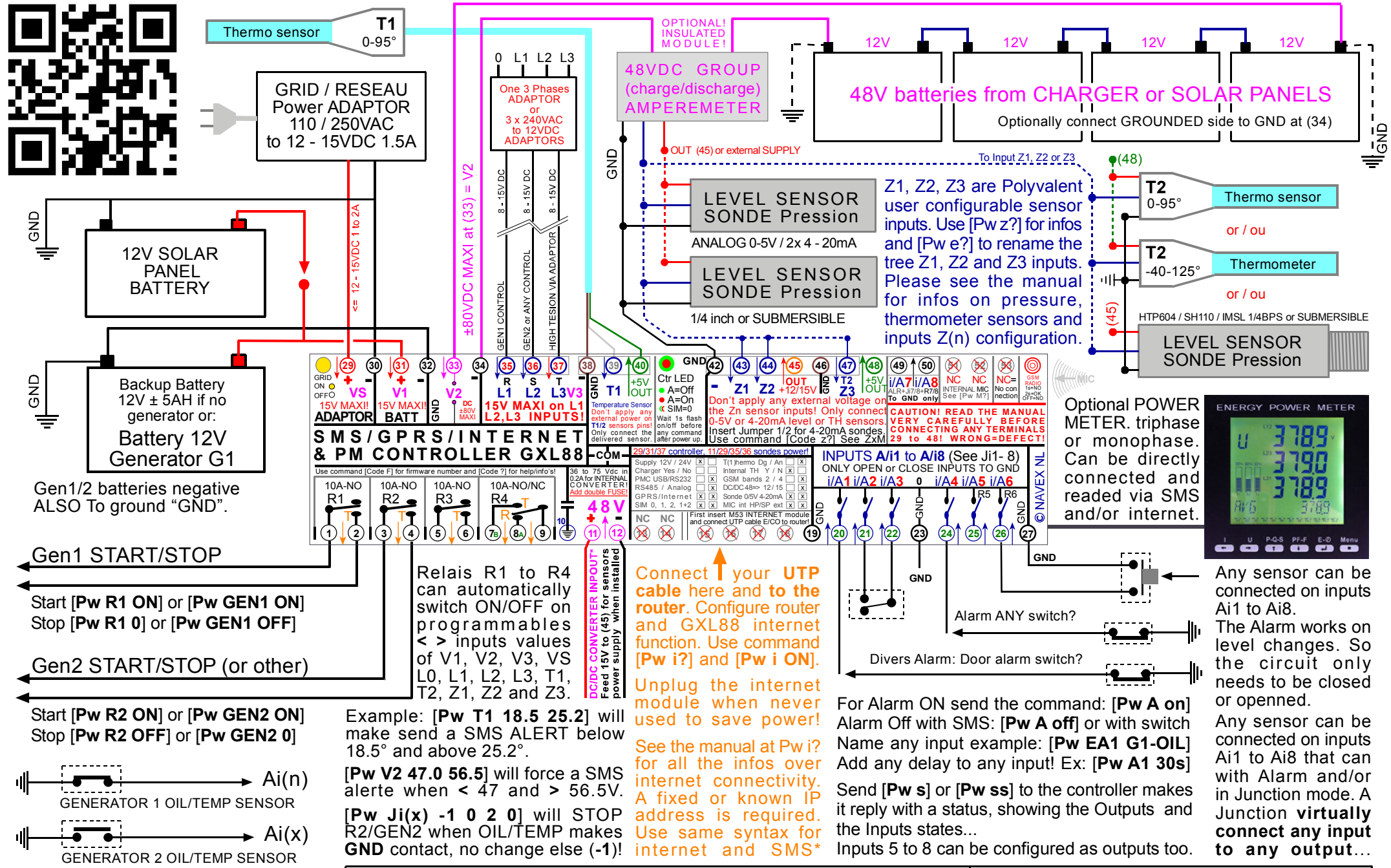
Thermo sensor
T1
0-95°
GRID / RESEAU
Power ADAPTOR
110 / 250VAC
to 12 - 15VDC 1.5A
0 L1 L2 L3
One 3 Phases ADAPTOR or 3 x 240VAC to 12VDC ADAPTORS
OPTIONAL! INSULATED MODULE!
48VDC GROUP (charge/discharge) AMPEREMETER
12V
12V
12V
12V
48V batteries from CHARGER or SOLAR PANELS
Optionally connect GROUNDED side to GND at (34)
GND
OUT (45) or external SUPPLY
To Input Z1, Z2 or Z3
(48)
LEVEL SENSOR SONDE Pression
ANALOG 0-5V / 2x 4 - 20mA
LEVEL SENSOR SONDE Pression
1/4 inch or SUBMERSIBLE
Z1, Z2, Z3 are Polyvalent user configurable sensor inputs. Use [Pw z?] for infos and [Pw e?] to rename the tree Z1, Z2 and Z3 inputs. Please see the manual for infos on pressure, thermometer sensors and inputs Z(n) configuration.
