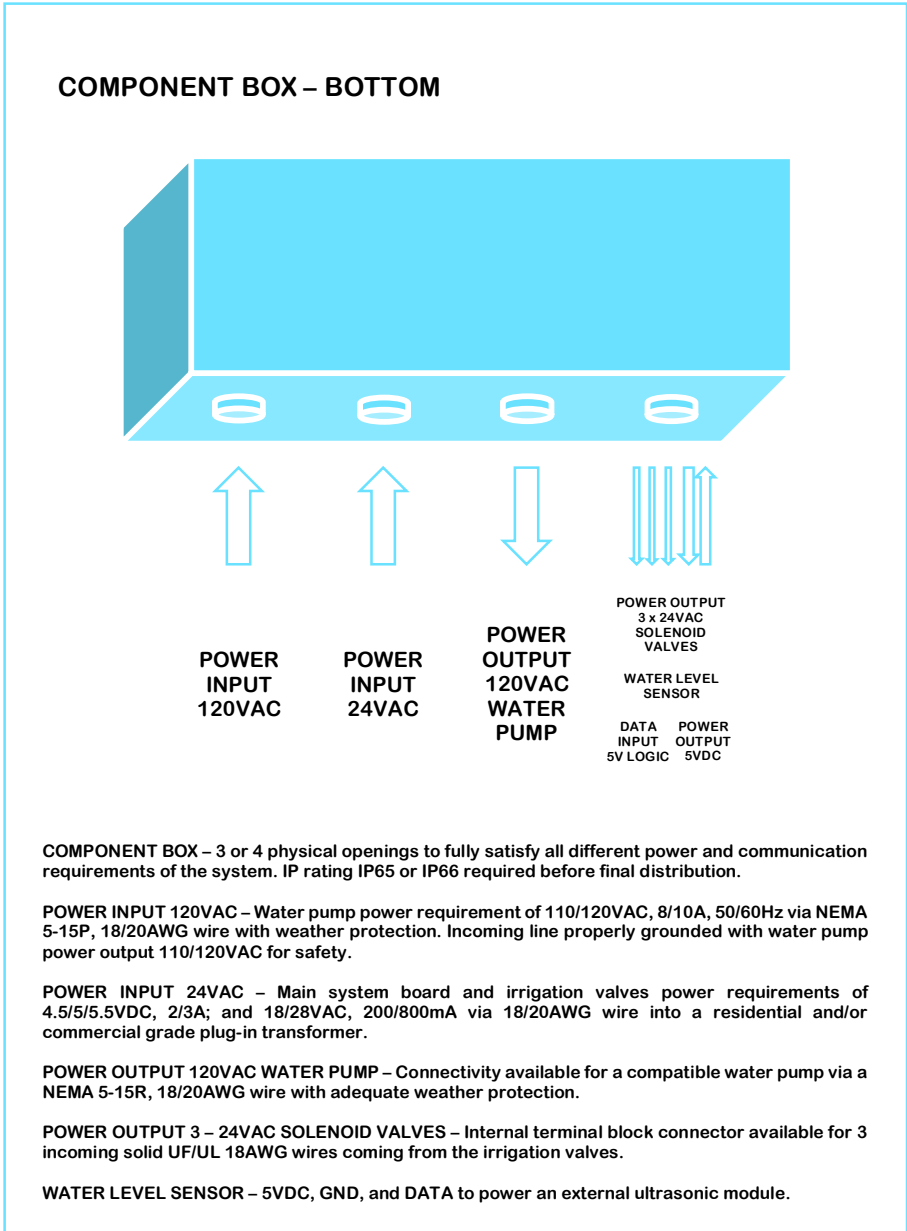
