

CON-bus Specification

“ WIP: This document is still a Work-In-Progress and only includes the raw CAN definition of CON-bus. In the future, this page should also include more specific details about how CON-bus works and the CAN definition should be under a "CAN Driver Implementation" section.

Configuration (ID 1000-1399)

ID=10xx, Read register, 1 byte

Requests the device with id xx to reply with the value of a register as a specified address. The device will reply with a 11xx message.

Byte 0 is the address of the requested parameter, in the range 0 to 254

- 255 (0xFF) is a special reserved code to receive all parameters

ID=11xx, Read register response, 4-7 bytes

The reply following a 10xx message.

Byte 0 is the address of the parameter being sent Byte 1 is the length in bytes Byte 2 is reserved. Bytes 3-6 is the value of the parameter.

ID=12xx, Write register, 4-7 bytes

Requests the device with id xx to write a value to a parameter with a specified address. The device will reply with a 13xx message.

Byte 0 is the address of the parameter being sent Byte 1 is the length in bytes Byte 2 is reserved. Bytes 3-6 is the value of the parameter to be written.

ID=13xx, Write register response, 4-7 bytes

Response to ID 12xx. Replies back with a copy of the original 12xx message to acknowledge that the parameter was written.

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