

7233474/86/98



DESCRIPTION

Signal converter for the conversion of an analogue process signal to a pulsating (50% duty cycle) transistor output. A typical application would be to convert an analogue signal from a probe to a pulsating output for input at a digital input of a PLC. Input, output and operating voltage are internally galvanically isolated (3,75kV). Input is selected via switches and output is selected via choice of terminals. See connecting diagram.

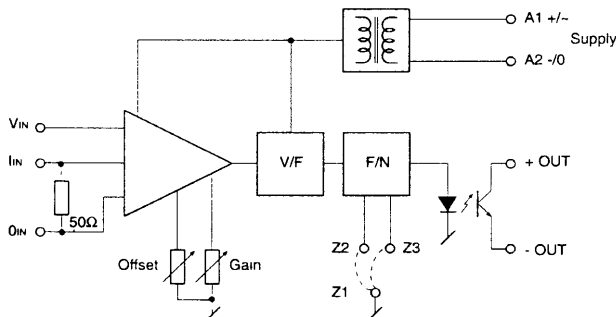
Features

- Input 0 - 5V/0 - 10V/-10-+10VDC/0 - 20/4 - 20mA in one version.
- 2 standard output versions;
 - Output 0-50Hz/0-5kHz/0-10kHz - selected via terminals.
 - Output 0-40Hz/0-4kHz/0-8kHz - selected via terminals.
- Output offset and gain adjustable $\pm 5\%$.
- LED indication of input less than 5% / indication on probe failure.
- Operating voltage 24VDC, 24VAC, 115VAC, 230VAC.

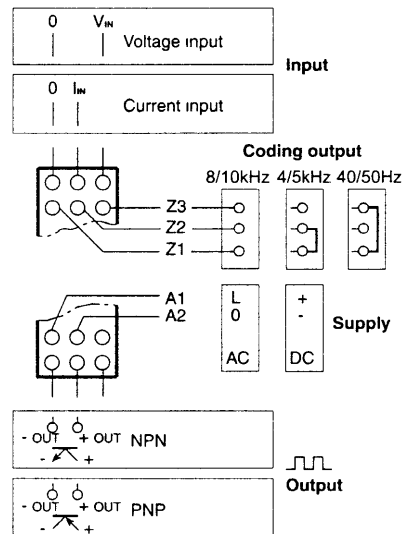
VERSIONS/ORDERING CODES

Type: Process signal converter	PXF-10	PXF-10	230	1
Supply voltage 24V DC	924			
24V AC	024			
115V AC	115			
230V AC	230			
Output range 0-50Hz/0-5kHz/0-10kHz	1			
0-40Hz/0-4kHz/0-8kHz	2			

BLOCK DIAGRAM



WIRING DIAGRAM



ADJUSTMENT

PXF-10 is delivered adjusted to offset = 0% and gain = 100%. To compensate for any loss in cables, etc. is it possible to adjust the output signal.

Remove the front cover. The offset (zero) and gain (span) on the output signal can be adjusted $\pm 5\%$ of max. signal. Put the cover back on to avoid any accidental adjustment on the relay. See fig. 1.

Fig. 1

