

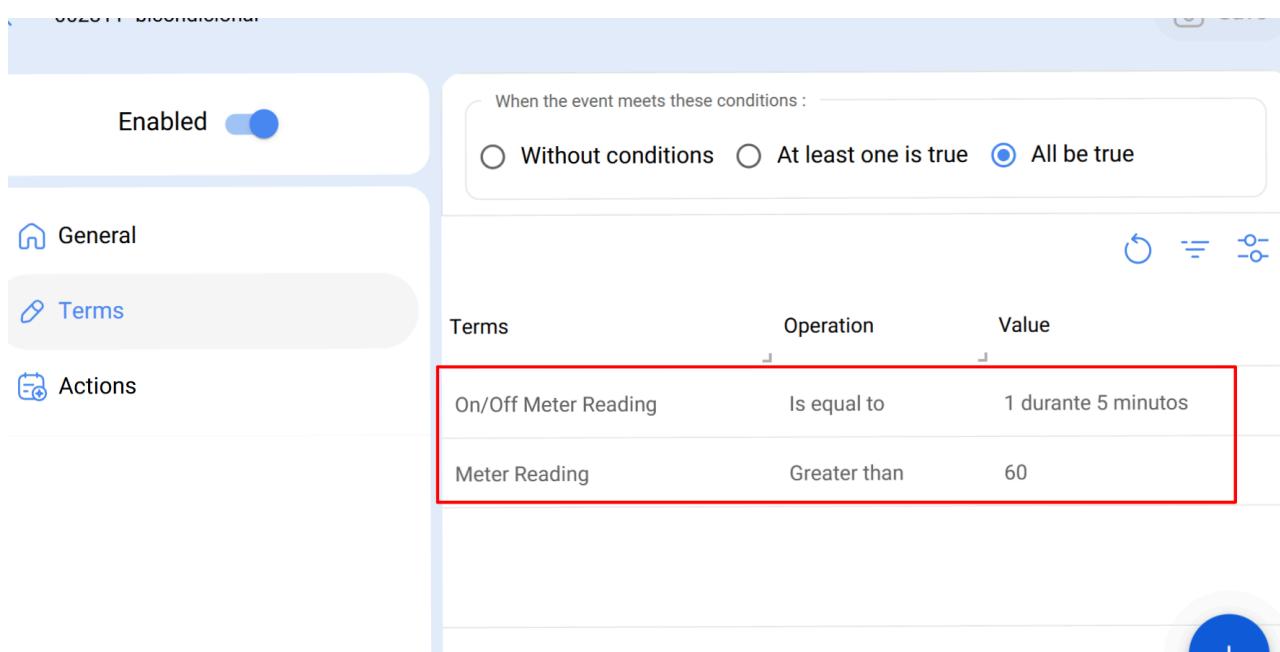
# How do Bi-conditional Alerts for Meters work in Fracttal One?

 [help.fracttal.com/hc/en-us/articles/41498503827981-How-do-Bi-conditional-Alerts-for-Meters-work-in-Fracttal-One](https://help.fracttal.com/hc/en-us/articles/41498503827981-How-do-Bi-conditional-Alerts-for-Meters-work-in-Fracttal-One)

The **bi-conditional alerts** are designed to improve monitoring accuracy, ensuring that alerts are only triggered by real deviations.

A bi-conditional alert is generated only when **two mandatory validations** are met:

- The meter reports a value outside the established range.
- That value remains constant outside the range for a specified minimum time.



When the event meets these conditions :

Without conditions  At least one is true  All be true

Terms	Operation	Value
On/Off Meter Reading	Is equal to	1 durante 5 minutos
Meter Reading	Greater than	60

This helps reduce false alerts caused by common fluctuations in equipment.

