

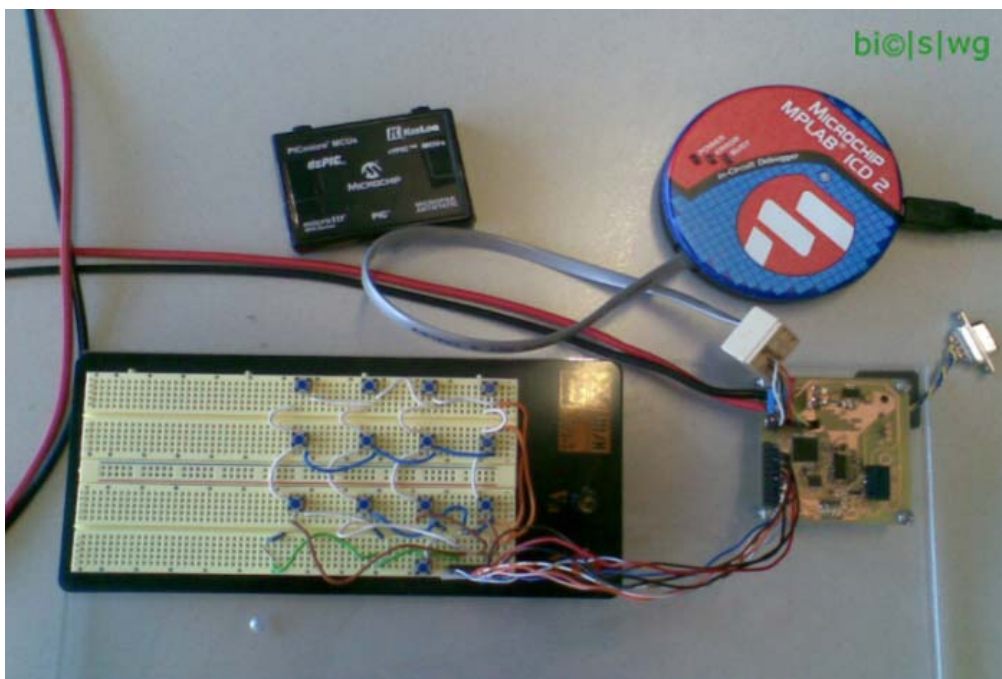
## Autumn 08 Project by Andreas Blassnig & Florian Prieler

### Implementation of Electronic Code Lock

We implemented an electronic code-lock using a PIC18F4420 microcontroller.

#### Functionalities:

- 2 relay switching outputs, each with autonomous opener-codes and validation-button
- Temperature measurement with min/max value storage
- Operating hours counter, opener counter
- Loss of power detection → minimal power consumption mode
- Diagnostic interface via hyperterminal access, after input of 7 ASCII characters in correct order:
  - Display of the master-codes, the actual valid sub-codes, the main-codes, temperature, operating hours, opener-counter, opener-duration, ...
  - Reset all codes, the opener-durations, opener-counter, min/max temperature, ...
  - Modification of opener durations, opener-test, touchtone active/deactive, activate the sub-code-option, ...



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