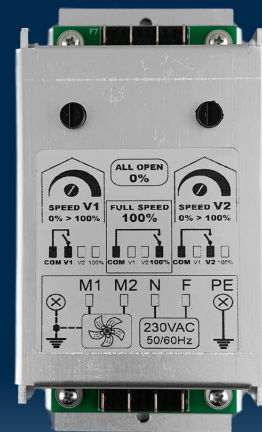


TRP

Analogue controller with adjustable steps for single-phase asynchronous fan motors



AC AC fans

Single-phase

Slave

The **TRP slave controller** is an **analogue electronic device** designed for **air conditioning, refrigeration, ventilation, heating, destratification** and **air handling** systems that require **simple** and **effective** speed control of **single-phase asynchronous motors**, particularly **Class F asynchronous motors** compatible with **phase-cut control**.

Based on **mains-balanced phase-cut control** technology, **TRP** allows selection—via an **ON/OFF contact**—of up to **four Vac output voltage levels: OFF – V1 – V2 – 100%**, with **V1** and **V2** manually adjustable from **0% to 100%** through the dedicated **adjustment trimmers**.

This logic makes it possible to create a **fixed step** speed curve, ideal for applications with **seasonal operating requirements, step-based control**, or operation driven by **digital signals** (e.g. **switches** or **pressure switches**).

The device is equipped with a **Class B EMC filter** and **overvoltage protection** up to **275 Vac**, ensuring high **robustness** in **electrically critical environments**.

It is compatible with all main **earthing systems (IT, TT, TN)**, ensuring **flexibility** and **safety** during installation.

Rated current (RMS)

at 50 °C ambient temperature

8A

Supply voltage

Available options:

50/60 Hz:

230 Vac ± 15%

Manual

Control principle

Phase-cut control

Single-phase phase-cut control, mains-synchronised and line-balanced

Inputs

3 Inputs
For sensors and control signals

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On/Off

Control system

Off - Min - Mid - 100%

Technical specifications

Number of motor connection outputs	1
Interface	Analogue
Electrical protections	<ul style="list-style-type: none">• Control input protection• Mains overvoltage protection
Protection ratings	IP20
Applicable earthing systems	Full compliance with international earthing standards IT / TT / TN
Operating temperature	-20°C / 50°C
Weight (kg)	0,30
Dimensions H x W x D (mm)	135 X 63 X 65



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V1.2