(EN)

GDCAN

User Manual

Dinacell Electrónica S.L.

Dinacell Electronica S.L.

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Product notice

This manual describes the features that serve the product in its most up-to-date version.
The resources included in this manual cater to the different GDCAN gateway models.

For more information

www.dinacell.com

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Introduction

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1.1 General Overview

Device designed for the senditure of data from a CAN network to a remote server both via USB, GPRS or ETHERNET. Using this device on a CAN network, any installation can be monitored quickly, remotely and in real time.

It is compatible with Dinacell SilosApp solution. Combining this device with the SilosApp will give you full control of your installation remotely and in real time.

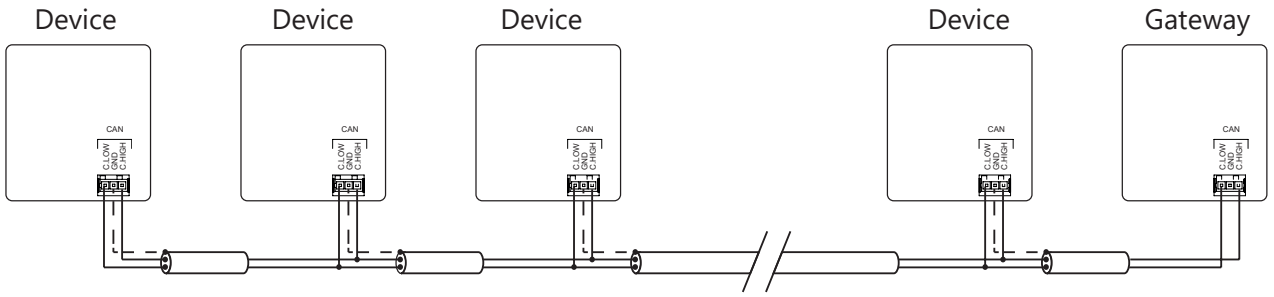
1.2 Main Characteristics

Parameter		**Units**	**Specifications**	
Model		-	GDCAN-GPRS	GDCAN-ETHERNET
Power supply		VDC	24	
GPRS Wireless connectivity		-	✓	-
Ethernet connectivity		Mbps	-	✓
Connectivity BUS-CAN version CAN 2.0	Baud Rate	kbps	50 / 125 / 250 / 500	
	Maximum number of devices connected to the CAN network	-	16	
USB Connectivity	Interface	-	Mini USB	
	Version	-	2.0	

1.3 CAN connection diagram

For installations with more than one MLS device connected to the CAN network, refer to the connection diagram.

