

Dulcometer® Analogous-to-pulse train converter Type AFWE 0/4...20 mA

Description

The analogous-to-pulse train converter AFWE converts a d.c. signal of 0/4...20 mA into a pulse train of 0 pulses per hour to 6000 pulses per hour. Two reed relay outputs operating simultaneously are provided to pace two externally controlled solenoid-operated dosing pumps.

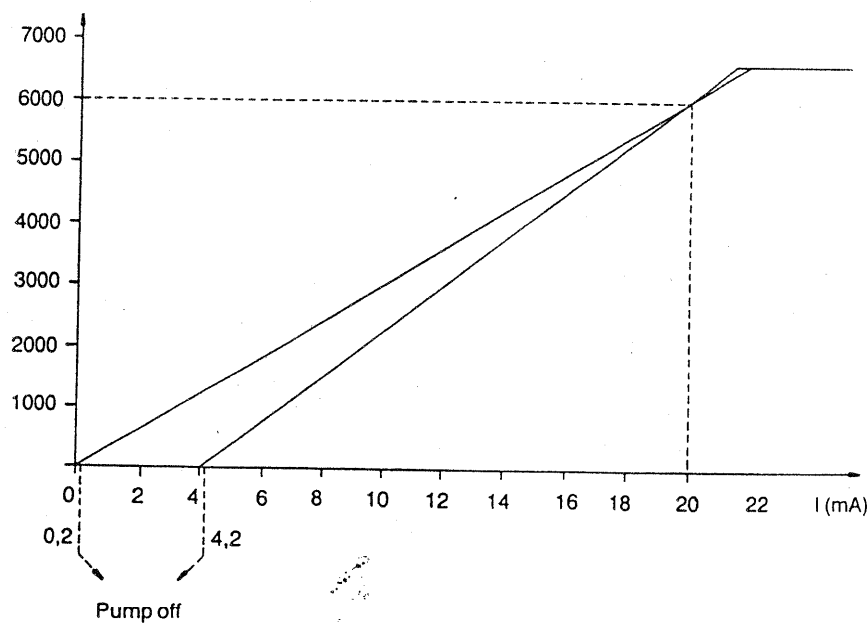
The signal range is switch-selectable:

- S2 in position 1: Input signal 0...20 mA.
- S2 in position 2: Input signal 4...20 mA.

The unit is enclosed by a plastic box having the dimensions 133 × 72 × 72 mm (width × height × depth), class of protection IP 55, and being suitable for surface mounting.

Relationship between input signal and output pulses.

Pulses per hour



Setting 0...20 mA (toggle switch to the left)

When the input signal becomes smaller than about 0.2 mA, no pulses are emitted.

When the input signal exceeds about 22 mA, the pulse period is kept constant at about 6600 pulses per hour.

Within the normal working range between 0.2 and 20 mA, the pulse period is proportionate to the input signal and ranges from about 50 pulses per hour to 6000 pulses per hour.

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Setting 4...20 mA (toggle switch to the right)

When the input signal becomes smaller than about 4.2 mA, no pulses are emitted.
When the input signal exceeds about 22 mA, the pulse period is kept constant at about 6600 pulses per hour.
Within the normal working range between 4.2 and 20 mA, the pulse period is proportionate to the input signal and ranges from about 50 pulses per hour to 6000 pulses per hour.

Options:

Optional, the unit can be supplied accepting a voltage input of 0...4 V/0.8...4 V or 0...10 V/2...10 V. The maximum pulse period can be set at 7200 pulse per hour.

Order No. 91.48.35.4 (220 V)

Order No. 91.48.36.2 (110 V)

