

HadronB Basic Course Syllabus

Objective: This course is designed so that the user knows the functionalities of the HadronB module and is able to download programs and implement an already created project or create a project from scratch by programming it for a specific application.

Module I (Hardware)

1- Getting to know HadronB

Historical Framework
Particular capabilities
Advantages over traditional equipment

2- HadronB architecture

Pinout
Prosecution
Ports
Isolation

3- All-terrain power

4- Analog Inputs

5- Power outputs

6- Programming port

7- Display port

8- Expansion port

9- Connection base

10- Port G multi-module operation

A11- Application topologies



Previous knowledge:

Module I
It does not require prior knowledge, only basic notions of electricity.

Module II
Requires basic programming knowledge and basic computer skills.

Requirements:
Computer with internet and USB port

Total hours 20

12- Programming environment

Web portal

programming IDE

Program download

13- Building solutions and security.

Module II (Programming)

1- Introduction to c++ and Javascript

2- HadronB language

3- HadronB architecture

Pinout

Processors

Isolation

Ports

Memory

4- Operation instructions

Language operators

Timers

Filters

Analog inputs

power outputs

PWM outputs

Dead time output

Programming port

Display

Expansion port

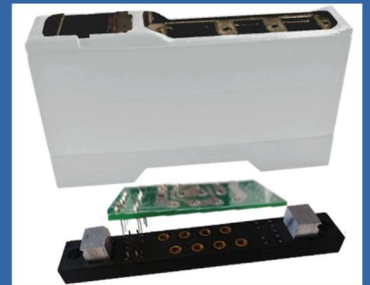
Port G

5- Control elements programming structure

Flowchart

PID control

Switching techniques



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6- IDE programming environment

7- Creation of new project

8- Debugging and download

9- Project format

10- Support and training.

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