– – – – The dashed lines represent the shield



Technical data for the installation

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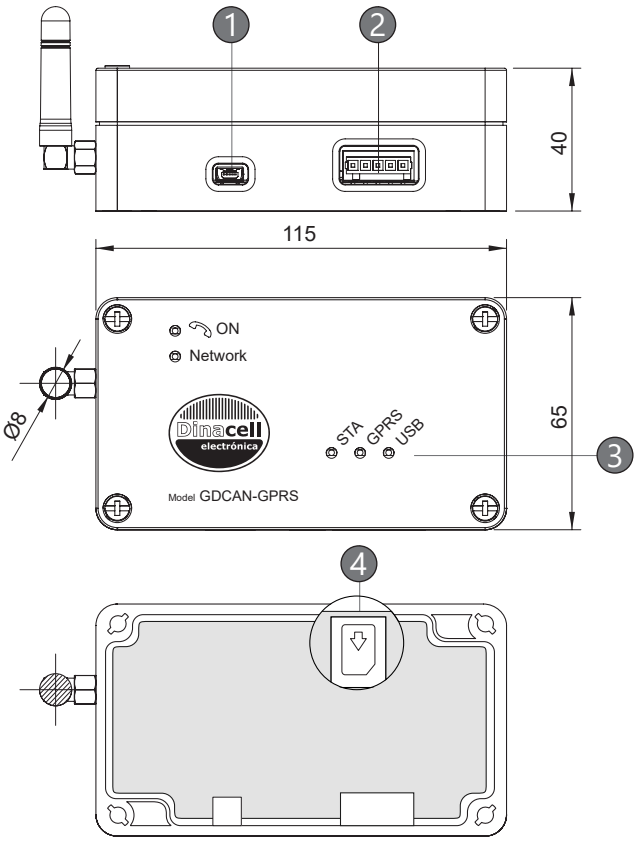
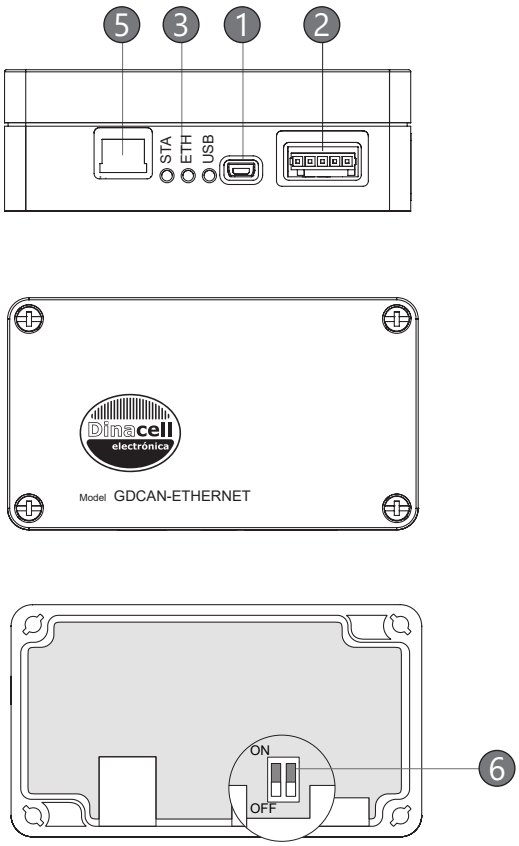
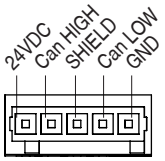
2.1 Dimensions and connections diagram

GDCAN-GPRS



GDCAN-ETHERNET



Component			Description
(1) Mini USB connector			-
(2) CAN connector			 CAN connector detail
(3) LED indicators	ON	Fixed	GPRS communications module ON.
	Network	Slow blinking	Module registered in the telephone network.
	STA	Blinking	Device on.
	GPRS	Fixed	Established connection with the server
		Blinking	Sending data.
	USB	Fixed	USB enabled.
	ETH	Fast blinking	Network connection has been established, no server response.
		Blinking	Connection to the server has been established.
(4) Nano SIM connector			For GPRS connection
(5) RJ45 connector			For ETHERNET connection
(6) End-of-line microswitch			 OFF position  ON position

Device Installation 3

3.1 Connect the gateway to the network

- **For GDCAN-GPRS model only**

The first step is to insert a SIM card (Chapter 2.1, paragraph 4). Make sure the card is properly inserted.

ⓘ The card must have PIN lock disabled. You can enter the card and disable PIN locking from a mobile phone.

- **For GDCAN-ETHERNET model only**

The first step is to connect the network cable to the RJ45 port on the gateway.

3.2 Connect the power supply

Connect the power supply of the device (Chapter 2.1, paragraph 2).

3.3 Linking to the SilosApp app

Everything you need to connect to the SilosApp app is explained in Chapter 4.

ⓘ The gateway cann not be connected to the CAN until the configuration is complete.

3.4 Connect the CAN

Finally connect the gateway to the CAN network (Chapter 2.1, paragraph 3) in order to start the senditure of data.

- **For GDCAN-GPRS model only**

If the device is positioned as the end of the line of the CAN installation, a resistance of 120 Ohm must be placed on the connector between the CAN High and CAN Low lines.

- **For GDCAN-ETHERNET model only**

If your device is positioned as end-of-line on a CAN network, switch your device microswitches to the ON position.