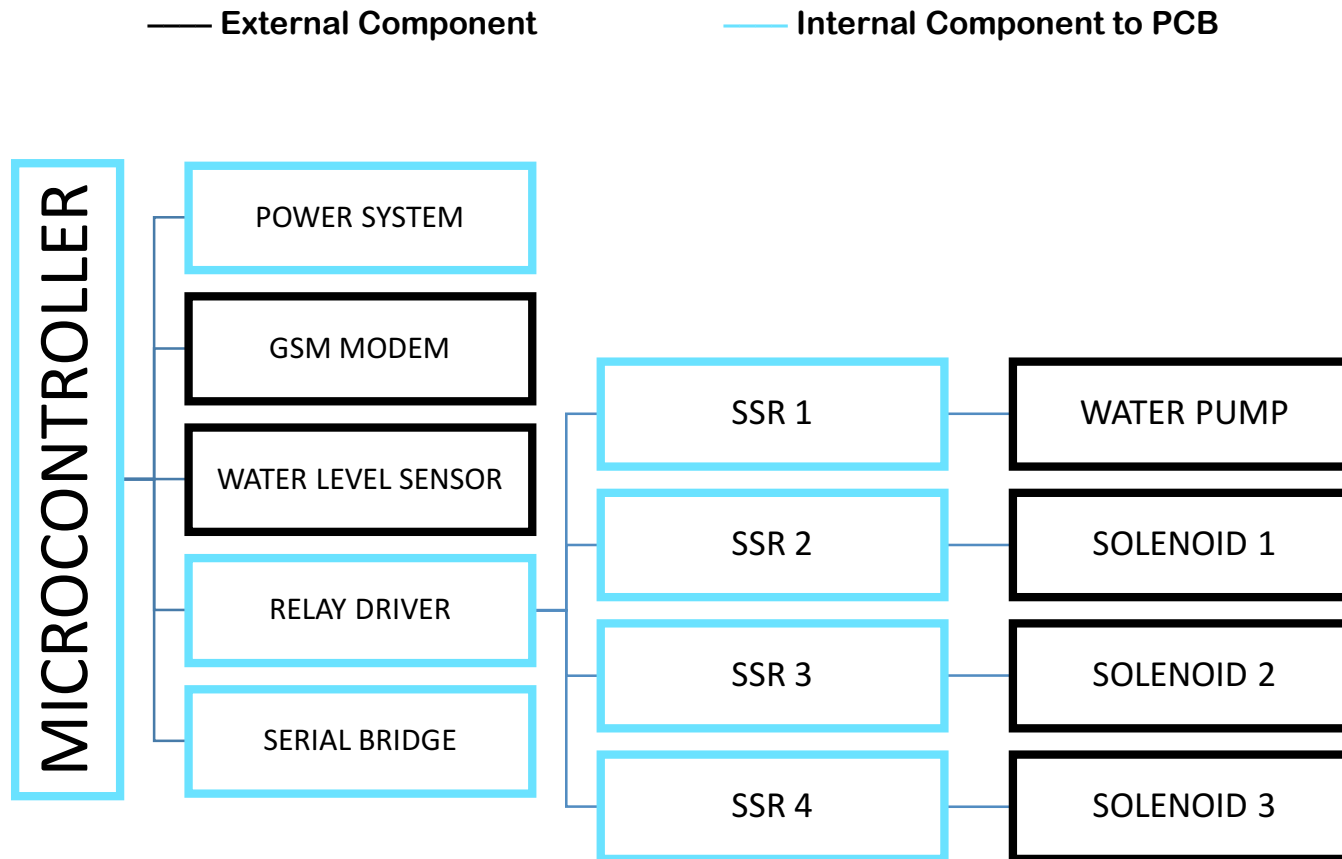


