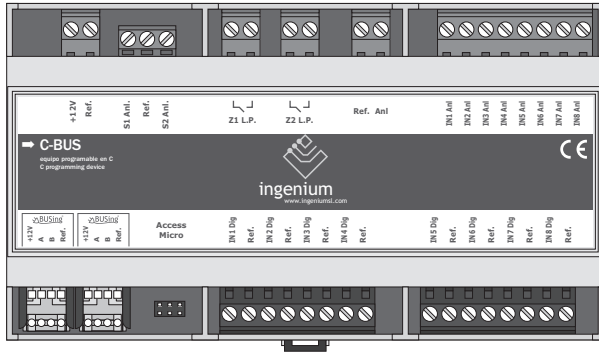# ➡ C-BUS

Device to program in C language

Allows to develop programs in C language to control BUSing® devices.

- Digital inputs low voltage (SELV) referred to the BUS ground
- 2 digital outputs with potential free relay switch capacity of 10A
- 8 analog inputs 0–10V DC
- 2 analog outputs 0–10V DC
- GNU Compiler available
- Free Development Environment
- ISP programming of the device microcontroller – ATMEGA 128
- DIN rail mounted (9 modules)

Description

This device allows to develop C programming to control INGENIUM devices through it.

By using reserved programming libraries, it is possible to act over any of the BUSing® devices connected in the same installation, as well as connecting any type of analog sensor such as: wind sensor, barometer, etc; using the available inputs. The digital and analog inputs of the device can be controlled through the developed C program.

The options for the implementation of more or less complex projects depend on the ability of each user's programming and his mastery of the C language.

Technical Characteristics

Device Reference	Voltage Supply	Current Consumption	Analogic Inputs	Analogic Outputs	Digital Inputs	Analogic Outputs	Switching capacity of each digital output
C-BUS	9–16V DC (BUS)	100mA (BUS)	8	2	8	2*	10A

* free potential outputs

➡ C-BUS

Installation