



## W-TC4

Digital Temperature  
Code : 2004

The W-TC4 is a microprocessor based digital controller specifically designed for refrigeration systems. It is particularly suited for medium or low temperature ventilated refrigeration units. The temperature control is always subject to a positive temperature differential (make on rise); the compressor stops when set-point is reached and start again upon reaching the set-point temperature plus the differential. It is provided with NTC thermostatic probe input and two relay outputs for compressor and light. It is easily to calibrate sensor from -5 to +5oc. The defrost cycles can be controlled at time intervals. The value of the probe's reading is viewed on a display by 3 digits and a minus sign

### Specification

#### Feature

Supply voltage	: DC(V) 12, 24
	: AC(V) 100-265
System frequency	: 50/60 Hz.
Power consumption	: 1.2 W
Display	: 7 Segment Red
	: LED 3 digits Plus a minus sign
Accuracy	: 0.5% of full scale
Sensor type	: NTC sensor with black PVC/1.5 m

#### Range

Temperature range	: -27°C to +62°C
Temperature setting range:	-25°C to +60°C (Factory defaults = 4°C)
Set different	: 0.5°C to +10°C (Factory defaults = 4°C)
Compressor protection time:	3 min. (Fix)
Defrost interval	: 1 hr. to 24 hr. (Factory defaults = 4 hr)
Defrost duration time (fix)	: 15 min.
Calibrate sensor	: -5°C to +5°C (Factory defaults = 0°C)

#### Relay output

Output contact	: Compressor : 10A at 250 VAC
	: Light : 10A at 250 VAC

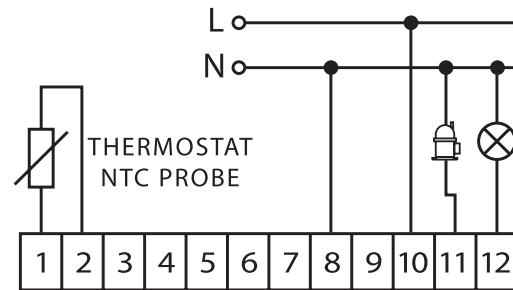
#### Environment

Working temperature	: -10°C to +55°C
Storage temperature	: -10°C to +70°C
Ambient humidity	: Max 85%RH

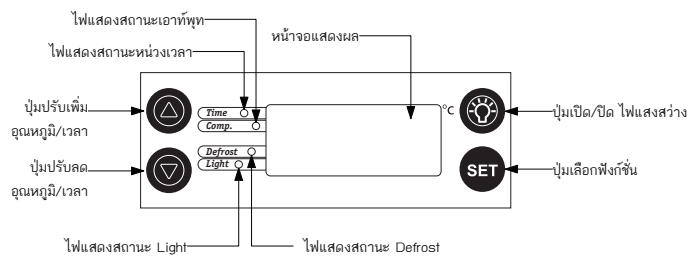
#### Enclosure

Mounting	: Panel SNAP-IN power board wall mounted
Housing	: ABS plastic
Wire fixing	: Screw terminal block 2.5 mm <sup>2</sup>
Front dimensions	: 32x73 mm depth 73
Panel mounting hole	: 69x28 mm (±1mm)
Weight	: 94 g.

### Diagram



### Front Panel



### Dimension in mm.

