

Controller

DIGR-1502/E

Data sheet
Revision 1.10.2022

Technical data:

| | |
|---------------------------------|---|
| Rated supply voltage Unap | 110-230 V, 50/60 Hz |
| Maximum load power | 1200 VA for Unap 230 V 600 VA for Unap 110 V |
| Intrinsic power dissipation | 10 W |
| Output voltage | 5-100 % Unap with 0,5 % steps |
| Output frequency | 20-120 Hz with 0,2Hz steps |
| 2× digital input | 24 V DC PNP |
| 2× digital output | 24 V DC max. 120 mA |
| 1× analogue/digital input | 0-10 V DC / 24 V DC PNP |
| Auxiliary output voltage (SELV) | 24 V DC max. 180 mA 10 V DC max. 10 mA |
| Interference suppression | class A (ČSN EN 55011 ed. 4) |
| Protection | IP54 |
| Weight | 1,3 kg |



Description

The DIGR 1502/E controller is designed to control vibratory feeders driven by an electromagnetic coil. Two basic variables are regulated.

- Output voltage amplitude – in the range of 5–100%
- Output voltage frequency – in the range of 20–120 Hz

The operation of the controller is defined by parameters that are set by the user from the control panel with text display. The controller can be controlled from the control panel or by external analogue and digital signals. The controller allows the connection of a vibration sensor to the feedback loop and ensures the stability of the feeder output depending on its filling. The controller includes a safely isolated 24 VDC / 4 W SELV supply for powering peripheral devices such as sensors and air valves, and an auxiliary 10 VDC supply for powering the analogue input. In addition to controlling the vibration intensity, the controller can also handle many logic functions.

fig. 1 - connection of the external parts of the controller

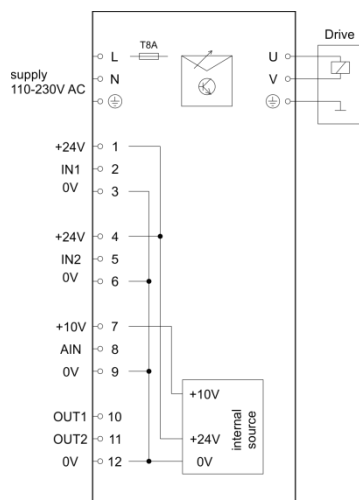


fig. 2 - basic dimensions