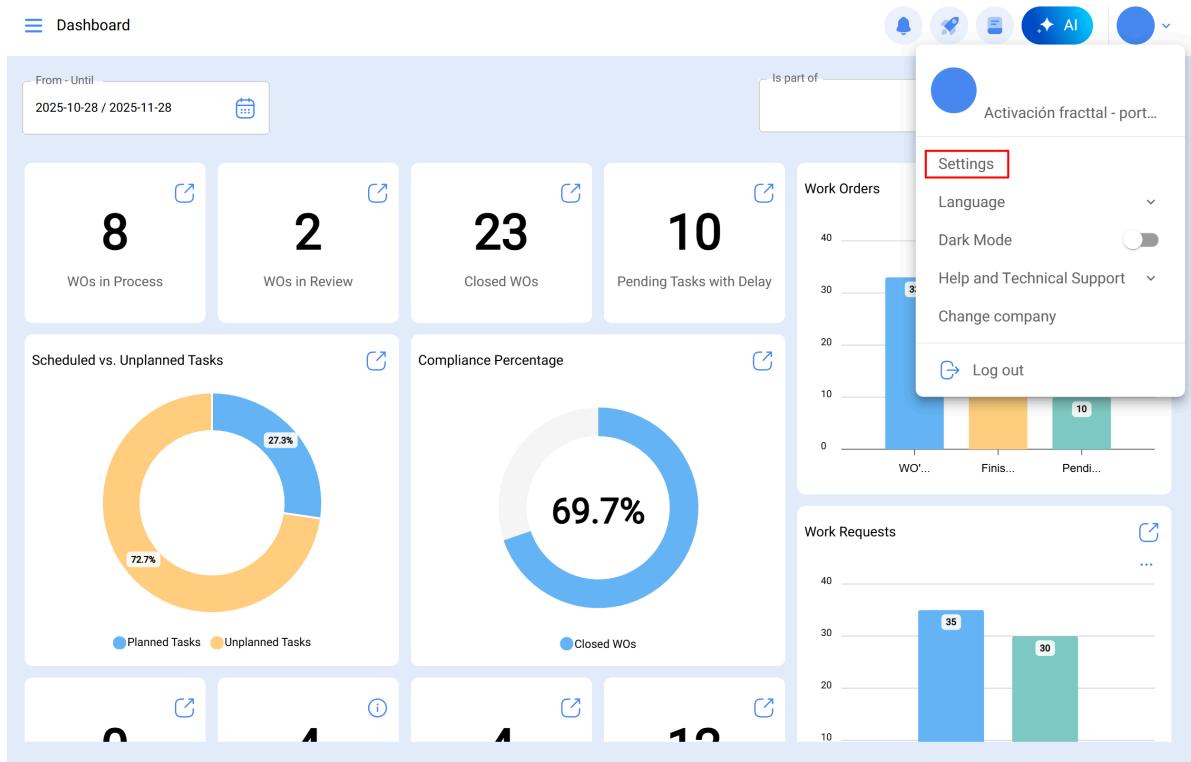
The complete process includes:

1. **Create a unit in auxiliary catalogs.**
2. **Configure the two required meters.**
3. **Set up the automator with the bi-conditional conditions.**
4. **Define the action to execute when both conditions are true.**

## How to create a unit in Auxiliary Catalogs

To use custom units in meters, you must first create them in the Auxiliary Catalogs.

## 1. Go to **Settings**.



## 2. Select **Auxiliary Catalogs**.

The left sidebar shows the following navigation options:

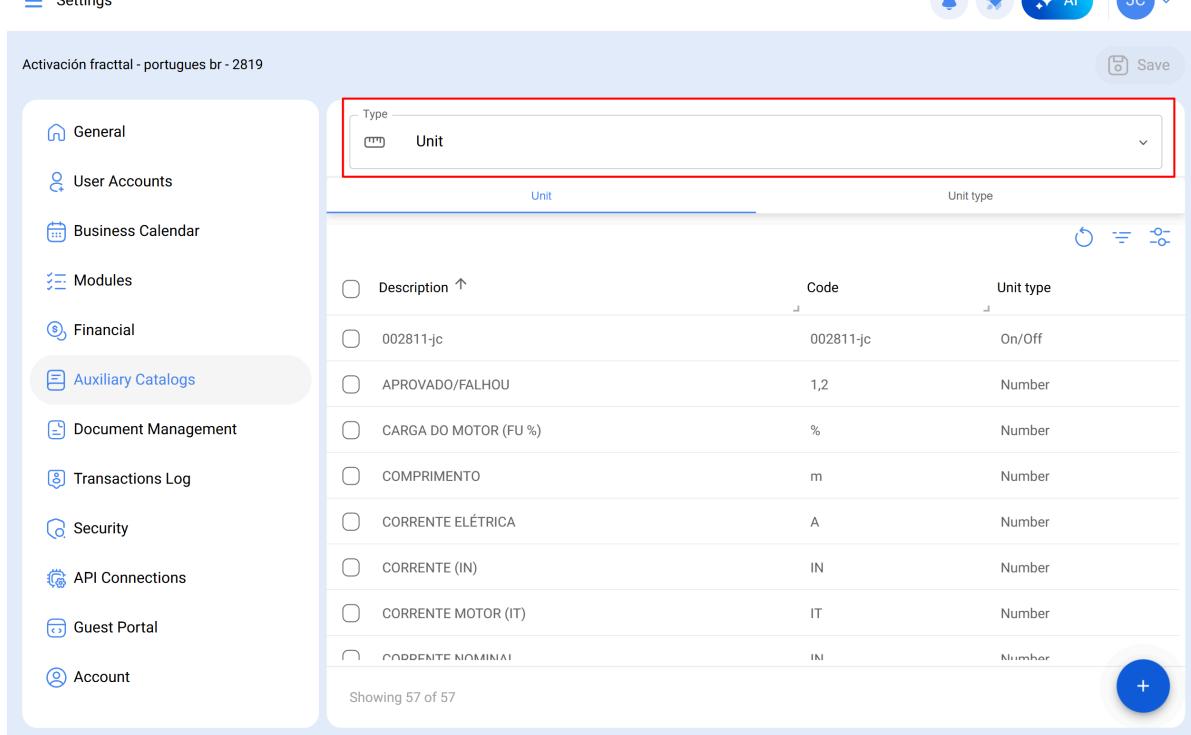
- General
- User Accounts
- Business Calendar
- Modules
- Financial
- Auxiliary Catalogs** (highlighted with a red arrow)
- Document Management
- Transactions Log
- Security
- API Connections
- Guest Portal
- Account

The main content area shows a table for the "Unit" type. The table has columns for Description, Code, and Unit type. The data is as follows:

Description	Code	Unit type
002811-jc	002811-jc	On/Off
APROVADO/FALHOU	1,2	Number
CARGA DO MOTOR (FU %)	%	Number
COMPRIMENTO	m	Number
CORRENTE ELÉTRICA	A	Number
CORRENTE (IN)	IN	Number
CORRENTE MOTOR (IT)	IT	Number
CORRENTE NOMINAL	INI	Number

At the bottom, it says "Showing 57 of 57". A blue "+" button is located in the bottom right corner of the table area.

