

# FLZ 541-543 | TWIN THERMOSTATS

The FLZ 541-543 Series Twin Thermostats are available in 3 different models. The FLZ 541 comes with N.C./N.O. contacts, the FLZ 542 comes with N.C./N.C. contacts and the FLZ 543 comes with N.O./N.O. contacts. Unlike a single thermostat with changeover contacts, connected devices can be switched to different temperature ranges to manage the internal cabinet temperature.

## Ultra Compact Design

At slightly over 2" wide and just over 3" tall, this compact design easily installs into areas that have a limited installation space.

## Durable Long-Lasting

With its rugged design and solid construction you can count on the FLZ Thermostat to perform consistently over a long period of time.

## Easy Mounting Options

Unit can be connected to a standard DIN rail **without tools** using the included snap fastener.

3.17 in. (80.5 mm)



## Independent Controls

Control dials are color coded based on the model. The FLZ 541 comes with a red dial for controlling the heater and a blue dial for controlling the fan. The FLZ 542 comes with 2 red dials for controlling 2 heaters or a heater and alarm. The FLZ 543 comes with 2 blue dials for controlling 2 fans or a fan and alarm.

## Energy Savings Solution

One unit can control two separate devices. When controlling a Filterfan® the FLZ Twin Thermostat can control the operation of the fan, turning it off and on based on a set temperature.

When also controlling a heater, the FLZ Twin Thermostat can turn the heater on and off based on enclosure temperature. This provides an environmental balance through energy reduction.

## UL Certified for 508A Panels

Thermostats are UL Recognized allowing for integration into UL 508A panels.





## FLZ 541-543 Series Twin Thermostats

Model Number	Part Number RAL 7035 (Light Grey)	Setting Range °F / °C	Switching contact Voltage (VAC) (DC)		Type of contact	Switching Temperature difference (K)	Switching point tolerance (K)	Weight lb (kg)
FLZ 541	17141000000	0-60 °C	100-250	max. 30 W	N.C. / N.O. with spring contact¹	<7	± 4	.21 (.09)
	17141000010	32-140 °F	100-250	max. 30 W	N.C. / N.O with spring contact¹	<7	± 4	.21 (.09)
FLZ 542	17142000000	0-60 °C	100-250	max. 30 W	N.C. / N.C. with spring contact¹	<7	± 4	.21 (.09)
	17142000010	32-140 °F	100-250	max. 30 W	N.C. / N.C. with spring contact	<7	± 4	.21 (.09)
FLZ 543	17143000000	0-60 °C	100-250	max. 30 W	N.O. / N.O. with spring contact	<7	± 4	.21 (.09)
	17143000010	32-140 °F	100-250	max. 30 W	N.O. / N.O. with spring contact	<7	± 4	.21 (.09)
Additional Data		FLZ 541		FLZ 542		FLZ 543		
Operating temperature range		-40 ... +176 (-40 ... +80)						°F (°C)
Connection		screw terminal for cable cross-section 0.5 to 2.5 mm²						
Suitable for the operation of :		fan and heater		heater/alarm		fan/alarm		
Type of mounting		snap fastening for 35mm profile bars according to EN 60715						

<sup>1</sup>N.C. = normally closed / N.O. = normally open

<sup>2</sup>For 230 V AC operation only

Approvals (see the Quick Selection Chart found at the beginning of this section)



For additional technical data,  
drawings and manuals.  
[www.pfannenbergusa.com](http://www.pfannenbergusa.com)

## Schematics

FLZ 541	FLZ 542	FLZ 543

## Available Models:

### FLZ 541-543 Twin Thermostats

(0-60 °C or 32-140 °F)

