

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	17106000003	17111000003	17121000003
	0 °C (+32 °F) ... +60 °C (+140 °F)	17103000000	17105000000	17106000000	17111000000	17121000000
	+20 °C (+68 °F) ... +80 °C (+176 °F)	17103000004	17105000004	17106000004	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	< 7		K
Switching point tolerance	± 3			± 4		
Max. switching power value in brackets: inductive load at cos φ = 0.6	DC	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)		
		max. 30		max. 30		W
Operating temperature range	- 40 ... + 80 (- 40 ... + 176)					°C (°F)
Storage temperature range	- 40 ... + 80 (- 40 ... + 176)					
Probe type	bimetal		capillary probe (1.5 m)	bimetal		
System of protection	IP 20					
Weight	75			50		g
Type of connection	screw terminal for cable cross-section 0.5 to 2.5 mm ²					
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			192	
Internal enclosure fan	1	18110000000			71	

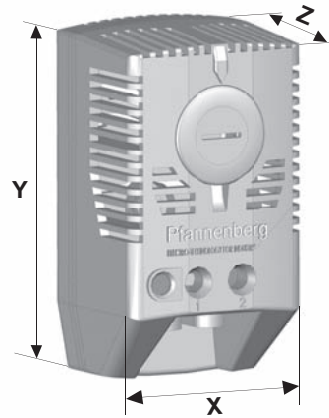
¹ N.C. = normally closed / N.O. = normally open

² for 230 V AC operation only

Approvals see page 175

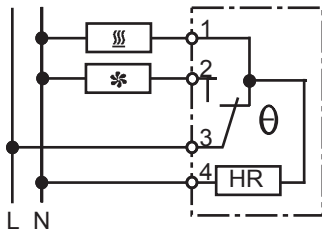
Dimensions

mm	FLZ 510	FLZ 520	FLZ 530
X	37	40	40
Y	64	72	72
Z	46	36	36

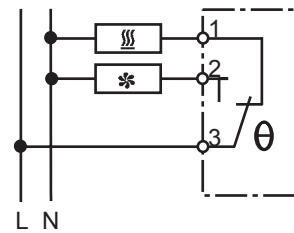


Schematics

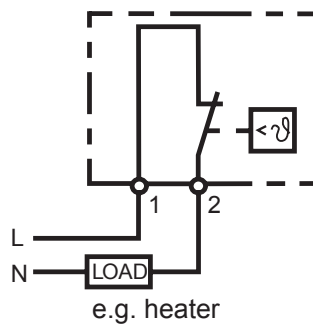
FLZ 510 1K



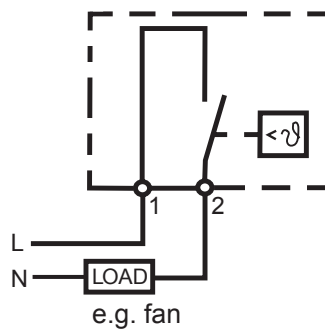
FLZ 510 3K / 7K



FLZ 520 N.C.



FLZ 530 N.O.



Twin Thermostats

FLZ 541 – FLZ 543



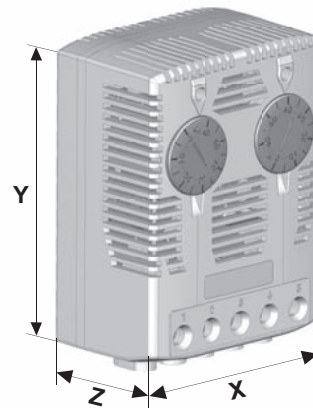
The FLZ series of twin thermostats integrates two independently switchable thermostats. They are available with N.C./N.O.¹, N.C./N.C. and N.O./N.O. contacts. Unlike thermostats with changeover contacts, connected devices can be switched in different temperature ranges.

Data	FLZ 541	FLZ 542	FLZ 543	Unit
Article number	17141000000	17142000000	17143000000	
Type of contact	N.C. / N.O. with spring contact	N.C. / N.C. with spring contact	N.O. / N.O. with spring contact	
Setting range	0 °C (+32 °F) ... +60 °C (+140 °F)			
Switching temperature difference	< 7			K
Switching point tolerance	± 4			
Max. switching power value in brackets: inductive load at cos φ = 0.6	N.C.	240 V AC / 10 (2)		A
	N.O.	120 V AC / 15 (2)		
	DC	max. 30		W
Operating temperature range	- 40 ... + 80 (- 40 ... + 176)			°C (°F)
Storage temperature range	- 40 ... + 80 (- 40 ... + 176)			
Probe type	bimetal			
System of protection	IP 20			
Weight	95			g
Type of connection	screw terminal for cable cross-section 0.5 to 2.5 mm ²			
Suitable for the operation of	fan and heater	heaters	fans	
Type of mounting	snap fastening for 35 mm profile bars according to EN 60715			
Colour	RAL 7035			
Accessories	Piece	Article number		Information on page
Hygostat	1	17207000000		192
Internal enclosure fan	1	18110000000		71

¹ N.C. = normally closed / N.O. = normally open
Approvals see page 175

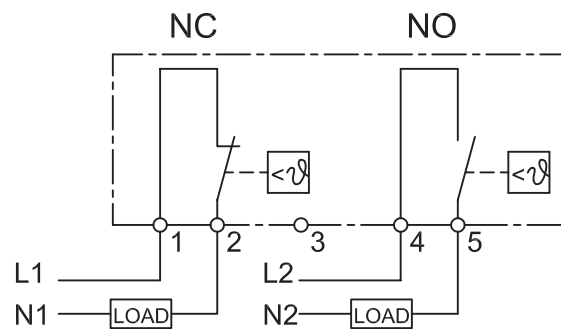
Dimensions

mm	FLZ 541	FLZ 542	FLZ 543
X		59	
Y		80.5	
Z		38	

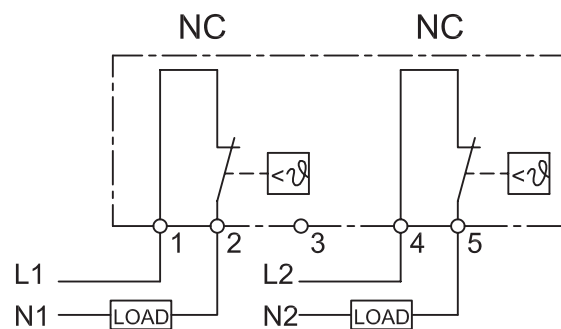


Schematics

FLZ 541



FLZ 542



FLZ 543