### 3. Choose the Unit type.



Activación fractal - portugues br - 2819

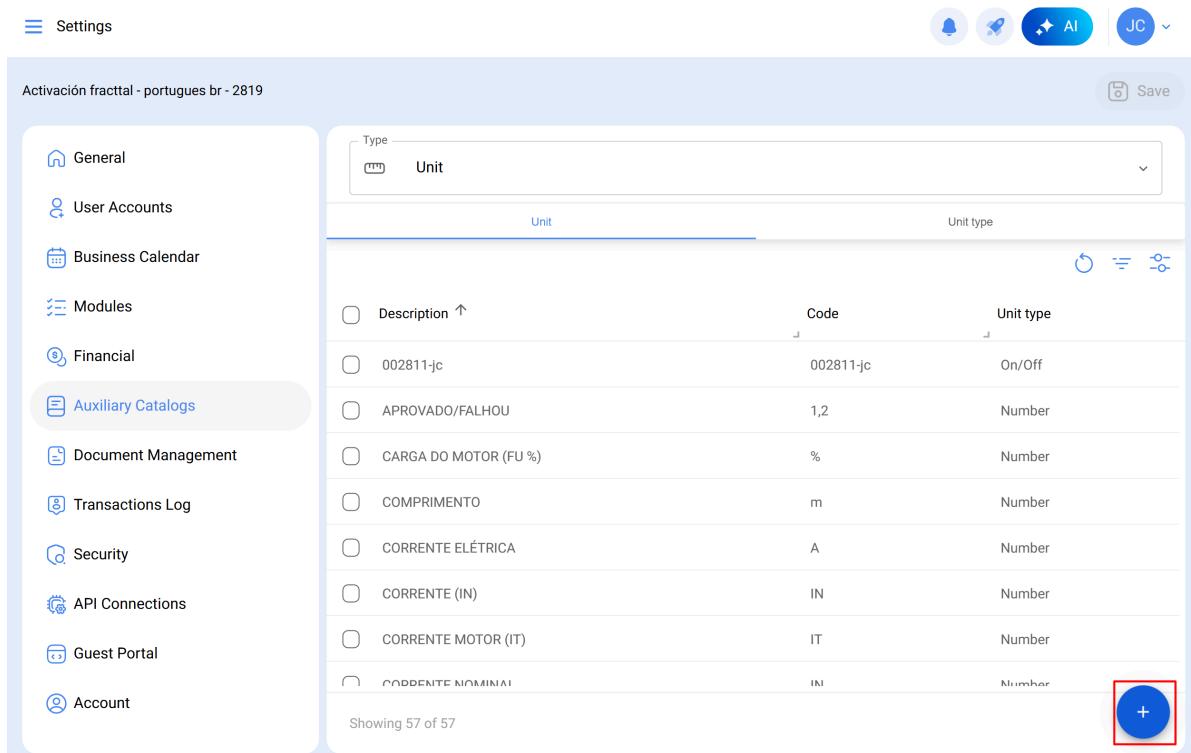
Type: Unit

Description ↑	Code	Unit type
002811-jc	002811-jc	On/Off
APROVADO/FALHOU	1,2	Number
CARGA DO MOTOR (FU %)	%	Number
COMPRIMENTO	m	Number
CORRENTE ELÉTRICA	A	Number
CORRENTE (IN)	IN	Number
CORRENTE MOTOR (IT)	IT	Number
CORRENTE NOMINAL	INI	Number

