Electronic Controller for NPN/PNP sensor

PRX92

110V 230V | NPN | PNP

General

The PRX92 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 /PNP outputs. the circuit also features 2 timed delays 0-12 sec. which are adjustable, for stop and start of the vibrator.

CIRCUIT
PV PRX92 A2 STD

Applications

The PRX92 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 PRX92 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

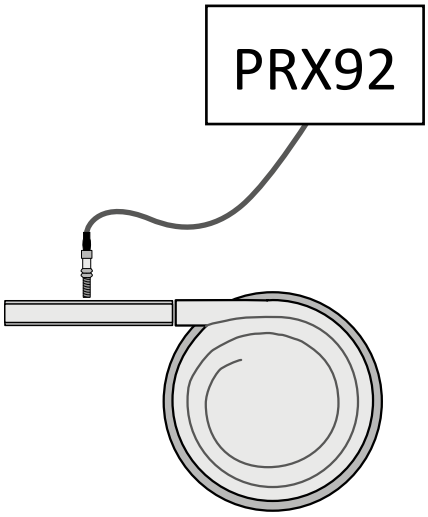
CIRCUIT R5FC+PRX92
PV R5P92 A2 STD

Options

Circuit PRX92 with external regulation by potentiometers-code PRX92/PEX.

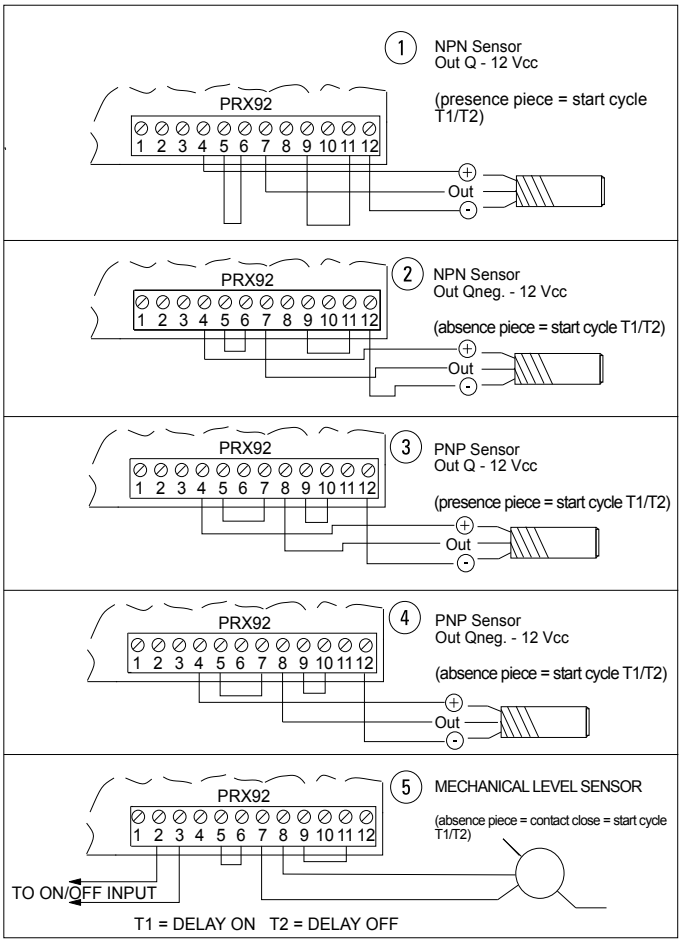
Electrical Characteristis

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%Till To 31 °C
Altitude:	Till To 2000 Meters

