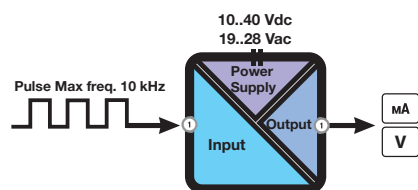




Z111

FREQUENCY TO DC CURRENT/VOLTAGE ISOLATOR/CONVERTER



Z111 allows a conversion of a frequency signal and provides a mA/V standard output signal. The input is programmable in a range from 1 mHz to 9,99 KHz.

It's completely configurable through dip switches. A 3-way galvanic isolation among Power supply // input // output circuits assures the integrity of your datas.

TECHNICAL SPECIFICATIONS

General Data

Power supply	10..40 Vdc / 19..28 Vac / 50-60 Hz
Power consumption	2,5 W
Isolation	1.500 Vac (3 way)
Transducer Power Supply	Yes
Accuracy	0,3%
Response time	-
Status Indicators	Power supply, error, data transmission, data reception, input status
Settings	Dip- switches
Mounting	35 mm DIN rail guide
Protection Degree	IP20
Operating Temperature	0..+50 °C
Dimension (W x H x D)	17.5 x 100 x 112 mm

Input

Channel Numbers	1
Pulses	Contact / reed; npn 2/3 wires; pnp 3 wires with 24 Vdc power; namur; photoelectric; hall effect sensor, variable reluctance, 24V; TTL Max frequency: 10 kHz

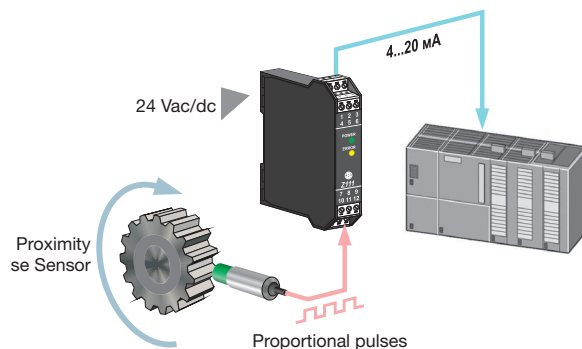
Output

Channel Numbers	1
Voltage	4 scales: 0..1, 0..5, 0..10, 2..10 V Min load resistance: 2.000 Ω
Current	2 scales: 0/4..20 mA (active/passive) Max load resistance: 600 Ω

Standard

Approval	CE
Norms	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1





APPLICATION NOTE



ORDER CODES

Code	Description
Z111	Frequency to DC current/voltage isolator/converter, power supply 19..40 Vdc / 19..28 Vac

SIMILAR PRODUCTS

			
Z104 DC to frequency isolator / converter pg. 93	K111 Isolated dual output frequency trip amplifier pg. 111	K112 Universal digital coupler/isolator pg. 112	S311D Frequency / digital input indicators - totalizers pg. 124



**SCATTERGOOD
& JOHNSON LTD**
ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk