Thermostats
FLZ 510 – FLZ 530



The FLZ series of thermostats consists of three versions. They are available with N.C. / N.O.[1] and changeover contacts. In combination with control cabinet heaters, they serve for temperature control inside the control cabinet. In combination with filterfans, they provide for additional savings on energy, materials and time and, hence, for a better environmental balance. All in all, this results in greater reliability of the production process, reduced energy consumption due to need-based use and an improvement in the efficiency of the controlled heaters and filterfans.

Data		FLZ 510		FLZ 520	FLZ 530	Unit
Article number	-20 °C (-4 °F) … +40 °C (+104 °F)	17103000003	17105000003	17111000003	17121000003	
	0 °C (+32 °F) … +60 °C (+140 °F)	17103000000	17105000000	17111000000	17121000000	
	+20 °C (+68 °F) … +80 °C (+176 °F)	17103000004	17105000004	17111000004	17121000004	
Type of contact		changeover with spring contact		N.C. with spring contact	N.O. with spring contact	
Switching temperature difference		1[2]	3	< 7		K
Switching point tolerance		± 3		± 4		K
Max. switching power value in brackets: inductive load at cos φ = 0.6		N.C. 100 - 250 V AC / 10 (2)		240 V AC / 10 (2)		A
		N.O. 100 - 250 V AC / 5 (2)		120 V AC / 15 (2)		A
	DC	max. 30		max. 30		W
Operating temperature range		- 40 … + 80 / - 40 … + 176				°C / °F
Storage temperature range		- 40 … + 80 / - 40 … + 176				°C / °F
Probe type		bimetal		bimetal		
Weight		75		50		g
System of protection		IP 20				
Type of connection		screw terminal for cable cross-section 0.5 to 2.5 mm²				
Special feature		thermal return[2]	–			
Suitable for the operation of		fan and heater		heater	fan	
Type of mounting		snap fastening for 35 mm profile bars according to EN 60715				
Colour		RAL 7035				

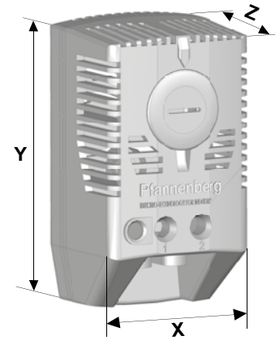
Accessories	Piece	Article number	Information on page
Hygrostat	1	17207000000	248
Internal enclosure fan	1	18110000000	85

[1] N.C. = normally closed / N.O. = normally open
[2] for 230 V AC operation only
Approvals see page 229

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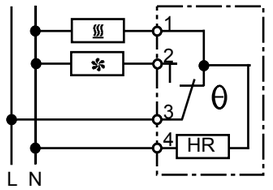
Dimensions

mm	FLZ 510	FLZ 520	FLZ 530
X	37	40	40
Y	59.5	72	72
Z	47.5	36	36

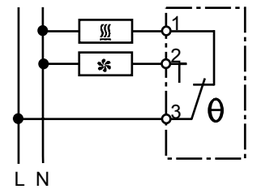


Schematics

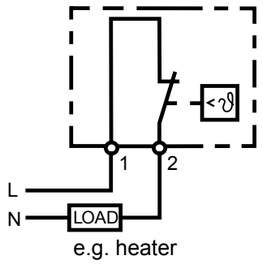
FLZ 510 1K



FLZ 510 3K



FLZ 520 N.C.



FLZ 530 N.O.