Showing 57 of 57

+

### 4. Click Add unit.



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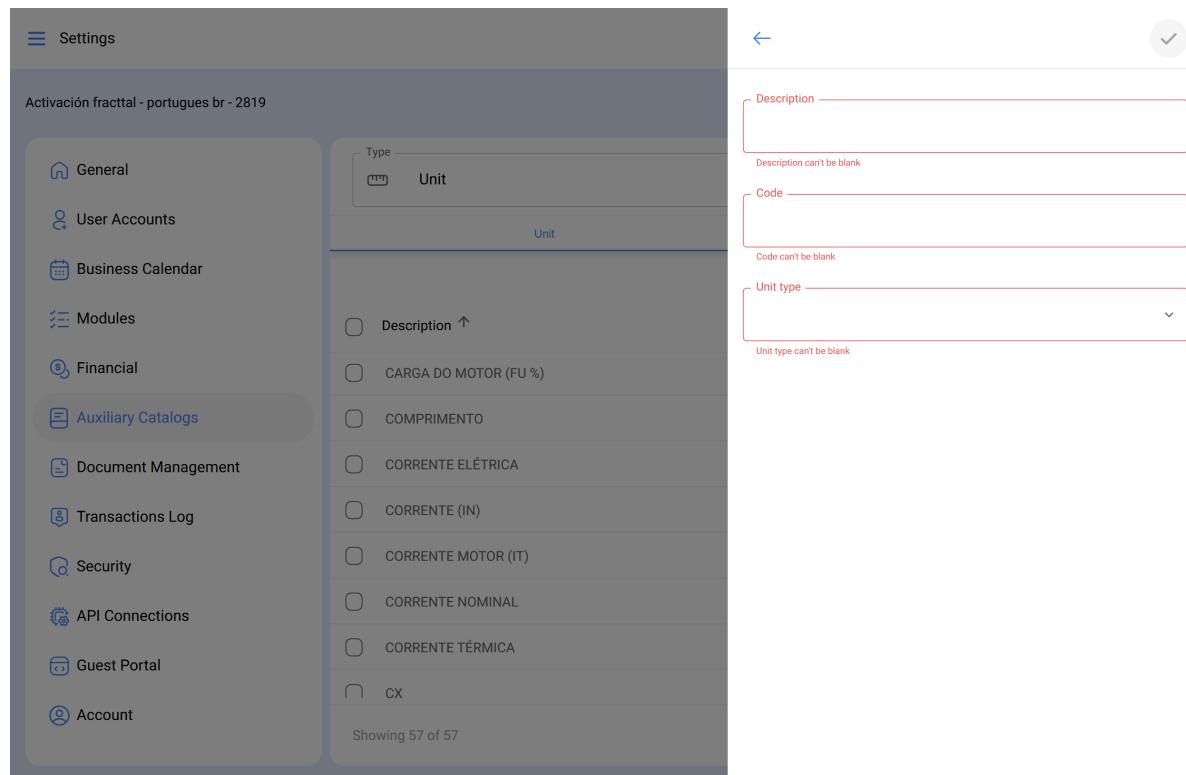
Type: Unit

Description ↑	Code	Unit type
002811-jc	002811-jc	On/Off
APROVADO/FALHOU	1,2	Number
CARGA DO MOTOR (FU %)	%	Number
COMPRIMENTO	m	Number
CORRENTE ELÉTRICA	A	Number
CORRENTE (IN)	IN	Number
CORRENTE MOTOR (IT)	IT	Number
CORRENTE NOMINAL	INI	Number

Showing 57 of 57

+

5. Enter the **description** and the **code** of the unit. In **unit type**, select **On/Off**.



Settings

Activación fractal - portugues br - 2819

General User Accounts Business Calendar Modules Financial

Auxiliary Catalogs Document Management Transactions Log Security API Connections Guest Portal Account

Type Unit

Description ↑

CARGA DO MOTOR (FU %)

COMPRIMENTO

CORRENTE ELÉTRICA

CORRENTE (IN)

CORRENTE MOTOR (IT)