EQUIPMENT INPUT/OUTPUT DESCRIPTIVE DIAGRAM





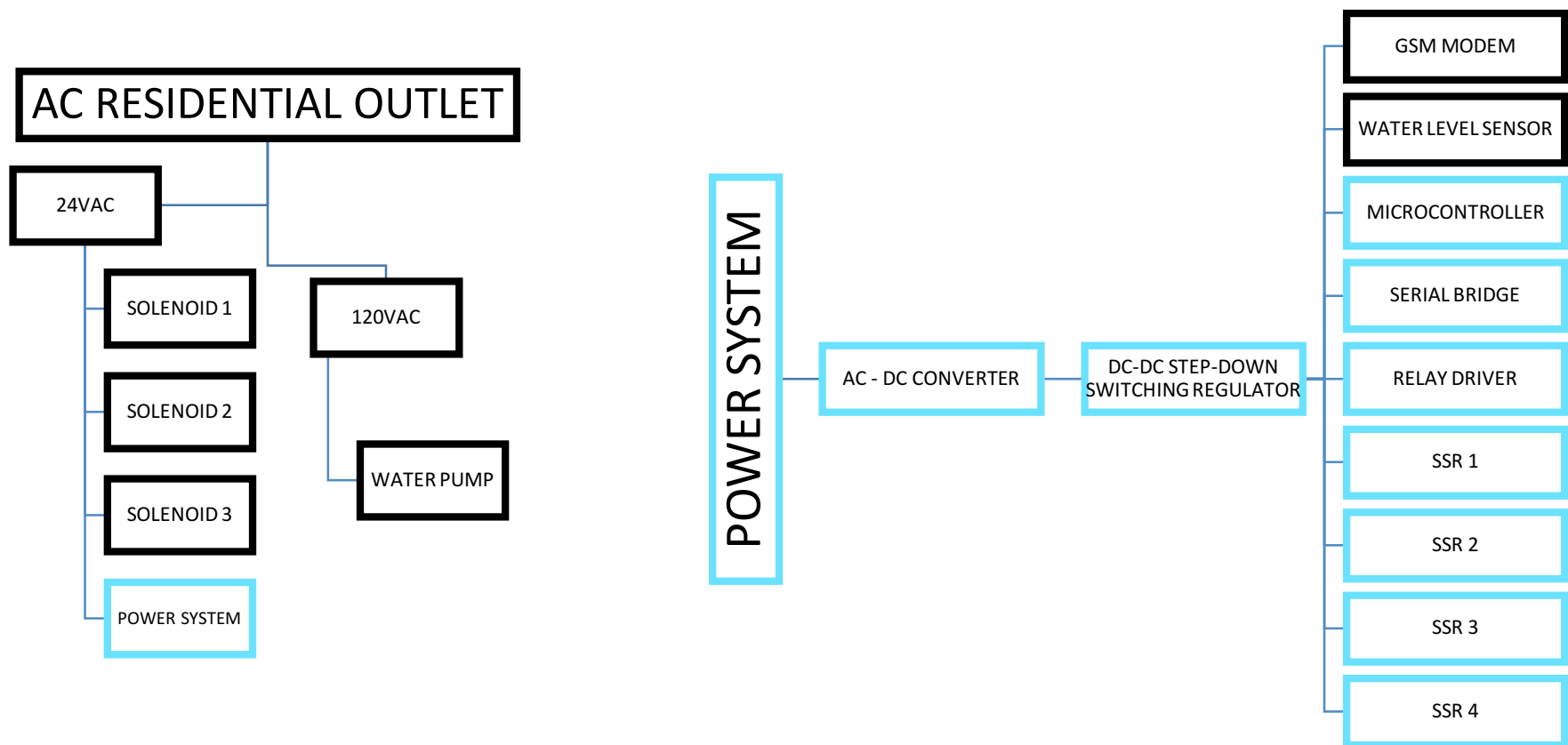
EQUIPMENT BLOCK DIAGRAM



POWER SYSTEM BLOCK DIAGRAM

— External Component

— Internal Component to PCB



GSM MODEM GENERAL FEATURES



SIM900 GPRS/GSM Board Quad-Band Module

- Quad-Band 850/900/1800/1900 MHz
- Compliant to GSM phase 2/2+
- Class 4 (2W @ 850/900 MHz)
- Class 1 (1W @ 1800/1900 MHz)
- Embedded TCP/UDP Stack
- Short Message Service
- Special Firmware – Embedded AT, FOTA, and MMS.
- Low Power Consumption – 1.5mA (sleep mode)
- Supply Voltage Range – 5VDC – 5.5VDC
- Standard 5V TTL Logic Levels
- Industrial Temperature Range – -40°C to +85 °C
- Size – 8.5x5.7x2cm
- Certifications – CE, FCC, GCF, PTCRB, IC, ICASA, ROHS, REACH, NCC, Anatel, A-TICK, and ATEX.
- Carrier Approvals – Rogers, Oranges, T-Mobile, Vodafone, Deuts Telecom, Telia Sonera, TIM, TING, and GMA.
- Web Link Breakout – <http://www.sainsmart.com/sim900-gprs-gsm-board-quad-band-module-kit-for-arduino-high-quality-new.html>
- Web Link Module – <http://simcom.ee/modules/gsm-gprs/sim900/>