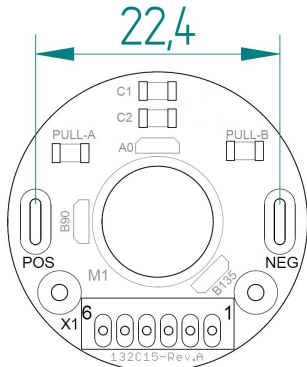




# ENCODER NPN (or PNP) 2 Hall probe A/B



Encoder board

## GENERAL CHARACTERISTICS

- 1 - External diameter 27,5 mm
- 2 - Internal diameter 10,2 mm
- 3 - Supply voltage 4,5 ÷ 24 VDC
- 4 - Bipolar hall sensor
- 5 - Pull-Up resistance = 1Kohm
- 6 - Pull-Up resistance with different
- 7 - Working temperature -20°C +80°C
- 8 - Connector X1 PH 6 poli, pitch 2 mm
- 9 - Max voltage pin 1 e pin 6: 32 Vdc
- 10 - Max current pin 1 e pin 6: 2 A

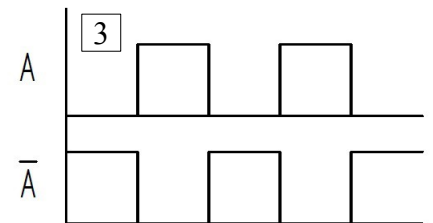
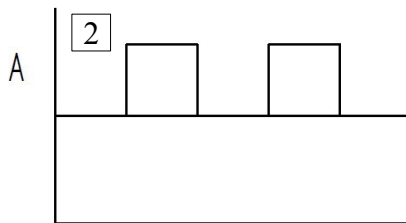
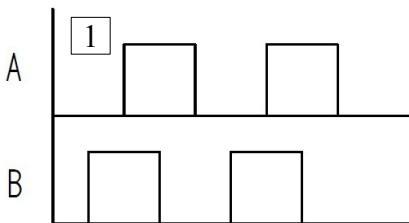
**PNP version upon request (not available for gear ratios 1/108 – 1/240 – 1/540 and motorized valves)**

## Application

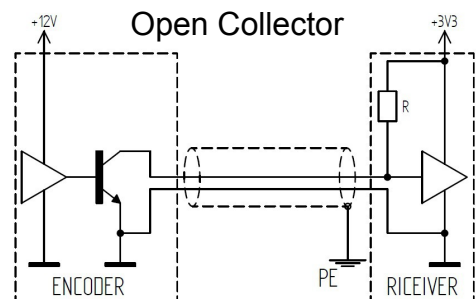
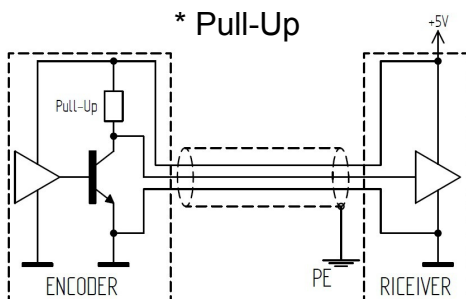
Control speed and position for RADIA actuators and gearmotors model LAT/LAF/LATT/GM/MOTORIZED VALVES

## ENCODER configuration signal

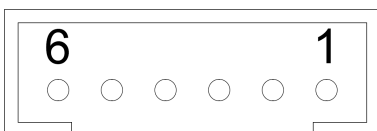
1. Double canal A + B, 90° (standard)
2. Single signal A (upon request)
3. Double canal A + B, 180° (upon request)



## Circuit configuration (\*Pull-up version upon request)



## Connection (wires)



Pin 1: - Motor (black)

Pin 2: GND Encoder (yellow)

Pin 3: out Hall sensor B (blue)

Pin 4: out Hall sensor A (violet)

Pin 5: +VCC Encoder (brown)

Pin 6: + Motor (red)

**RADIA S.R.L.**

UFFICI E STABILIMENTO: VIA MARCONI, 65/A - 10040 PIOBESI TORINESE (TO) - ITALY

TEL. +39.011.9936019 R.A. FAX +39.011.9936021 - EMAIL [INFORADIA@RADIAMOTION.COM](mailto:INFORADIA@RADIAMOTION.COM) - WEB [WWW.RADIAMOTION.COM](http://WWW.RADIAMOTION.COM)