Raspberry Pi GPIO Port Model B+

5V0

5V0

OK4
4N25TM

B1

47k R2   47k R9
47k R3   47k R8
47k R4   47k R7
47k R5   47k R6

5V0
330 R13
LED2 Green
0V

IRM-15-5 Conrad AC/DC1
UAC1   +UAUS
UAC2   -UAUS
0V

X1-2 N (230Vac)
X1-1 L1
X8-2 L2
X8-1 L3

Jumper L1, L2 and L3 for mono-phaze

OK1
470 R11   1k R10
330 R12
LED1 Red
0V
MOC3021M
T2 TIC253

OK2
470 R15   1k R14
330 R16
LED3 Red
0V
MOC3021M
T1 TIC253

OK3
470 R18   1k R17
330 R19
LED4 Red
0V
MOC3021M
T3 TIC253

OK5
470 R21   1k R20
330 R22
LED5 Orange
0V
MOC3021M
T4 TIC253

OK6
470 R24   1k R23
330 R25
LED6 blue
0V
MOC3021M
T5 TIC253

X2-1 Resistor 1 Vac out
X2-2
X3-1 Resistor 2 Vac out
X3-2
X5-1 Resistor 3 Vac out
X5-2
X6-1 FAN Vac out
X6-2
X7-1 After heating Vac out
X7-2

0V

R1 10k

GPIO Port pins:
GPIO17 SPI_MOSI
GPIO18 SPI_MISO
GPIO27 SPI_SCLK
GPIO22 SPI_CE0
GPIO23 SPI_CE1
GPIO24
GPIO25 N.C.0
GPIO04 N.C.1
        N.C.2
        N.C.3
GPIO05 N.C.4
GPIO06 N.C.5
GPIO12 N.C.6
GPIO13 N.C.7
GPIO19 N.C.8
GPIO16
GPIO26
GPIO20 TXD
GPIO21 RXD
SCL   ID_SC
SDA   ID_SD
GND

Changelog:
V1: initial monophaze & wired PCB
V2: Added support for 3phaze 410 Vac (and monphaze 230Vac)
    Support GPIO connector Raspberry versions B

TITLE: Zero detectie - poweroutput

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