T2
0-95°
Thermo sensor
or / ou
T2
-40-125°
Thermometer
or / ou
HTP604 / SH110 / IMSL 1/4BPS or SUBMERSIBLE
(45)
LEVEL SENSOR SONDE Pression
12V SOLAR PANEL BATTERY
<= 12 - 15VDC 1 to 2A
±80VDC MAXI at (33) = V2
8 - 15V DC
8 - 15V DC
8 - 15V DC
GEN1 CONTROL
GEN2 or ANY CONTROL
HIGH TESION VIA ADAPTOR
Backup Battery 12V ± 5AH if no generator or:
Battery 12V Generator G1
Gen1/2 batteries negative ALSO To ground "GND".
VS 15V MAXI! ADAPTOR
V1 15V MAXI! BATT
V2 DC ±80V MAXI
15V MAXI on L1 L2,L3 INPUTS!
L1 L2 L3V3
T1 +5V OUT
Temperature Sensor Don't apply any external power on T1/2 sensors pins! Only connect the delivered sensor.
Ctr LED
A=Off
A=On
SIM=0
Wait 1s flash on/off before any command after power up.
Z1 Z2 OUT +12/15V
Z3 +5V OUT
Don't apply any external voltage on the Zn sensor inputs! Only connect 0-5V or 4-20mA level or TH sensors. Insert Jumper 1/2 for 4-20mA sondes. Use command [Code z?] See ZxM
i/A7 i/A8
CAUTION! READ THE MANUAL VERY CAREFULLY BEFORE CONNECTING ANY TERMINALS 29 to 48! WRONG=DEFECT!
SMS/GPRS/INTERNET & PM CONTROLLER GXL88
COM
29/31/37 controller, 11/29/35/36 sondes power!
INPUTS A/i1 to A/i8 (See Ji1- 8)
ONLY OPEN or CLOSE INPUTS TO GND
i/A1 i/A2 i/A3 0 i/A4 i/A5 i/A6
10A-NO R1
10A-NO R2
10A-NO R3
10A-NO/NC R4
36 to 75 Vdc in 0.2A for INTERNAL CONVERTER! Add double FUSE!
48V
DC/DC CONVERTER INPUT* Feed 15V to (45) for sensors power supply when installed
First insert M53 INTERNET module and connect UTP cable E/CO to router!
© NAVEX NL
Optional POWER METER. triphase or monophase. Can be directly connected and readed via SMS and/or internet.
ENERGY POWER METER
Gen1 START/STOP
Start [Pw R1 ON] or [Pw GEN1 ON]
Stop [Pw R1 0] or [Pw GEN1 OFF]
Gen2 START/STOP (or other)
Start [Pw R2 ON] or [Pw GEN2 ON]
Stop [Pw R2 OFF] or [Pw GEN2 0]
Relais R1 to R4 can automatically switch ON/OFF on programmables < > inputs values of V1, V2, V3, VS L0, L1, L2, L3, T1, T2, Z1, Z2 and Z3.
Connect your UTP cable here and to the router. Configure router and GXL88 internet function. Use command [Pw i?] and [Pw i ON].
Unplug the internet module when never used to save power!
See the manual at Pw i? for all the infos over internet connectivity. A fixed or known IP address is required. Use same syntax for internet and SMS*
Alarm ANY switch?
Divers Alarm: Door alarm switch?
Any sensor can be connected on inputs Ai1 to Ai8. The Alarm works on level changes. So the circuit only needs to be closed or openned.
Ai(n)
GENERATOR 1 OIL/TEMP SENSOR
Ai(x)
GENERATOR 2 OIL/TEMP SENSOR
Example: [Pw T1 18.5 25.2] will make send a SMS ALERT below 18.5° and above 25.2°.
[Pw V2 47.0 56.5] will force a SMS alerte when < 47 and > 56.5V.
[Pw Ji(x) -1 0 2 0] will STOP R2/GEN2 when OIL/TEMP makes GND contact, no change else (-1)!
For Alarm ON send the command: [Pw A on]
Alarm Off with SMS: [Pw A off] or with switch
Name any input example: [Pw EA1 G1-OIL]
Add any delay to any input! Ex: [Pw A1 30s]
Send [Pw s] or [Pw ss] to the controller makes it reply with a status, showing the Outputs and the Inputs states...
Inputs 5 to 8 can be configured as outputs too.
Any sensor can be connected on inputs Ai1 to Ai8 that can with Alarm and/or in Junction mode. A Junction virtually connect any input to any output...
Connect all "GND" together...
Interconnectez tous les GND...
Subject to minor modifications.
See GXL88 manual for full info's.
BASIC INSTALLATION EXAMPLE for 12V SYSTEM (Pw=Code)
TYPE: GXL88 SMS INTERNET PC PMC
* Optional internal DC to DC converter. Installed on request only. No need to connect V2(33) if (11) (12) connected.
* Optional internal internet module. Normally installed on request. Can be left out when the internet is not to be used.
* Optional external Power Meter Controller. To read it, send command [Pw SE] and [Pw SX] to the GXL88 controller.
REV:2 DB-NL 2019
155 x 90 x 60 mm
See: gxl88-manual.html
Voir: gxl88-manuel.html