HANDS ON THE FLM03E FIRST EXPERIENCES MARKUS GEBHARD, KARLSRUHE, AUGUST 2016 HTTP://GITHUB.COM/GEBHARDM

THE FLM03E IS...

- ... the newest generation of a community measurement appliance for energy, water, gas, environment
- ... a worthy successor of the FLM02
- ... designed and provided by Bart Van Der Meerssche@flukso.net



BOXED



50A current clamps with smaller layout and attached wires; fast detection of current and phase

Power Supply, 9V AC also for voltage and phase measurement

Base unit with seven ports, built-in WiFi and 868MHz communicatio

INSTALLATION - THE CURRENT CLAMPS



INSTALLATION - THE BASE UNIT



STARTING-UP - BASE CONFIGURATION

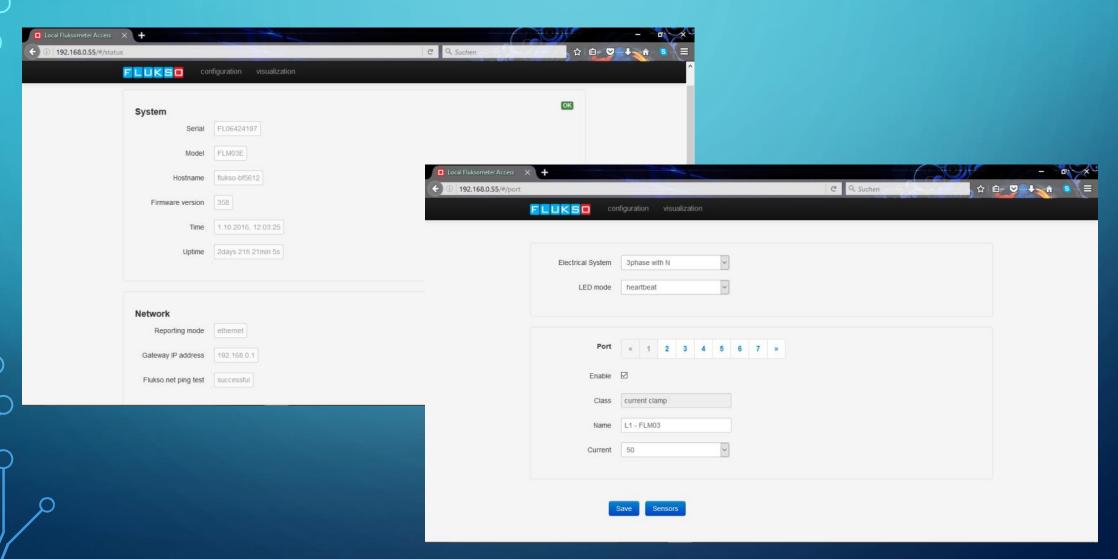
Hardware

- Attach WAN port "to the internet" (modem/router side of your LAN)
- Attach LAN port to a PC/Mac you are about to use for configuration

Software

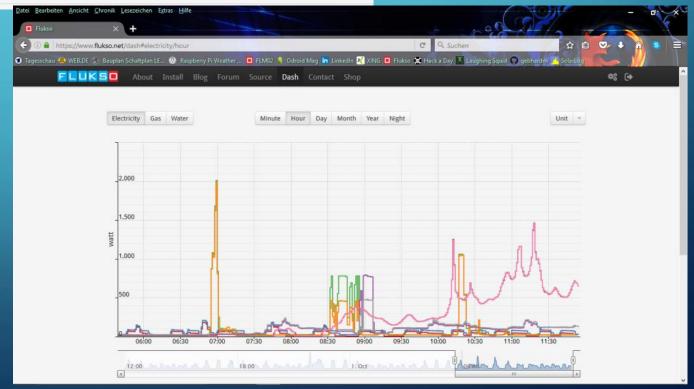
- Browse http://192.168.255.1 your PC/Mac gets an IP-address from the FLM03E
- Login as user 'root' with default password 'root'
- Configure your network and sensors (type and name)

STATUS & SENSOR CONFIGURATION



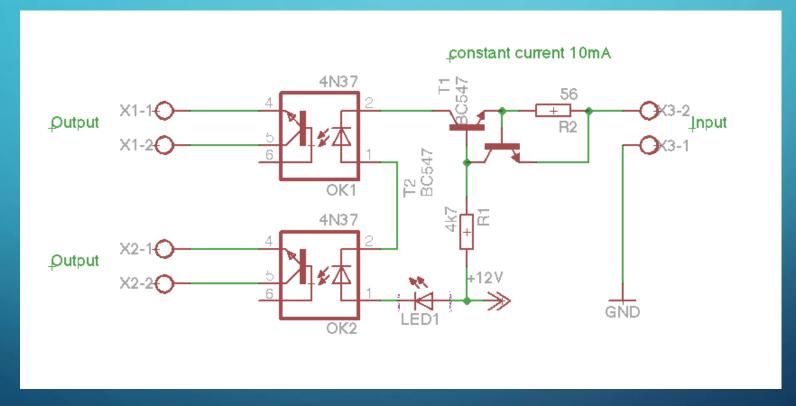
DONE - FOR THE EASY PART...

