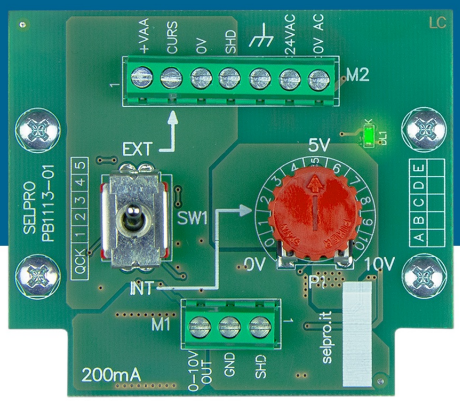
EDDY

It enhances the **Active Safety System**, improving management of the **Vdc** and **PWM** control-signal network.



EC fans

Master & Slave

Description

Eddy is a device designed to optimise control of the **0–10 Vdc** network of **electronic actuators**, such as **EC fan motors**. It **amplifies** and converts **0–10 Vdc** or **PWM** signals into control signals with **industrial characteristics**. **Eddy** reads the incoming **0–10 Vdc** control signal, **regenerates** and **boosts** it, converting it into a **0–10 Vdc** or **PWM** command, ensuring **stable control** of groups of **EC motors** or **electronic actuators**. The **Eddy series** is the ideal solution to optimise management of **networked analogue electronic systems**, providing a **stable control command** and the **current (mA)** required to support **protected signal processing**. Its operation is designed to ensure **safe operation**, higher **efficiency** and **business continuity**. In the event of a failure of the **remote control system**, **Eddy** automatically switches to the **previously set command**, ensuring **safe** and **efficient** operation.

Power supply

24 VAC +/- 10%

24 VAC

Amplification

- PWM signal
- 0–10 V signal

20mA 60mA 200mA

50/60Hz

IT - TT - TN

Full compliance with international **earthing standards**

Input

0-10V

Applications

Refrigerated display cases

0–10 / PWM systems

Ventilation systems

Traditional thermostat controller

MAX **20mA**

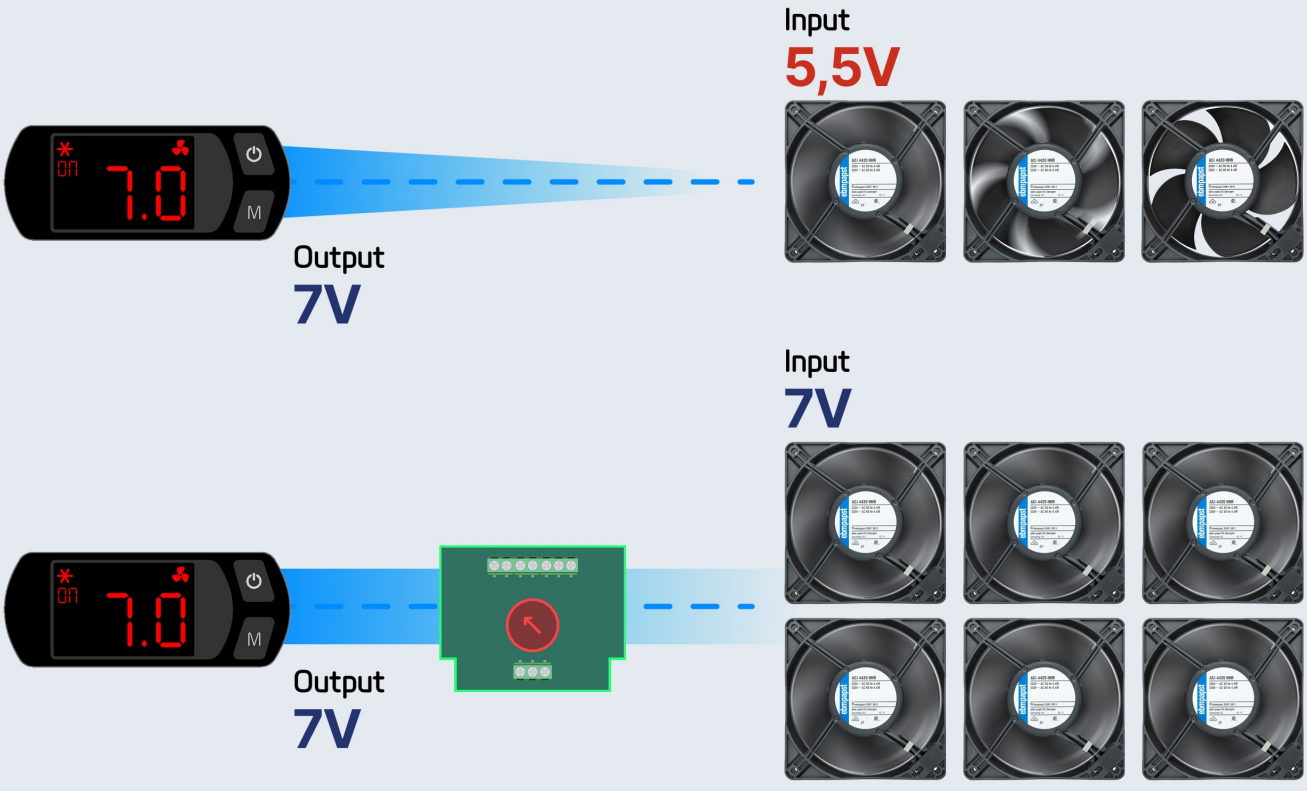
An EBM fan from the ACI 4420 series requires approximately 10 mA to operate correctly

