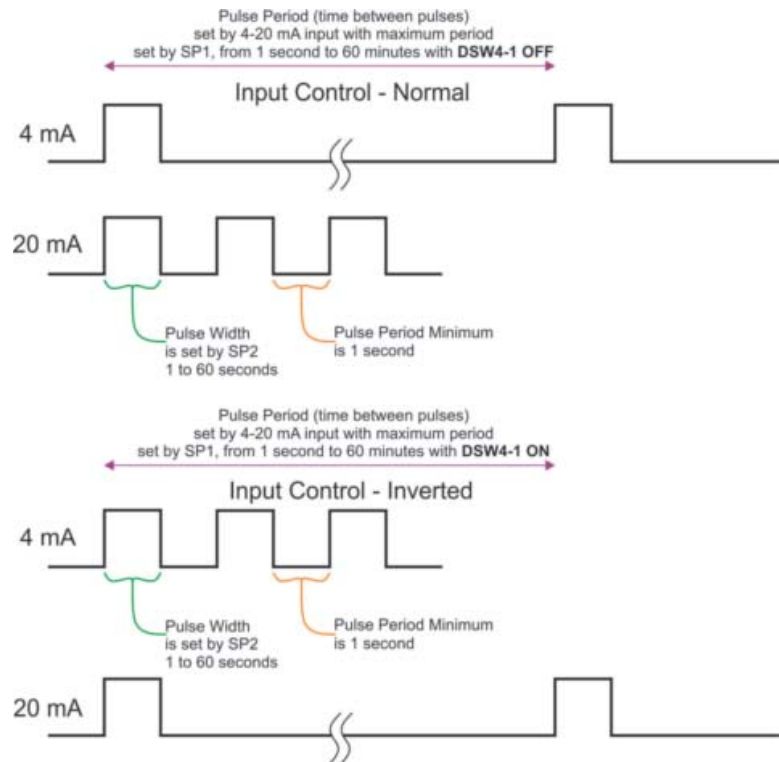


PROCESS SIGNAL TO PULSE PROPORTIONAL CONVERTER



- For dosing applications where the valve or pump “ON TIME’ is set and then the time between the “ON TIMES’ is set by the analogue input.
- Low cost proportional control typically for heating or dosing applications such as automated feeding systems.



designed and
manufactured in SA



SPECIFICATIONS:

- Input signal ranges from ± 20 mV to ± 100 V, ± 1 mA up to ± 10 A. Standard inputs 4-20 mA, 0-10 V, etc.
- AC and DC voltages up to 250 V, currents up to 10 A.
- Resistance and frequency inputs also possible.
- Input impedance of >100 k Ω for the voltage input and 50 Ω or less for the current input models.
- Potential free relay contact output.
- Relay contact rating 230 VAC or 30 VDC up to 5 A resistive load.
- Internal link selection of normally open or normally closed relay output.
- For an analogue input ranging from say 4 to 20 mA the output Pulse Period (time between output pulses) is set by SP1.
- Four Pulse Period ranges, DIP switch selectable, 1 to 15, 1 to 30, 1 to 60 and 1 to 120 minutes.
- Pulse Width set by SP2 from 1 to 60 seconds, fully anticlockwise = 1 second, fully clockwise = 60 seconds. SP2 is a 20 turn trimpot.
- Input sense inversion, DIP switch selectable.
- Auxiliary supply options: 24 VDC, 12 VDC, 9 - 18 VDC, 20 to 30 VDC, 18 - 36 VDC, 36 - 72 VDC.
- Power requirement is 2.5 W maximum.
- Isolation between inputs, power supply and output >1000 VDC.
- Operating temperature -10 to 70°C.
- 24 hour operational burn-in.
- DIN rail mounting.
- High quality self-extinguishing polyamide enclosure.
- Screw terminal connections.
- Dimensions 25 x 80 x 85 mm (W x H x D).

dt danntech
PROCESS INSTRUMENTATION

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