View	Edit	Edit Orders Subscriptions Pr		Privacy	ocy Devices Sensors				
Serial				Versi	on Re	esets	Last heartbeat	Uptime	Operations
FL0200	0178			250	84	4	01 Oct 2016 11:01:06	2d 20h	remove
FL0642	4197			358	12	2	01 Oct 2016 11:00:02	2d 20h	remove



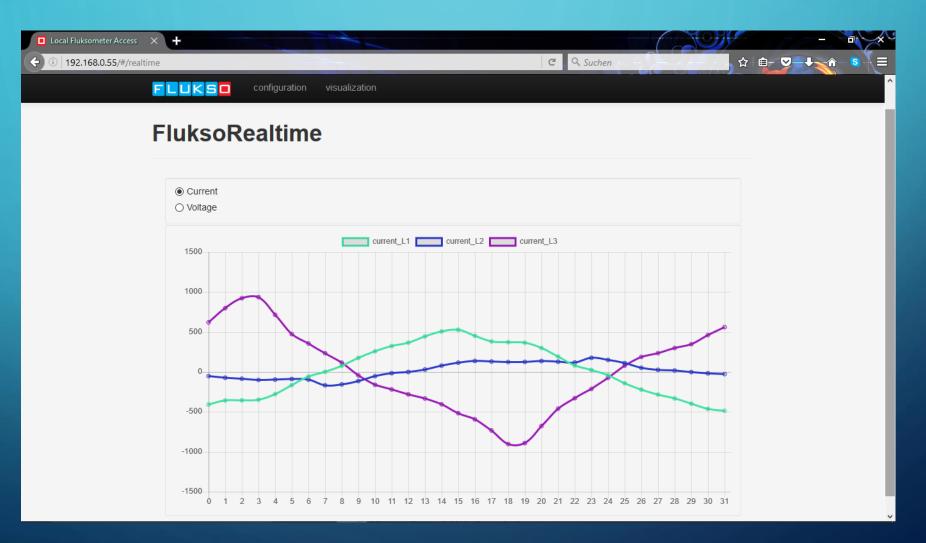
A LITTLE BIT OF ELECTRONICS...

How to interface one PV with two FLMs?

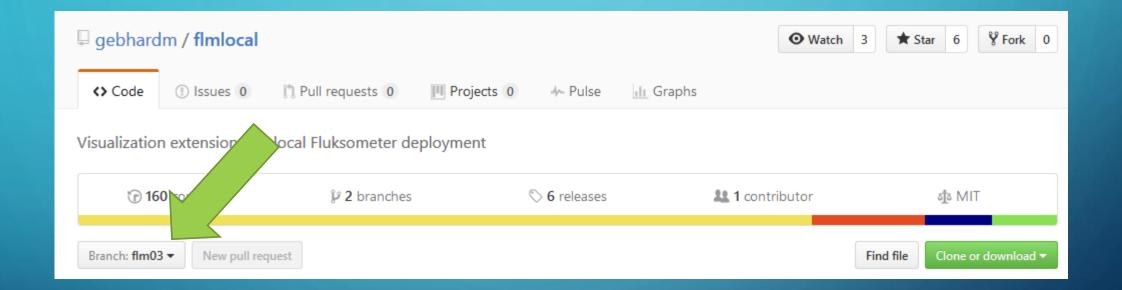


 $S0 \rightarrow 2x S0$ Pulse Splitter for a single pulse output to two inputs...

NOW - HANDS ON THE NEW FEATURES

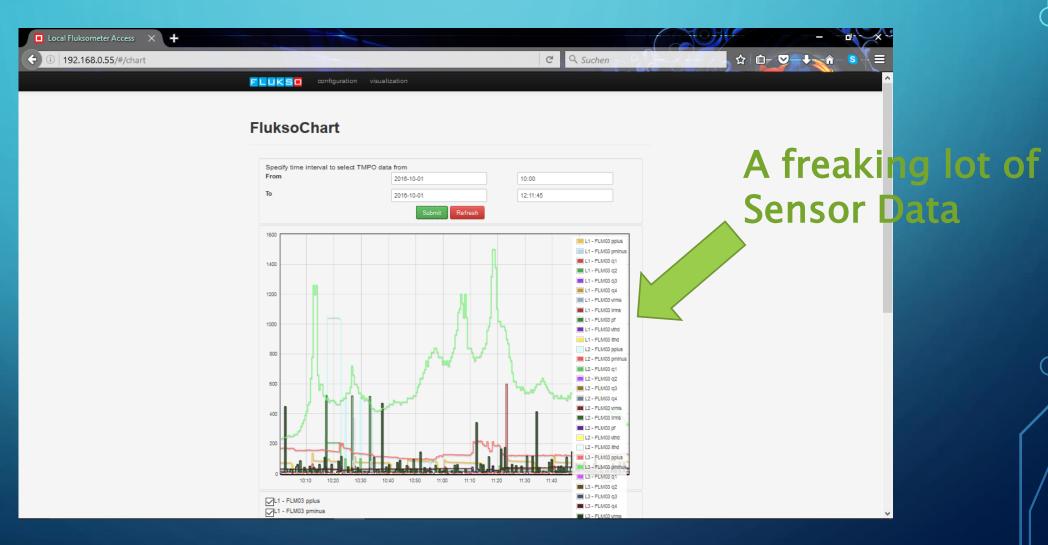


FLM - THE LOCAL VISUALIZATIONS



https://github.com/gebhardm/flmlocal/tree/flm03

FLUKSOCHART



NOW YOU MAY HELP YOURSELVES

All on Github