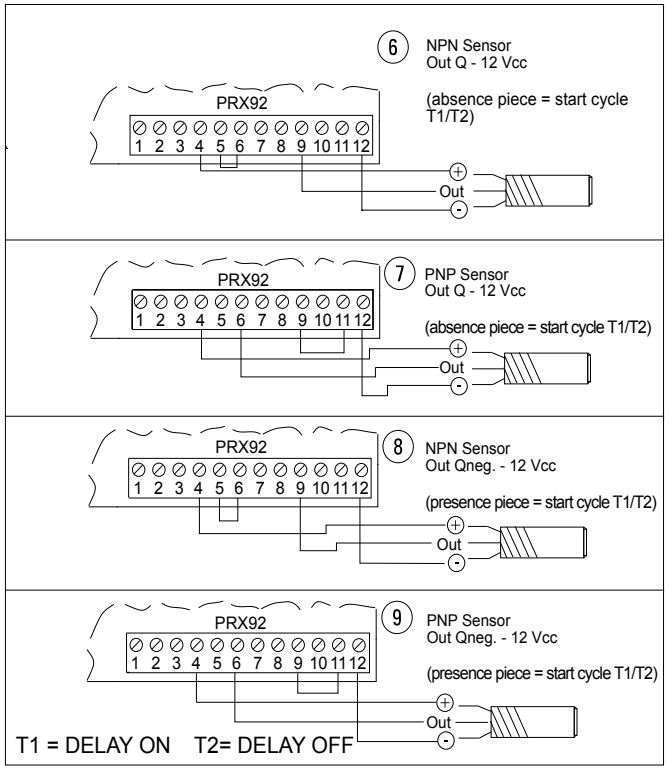


Available Versions

Type	Box	Colour	Dimensions	Code	Price €
PRX92	Circuit for sensor with trimmers		95 x 65 x 35	PV PRX92 A2 STD	
PRX92/PEX	Circuit for sensor with external potentiometers		95 x 65 x 35	PV PRX92 A2 PEX	
R5F+PRX92	Circuit R5F+PRX92		125 x 90 x 60	PV R5P92 A2 STD	



Description: PRX92 SCHEME OF CONNECTION				
CODE	REV	DATE	DRAFTSMAN	SHEET
DTPRX92	00	05/98	E. PEDRAZZI	2/3



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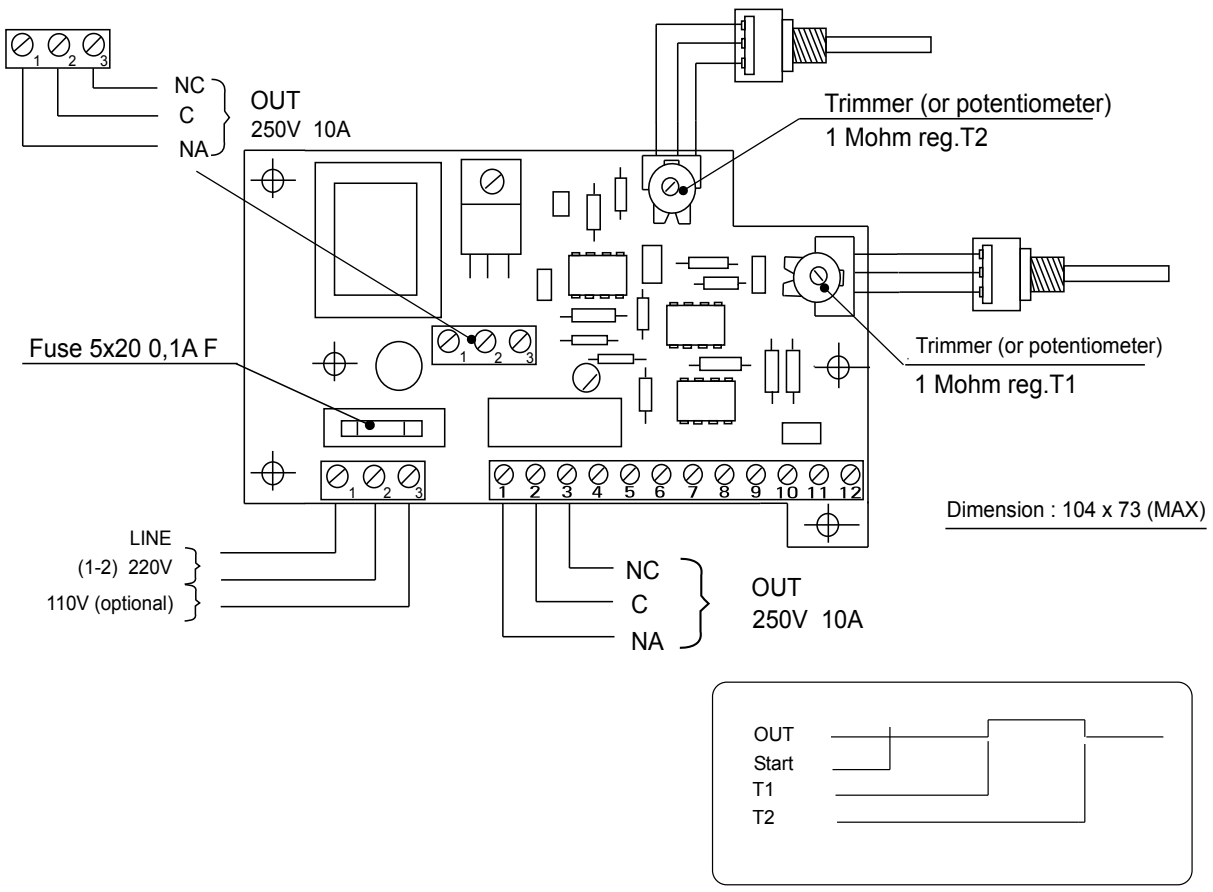
PRX



Description: ELECTRONIC CIRCUIT FOR TIME DELAYED VIBRATOR STOP

CODE	REV	DATE	DRAFTSMAN	SHEET
DTPRX92	00	05/98	E. PEDRAZZI	1/3