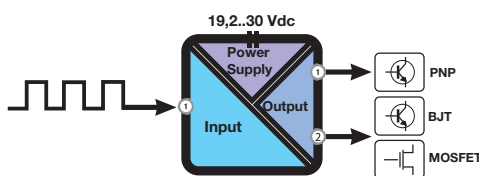


# K111

## ISOLATED DUAL OUTPUT FREQUENCY TRIP AMPLIFIER



K111 is a dual output isolated trip amplifier/converter for specific on/off sensors (Max frequency 20 KHz), beside it is input repeater and frequency divider. It's useful as stand alone speed monitoring system of rotative wheel. The 2 outputs are independent each therefore is possible to configure 1 output as alarm and the second one as frequency repeater. A 2-way galvanic isolation among input // output circuits assures the integrity of your datas.

### TECHNICAL SPECIFICATIONS

#### General Data

Power supply	19,2..30 Vdc
Power consumption	500 mW
Isolation	1.500 Vac (2 way)
Transducer Power Supply	-
Status Indicators	Power, threshold, error
Accuracy	-
Response time	-
Settings	Easy LP (PC Software)
Mounting	35 mm DIN rail guide
Protection Degree	IP20
Operating Temperature	-20..+65 °C
Dimension (W x H x D)	6,2 x 93,1 x 102,5 mm

#### Input

Channel Numbers	1
Pulses	Contact IEC 1131.2 (type 1) Namur (DIN 19234, EN 60947-5-6) NPN / PNP (12 o 22 V) 2/3 wires Reed Photocell Max voltage: ±28 Vdc Frequency: Max 20 kHz, min 1 pulse every 116 minutes

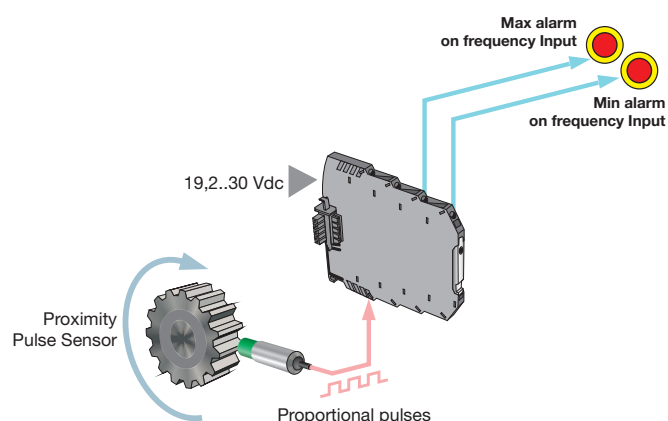
#### Output

Channel Numbers	1
Contact	N.2 threshold channels, PNP, BJT, Mosfet; Max load: 60 mA / 24 Vdc

#### 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
K111	Isolated dual output frequency trip amplifier, Power supply 19,2..30 Vdc

### ACCESSORIES & SOFTWARE

<b>K-BUS</b> Expandable power supply connector pg. 114	<b>K-SUPPLY</b> Redundant power supply module pg. 114	<b>EASY USB</b> USB ↔ UART TTL CONVERTER pg. 60	<b>EASY_LP</b> Programming software pg. 114

### SIMILAR PRODUCTS

<b>Z111</b> Frequency to DC current/voltage isolator/converter pg. 34	<b>Z104</b> DC current/voltage to frequency isolator/converter pg. 33	<b>K112</b> Universal digital coupler/isolator pg. 112	<b>S311D</b> Frequency / digital input indicators - totalizers pg. 124