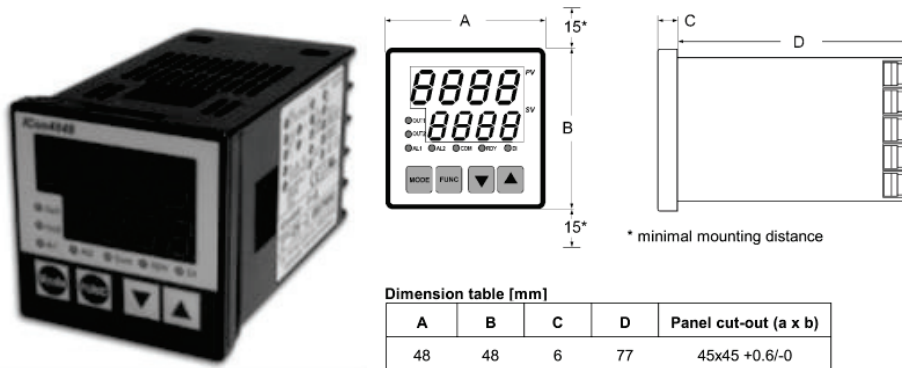


The ICon4848 is a small, universal, freely programmable microprocessor controller which lends itself to a wide range of control applications. Resistance thermometers and thermocouples can be connected to the freely configurable measurement input.

Self-optimization, which comes as standard, establishes the optimum control parameters at the touch of a button. The controller can be panel mounted and connected up via screw terminals with a maximum capacity of 2.5 mm² conductor cross-sectional

area. The front of the controller is IP66. Four models are available: models with normal relay or output to operate solid state relays, both available in 24 V or 110...240 V supply voltage.



Input

Selectable	Pt100 or Pt1000, 2- and 3-wire Thermocouple J (Fe-CuNi) Thermocouple K (NiCr-Ni) (as well as most usual Thermocouples and PTC)		
Range	Pt 100 / Pt 1000	-199.9°C...+500°C (Accuracy: ± 0,3%)	
	Typ J	-200°C...+850°C (Accuracy ± 0,3%)	
	Typ K	-200°C...+1372°C, (Accuracy: ± 0,3%)	

Output

ICon4848-P-A	Bi-stable 0/12V for Solid state relays
ICon4848-R-A	Relay 3 A / 250 V (cosφ=1)
Alarm (all models)	Relay 2.4 A /250 V (cosφ=1)

Controller type

PID-controller with autotuning

Dimensions/Housing

Front-Panel mounting	
W x H x D	48 x 48 x 77 mm
Weight approx.	180 g
Terminals	up to 2.5 mm ²
IP-Classification Front	IP65
Operating temperature	0...+50°C

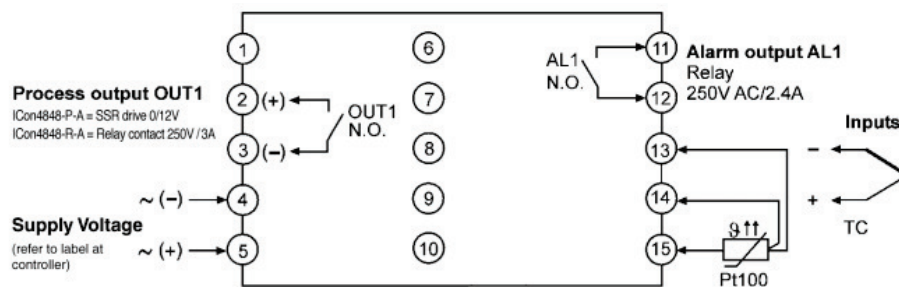
Current

Operating voltage	ICon4848-P/R-A	110-240: 110...240 V
	ICon4848-P/R-A	24VDC: 24 V AC/DC
Power consumption	approx. 10 VA	
Frequency	50/60 Hz	

Others

Display	LED, two lines Process-value green, 10 mm Set-value red, 8 mm	
Norms	EC Low Voltage Directive 73/23/EEC EN 61010 EN 50081-1 EN 50082-2	
Approvals	UL 3121-1 (UL / CUL)	

Wiring diagram



Ordering details

Part description	ICon4848-P-A 110-240V	ICon4848-R-A 110-240V
Part No.	1235-05378062	1235-05378063
Part description	ICon4848-P-A 24VDC	ICon4848-R-A 24VDC
Part No.	1235-05378064	1235-05378065