

Commissioning Guide for Vigilohm IFL12H

About this guide

This guide explains about the commissioning procedure of Vigilohm IFL12H.

Throughout this guide, the term “device” refers to Vigilohm IFL12H.

For detailed installation and operating instructions, including safety messaging, read the device instruction sheets and user manual.

Document Reference

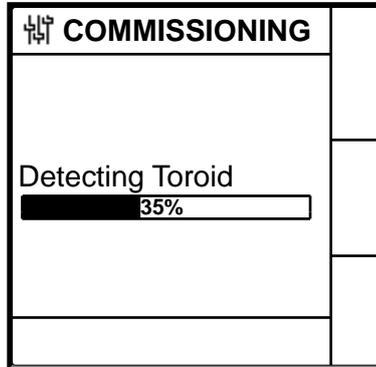
Title	Number
Instruction Sheet: Vigilohm IFL12H	QGH34270
User Manual: Vigilohm IFL12H	7EN02-0407

Automatic Commissioning

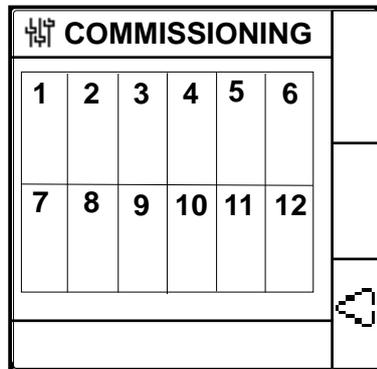
At first power up, the device performs automatic commissioning.

1. Connect 12 toroids and turn on the power supply.

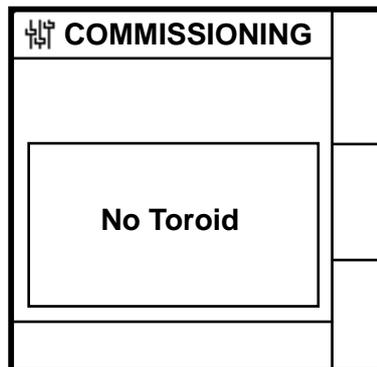
The device displays **Detecting Toroid** message with a percentage progress bar.



- If toroid is detected, the **Commissioning** screen displays.



- If toroid is not detected, the **No Toroid** message displays.



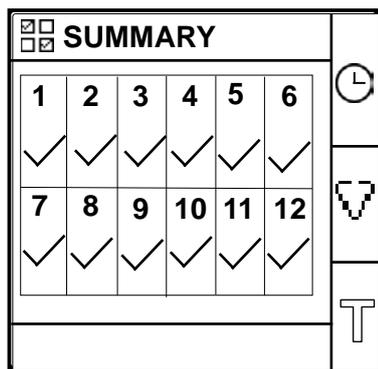
Perform one of the following action:

- Check if the toroid is properly connected and navigate to **Menu > Settings > Commission > Auto**. The device performs automatic commissioning.
- The connected toroid is not compatible with the device. The device should be manually commissioned. See *Manual Commissioning, page 4*.

2. Press  button.

The device exits the commissioning mode and displays **Summary** screen.

NOTE: The clock icon flashes to show that date and time needs to be set.



NOTE:

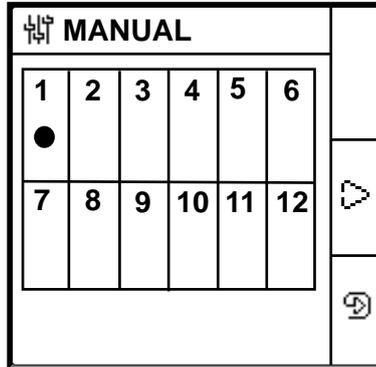
- The device automatically exits commissioning mode after one hour if manual exit is not performed.
- If you have connected a new toroid or replaced a toroid, navigate to **Menu > Settings > Commission > Auto**. The device performs automatic commissioning.

Manual Commissioning

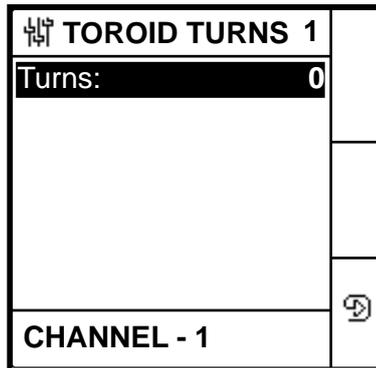
The device must be manually commissioned if the connected toroid is not compatible with the device.

NOTE: Refer to the Vigilohm catalog for the most up to date listing of compatible toroids.

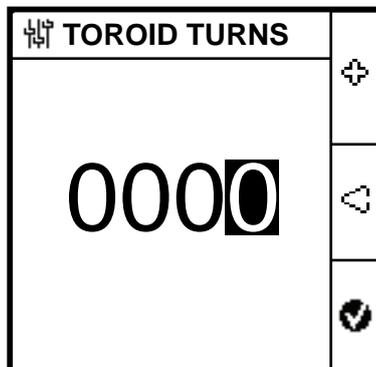
1. Navigate to **Menu > Settings > Commissioning > Manual**.
The **Manual** screen displays the channel grid and a flashing dot on the channel 1 grid. This indicates the channel 1 is selected.



2. Select a non commissioned channel using the button and press the button.
The **Toroid Turns** screen displays the toroid turns value for the selected channel with channel name and number.

