W-TC6

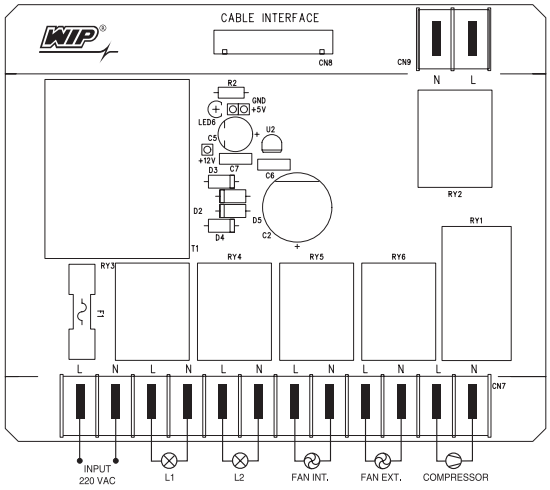
Digital Temperature
Code : 2006

The **W-TC6** is a microprocessor based digital controller designed for refrigerator systems. It is particularly suited for medium or low temperature “force air” 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 and compressor protection time can be adjusted from 0 to 15 min. Set min and max acceptable value for set point. It is provided with NTC thermostatic probe input and four relay outputs for compressor, evaporator fan management, light1 and light2. The defrost cycles can be controlled at time intervals. Programming is easily to access by holding the “SET” button down for more than 3 seconds. The value of the probe‘s reading is viewed on a display by three digits and a minus sign.

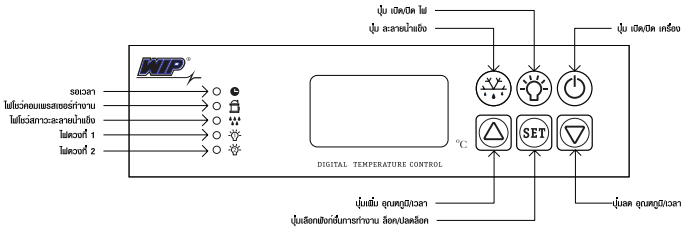
Specification

Feature		
Supply voltage	:	220-240 VAC 50/60 Hz.
Power consumption	:	5 VA.
Display	:	7 Segment Red LED
		3 digits Plus a minus sign
Accuracy	:	0.5% of full scale
Sensor type	:	NTC sensor with black PVC/1.5M
Range		
Temperature setting range	:	-25°c to +50°c
High temperature lock	:	+50°c
Low temperature lock	:	-25°c
Set different	:	0.5°c to +10°c
Protection time	:	0-15 min
Defrost interval	:	1 hr. to 99 hr.
Defrost duration time	:	1 to 99 min
Calibrate sensor	:	-5°c to +5°c(Factory defaults = 0°c)
Relay output		
Output contact	:	Compressor: 20A at 250 VAC
		Fan, Light 1, 2: 5A at 250 VAC
Operations	:	Mechanical: $2x10^7$ times
		Electrical: $1x10^5$ times
Environmental		
Operating temperature	:	-10°c to +55°c
Storage temperature	:	-10°cto +70°c
Ambient humidity	:	Max 85%RH
Enclosure		
Operation panel cable	:	1.2 M
Dimension control’s box	:	116 x 158 x 45 mm
Mounting	:	Panel SNAP-IN power board wall mounted
Housing	:	ABS plastic
Wire fixing	:	Screw terminal board 2.5 mm^2
Panel mounting hole	:	35 x 135 mm (±1mm)
Weight	:	447 g.

Diagram



Front Panel



Dimension in mm.