CORRENTE NOMINAL

CORRENTE TÉRMICA

CX

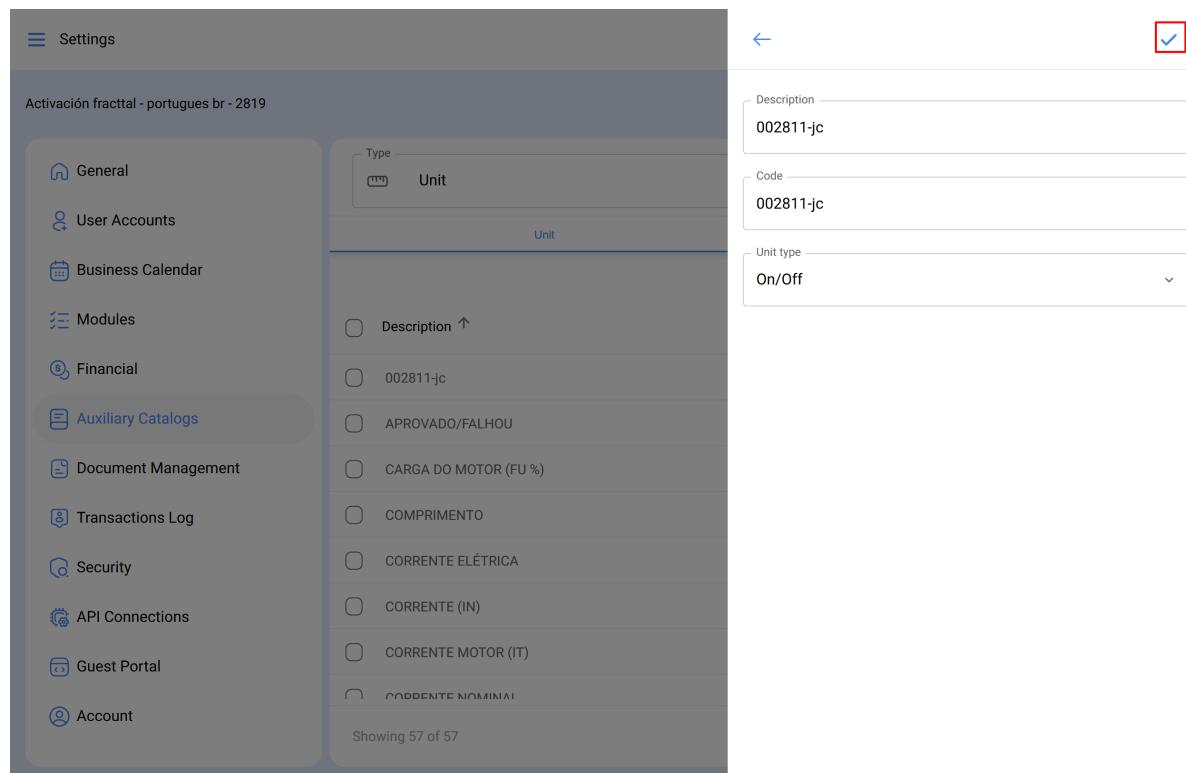
Description

Code

Unit type

Showing 57 of 57

6. Save the changes.



Settings

Activación fractal - portugues br - 2819

General User Accounts Business Calendar Modules Financial

Auxiliary Catalogs Document Management Transactions Log Security API Connections Guest Portal Account

Type Unit

Description ↑

002811-jc

APROVADO/FALHOU

CARGA DO MOTOR (FU %)

COMPRIMENTO

CORRENTE ELÉTRICA

CORRENTE (IN)

CORRENTE MOTOR (IT)

CORRENTE NOMINAL

On/Off

Description

Code

Unit type

Showing 57 of 57

## How to create meters?

After creating the unit in the auxiliary catalogs, the next step is to configure the meters that will use it. For this functionality, it is necessary to create two meters for each variable, ensuring that at least one of them is digital (On/Off).

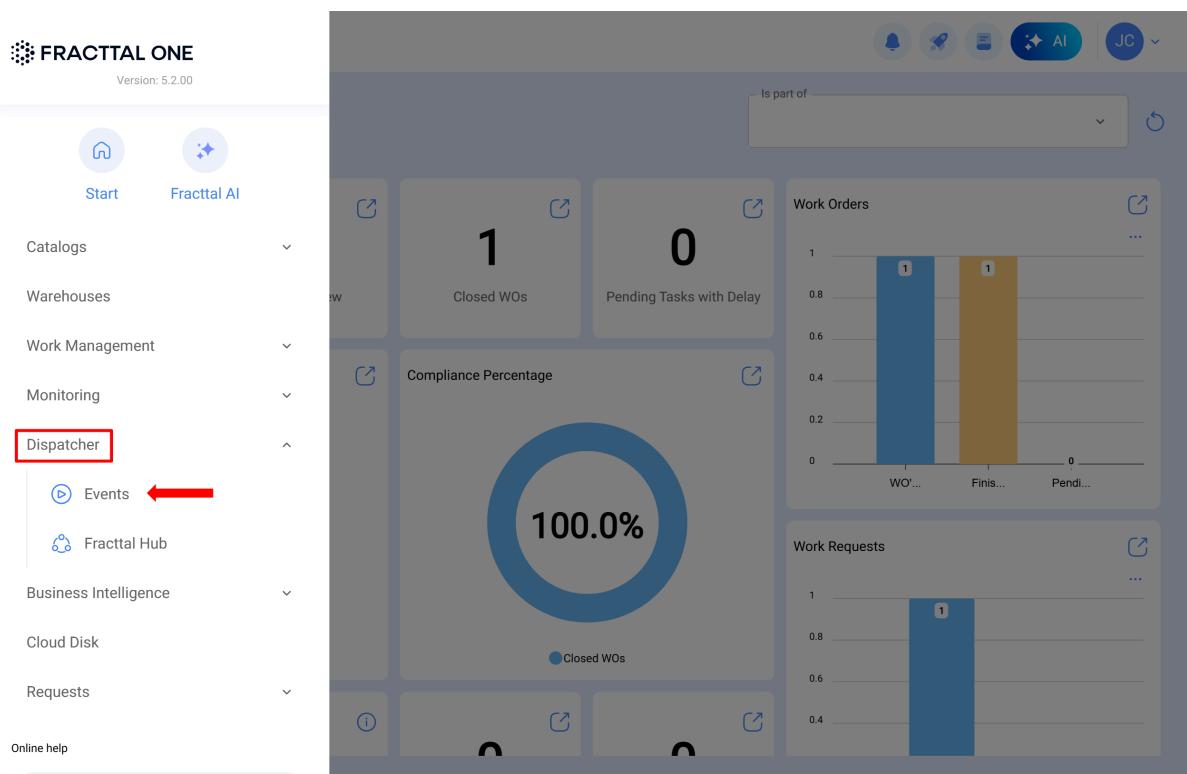
Check the following article for more details on creating meters in Fractal One: [How to create a new meter?](#)

Once the necessary meters are configured, you can create the automator that will evaluate both conditions simultaneously.

