Cosy 131 - DI config

1. Introduction

This info applies to eWON COSY131 devices.

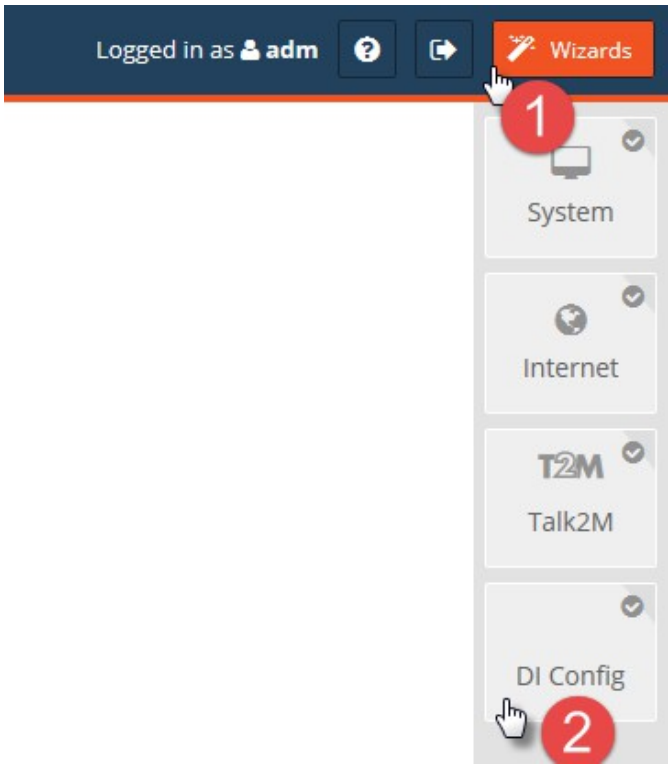
Since firmware 13.0s0, a wizard called "Di Config" is available.

This wizard allows to configure the use of the Digital Inputs of the eWON.

The digital inputs can be used to :

- control the remote access (using a Key switch)
- send out an alarm notification by email and/or SMS

Note: The "Di Config" wizard is not executed during the Quick Launch. If you want to use the digitial Inputs of the eWON, then you need to start the "Di config" wizard manually using the Wizard Menu on the top right corner.



2. Key switch to control the remote access

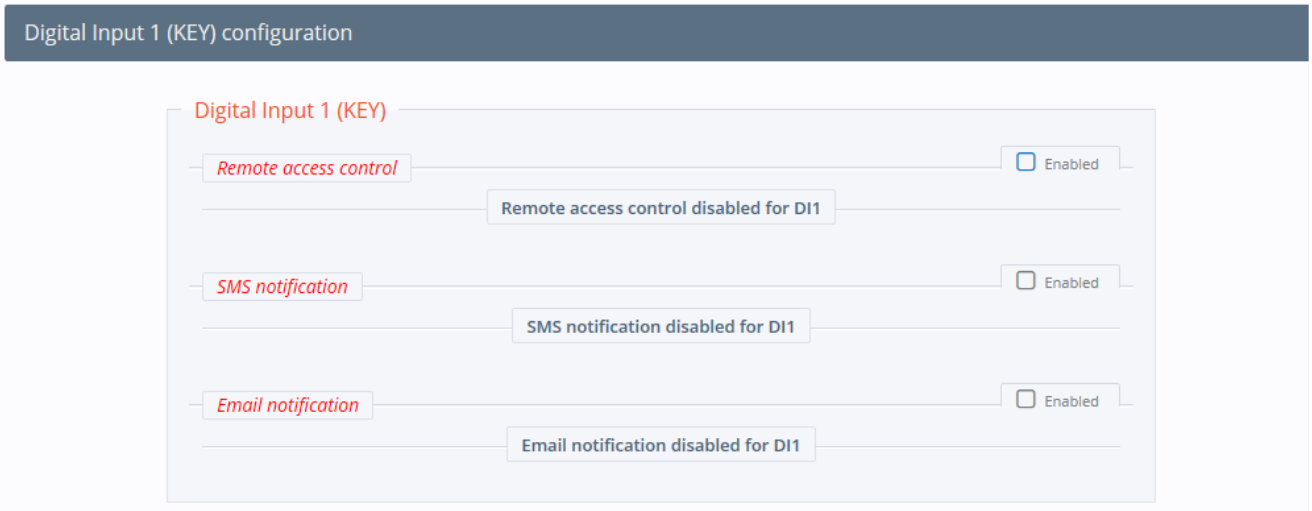
2.1. Configuration wizard:

Start the "Di Config" wizard.

