

Quick Reference for programming the CID (Coil Integrated Decoder)



1 CID - Coil Integrated Decoder

1.1 Decoder programming



Attention: Only possible with administrator rights!



The Decoder must be programmed with the decoder number before installation

With the Perrot Satellite, the decoder numbers for valves, pump decoders and pump monitoring are freely selectable. For a better overview, we recommend using the following scheme:

Decoder number	1240	for electric valves
Decoder number	241 .. 250	for pumps
Decoder number	251	for pump control

Decoder models available:

Description	Type	Distinction	Application
CID – Coil Integrated Decoder	CID	Black round housing, 2 wires	Single station control
Standard decoder	PD5/AC-1	Blue square housing, 4 wires	Single station control
4 station decoder	PD5/AC-4	Blue rectangular housing, 10 wires	4 station control
6 station decoder	PD5/AC-6	Blue rectangular housing, 14 wires	6 station control
Bi-directional decoder	PDF/-1	Black rectangular housing, 4 wires	Single station control with feedback on valve status



All decoders can be programmed as often as you like.

A. Components needed for CID programming

- ✓ PC with Satellite-/Greenkeeper- Software installed and the VCU
- ✓ DPG Programming unit- (Part No. ZH90022) or DPK Programming cable (Part No. SG50032)
- ✓ CID – Coil Integrated Decoder (Part No. SB49125)
- ✓ Magnetic-Pin for CID programming (Part No. ZK93995)

B. Preparation for CID programming

Open the front cover of the VCU.

Connect the plug of the programming unit to socket **34/35** of the VCU terminal block. To do this, the decoder cable (6-pin plug) must be unplugged.



Programming Unit



Programming Cable

The decoder number is defined in the service menu.

In the Main Menu:

1.	Service	Decoder
	<p>Satellite</p>	

Explanation

- ✓ Each dot represents the decoder number to the right. The meaning of the different colors is explained in the legend on the right side of the menu.
- ✓ Select Satellite: Use the pull-down menu to select the satellite to which the programming unit is connected.
- ✓ Activate / Deactivate: Click on the button to activate or deactivate the selected decoder.
- ✓ **Inrush current / holding current: Does not work with the CID decoder**
- ✓ "Progr. Dec." function button for programming the decoder

C. Programming with the DPG Programming Unit or DPK Programming Cable

1. Connect the decoder to the programming unit. One of the black cables to each of the terminals "BLACK"

The red clamp and blue clamp are without function (Only for DPG)

2. The switch of the programming box is without function (only for DPG)
3. Position the mouse pointer on the desired decoder number and click once with the left mouse button. Now you have the corresponding decoder number selected. The white circle is marked with a dot.
4. Click once on the button "Progr.Dec."

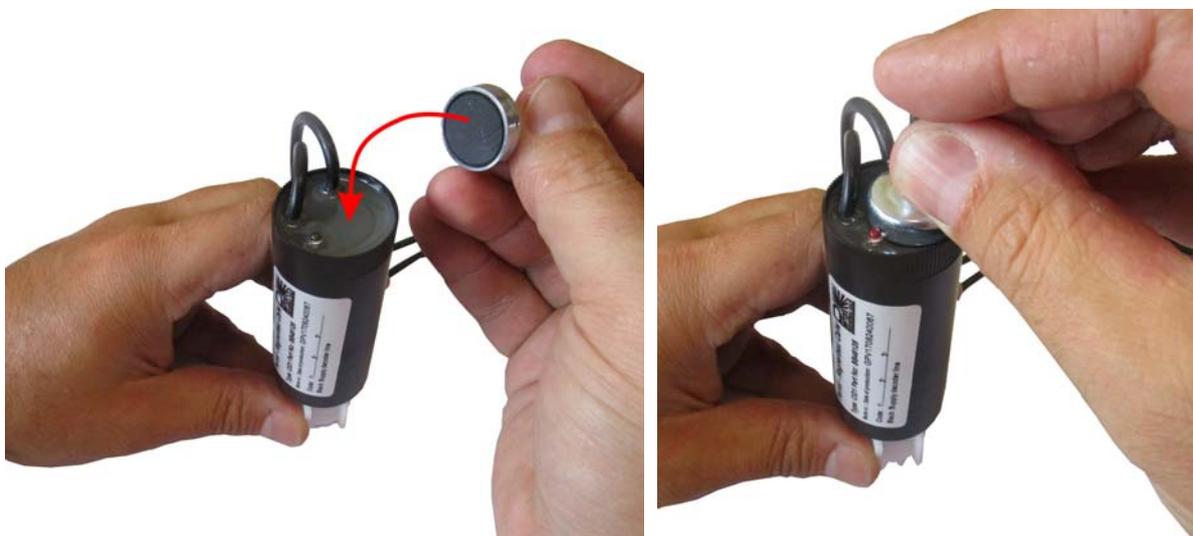
The LED of the decoder will now light up permanently.



Ready for Programing

5. After 2 seconds, hold the magnet on the contact surface and stay on the contact surface for at least 2 seconds.

Now you have the address saved in the decoder.



Now the LED of the decoder should flash 5x briefly.



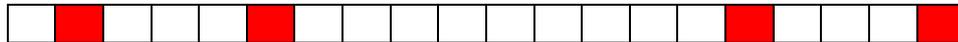
Programming successful

If this is not the case, repeat the programming from point 4.

To test the programmed decoder, click on the **"Activate" button**.

The decoder will now be activated and pulls up the solenoid plunger (you can hear the click).

The LED on the decoder flashes in the following cadence:



Decoder active

To exit click on the **button "Deactivate"**

The decoder is now ready for installation.

Mark the corresponding number on the decoder!!

To program more decoders, repeat the whole process.



If a decoder is supplied with power for more than 5 minutes, it automatically enters programming protection. Decoder can then be programmed again only if it is de-energized for some time.

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