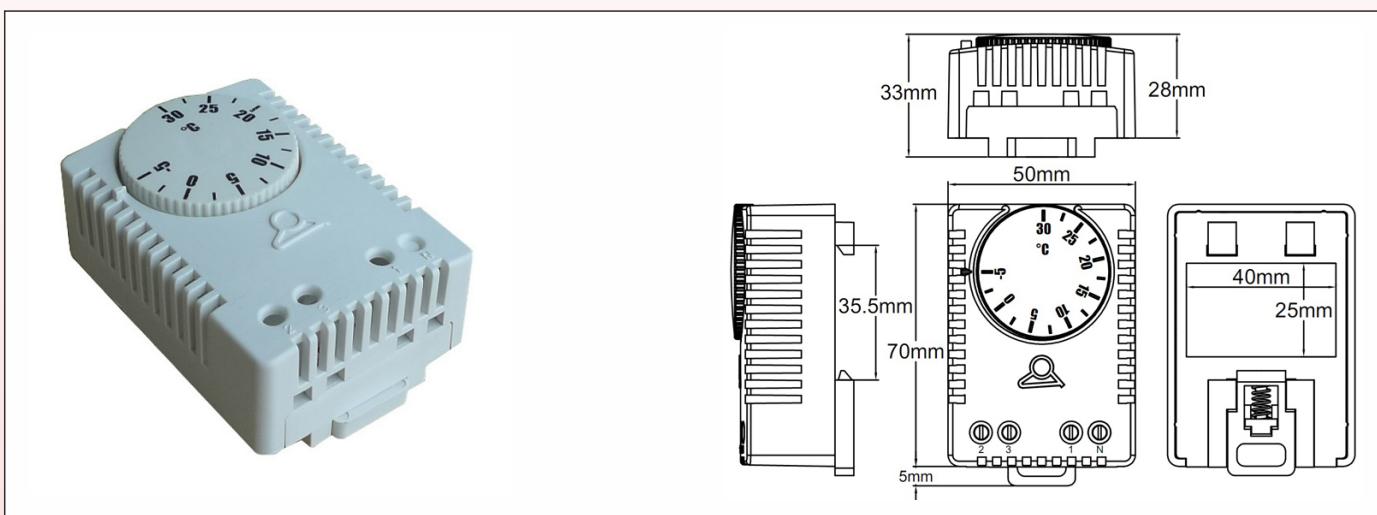


Ambient temperature control thermostats, convection applications

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 cooling system. The anticipation function allows to select 2 different values for the differential.

Main features

Temperature ranges: -10+50°C (15-120°F); -5+30°C (23-86°F); 0+60°C (30-140°F); +20+80°C (70-180°F)

Set point adjustment: °C or °F printed knob

Sensing element: bimetal

Contact type: snap-action contact, open or close on temperature rise, 10(2)A 125/250V alt.

Electrical life: > 10.000 cycles at rated values

Contact resistance: < 10mOhm

Electrical connection: 4 screw terminals, for 1.5 mm² wires. Neutral terminal must be used only when thermal anticipation is needed (reduced differential)

Attention: in standard, thermal anticipator (TA) is wired for use in 230V

Mounting: by clip for 35mm DIN rail, EN50022

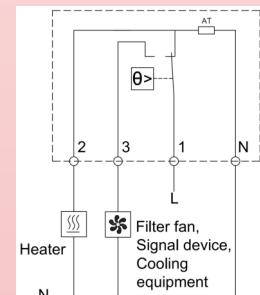
Casing: UL94 V0, PC-ABS, RAL 1010 light grey

Dimensions: 70 x 50 x 33 mm

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

Ingress protection: IP30

Wiring diagram



Main references (with 230V thermal anticipator)*

°C types				°F types			
Temperature range (°C)	Differential °C thermal anticipator not connected	Differential °C thermal anticipator connected	References	Temperature range (°F)	Differential °F thermal anticipator not connected	Differential °F thermal anticipator connected	References
-10+50°C	6°C±3°C	4°C±2°C	Y02NAC-10050114L	15-120°F	11±4°F	7±3°F	Y02NAC-10050114P
-5+30°C	6°C±3°C	4°C±2°C	Y02NAC-10050114L	23-86°F	11±4°F	7±3°F	Y02NAC005035114P
0+60°C	6°C±3°C	4°C±2°C	Y02NAC005035114L	30-140°F	11±4°F	7±3°F	Y02NAC000060114P
+20+80°C	6°C±3°C	4°C±2°C	Y02NAC020080114L	70-180°F	11±4°F	7±3°F	Y02NAC020080114P

* Type with 115V thermal anticipator: replace 114 in the reference by 115

* Type with 24V thermal anticipator: replace 114 in the reference by 112