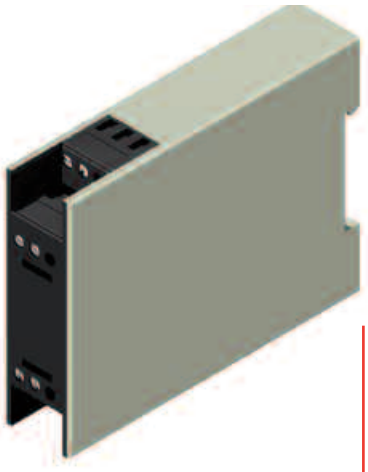
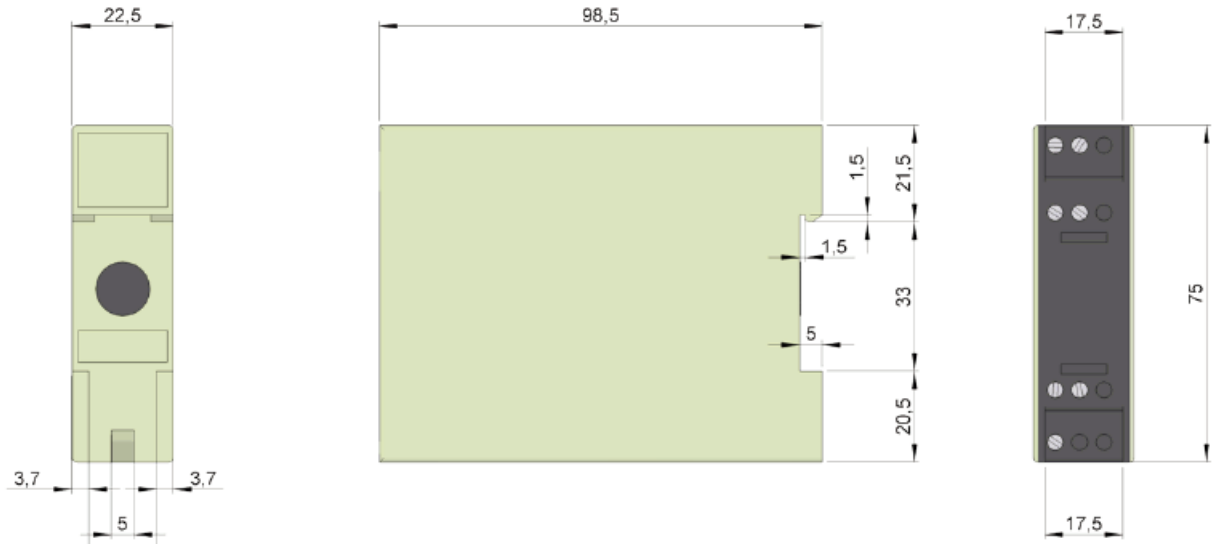
DIRECTION DETECTOR MODULE 90.8601

DIRECTION DETECTOR MODULE FOR ENCONDERS

- Rotational direction discriminator
- Input A and B Push-pull (HTL) opto-isolated
- Output A, B and direction Push-pull (HTL)
- Low consumption 70mA (without load)
- Power supply 10..24v
- Protection class IP 20
- Rapid assembly on a DIN rail





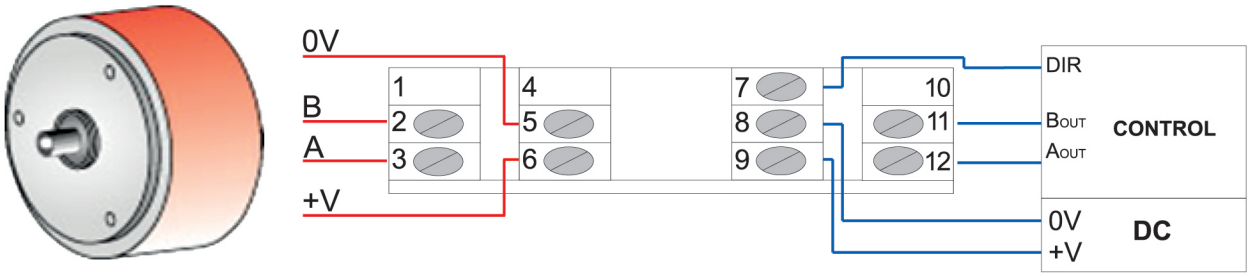
MECHANICAL SPECIFICATIONS

Input channels	A/B
Input signal type	Push-Pull
Input signal level	10..24v
Frecuency	200 Khz
Passive filter	250 Khz
Phase displacement of input signal	90º ±25%
Output channels	A/B/direction
Output signal type	Push-pull
Output signal level	10..24v
Output load intensity	30 mA per channel
Power supply	10..24v
Intern consumption	70 mA without load
Encoder power supply output	10..24v
Connection type	Pitch of the connection strip screw 5,08
Max.conductor sections	Max 2,5 mm2
Protection against dust and splashes	IP 20
Relative humidity	85%
Operating temperature range	-10º..+70ºC
Assembly	DIN Rail in 50022
Weight	100 gr
Housing	Grey polycarbonate UL94

MODULE DESCRIPTION

Especially designed module for applications where automatic up/down inputs are lacking. The digital direction detector takes advantage of the two channels of encoder A and B for generating a DIR output signal. According to the direction in which the encoder turns, channel A will advance by 90º to B or vice versa. In the first case, the DIR output will be a 0. In the second case, where channel B advances on channel A, the DIR output will be a 1. Apart from the DIR output, the A and B input signals are digitalised and regenerated at the Aout and Bout respectively. The output driver for the three signals (Aout, Bout and DIR) is a 10-24V Push-Pull.

CONNECTION DIAGRAM



PIN 1: NC
PIN 2: Input channel B encoder
PIN 3: Input channel A encoder
PIN 4: NC
PIN 5: 0 V Encoder
PIN 6: Power supply encoder +V
PIN 7: Output DIR
PIN 8: 0 V
PIN 9: Power supply encoder +V
PIN 10: NC
PIN 11: Output B_{out}
PIN 12: Output A_{out}

hohner AUTOMATICOS S.L.
www.hohner.es - info@hohner.es - Tel.: (00 34) 972 160 017 - Fax: (00 34) 972 160 230