

ESD



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.

Model range

Type	Ref. no.	Output current	Power consumption	Wiring diagram	Dimensions			Cooling element width	Weight	Protection to
					H	W	D			
		A	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
ESD 11.5	0502	11.5	5.5	831	160	160	165	68	1.7	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 controlled 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 signalled via the output to an on-site alarm system.

Casing

- Polymer casing, light grey.

Dimensions

Type	Dim. in mm			Weight kg
	H	W	D	
ETW 5	315	240	210	8
ETW 10	315	240	210	10

Model range

Type	Ref. no.	Output current	Output voltages Step							Wiring diagram	Protection to
			1	2	3	4	5	6	7		
		A	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