With Eddy

Up to **200mA**

Signal stabilisation

The 0–10 V signal used to control electronic motors can degrade over long distances and, without adequate support, it does not provide sufficient current to correctly drive the load. This can cause operational inefficiencies or malfunctions

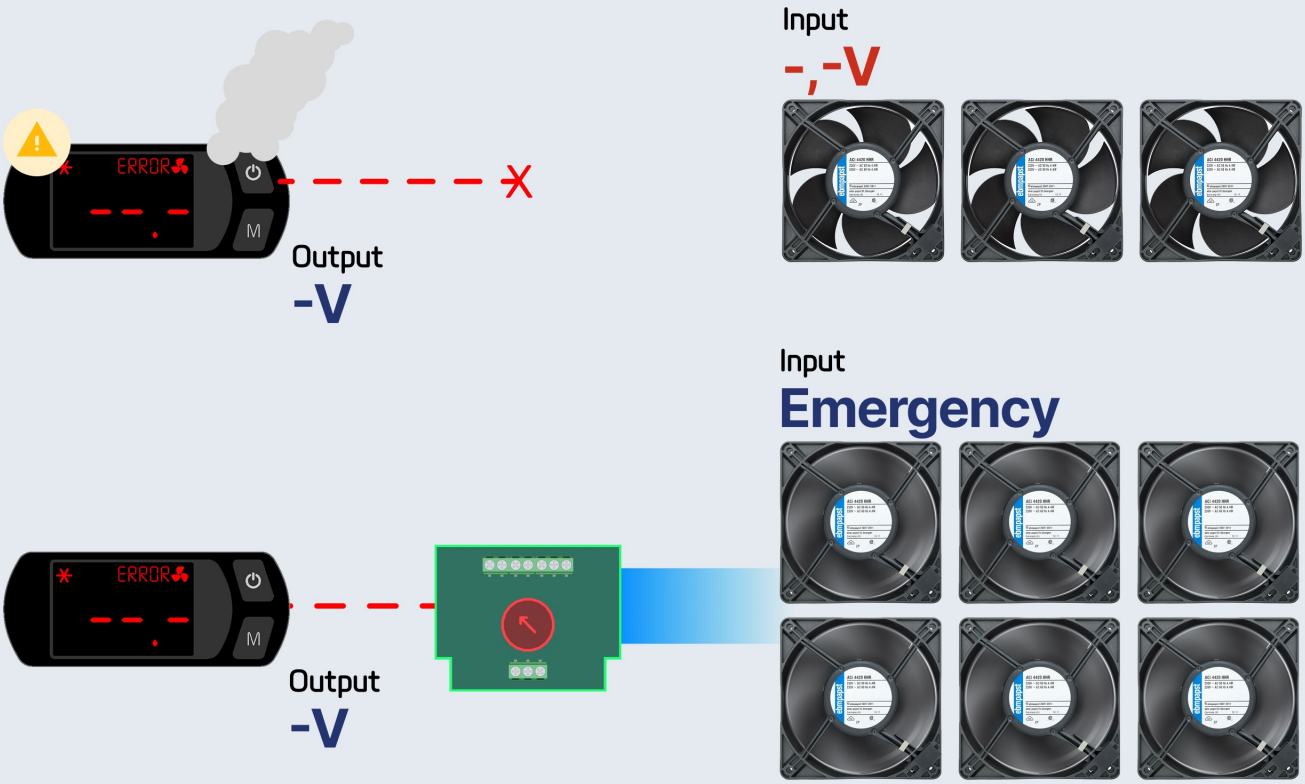


Special functions

Fail-Safety

Business continuity

Thanks to the **Fail-Safety** function, **Eddy** ensures **continuous control** even in **emergency situations**, automatically activating as an **emergency bypass** to guarantee **operational continuity**.



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