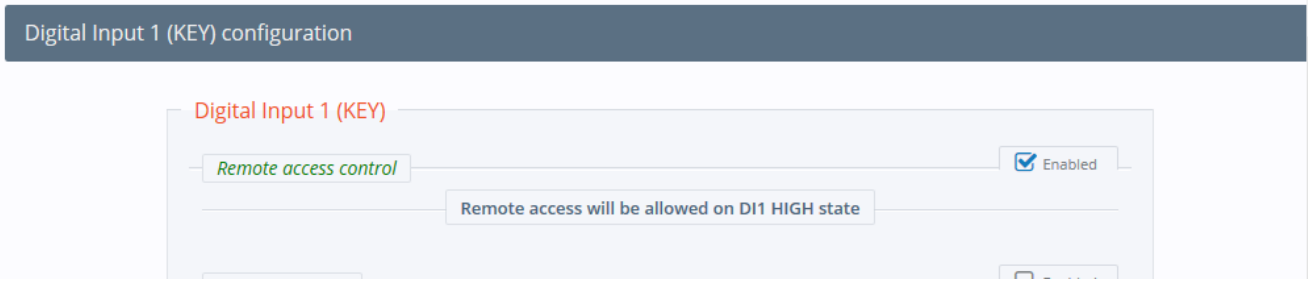
The first page of the wizard gives on overview of the different actions that can be triggered using the Digital Inputs.

Click on "Next" to start the configuration part of the wizard.

The next wizard window allows you to configure the actions of the Digital Input 1.



To enable the the remote access control, simply click the enabled check box.



If enabled, the remote access through Talk2M will only be possible if the state of the digital input 1 is high, so only if the Key Switch has been enabled.

You can now click on next to finish the wizard. Or if required you can also configure Email or SMS notifications.

2.2. Cosy front panel LEDs:

On the eWON Cosy front panel, the Digital Input 1 is called "Key". So when the Key-LED is on, it indicates that the remote access is enabled. If it is of, then the remote access is not allowed.

3. Email and SMS notification

For both digital inputs (DI1 and DI2) you can setup email or SMS (text message) notification. According to your configuration, the Cosy will send notifications (SMS and/or email) when the digital input state is up.
To send the email and SMS the eWON Cosy will use the Talk2M relays. This allows to send out SMS even on a Cosy 131 WiFi and Ethernet.

The SMS will be charged on your Talk2M account, the emails are for free.

