HE1 ELECTRIC HEATER SECTION

SW1
ON 1 2
OFF

SW2
ON 1 2 3 4 5 6 7
OFF

TK1 1 C 70°C
TK3 2 C 60°C
TK2 1 C 100°C

C5_PM_1
21 22 19 20 17 18 9 10 11 12 3 4 1 2
25 28 27 26 30 29 31 32 33 34

0,5mm² 0,5mm² 0,5mm² 0,5mm²

KM1 A1 A2

QF1 2 1 2,5mm²
4 3
6 5
F1
0,315A

SIM1 G A2 A1
SIM2 G A2 A1
2,5mm² 2,5mm²

Supply wire
QS1 2 4 6 8 / 1 3 5 7
6mm²
Supply cable
L1 L2 L3 N PE

KM1 1 3 5 / 2 4 6
2,5mm²
EK1 1 2 3

4x0,5mm²
X3 1 2 3 4

X1
Cable 04
4x0,5mm²
X2
4x0,5mm²
4x0,5mm²

V2 4 1 2 3 21 22 23 24
L1 L2 L3
PE 24V D1
11 14 E1 GND
-dP +dP
V1 +dP tube
V1 -dP tube

C5_VM_1 RG3
X2.2 X2.4 X2.3 X2.1
21 22 23 24 13 14 15 16
+ P1 - + P2 - 17 18 19 20 1 3 4 6
+ P1 + P2
2x0,5mm² 2x0,5mm² 4x0,5mm²
+dP -dP Filter
B3 B4

PD1 4 3 1 6
1 2 3 4
1 2 3 1 2 3
FG1 FG2

RG3 DIP switch
ON 1 2
OFF

V2 SECTION

Cable 01_V2
4x0,5mm²
Cable 01_V1
Bundle 01

L1 N PE AI1 GND
DK3 i510
U V W PE 24V DI1
J6.3 J6.1
Cable 04
M1
3x230V

TR1
Bundle 01
L N -18V 0V -24V 0V

QF2 QF1 QF3 QF4 N

J5 J4 J6 J7 J3

C5 RG1

VP 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

4x0,22mm²
VP: +24V LINB LINA GND — Control panel
3x0,5 5x0,5 2x0,5 2x0,5 3x0,5 3x0,5 2x0,75 2x0,75 3x0,5 3x0,5 3x0,5 3x0,5 3x0,5 3x0,5 2x0,5
MODBUS RS485 connection: B A
External control: IN4 IN3 IN2 IN1 C
External stop / Fire system / OVR control / Common
B1: NTC — Supply temp. sensor
TG3: 0..10V GND — Humidifier control
TG2: 0..10V –24V N — Cold water mixing valve actuator
TG1: 0..10V –24V N — Hot water mixing valve actuator
S2: L N — Cooling water pump 230VAC
S1: L N — Heating water pump 230VAC
B9: 0..10V –24V N — Humidity sensor
B8: 0..10V –24V N — Air quality sensor
B7: 0..10V –24V N — Exhaust air pressure sensor
B6: 0..10V –24V N — Supply air pressure sensor
NO NO C — Run / Alarm / Common
DX: NO NO C — 3 Step/heating 2nd step / 1st step / Common
IN2 C — Water pump/coil alarm

RT SECTION

X4.1 J7.1 J6.4 J6.6
3x0,5mm²
X4.2 1 2 3 / 1 2 3 4
FG4

QS1 L1 L2 L3 N PE / 2 4 6 8 / 1 3 5 7 / L1 L2 L3 N PE
Cable 1
400VAC

X2
4x0,5mm²
PD2 1 2 3 4
4x0,5mm²
X1
Cable 04
4x0,5mm²

V1 4 1 2 3 21 22 23 24
L1 L2 L3
PE 24V D1
11 14 E1 GND
-dP +dP
V1 +dP tube
V1 -dP tube

C5_VM_1 RG2
X2.2 X2.4 X2.3 X2.1 1 2 3 4
21 22 23 24 13 14 15 16 7 8 9 10
+ P1 - + P2 - 17 18 19 20
+ P1 + P2
2x0,5mm² 2x0,5mm²
+dP -dP Filter
B2 B14

RG2 DIP switch
ON 1 2
OFF

V1 SECTION

	VERSO-R-HE(1)-MS-EC
Date: 19.11.12	WIRING DIAGRAM