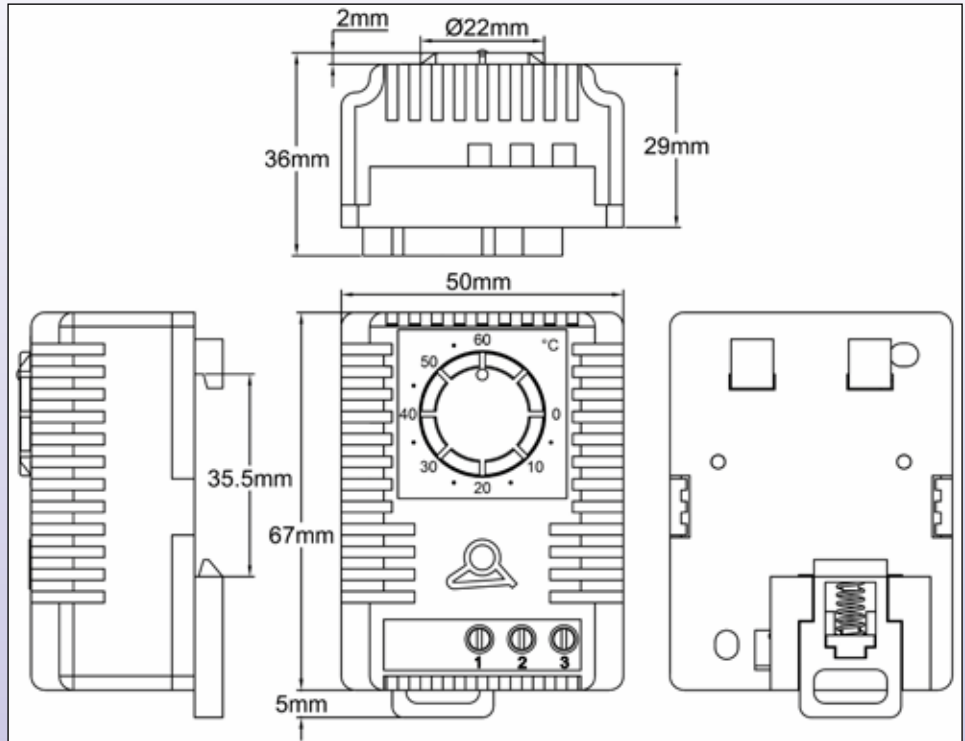


# Y0 range - IP20 to IP44 enclosures and thermostatic controls

## Electrical cabinet ambient temperature thermostats, Din Rail mounting, type Y02N



### Main use:

These models have been designed to control the temperature inside electrical cabinets, being mounted on their DIN rail. Their SPDT contact allows their use to control a cabinet heater, a fan or a filter fan, or a cooling system.

**Temperature ranges:** -10+20°C (14+68°F) ; -10+50°C (14+122°F) ; 0-60°C (32-140°F) ; 5-35°C (41-95°F) ; 20+80°C (68-176°F)

**Set point adjustment:** knob

**Sensing element:** bimetal

**Contact type:** snap-action contact, open or close on temperature rise, 10(2)A 250VAC, 15(2)A 120VAC

**Electrical life:** > 10.000 cycles at rated values

**Contact resistance:** < 10mOhm

**Electrical connection:** 3 screw terminals, for 1.5 mm<sup>2</sup> wires

**Mounting:** Clip for 35mm DIN rail, EN50022

**Casing:** UL94 V0, PC-ABS, RAL 1010 light grey

**Dimensions:** 67 x 50 x 35 mm

**Operating temperature range:** -20 to +80°C (-4/+176°F)

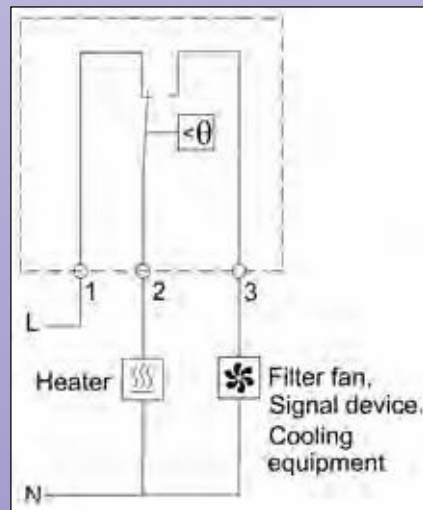
**Ingress protection:** IP30

### Main references

°C		
Temperature range (°C)	Differential (°C)	References
-10+50°C	4°C±2°C	Y02NAC-10050114L
-10+20°C	4°C±2°C	Y02NAC-10020114L
+5+35°C	4°C±2°C	Y02NAC005035114L
0+60°C	4°C±2°C	Y02NAC000060114L
+20+80°C	4°C±2°C	Y02NAC020080114L

°F		
Temperature range (°F)	Differential (°F)	References
15-120°F	7±3°F	Y02NAC-10050114P
15-70°F	7±3°F	Y02NAC-10020114P
40-95°F	7±3°F	Y02NAC005035114P
30-140°F	7±3°F	Y02NAC000060114P
70-180°F	7±3°F	Y02NAC020080114P

### Wiring diagram



Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice