RL1
RL2
RL3

LED FUNCTION

RL1 (YELLOW)= RL1 EXCITED

RL2 (YELLOW)= RL2 EXCITED

RL3 (YELLOW)= RL3 EXCITED

DL1

LED FUNCTION

DL1 (GREEN) = POWER SUPPLY (24VAC) OK

SB1

RESET MANUAL KEY

POWER S1 (REV)
CPU RUN SP (1/2)
FAIL S5 (LH)
S6 S2 (S/S)

LED FUNCTION

POWER (GREEN) = POWER SUPPLY (+5VDC) OK

CPU RUN (GREEN) = THE CARD MICROCONTROLLER IS ACTIVE (BLINKING)

FAIL (RED)= PRESENCE OF ONE OR MORE ALARM

S1 (YELLOW)= OPERATION IN THE REVERSE MODE

SP (YELLOW)= REGULATION WITH SET-POINT 2

S5 (YELLOW)= NIGHT LIMIT ACTIVATED

S2 (YELLOW)= START ENABLED

S6 (YELLOW)= HEAT PUMP ACTIVATED

M1

SW1

ON 1 2 3 4 5 6

DIP SWITCH FUNCTION

SW1-1
ON= EXPERT LEVEL PARAMETERS
OFF= BASE LEVEL PARAMETERS

SW1-2
ON= DEAD BAND ACTIVATED
OFF= DEAD BAND EXCLUDED

SW1-3
ON= ALARM + STOP WITH TK OPEN EXCLUDED
OFF= ALARM + STOP WITH TK OPEN ACTIVATED

SW1-4
ON= STABLE MODBUS STRAINING
OFF= TEMPORARY MODBUS STRAINING

SW1-5
ON= ONLY 0-10VDC COMMAND ENABLED
(MODBUS COMMAND DISABLED)
OFF= MODBUS COMMAND ENABLED

SW1-6
ON= MODBUS COMMAND FOR ZIEHL-ABEGG
OFF= MODBUS COMMAND FOR EBM-PAPST

TX0 RX0
TX1 RX1
TX2 RX2
TX3 RX3

LED FUNCTION

TX0 (YELLOW)= SERIAL DATA OUTPUT ON SERIAL "0"

TX1 (YELLOW)= SERIAL DATA OUTPUT ON SERIAL "1"

TX2 (YELLOW)= SERIAL DATA OUTPUT ON SERIAL "2"

TX3 (YELLOW)= SERIAL DATA OUTPUT ON SERIAL "3"

RX0 (YELLOW)= SERIAL DATA INPUT ON SERIAL "0"

RX1 (YELLOW)= SERIAL DATA INPUT ON SERIAL "1"

RX2 (YELLOW)= SERIAL DATA INPUT ON SERIAL "2"

RX3 (YELLOW)= SERIAL DATA INPUT ON SERIAL "3"

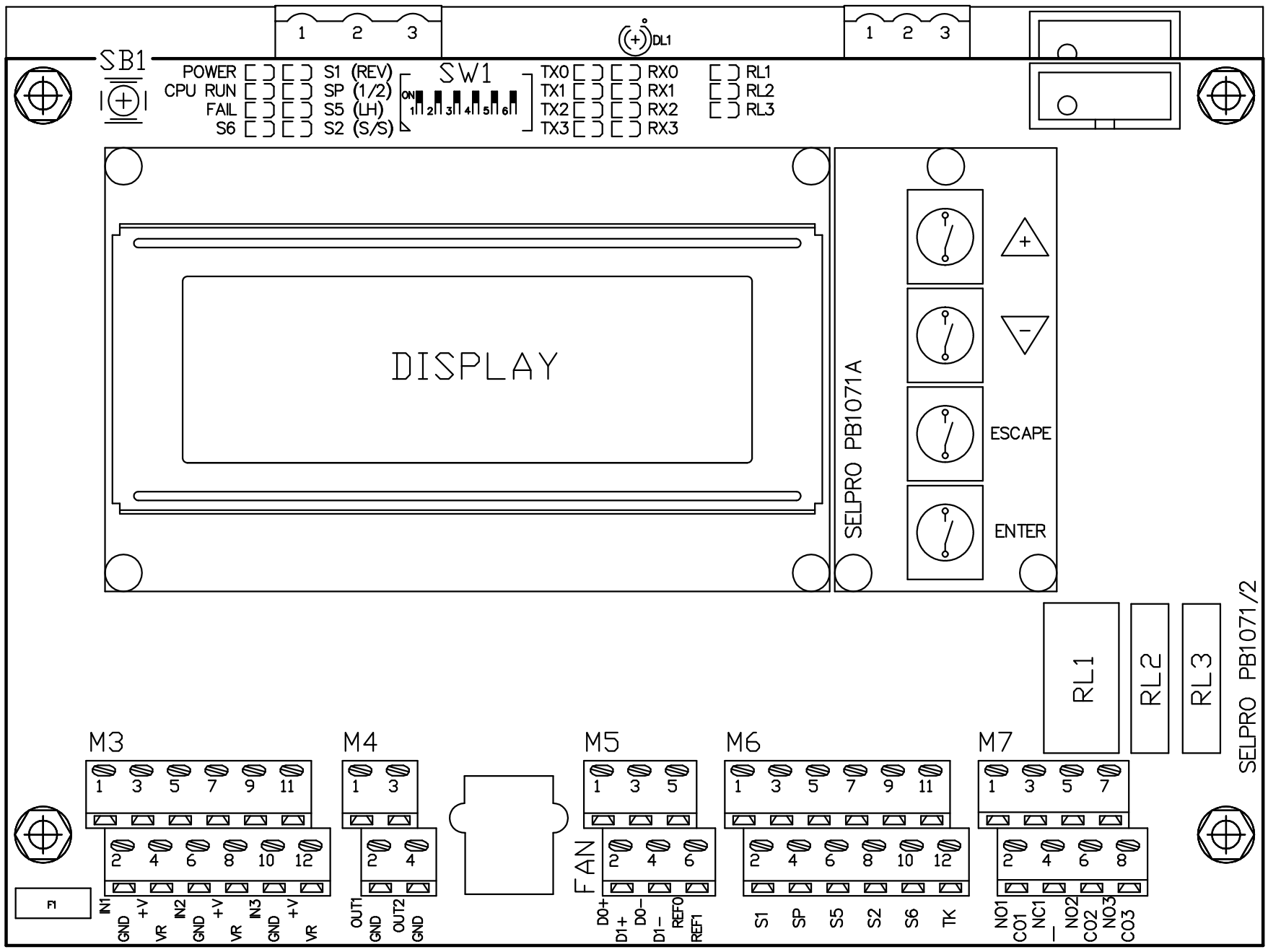
M2

1 2 3

POWER SUPPLY CONNECTION

M2-1/2= 24 VAC

M2



M3

INPUT SIGNAL

rS4-20
M3-1= INPUT
M3-2= GND

rS0-10
M3-1= INPUT
M3-2= GND
M3-4= VR

rPr420/0-15/0-25/0-30/0-45
M3-1= INPUT1
M3-3= +V for IN1
M3-5= INPUT2
M3-7= +V for IN2

rUu-05/010/rPu030
M3-1= INPUT1
M3-2= GND for IN1
M3-4= Vr for IN1
M3-5= INPUT2
M3-6= GND for IN2
M3-8= Vr for IN2

rtE-01/02
M3-1= INPUT1
M3-2= GND for IN1
M3-5= INPUT2
M3-6= GND for IN2

M4 / M5

OUTPUT SIGNAL

M4-1/2= CONFIGURABLE VDC OUTPUT (DEFAULT= 0-10VDC)
M4-3/4= CONFIGURABLE VDC OUTPUT (DEFAULT= 1-10VDC)

MODBUS CONNECTION

PC CONNECTION
M5-1= D0+ / M5-3= D0- / M3-5 = REF0

FAN CONNECTION
M5-2= D1+ / M3-4= D1- / M3-6 = REF1

M6 / M7

AUXILIARY CONTACTS

M6-1/2= DIRECT/REVERSE MODE (OPEN=DIRECT)
M6-3/4= SET POINT 1/2 (OPEN=SP1)
M6-5/6= NIGHT RPM% LIMIT ON/OFF (OPEN=OFF)
M6-7/8= REMOTE STOP ON/OFF (OPEN=OFF)
M6-9/10= HEAT PUMP ON/OFF (OPEN=OFF)
M6-11/12= THERMAL PROTECTION ON/OFF (OPEN=TK ERROR)

AUXILIARY RELAY

M7-1/2= RL1 NORMALLY OPEN
M7-2/3= RL1 NORMALLY CLOSED
M7-5/6= RL2 NORMALLY OPEN
M7-7/8= RL3 NORMALLY OPEN