VERSO-S-HE(4)-MS-PM	
Date:	WIRING DIAGRAM
19.11.12	

OFF	OFF
BAU0	BAU1

OFF	OFF	OFF
ID0	ID1	ID2

RECIRCULATION SECTION

FG4

FG1

3x0.5mm²

PDT

FILTER SECTION

X4

RG2 DIP switch

ON 1 2 OFF

B3

Filter

2x0.5mm²

4x0.5mm²

CS_VM_1 RG2

X3.1 X3.2 X3.3 X3.4

+P1 -P1 +P2 -P2

dP+ dP-

4x0.22mm²

Control panel VP

+24V LINE GND

MODBUS RS485 connection

A B

External control External stop Fire system OV/R control Common

IN4 IN3 IN2 IN1 C

Supply temp sensor B1

NTC

Humidifier control Y3

0..10V GND

Cold water mixing valve actuator Y2

0..10V ~24V N

Hot water mixing valve actuator Y1

0..10V ~24V N

Cooling water pump 230VAC S2

Heating water pump 230VAC S1

Humidity sensor B9

0..10V ~24V N

Air quality sensor B8

0..10V ~24V N

Supply air pressure sensor B6

0..10V ~24V N

Exhaust air pressure sensor B7

0..10V ~24V N

3 step/heating 2 step Common DX

NO C

Run Alarm Common

NO C

Water pump/coil alarm

INS C

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

J5 J6 J4 J2 J3

U1 U2

L N ~18V 0V ~24V 0V 0V

TR1

0,75mm²

4x0,5mm²

PO2

2x0,5mm²

4x0,5mm²

4x0,5mm²

X3

Cable

DK1-SM

MODBUS

L1 L2 L3 PE A B

U V W PE

U V W PE

1 2 3 4 2 4

Cable 01_V1

V1

-dP +dP

V1 -dP tube

V1 +dP tube

V1 SECTION

Cable1

400VAC

QS1

L1 L2 L3 N PE

Cable1

PE N L3 L2 L1

QF1 QF2

Supply cable

6mm²

Supply wire

QS1

L1 L2 L3 N PE

SW1 SW2

ON OFF

1 2 3 4 5 6 7

QF1 QF2 QF3

0.315A

2,5mm²

0,5mm²

C5_PM_1

TK1 70°C

TK3 60°C

TK2 100°C

SIM1 SIM2

A2 G A1

EK1 EK2 EK3 EK4 EK5 EK6

KM1 KM2 KM3 KM4 KM5 KM6

A1 A2

0.5mm²

X3.2

1 2 3 4

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