



NOTE:
 1. 3-4 Main switch:closes on temperature rise
 2.C:compressor

Operating Temperature (737mmHg)	SIGNAL IN(°C)	Warm	Normal	Cold
	CUT IN(°C)		3.3±1.5	
	CUT OUT(°C)	-10.8±1.5		-22.9±2.2
	DIFF(°C)			
The second testing temp is taken as an accurate value.				

Operating Temperature (760mmHg)	SIGNAL IN(°C)	Warm	Normal	Cold
	CUT IN(°C)		3.5±1.5	
	CUT OUT(°C)	-10.5±1.5		-22.5±2.2
	DIFF(°C)			
The second testing temp is taken as an accurate value.				

Electrical Ratings	Rated Volts (V)	Power Factor (Cosφ)	AC		
			250	3-4	120
Rated Amperes (A)	Non-inductive Current	1	0.5-6	3-4	1-10
			Full Load	0.5-6	1-10
Inductive Load	0.75	0.45	0.5-36	1-40	
			Locked Rotor	0.5-36	1-40

Insulation Resistance: More than 100MΩ with a DC500V megger
 Dielectric Strength: AC 1500V for one minute
 Kind of charge: Gas(R290)

Conditions of Operating Temp.
 TS>TB TS: Temperature Around the Main Frame
 TB: Temperature around the Sensing Element

Response Characteristic of Sensing Element
 Temp. change rate: ≤ 1°C/min

Max. Temperature
 Around the Main Frame: 70°C
 Around the Sensing Element :80°C

Life of Contact
 200,000 Cycles

Rotating Moment of Adjusting shaft
 COLD — WARMER 0.02-0.35N.m
 WARMER — OFF less than 0.6N.m

Remarks :
 1. The length of capillary immersed in the testing medium shall reach more than 150 mm.
 2.The temperature characteristic is under a 760mmHg of atmosphere at 25°C
 3. Thermostat shown in COLD position
 4.The material requests according to the RoHS.

Edition	Revision Number	Sign	DATE	Pressure Thermostat	Customer:VETRA Customer code:K59-L4148 Tongbao code:KDF231T2
DESIGNED BY	S. B. Chen		18.3.13		
CHECKED BY	W. G. Tan		18.3.15		
INSPECTED BY	G. H. Chen		18.3.15		
APPROVED BY	L. M. Lin		18.3.16	WIRING DIAGRAM	FOSHAN TONGBAO HUATONG CONTROLLER CO.,LTD.