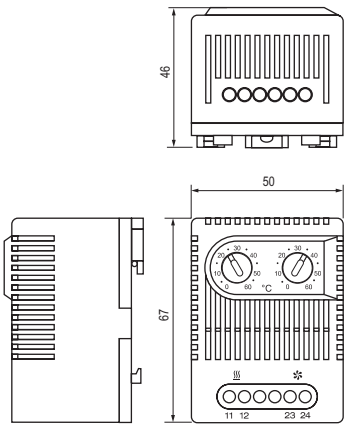
Dual Thermostat

ZR 011



- > NO and NC in one casing
- > Separate adjustable temperatures
- > High switching capacity
- > Terminals easily accessible
- > Clip fixing

Two thermostats in one casing:
Thermostat (contact breaker, normally closed) for regulating heaters. The contact opens when temperature is rising.
Thermostat (contact maker, normally open) for regulating filter fans and heat exchangers or switching signal devices when temperature limit has been exceeded. The contact closes when temperature is rising.
Heaters and cooling equipment can be switched independently from each other with a temperature offset as opposed to the usual change-over contacts.

Technical Data

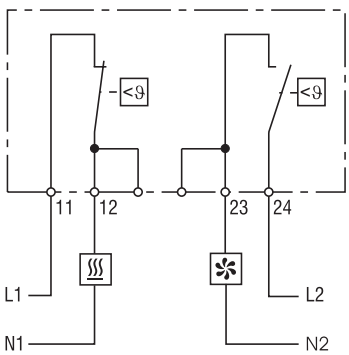
CE RoHS ISO9001 Patent

ZR 011	
Switch temperature difference	+/-5°C
Sensor element	thermostatic bimetal
Contact type	snap-action contact
Service life	> 100,000 cycles
Max. switching capacity	250VAC, 10 (2) A / 120VAC 15(2)A, DC30W
Max. inrush current	AC 16A for 10 sec.
Connection	4-pole terminal, clamping torque 0.5Nm max.: rigid wire 2.5mm² (AWG 14) stranded wire[1] 1.5mm² (AWG 16)
Mounting	clip for 35mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	67 x 50 x 46mm
Weight	approx. 90g
Fitting position	variable
Operating/Storage temperature	-45 to +80°C (-49 to +176°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type	IP20

[1] When connecting with wires, wire end ferrules must be used.
Important note: The contact system of the regulator is subjected to environmental influences, thus the contact resistance may change. This can lead to a voltage drop and/or self-heating of the contacts.

Connection diagrams

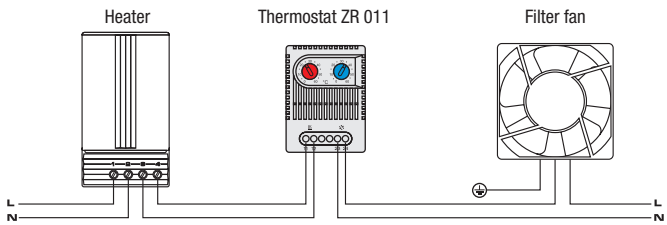
Thermostat ZR 011 (NC/NO)



Heater

Filter fan, Cooling equipment, Signal device

Examples of connection



Art. No.	Setting range		Setting range	
01172.0-00	Contact breaker (NC)	0 to +60°C	Contact maker (NO)	0 to +60°C
01172.0-01	Contact breaker (NC)	+32 to 140°F	Contact maker (NO)	+32 to 140°F
01175.0-00	Contact breaker (NC)	-10 to +50°C	Contact maker (NO)	+20 to +80°C
01175.0-01	Contact breaker (NC)	+14 to 122°F	Contact maker (NO)	+68 to +176°F
01176.0-00[2]	Contact maker (NO)	0 to +60°C	Contact maker (NO)	0 to +60°C
01176.0-01[2]	Contact maker (NO)	+32 to 140°F	Contact maker (NO)	+32 to 140°F

WENZHOU NATURAL
AUTOMATION EQUIPMENT CO., LTD.
www.dobettergroup.com Tel: +86-577-62787886 Fax: +86-577-62768368 Mobile: +86-15088970667 sales@dobettergroup.com