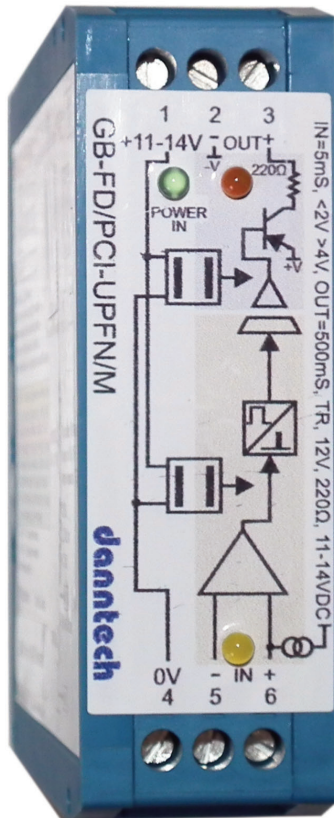


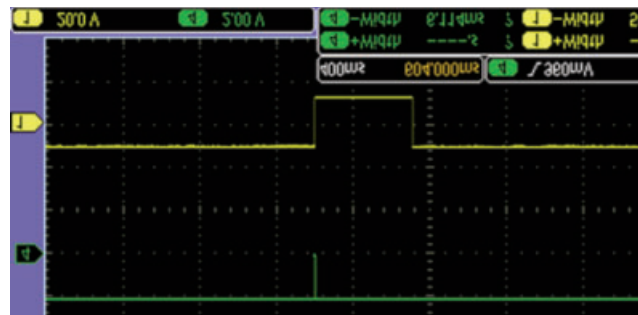
FREQ/PULSE TO FREQ/PULSE CONVERTER (FPFPC)



The Frequency/Pulse to Frequency/Pulse Converter (FPFPC) can provide several different functions with digital or frequency type inputs and pulse or frequency type of outputs.

The FPFPC completes the group of signal converters which convert various types of process signals to and from an analogue type of signal to a digital signal and vice versa.

The FPFPC can convert any Frequency/Pulse input to a variety of Frequency/Pulse outputs. This applies to pulse levels, pulse types and frequency to a selection of pulse outputs, pulse types and output frequency.



SPECIFICATIONS:

- Input signal frequency range from 0.01 Hz to 100,000 Hz.

Standard operating ranges:

One pulse per hour to one pulse per second
0.001 to 10 Hz, 0.01 to 100 Hz, 0.1 to 1,000 Hz,
1 to 10,000 Hz, 10 to 100,000 Hz.

Input types:

AC - 10 V AC to 250 V AC (mains and other AC signals up to 300 VAC or DC).

AC – 50 mV AC to 10 V AC (impeller type flowmeters).

DC offset - < 2 V to > 15 V
(proximity switches, potential free contacts)

DC offset - < 9 V to > 18 V

DC offset – others

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- ±10% over and under-range on the input.
- Input LED flashes with the input (yellow) indicating that the input is detected.

- Potential free relay contact, transistor or various voltage outputs.
- Relay contact rating 125 VAC/0.6A, 110 VDC/0.6A or 30 VDC up to 2 A resistive load.
- Output frequencies from 0.01 Hz to 100 kHz.
- Customised input and output ranges on request.
- Input supply 24 VDC, 12 VDC ±10%, 11 to 14 VDC or 22 to 30 VDC.
- Isolation between input, output and DC supply >1000 VDC.
- Operating temperature -10 to 70°C.
- Calibration sheet provided for each unit manufactured.
- DIN rail mounting.
- Screw terminal connections.
- High quality, self-extinguishing polyamide enclosure.
- Dimensions 25 x 80 x 85 mm (W x H x D).



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