



With these speed controllers, Helios offers a simple solution by connecting the fans and central building management systems specified by the customer!

■ Common features

- ☐ Control via analogue 0-10 V on-site input signal, electronic control system EUR 6 C or other controllers.
- ☐ A number of different fans can be controlled by one controller up to its maximum load.
- ☐ Several controllers can be controlled in parallel by a central building management system that allows the ventilation to be distributed to several fans or fan units and therefore in several circuits.
- Accessories for both series An universal control unit with 10 V output can be used if the fans are not controlled by a central building management system.

Type EUR 6 C Ref. no. 1321 See electronic control system page for description.

■ Specification ESD

Convenient, stepless, electronic speed controller for 3 ph. fans, which can be controlled via phase control through voltage reduction (except KVD Ex types). Latest technology through use of micro-controllers.

■ Possible settings / Display

- □ On/off and stepless speed selection via rotary potentiometer.
- □ 0-10 V input. Thus, remote control possible with on-site rotary potentiometer (22 kOhm).
- ☐ 3 ph. phase monitoring, protection against phase failure.
- ☐ Smooth start-up function.
- Automatic minimum initial voltage 80 V.
- ☐ Fulfils EMC requirements class B, shielded cable not reguired between unit and motor.
- LEDs as status and fault display.
- □ Integrated protection for electronics against overload.
- ☐ Full motor protection by monitoring the thermal contacts of motors.

- Polymer casing, light grey with wide cooling element.
- ☐ Can be used directly even in dirty areas (e.g. kitchen) due to protection class IP 65.

ETW



■ Specification ETW

Seven-step electronic transformer control unit for speed control of 1 ph. fans. Robust and low-loss power units for ventilation systems controlled by central building management systems.

■ Possible settings / Display

- ☐ Built-in operating switch allows on, off and direct supply switching.
- ☐ Power step rotary switch allows manual operation of steps (1-7) or automatic operation. In "auto" mode, the transformer control unit is automatically con-

trolled by the on-site ventilation

- control. ☐ The operating step is displayed by a LED.
- ☐ The built-in minimum air volume switch can be totally switched off from the ventilation controller via the analogue input.

Overload protection

ETW types are protected against permanent overload by a built-in temperature switch. When the overload protection trips, the unit switches automatically to direct supply. After cooling down, the unit switches back to normal operation. The interference can or should be signalised via the output to an on-site alarm system.

Casing

Polymer casing, light grey.

Dimensions

Type	D.	Weight kg		
	Н	W	D	Ng
ETW 5	315	240	210	8
ETW 10	315	240	210	10

Model range

Туре	Ref. no.	Output current	Power con- sumption	Wiring diagram	Dimensions H W D		Cooling element width	Weight	Protec- tion to	
		Α	kW	No.	mm	mm	mm	mm	kg	IP
For three phase fans, 3~, 400 V, 50/60 Hz										
ESD 5	0501	5.0	2.2	831	160	115	165	23	1.5	65
FSD 11	5 0502	11.5	5.5	831	160	160	165	68	1.7	65

Model range

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Туре	Ref. no.	Output current	Output voltages Step ② ③ ④ ⑤ ⑥ ②						Wiring diagram	Protection to	
		А				V				No.	IP
For single phase fans, 1~, 230 V, 50/60 Hz											
ETW 5	1263	5.0	80	95	115	135	165	195	230	683	54
ETW 10	1264	10.0	80	95	115	135	165	195	230	683	54