

# R38

- "SENSITIVE TOUCH" KEYBOARD
- EASY PROGRAMMING



## FEATURES

DISPLAY	R38
Single	4 red or blue digit, h 12 mm
INPUTS	Thermocouples J, K (-40... +999°C / -40... +999°F) or Infrared sensors: J or K Thermoresistances Pt 100 2 wires (-50.0... +850°C / -58... +999°F) autoranging
3 different configurations	Thermoresistances Pt 1000 2 wires (-50.0... +850°C / -58... +999°F) autoranging + Thermistors PTC KTY 81-121 (990Ω at 25°C) (-50.0... +150°C / -58.0 a 302°F) autoranging e Thermistors NTC 103AT-2 (10kΩ at 25°C) (-50.0... +109°C / -58.0... +228°F)
Accuracy	± 0.5% span ±1 digit@ 25°C
OUTPUTS	
Up to 2	OUT 1 and OUT 2: Relay SPDT (8A-AC1, 3A-AC3/250 Vac) or voltage to drive SSR 20mA/2 Vdc ±20% 20 mA max.
Auxiliary power supply	12 Vdc/20 mA max.
FUNCTIONAL	
Control	ON/OFF single and double action, Neutral Zone, PID, programmable
PID functions	Autotuning
Sampling rate	1 sec
Serial communication	TTL ModBus
Baud rate	9600 baud
GENERAL	
Power supply	12 Vac/Vdc, 24 Vac, 100... 240 Vac/Vdc ±10% (50/60 Hz)
Power consumption	6 VA approx.
Dimensions / Weight	78 x 35 mm - depth 64 mm / 180 g approx.
Keyboard	Mechanical or "Sensitive Touch"
Connections	Screw terminal block 2 x 1 mm <sup>2</sup> plug-in connector or fix type
Mounting	Flush in panel in 71 x 29 mm hole
Front protection degree	IP 65, mounted on panel with gasket
Operating / storage temperature	0... +50°C (32... 122°F) / -30... +70°C (-22... +158°F)
Operating humidity	20... 85 RH%, without condensation
Conformity	Directive EMC 2004/108/CE (EN 61326-1), Directive BT 2006/95/CE (EN 61010-1)



## HOW TO ORDER

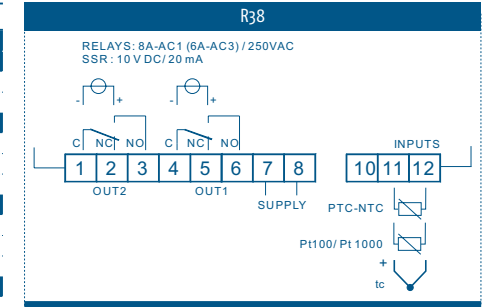
To compose the part number, pls. choose one of the option for each variable

R38	CODE
KEYBOARD	
Mechanical	-
Sensitive-Touch (*)	S
POWER SUPPLY	
12 Vac/Vdc	F
24 Vac/Vdc	L
100... 240 Vac/Vdc	H
INPUT	
TC (J, K)	F
PT100 (2 wires only)	A
PTC/NTC/PT1000	T
OUT 1	
Relay SPDT 8A-AC1	R
Vdc for SSR driving	O
Not available	-
OUT 2	
Relay SPDT 8A-AC1	R
Vdc for SSR driving	O
Not available	-
BUZZER (INTERNAL)	
Available	B
TIPO COLLEGAMENTO	
Plug-in screw type	E
Plug-in screw type, fix part only	N
Fix screw type (standard)	-

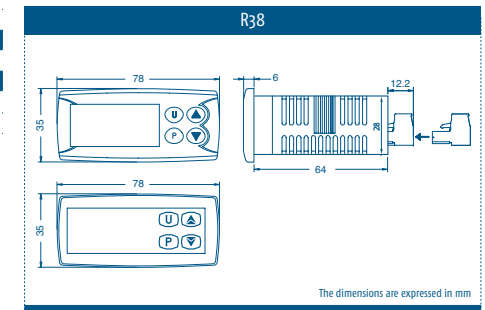
(\*) Capacitive Touch screen keyboard

EVERYTHING UNDER CONTROL

## CONNECTIONS



## DIMENSIONS



INDUSTRIAL CONTROLLERS

ADVANCED CONTROLLERS

ON-PANEL CONTROLLERS

ANALOGUE CONTROLLERS

SPECIAL CONTROLLERS AND "CUSTOM"

PLC SYSTEMS

PRE-PROGRAMMED SYSTEMS

PLC AND OPERATOR PANELS

TIMERS, COUNTERS, POWER LIMITERS

INDICATORS

I/O MODULES

SUPERVISION

COMBUSTION CONTROL

ACCESSORIES