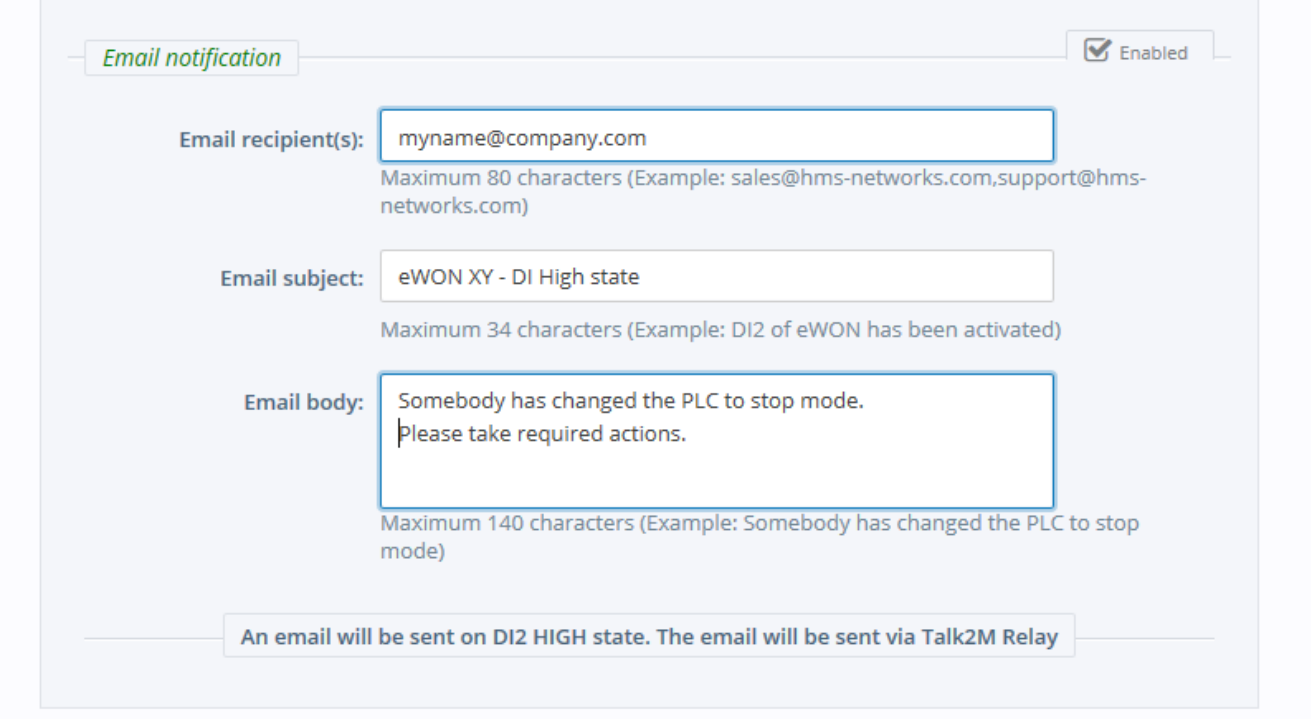
Note: If the digital input is up at boot time, then the notification is sent out once the eWON is connected to Talk2M and a prefix "(BOOT)" is added to your messages

To configure the notifications, simply start the "DI Config" wizard and enable the notification for DI1 and/or DI2. The 2 sections here under explain how to configure email and SMS notifications.

3.1. Email notification

To configure the email notification, click on the "Enabled" checkbox.

The Email recipient, Email subject and Email Body field will be displayed.



Inside the Email recipient field encode the email addresses who should receive the notification. Multiple email addresses are possible and need to be separated by a ","

Ensure your email subject and body are explicit enough to distinguish your Cosy and DI.

