

iNORéA

Automatismes & Industrie



FREQUENCY INVERTER-050

PILOTAGE BY ANALOG INSTRUCTIONS

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1. FUNCTION DESCRIPTION: PILOTAGE BY ANALOG INSTRUCTIONS

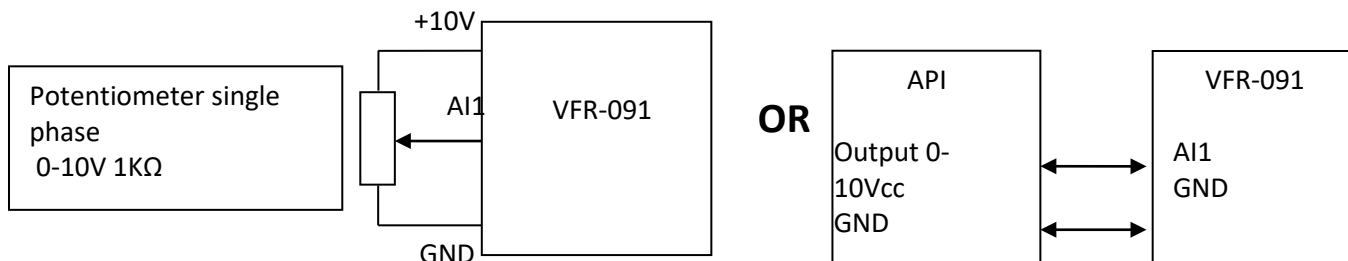
This function allows to vary the frequency of the inverter instruction from a potentiometer or an analog signal 0-10V, and so to vary the motor rotation speed.

2. ACTIVATION OF THE FUNCTION: PILOTAGE BY ANALOG INSTRUCTIONS

This parameter allows to activate the frequency pilotage by an analog signal 0-10V on AI1.

F0.03=2

3. WIRING REQUIRED



4. SETTING FOR 1 DIRECTION OF ROTATION

Order to start-up by a button *Ordre de démarrage par bouton* with F0.11=0 or with the terminal block with F0.11=1 and an electrical link between the terminals COM and DI1.

F0.03=2 (Pilotage analog signal on AI1)

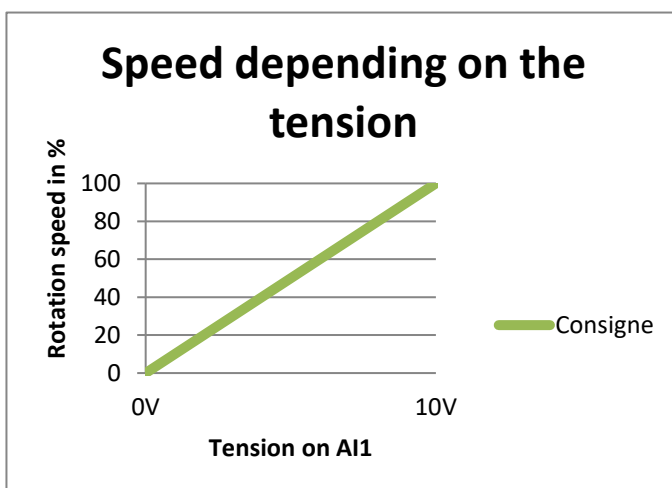
F1.12=0.00 (Minimum tension)

F1.13=0.00 (Minimum % of the speed)

F1.14=10.00 (Maximum tension)

F1.15=100 (Maximum % of the speed)

F1.24=H321 (Curve 1: activation, use of the parameters F1.12 => F1.15)



5. SETTING FOR 2 DIRECTION OF ROTATION

Order to start-up by a button with F0.11=0 or with the terminal with F0.11=1 and an electrical link between the terminals COM and DI1.

- F0.03=2 (Pilotage by analog signal on AI1)
- F0.23=.. (Minimum frequency to stop "dead zone")
- F1.16=0.00 (Minimum tension)
- F1.17=-100 Minimum % of the speed: direction 2)
- F1.18=10.00 (Maximum tension)
- F1.19=100 (Maximum % of the speed: direction 2)
- F1.24=H.322 (Curve 2: activation, use of the parameters F1.16 => F1.19)
- F7.18=2 (Motor stops in the "dead zone")

