

ELS 0-10 V



0-10 V



The ELS 0-10 V fan unit offers a modern and flexible control option via a 0-10 V input. This enables demand-based and automated ventilation control through a central building management system (BMS) – from activation and runtime to the desired intensity. With its seamless integration into building management systems, ELS 0-10 V is the ideal solution for use in hotels, care facilities and commercial properties.

Description / Delivery

- ☐ Ideal for integration with a building management system (BMS) or control via adjustable sensors with a 0-10 V output.
- ☐ High pressure performance ensures a constant flow rate while maintaining exceptionally quiet operation.
- ☒ Suitable for use in Zone 1 of wet rooms according to the German standard DIN VDE 0100-701.
- ☐ Standard alpine white inner facade, with an optional deep black (RAL 9005) cover available.
- ☐ Equipped with an optical filter cleaning indicator and a dishwasher-safe permanent filter.
- ☐ Double insulated, class II, IPX5.
- ☐ Energy-saving EC motor (230 V~, 50/60 Hz).
- ☐ Tool-free insertion mounting with simultaneous electrical contact closure for easy and fast installation.

Performance control

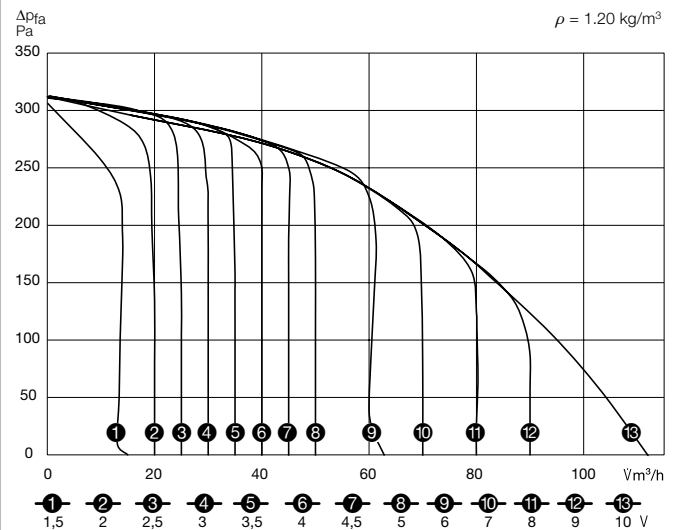
- ☐ The flow rate of the ELS 0-10 V fan unit can be continuously adjusted within a range of 15 – 100 m³/h via a 0-10 V control signal.
- ☐ Additionally, control via external potentiometers (e.g., Helios PU/PA) is possible. The required control voltage is provided directly by the motor electronics. The fan also transmits a status signal (On/Off) via an 'Open Collector' transistor output, ensuring easy feedback to higher-level systems.

Housing

- ☐ Suitable for universal installation in all ELS flush-mounted and surface-mounted housings.

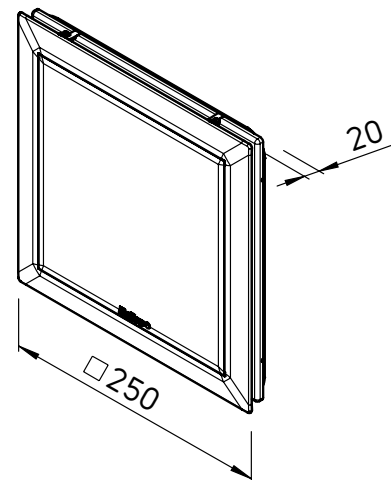
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Accessories	78 ff.

Performance curves ELS 0-10 V



The illustrated performance curves are for reference only. The actual performance curve of the installed unit depends on the specified control voltage.

Dim. Inner panel ELS 0-10 V



Dimensions in mm

Type	ELS 0-10 V
Ref. no.	40766
Poti supply in V / mA	10 V / 10 mA
Control / Setpoint input in V / A (load)	0-10 V / 0.1 mA
Operating status indication	Open Collector fan On / Off
Voltage/Frequency	1~, 230 V, 50/60 Hz
Connection DN mm	78
Protection type	IP X5
Electrical connection	NYM-O, 6x1.5 mm²
Weight approx. kg	1.69
Connection to potentiometer according to SS	1544
Connection BMS according to SS	1545
Connection to PU/PA according to SS	1538