3.5 Access to the online app SilosApp

Visit the page below and enter your user details.

https://silos.dinacell.com

Linking to the SilosApp

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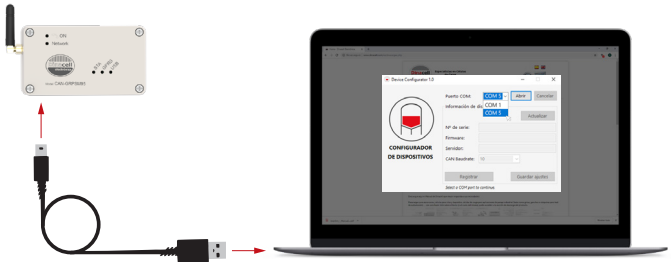
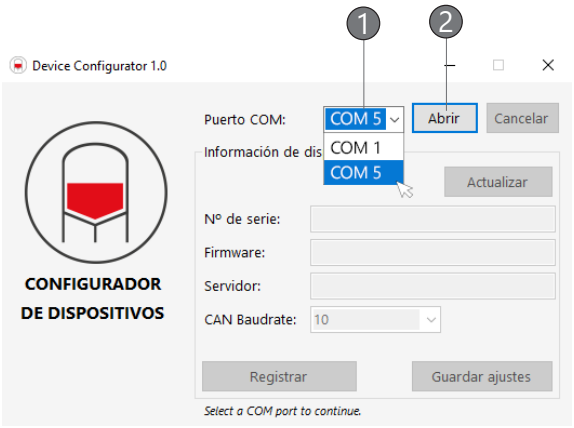
4.1 Download the configurator

Download the configurator by visiting www.dinacell.com in the downloads section. The program does not require installation, after downloading, run and access the configurator.

4.2 Connect and select the USB

Connect the gateway to the device by using a mini USB to USB connection, once connected, notice the new COM (1) that appears, select it and click the (2) button.





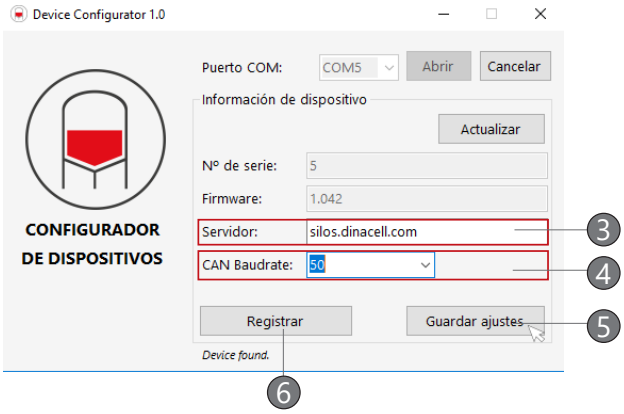
4.3 Address and Baudrate

The next step is to verify that both the server address and baudrate are correct.

(3) Server address: silos.sinacell.com

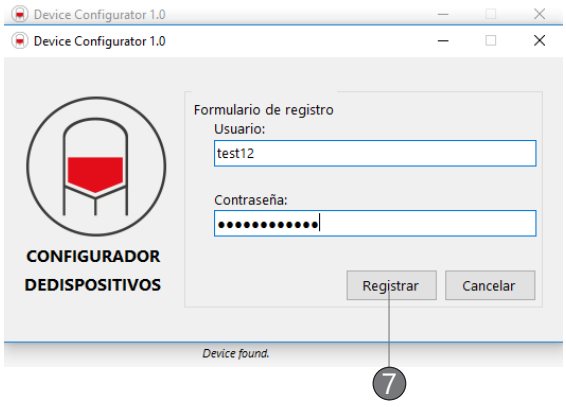
(4) Baudrate by default: 50

Click the Save Settings button (5) and click on Register (6) .



4.4. Registration form

Enter the User and Password that has previously been provided to you.
Then click on Register (7) .



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