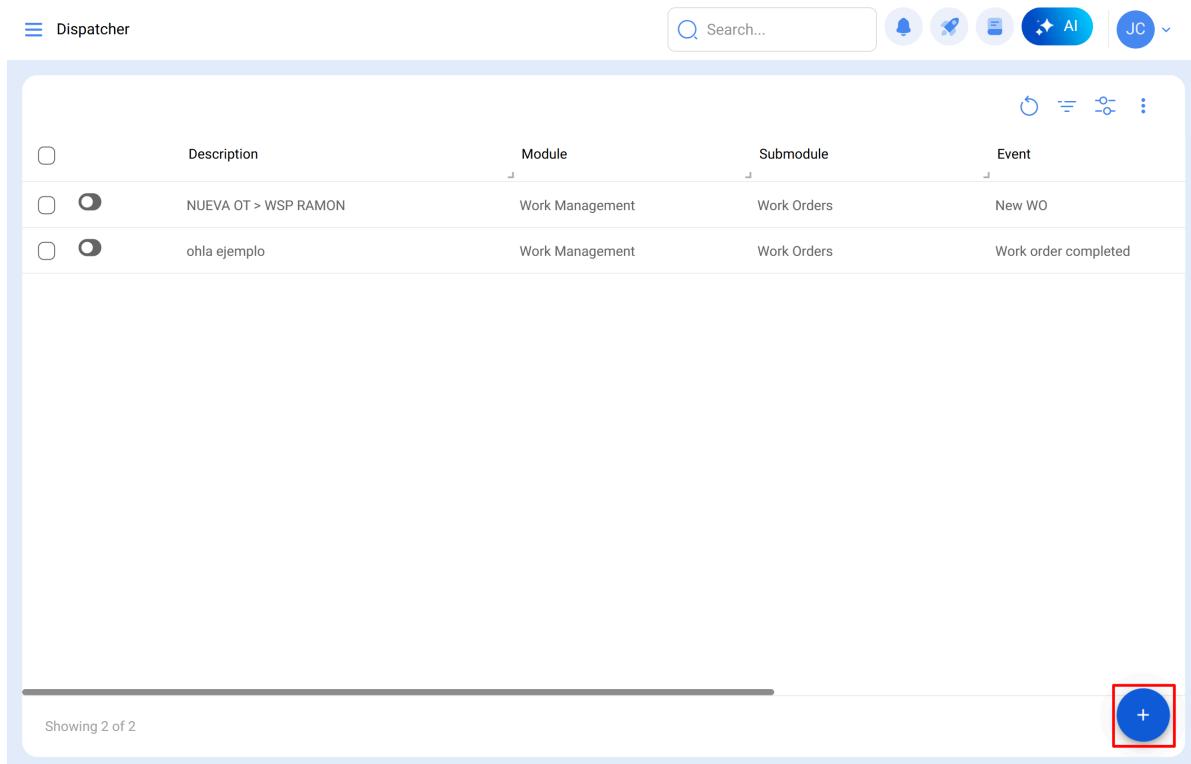
**Note:** This functionality does not allow accumulator meters.

## 1. Create a new automator

1. Access the **Automator** module and open the **Events** section.



2. Click **Add automator**.



The screenshot shows the Dispatcher interface with a search bar and various icons at the top. Below is a table listing automators:

	Description	Module	Submodule	Event
<input type="checkbox"/>	NUEVA OT > WSP RAMON	Work Management	Work Orders	New WO
<input type="checkbox"/>	ohla ejemplo	Work Management	Work Orders	Work order completed

At the bottom right of the table is a blue button with a white plus sign, which is highlighted with a red box. The text "Showing 2 of 2" is visible at the bottom left of the table.

3. In **Module**, select **Monitoring**.

4. In **Submodule**, choose **Meters**.

5. In **Event**, select **Reading out of range**.

6. Enter a description that clearly identifies the automator's function.

7. Save the changes.

← 002811- bicondicional

Save

Enabled

*i* Information

You have pending changes to save!

General

Terms

Actions

Module	Monitoring	Submodule	Meters
Event	Out of range reading	Description	002811- bicondicional

## 2. Configure the bi-conditional conditions

Select the option **All are true**, since both conditions must be met to trigger the alert.

