

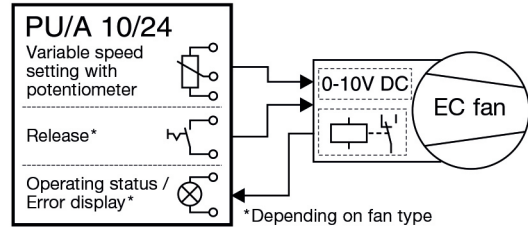


Snelheidsregelaar - Potentiometer

PU / PA



Pictorial schematic PU / PA



Speed potentiometer PU/PA with additional functions Switch and LED

- Area of application**
For direct control/setpoint specification for EC fans with a potentiometer input. Also with release switch and LED display for operating status (depending on the fan type equipment).
- Control with potentiometer**
The potentiometer is directly connected to the potentiometer input on the fan control. This has a potentiometer power supply of e.g. 10 V DC and a setpoint input of 0–10 V DC.
- Minimum voltage**
A second potentiometer is integrated in the PU/PA. The minimum voltage (min. 1.3 V) is continuously variable, so that a safe motor start-up is guaranteed at the lowest speed setting.
- Release switch**
The rotary knob for the potentiometer is also a pressure switch which can be used to activate/deactivate a fan with release input (e.g. 24 V DC).

- Light ring with LED**
Optical indication of fan operating status. Changes from green (normal operation) to red (fault) for fans with operation signalling relay. Required supply voltage see technical data.

Product range

LED power supply 10 V
PU 10 Ref. no. 01734
Installation in standard flush-m. box
Dim. mm W 80 x H 80 x D 21 protr.

PA 10 Ref. no. 01735
Casing Surf.-mounted installation, plastic, light grey
Dim. mm W 80 x H 80 x D 65

LED power supply 24 V
PU 24 Ref. no. 01736
Installation, dimensions see PU 10

PA 24 Ref. no. 01737
Installation, dimensions see PA 10

Technical data for all types
Potentiometer 10 kOhm
(min. potentio. aprx. 7.9 – 16.5 kOhm)
A potentiom. power supply of 10 V provides a control voltage 0 – 10 V DC.
Min. volt. 1.3 – 6.7 V DC adjustable.
LED supply voltage:
10/24 V DC (P 10/24), min. 6 mA
Perm. ambient temp. 0 to +40 °C
Protection category IP40
Wiring diagram no. 1000