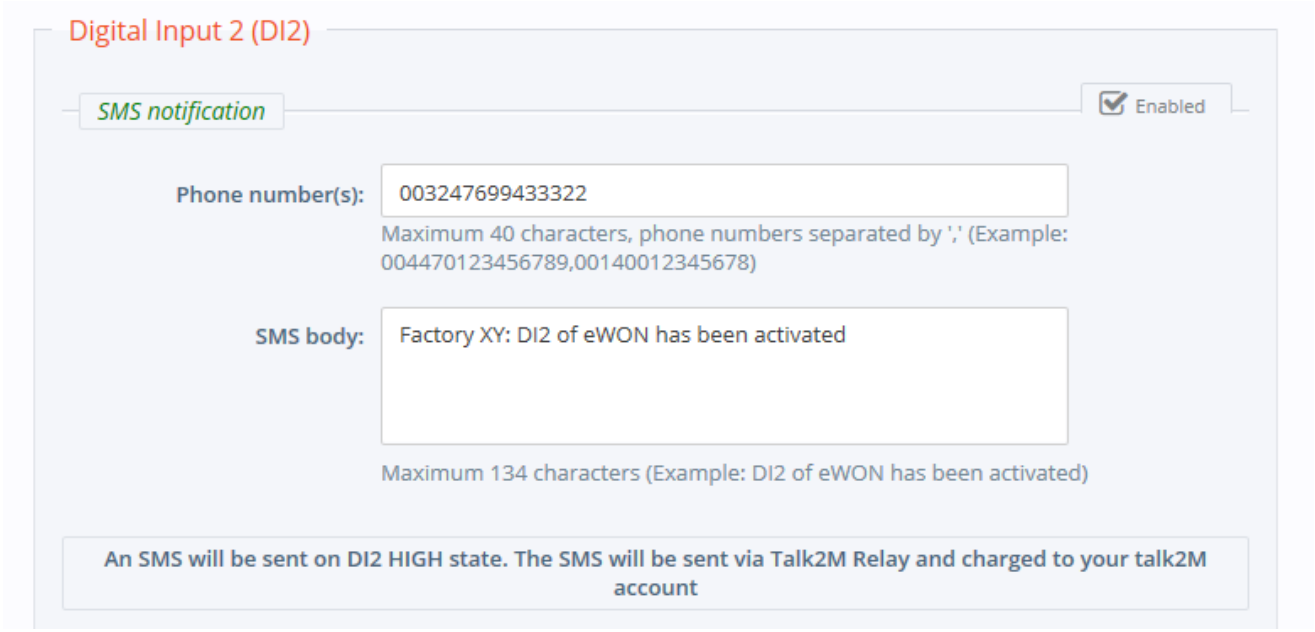
Once

The "Email notification" changes from orange to green once the "Enabled" is checked. You will not be allowed to go to the next wizard step if any of the field is incorrect.

3.2. SMS notification

To configure the SMS notification, click on the "Enabled" checkbox.

The Phone number and SMS body fields will be displayed.



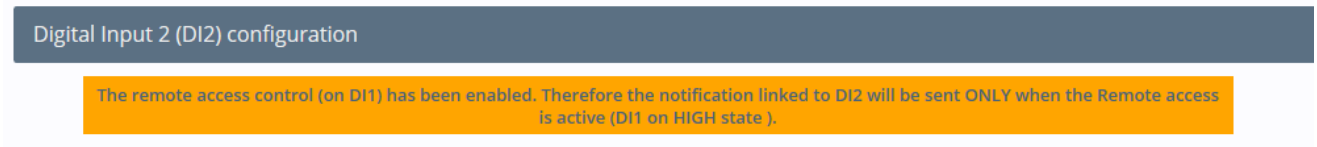
You can enter a list of valid phone numbers separated by a ",". Each phone number will receive a notification according to the corresponding DI state.

Ensure to have an explicit message inside the "SMS body" that allows to distinguish which Cosy, which DI has triggered the notification.

The "SMS notification" changed from orange to green once "Enabled". You will not be allowed to go to the next wizard step if any of the field is incorrect.

4. Using Remote Access Control together with notification

It is possible to use the notification in combination with the Remote access control.
This allows for example to receive an email when the remote access has been allowed on the Cosy using the Key switch.
But also take into account that no notification will be send out when the remote access control is enabled and the remote access is prevented.
A dedicated message informs about this on the configuration page of DI2.



5. Event log messages

Every time an action is triggered due to the DI status change it is logged also inside the event log of the eWON.

So the event log will contain following messages:

"**DI trigger notification (DIX => Y)**" : X can be 1 or 2 according to the DI used, Y is the recipient according to your configuration. This log is a trace and is generated on DI change.

6. Appendix1 : Disable only VPN connection when Key switch is used

When the Remote access control is enabled, then by default all communication on the WAN interface is disabled. So the VPN connection is blocked but also all other Ethernet communications.

If you want to use locally the eWON as a gateway or using for example the NAT1:1 feature, then you can, using advanced config, block only the VPN communication.

Proceed as following:

Open the comcfg file inside the advanced tabular editor:

Menu Setup / System / Storage / tabular Editor/ Edit Com Cfg

Search for the DI1 parameter, and set it to following value

COM config parameter	Description	Example
DI1Cfg	Contains the DI1 configuration as a bitfield	0 : Not used (default) 1 : Internet control 2 : VPN control 4 : SMS notification 8 : Email notification You can sum them: 14 (2 + 8 + 4) : VPN control with SMS and email notification But you can't sum 1 with 2 .

Revision

Revision History

Revision Level	Date	Description
1.0	30/03/2018	Original document
1.1	03/05/2018	Changed the firmware version.

Document build number: 6