

Documentation INT-10/x

Functional description

The INT-10 is a signal converter which converts standardized industrial signals into a potentiometric signal, as is required by a Danfoss proportional valve.

The INT-10 can be delivered in four models, depending on the control signal:

Model	Control signal
INT-10/2	0..20 mA
INT-10/3	0..10 V
INT-10/4	4..20 mA
INT-10/5	-10..+10 V

Connecting information

The INT-10 and the Danfoss valve share the same power supply, just like a common potentiometer.

For the INT-10 the same rules are valid for connecting cables as it is with a potentiometer (see connection diagram at the back of this page).

The supply cables will go **directly** from the battery to the Danfoss valve and then **from** the Danfoss valve to the INT-10. Further the + and - wires between the Danfoss proportional valve and the INT-10 have to be the same diameter and the same length.

Specifications

Output voltage	Ratiometric output, min. 25% and max 75% of the supply voltage
Limitation output	Minimum > 13% and maximum < 87% of the supply voltage
Response time	2 ms maximum
Linearity	Less than 1% deviation
Supply Voltage	9 - 30 VDC (max. 200 mA)
Ambient temperature	-10 to +50 °C
Mounting	On a DIN rail
Cable connections	with M3 screws
Dimensions	l x w x h : 77 x 32.5 x 114 mm

Guarantee

During a period of 12 months production and component failures are guaranteed.

Exchanging a defect INT-10 will be shipped f.o.b.

Guarantee will be void at injudicious use, opening of the case, usage out of specifications and mechanical damage, such at the judgement of Tildesign BV.

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