

iNORéA

Automatismes & Industrie



FREQUENCY INVERTER-091/092

PILOTAGE BY ANALOG INSTRUCTIONS

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Table of content

1. DESCRIPTION DE LA FONCTION PILOTAGE PAR CONSIGNE ANALOGIQUE	Erreur ! Signet non défini.
2. ACTIVATION DE LA FONCTION PILOTAGE PAR CONSIGNE ANALOGIQUE	Erreur ! Signet non défini.
3. CÂBLAGE À RÉALISER	Erreur ! Signet non défini.
4. PARAMÉTRAGE POUR 1 SENS DE ROTATION	Erreur ! Signet non défini.
5. PARAMÉTRAGE POUR 2 SENS DE ROTATION	3

1. Function description: pilotage by analog instructions

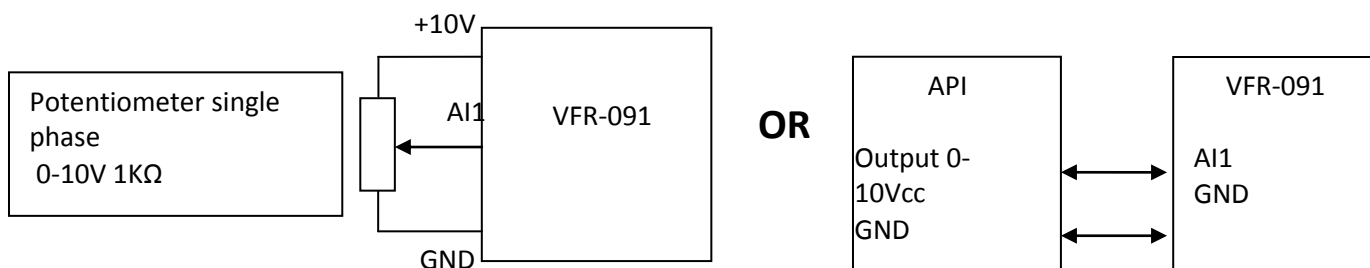
This function allows to vary the frequency of the inverter instruction from a potentiometer or an analog signal 0-10V, and so to vary the motor rotation speed.

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

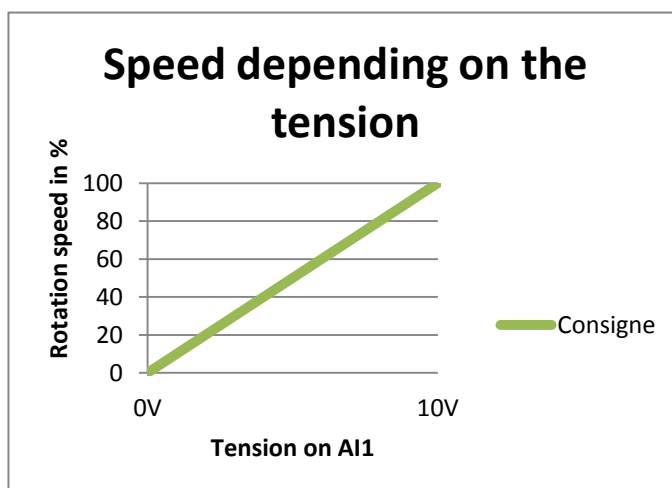
3. Wiring required



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")