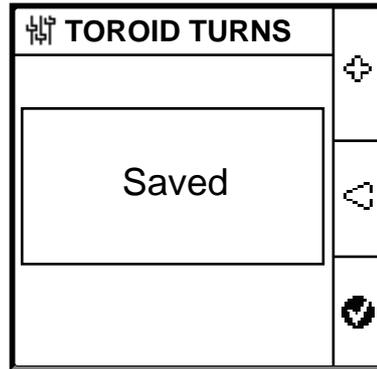


3. Press the button.
The **Toroid Turns** screen displays the toroid turns value



4. Set the toroid turns (Allowed values: 300 to 3000) using the contextual menu buttons and .

5. Press the  button to save the toroid turns.
A message **Saved** displays.



6. Perform steps 2 to 5 for other non commissioned channels.

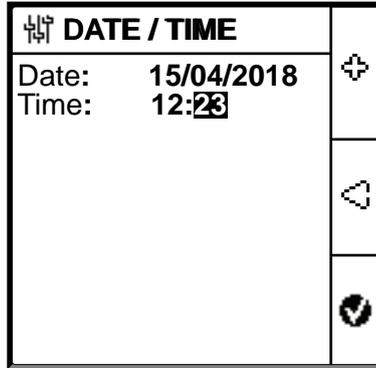
Setting date and time

Setting date and time ensures proper logs.

1. Press the flashing  button.

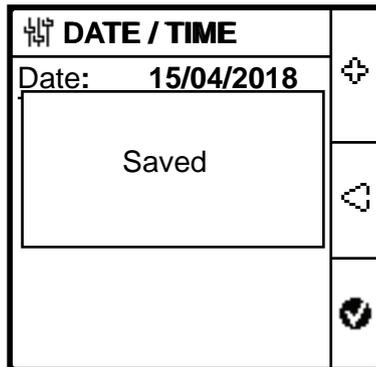
NOTE: The clock icon flashes to show that date and time needs to be set.

The **DATE/TIME** screen displays.

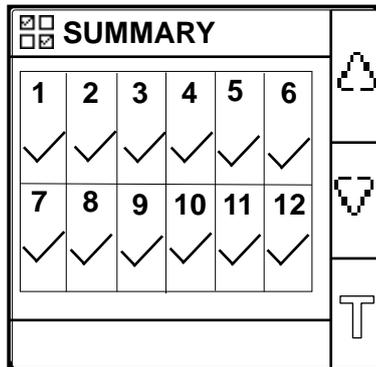


2. Set the date and time using the contextual menu buttons  and .
3. Press  button to save the date and time.

A message **Saved** displays.

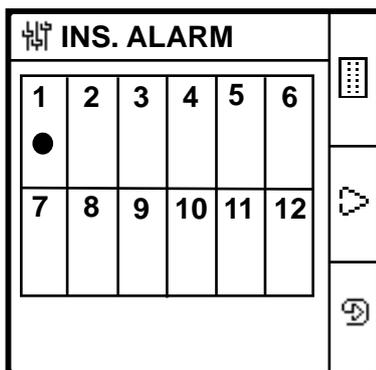


The **Summary** screen displays.



Configuring insulation alarm parameters

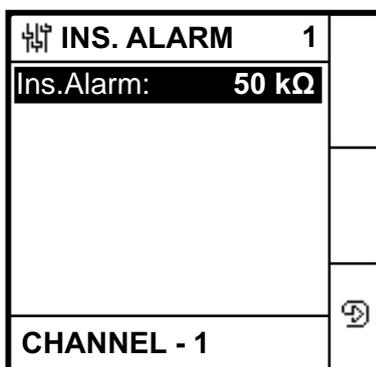
- Navigate to **Menu > Settings > Ins. Alarm**.
The **INS. ALARM** screen displays with the channel grid and a flashing dot on the channel 1 grid. This indicates the channel 1 is selected.



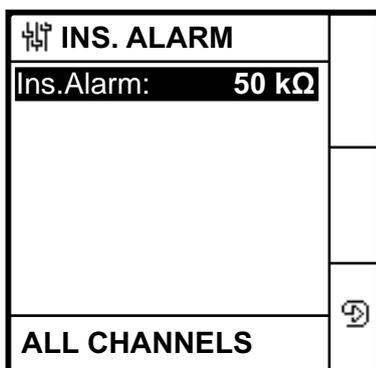
- Perform any one of the following:
 - To modify the value for channel 1, press button.
 - To modify the value for other channels, press button to navigate to the desired channel and press button.
 - To modify the value for the all channels, press button and press button.

The **INS. ALARM** screen displays.

For individual channels:



For all channels:

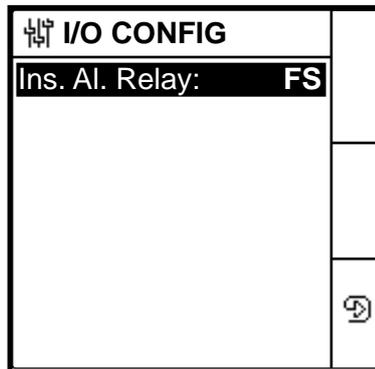


- Modify the parameters value as per the following table:
NOTE: Use the contextual menu buttons to modify the parameters value.

Parameter	Allowed Values	Default Value	Description
Ins. Alarm	50...200 kΩ	50 kΩ	Select the value of insulation alarm threshold.

Configuring input output parameters

1. Navigate to **Menu > Settings > I/O Config**.
The **I/O CONFIG** screen displays.



2. Modify the parameters value as per the following table:

NOTE: Use the contextual menu buttons to modify the parameters value.

Parameter	Allowed Values	Default Value	Description
Ins. Al. Relay	<ul style="list-style-type: none"> • Std. • FS 	FS	Select the mode of insulation alarm relay depending on the status of insulation. Refer user manual for more information.