

zencontrol

Inline fan controller datasheet



Product range

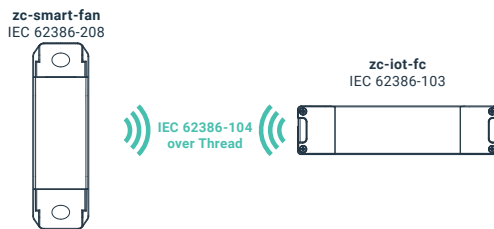
Order code	Description
zc-smart-fan	Wired / wireless fan controller

Features

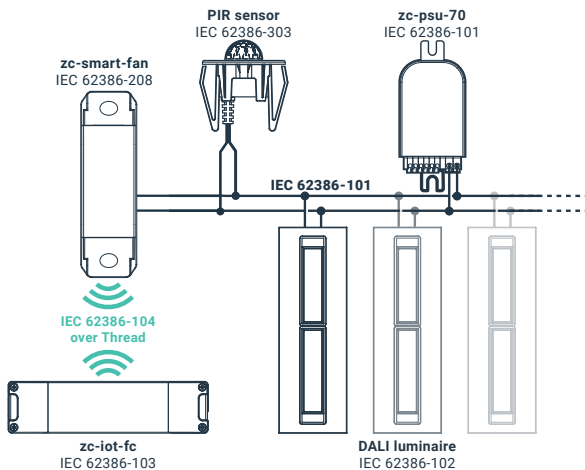
- For use with DALI control system
- Compatible with DALI and DALI-2
- Supports IEC 62386-104 over Thread®
- Compliant to IEC 62386-208
- Protected against DALI over voltage
- DALI device type 7
- Converts DALI ECGs and ECDs to a wireless system

System overview: modes

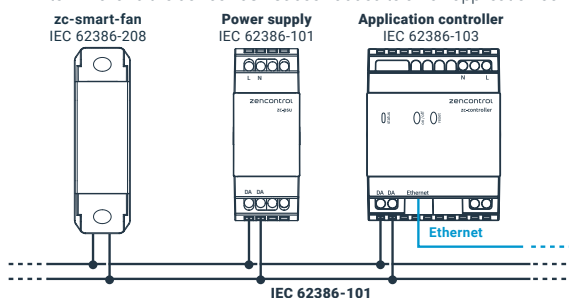
- 104 mode** is enabled after the device has been added to a 104 application controller such as zc-iot-fc.



- 104 + 101** Bridge mode is enabled after the device has been added to a 104 controller and a 101 power supply has been connected to the DALI terminals.



- 101 mode** is enabled after a 101 power supply has been connected to the DALI terminal and the device **has not** been added to a 104 application controller.

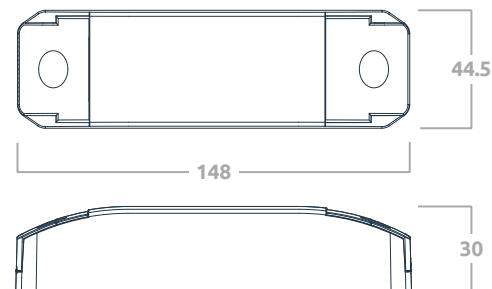


Specifications

Supply voltage	230 V ~ 50 Hz	
Control system	Wired DALI-2 Wireless IEC62386-104 over Thread	
Radio support	IEEE 802.15.4	
Frequency band	2.4 GHz	
Max radio tx power	+8 dBm	
DALI line current	2 mA	
Wiring	1 - 4 mm² Strip 6 - 7 mm	
Motor control	375 W / ½ HP 1.6 A inductive load	
Operating temperature	0 to 55°C	
Material	PC	
Classification	Class II	
Mounting	Independently mounted control for surface mounting	
Ingress protection	IP20	
Compliance standards	IEC 60669-2-1	EN 55015
	IEC 60950-1	EN 55022
	IEC 62386-104	CISPR 15
	IEC 62386-208	

Dimensions

Fixing centres	125 mm
Dimensions	W148 / H30 / D44.5 mm



Four speed output configuration

Speed	Arc min	Arc max	■ On × Off		
			R1	R2	R3
0 (Off)	-	0	×	×	×
1 (Low)	1 (0.1%)	63 (0.545%)	■	×	×
2	64 (0.559%)	127 (3.119%)	×	■	×
3	128 (3.206%)	191 (17.905%)	■	■	×
4 (High)	192 (18.4%)	254 (100%)	×	×	■

Wiring schematic

