

Troubleshooting Manual for

Electronic expansion valve

DHP-R DHP-S

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Electric expansion valve

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1

Examine if the EKD is energized. It should be connected to terminals 1 and 2, between 1 and 2 should be 24VAC. (see wiring diagram)



DHP-S



Resistance table		
Temp	erature	Ohm
-40		842,7
-35		862,5
-30		882,2
-25		901,9
-20		921,6
-15		941,2
-10		960,8
-5		980,4
0		1000,0
5		1019,5
10		1039,0
15		1058,5
20		1077,9
25		1097,3
30		1116,7
35		1136,1
40		1155,4
45		1174,7
50		1194,0
55		1213,2
60		1232,4
65		1251,6
70		1270,7
75		1289,9
80		1309,0
85		1328,0
90		1347,1
95		1366,1
100		1385,1

2

Examine if the suction gas sensor is mounted to the suction line, and connected to terminals 14 and 15. (The sensor is a PT 1000 sensor, examine the resistance value, see ohm-table.) (see wiring diagram)



5



3

Examine if the cables to the coil is connected to terminal: (see wiring diagram) 5: Orange wire 6: Yellow wire 7: Red wire 8: Black wire



Examine cables for pressure transmitter (P in the wiring diagram): Brown cable to terminal 19 Grey cable to terminal 18 Black cable to terminal 17 The voltage between 17 and 19 should be 5V. (see wiring diagram)



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5

Make sure there is a jumper between terminals 20-21. (see wiring diagram)



6

When all these points are examined, possibly corrected and it still does not work, then we suggest that you contact **technical service** for further advice.

4



Electric expansion valve

Wiring diagrams DHP-R and DHP-S:



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