← 002811- bicondicional

Save

Enabled

General

Terms

Actions

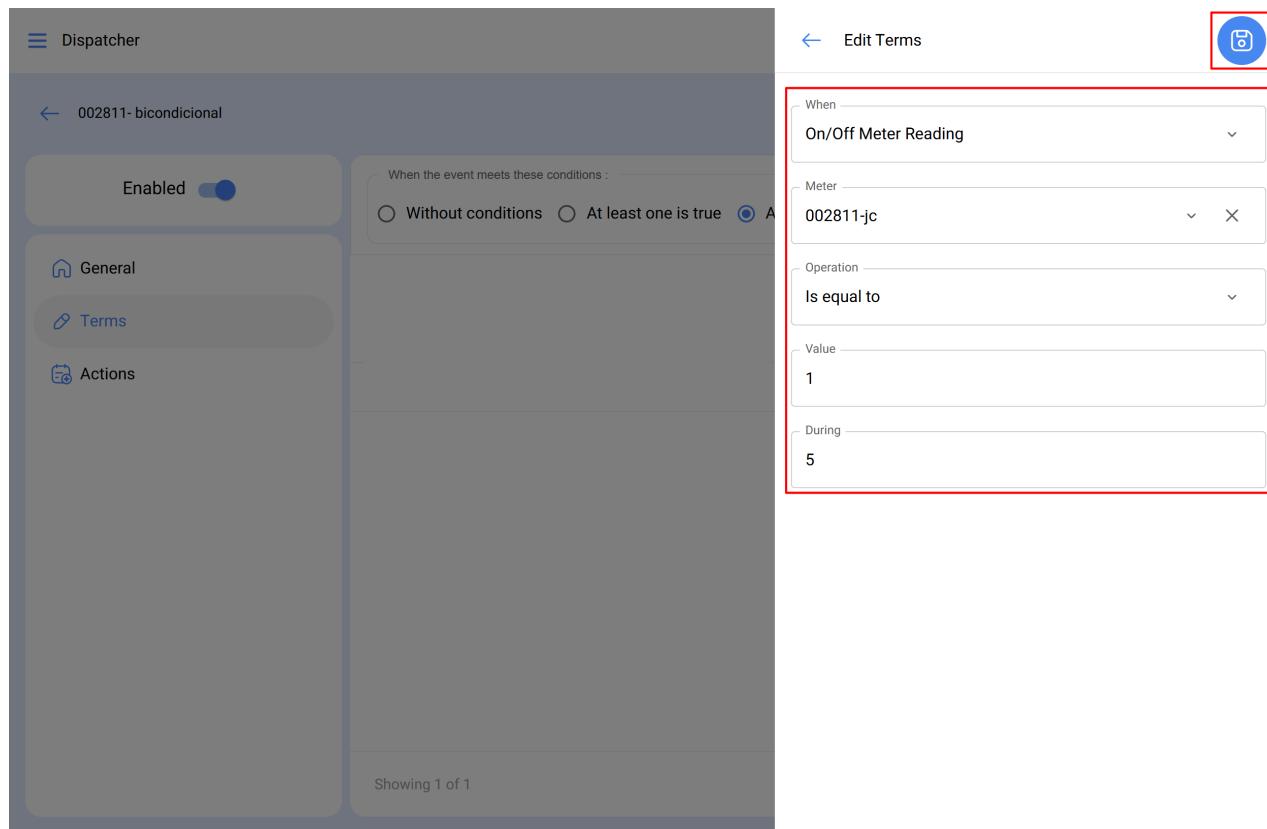
When the event meets these conditions :

 Without conditions  At least one is true  All be true

Showing 1 of 1

## Condition 1 – Remaining out of range

- **When:** Meter reading (On/Off)
- **Meter:** Select the previously created meter
- **Operation:** Select the option **Is equal to**
- **Value:** Enter the corresponding value
- **During:** Minimum time the door remains open or the state stays active



This condition checks the continuity of the out-of-range state for a minimum period.

## Condition 2 – Value over the allowed limit

- **When:** Meter reading
- **Meter:** Select the second previously configured digital meter
- **Operation:** Select the option **Greater than**
- **Value:** Enter the corresponding limit value (for example, X degrees)

The image shows two screens from a mobile application. The left screen is titled 'Dispatcher' and shows a configuration for a rule named '002811- bicondicional'. It has an 'Enabled' switch turned on. The 'Terms' tab is selected, showing a list of terms: 'Terms', 'Meter Reading', and 'On/Off Meter Reading'. The 'Actions' tab is also visible. The right screen is titled 'Add Terms' and shows a detailed configuration for a term. It has a red border around the 'When' section. The 'When' section includes fields for 'When' (set to 'Meter Reading'), 'Meter' (set to '002811-jc002digital'), 'Operation' (set to 'Greater than'), and 'Value' (set to '60'). There is a blue circular icon with a camera symbol in the top right corner of the right screen.

