

Hygrostat

FLZ 600

Hygrostat-thermostat combination device

FLZ 610

Hygrostats from the FLZ series switch on control cabinet heaters or filterfans when a preset relative humidity is exceeded. The relative humidity is kept above the dew point and the condensation of water on electrical components and the corrosion of unprotected sheet metal is prevented. The electronic combination device unites thermostat and hygrostat in one housing and, at the same time, monitors the relative humidity and the temperature independently of each other.

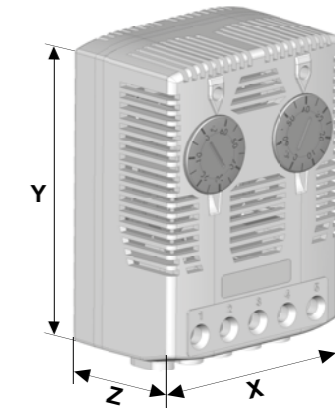
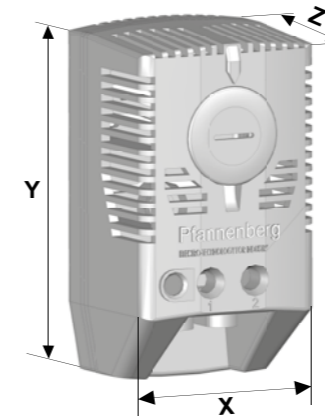


Data	FLZ 600	FLZ 610	Unit
Article number	17207000000	17218100000	
Device implementation	mechanical hygrostat	electronic hygrostat-thermostat combination device	
Type of contact	changeover with spring contact	changeover/relay	
Rated voltage	–	230 V AC 50 / 60 Hz ¹	
Setting range	40 - 90% R.H.	0 °C (+ 32 °F) ... + 60 °C (+ 140 °F)	
Switching difference	approx. 5%	approx. 2 K ± 1 K / approx. 4% R.H. ± 1%	
Contact resistance	–	< 10	mΩ
Max. switching power value in brackets: inductive load at cos φ = 0.6	N.C.	24 - 250 V AC / 2 (0.2) A – min. 100 mA	W
	N.O.	24 - 250 V AC / 5 (0.2) A – min. 100 mA	
	DC	max. 30	
Operating temperature range	0 ... + 60 / + 30 ... + 140	- 20 ... + 60 / - 4 ... + 140	°C / °F
Storage temperature range	- 40 ... + 80 / - 40 ... + 176		
Probe type	polyamide belt	–	
Weight	55	85	g
System of protection	IP 30	IP 20	
Type of connection	screw terminal for cable cross-section 0.5 to 2.5 mm ²		
Operating display	–	LED	
Suitable for the operation of	fan and heater		
Type of mounting	snap fastening for 35 mm profile bars according to EN 60715		
Colour	RAL 7035		
Accessories	Piece	Article number	Information on page
Thermostat	1	17207000000	244/246
Internal enclosure fan	1	18110000000	85

¹ alternatively available in 115 V AC (17218151000)
Approvals see page 229

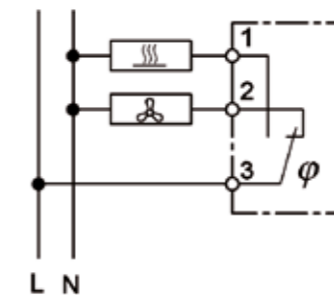
Dimensions

mm	FLZ 600	FLZ 610
X	37	59
Y	64	80.5
Z	46	38



Schematics

FLZ 600



FLZ 610

