Raspberry Pi
Microcomputer

Router
Local network

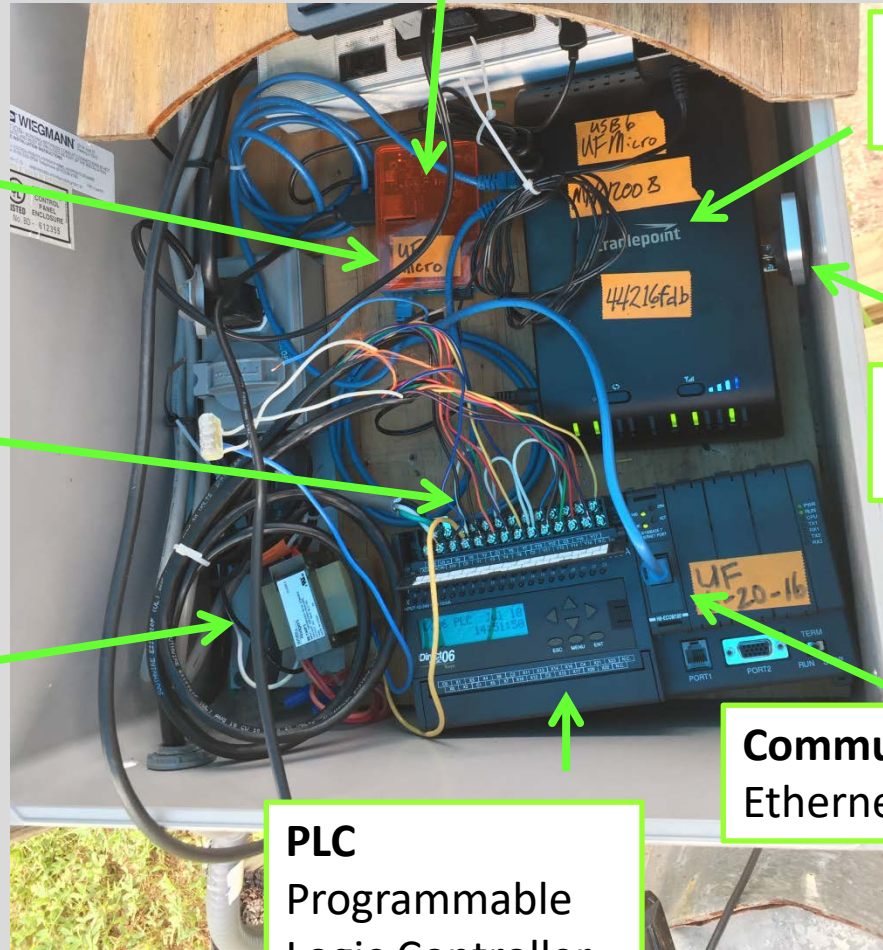**Weather station**
USB output

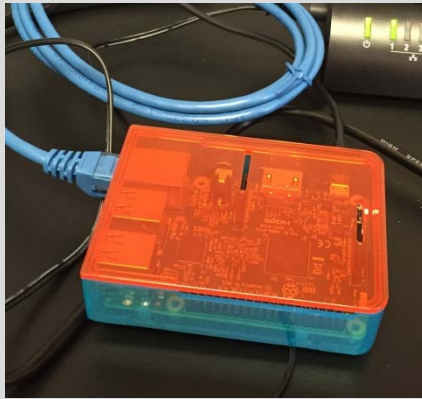**Switch outlets**
Solenoid wires

USB cell modem
Internet connection

Transformer
24VAC

Communications module
Ethernet

PLC
Programmable
Logic Controller

Local Microprocessor (Raspberry pi)
WEEWX - weather data acquisition for Davis Station
CIRRIG agents to acquire output
PLC programs
Data storage – PLC logs, CIRRIG inputs

CIRRIG (UF server)
Weather data management
Irrigation zone management - inputs and outputs

Computer (remote or local network)
PLC graphical user interface – manage and monitor PLC