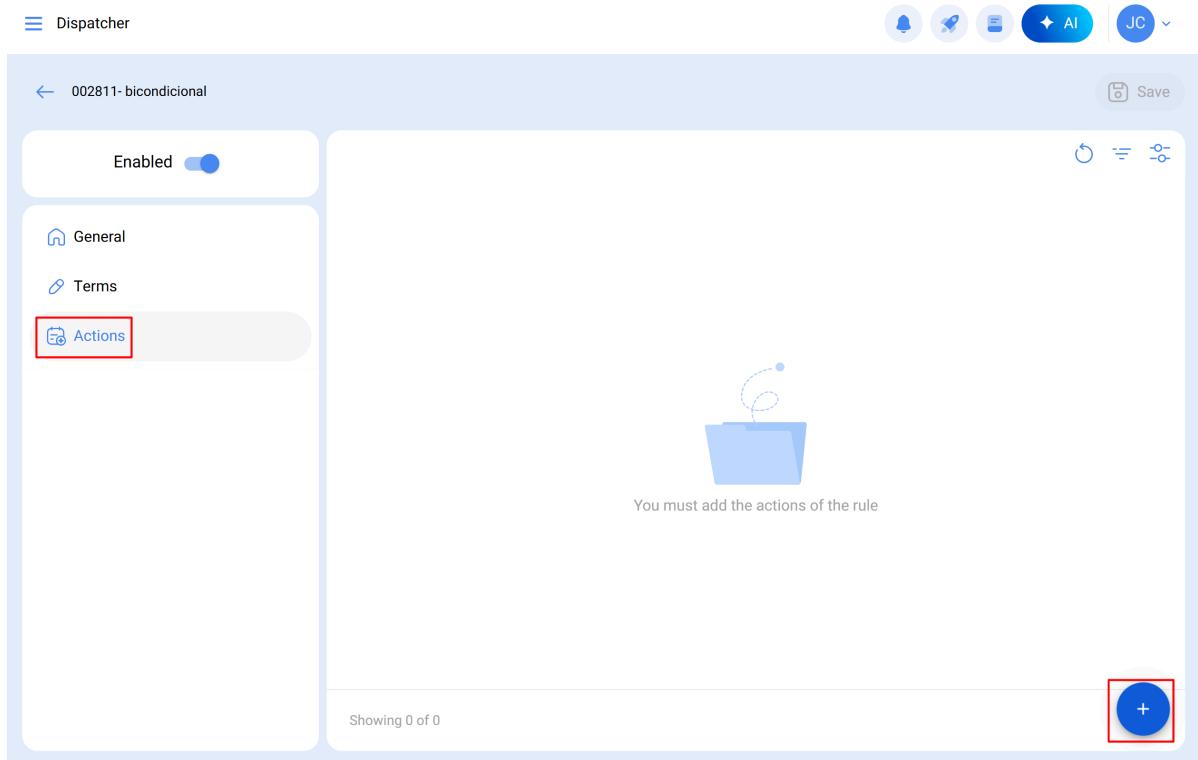
This condition validates that the current meter value exceeds the established limit.

### 3. Configure the actions

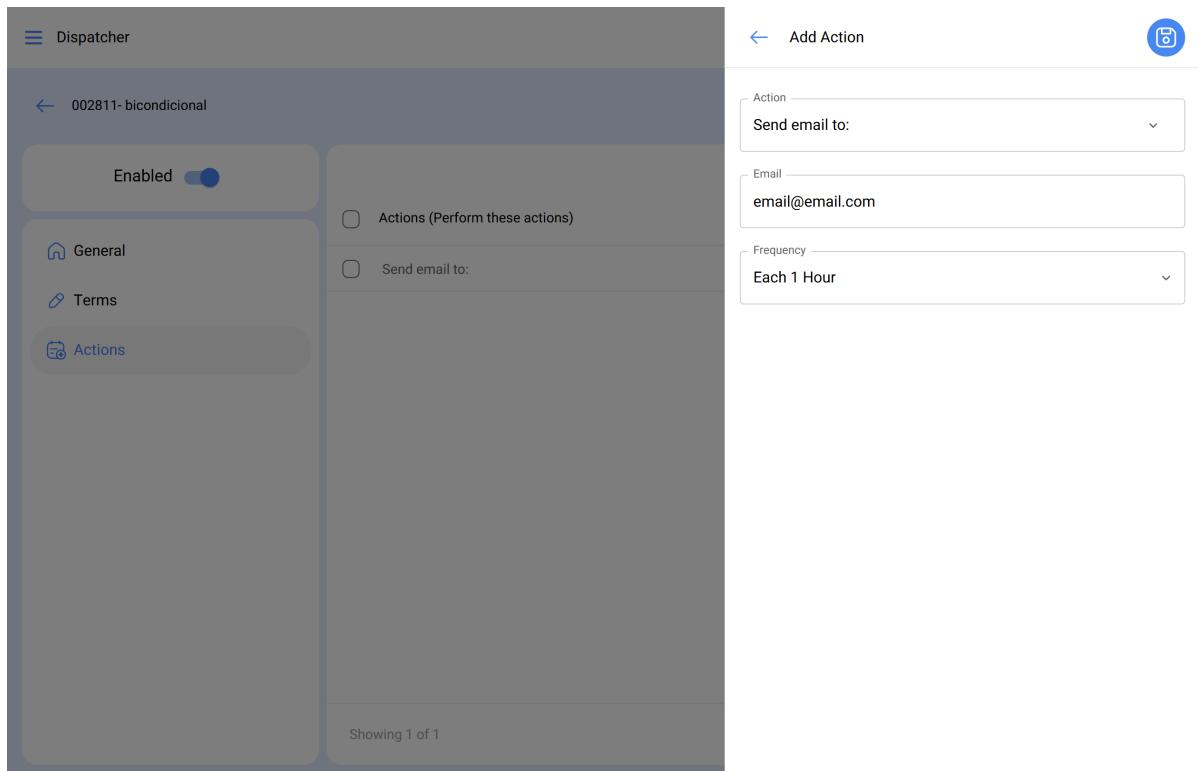
Define what should happen when both conditions are met.

## Action: Email notification

1. In **Actions**, select **Send email**.



2. Enter the email address that will receive the alert.



3. Save the automator.

Dispatcher

002811- bicondicional

Enabled

General

Terms

Actions

Actions (Perform these actions)

Send email to:

Showing 1 of 1

Add Action 

Action — Send email to:

Email —

Frequency — Each 1 Hour