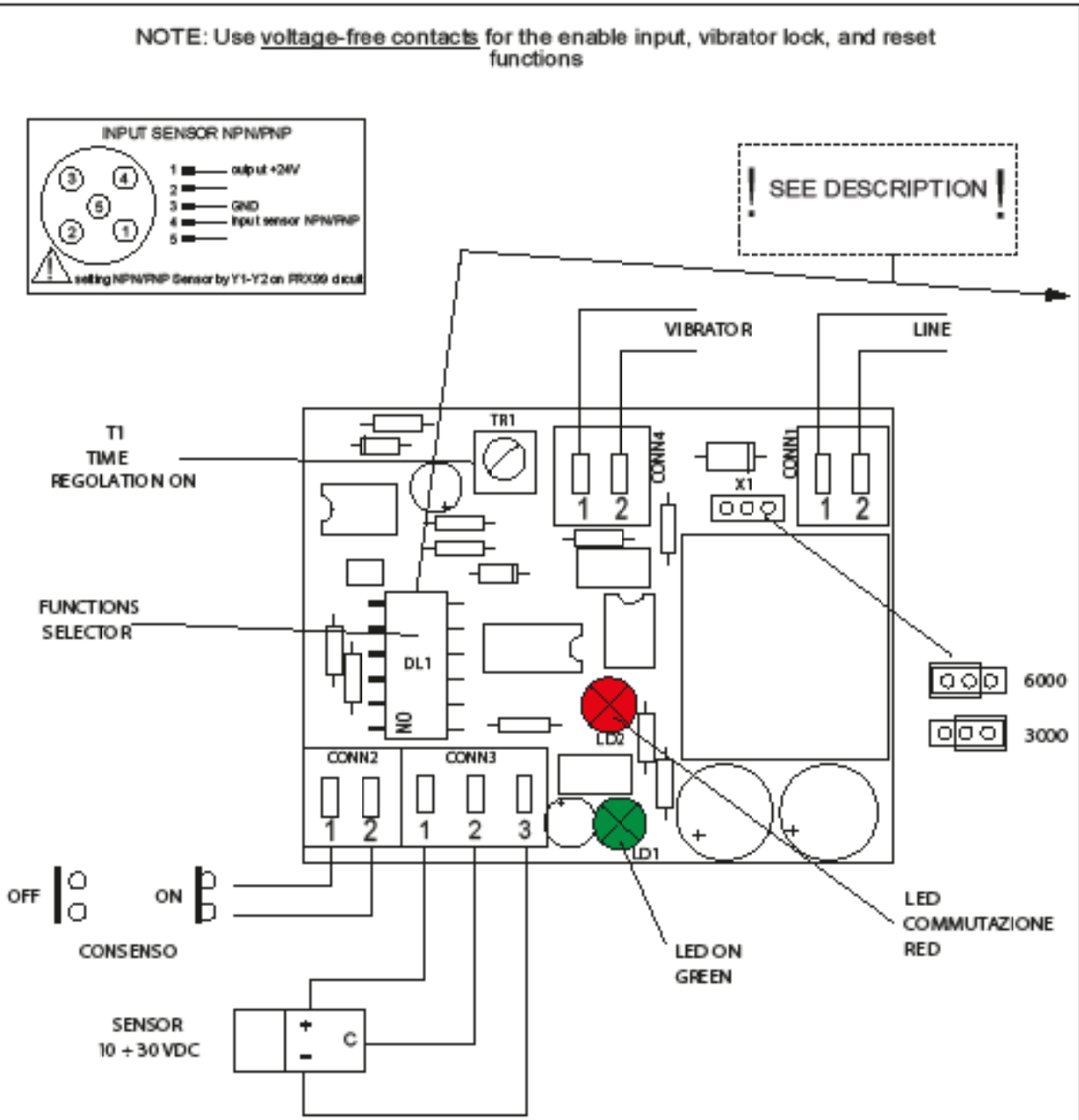
Supply Voltage:	230 Vca ± 5% – 50/60 Hz
Consumption:	1,5 W max
Fuses:	0,2A F 250V 5x20 H1500A
Inputs For Sensors:	Optoisolated NO/NC NPN/PNP
Type Of Sensors:	Mechan.Inductive.Capacitive Or Optical
Supply Voltage For Sensors:	12 Vcc
Energization Delay (T1): .	0-12 Sec.Reg
De-energization Delay (T2):	0-12 Sec.Reg.
Output For Vibrator Stop:	2 NO/NC 10A 250Vca Max
Position Of Assemblage:	Horizontal Or Vertical
Temperature Of Storage:	-10 °C /+80 °C
Temperature Of Operation:	–5°C / +55°C
Range Of Relative Humidity:	80% up to 31 °C
Altitude:	Up to 2000 Meters

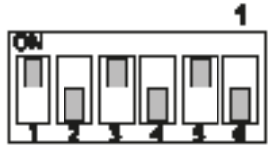
Available Versions

Type	Box	Colour	Dimensions	Code	Price €
PRX13	NPN/PNP Input with delay		60 x 45 x 25	PV PRX13 A2 STD	

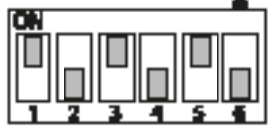
Description: INTERFACE CIRCUIT PRX13 WITH ALLARMS	CODE	REV	DATE	DRAFTSMAN	SHEET
	DTPRX13	01	05/11	E. PEDRAZZI	1/1

NOTE: Use voltage-free contacts for the enable input, vibrator lock, and reset functions

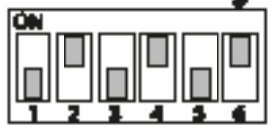




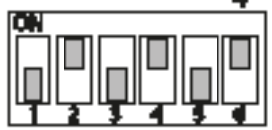
NPN Sensor - Out Q
(Presence piece =
= start cycle T1/T2)



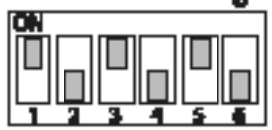
NPN Sensor - Out Qneg.
(Absence piece =
= start cycle T1/T2)



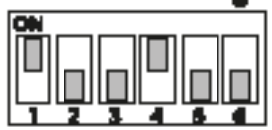
PNP Sensor - Out Q
(Presence piece =
= start cycle T1/T2)



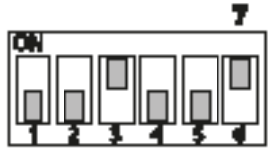
PNP Sensor - Out Qneg.
(Absence piece =
= start cycle T1/T2)



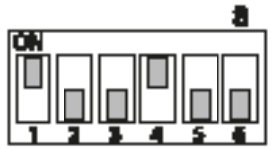
Mechanical level sensor
(Absence piece =
= start cycle T1/T2)



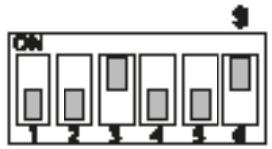
NPN Sensor - Out Q
(Absence piece =
= start cycle T1/T2)



PNP Sensor - Out Q
(Absence piece =
= start cycle T1/T2)



NPN Sensor - Out Qneg.
(Presence piece =
= start cycle T1/T2)



PNP Sensor - Out Qneg.
(Presence piece =
= start cycle T1/T2)