



IDP Electronic ID Products LTD

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Cellular Alerts Controller



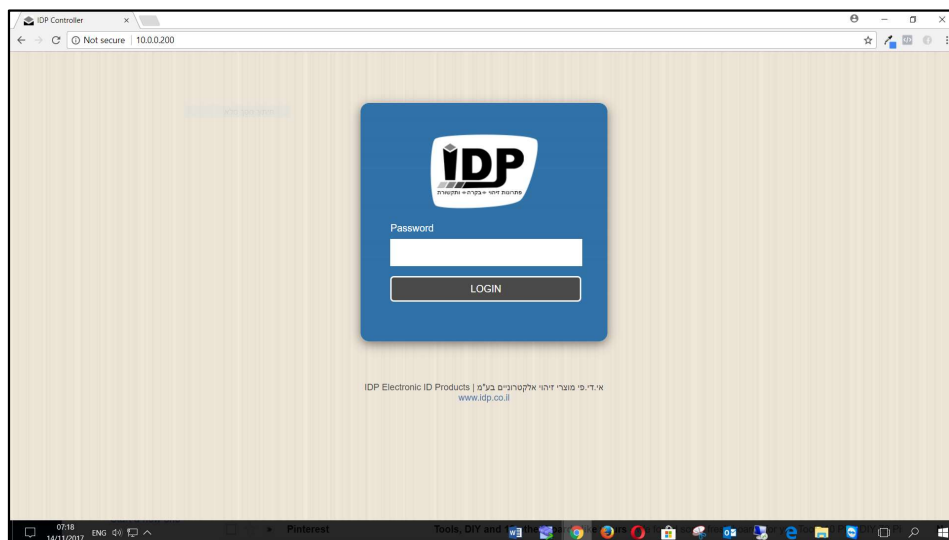
Controller Web Interface

You can get to the controller interface by typing its IP address in the web browser, we recommend using a Google Chrome web browser. You can also get to the interface using your mobile phone as long as it is connected to the same network.

The default IP address of the controller is 10.0.0.200

In order to change the IP address of the controller use DS Manager (see appendix A' **Connecting to the controller through the LAN**)

The default password in the Login page is blank.

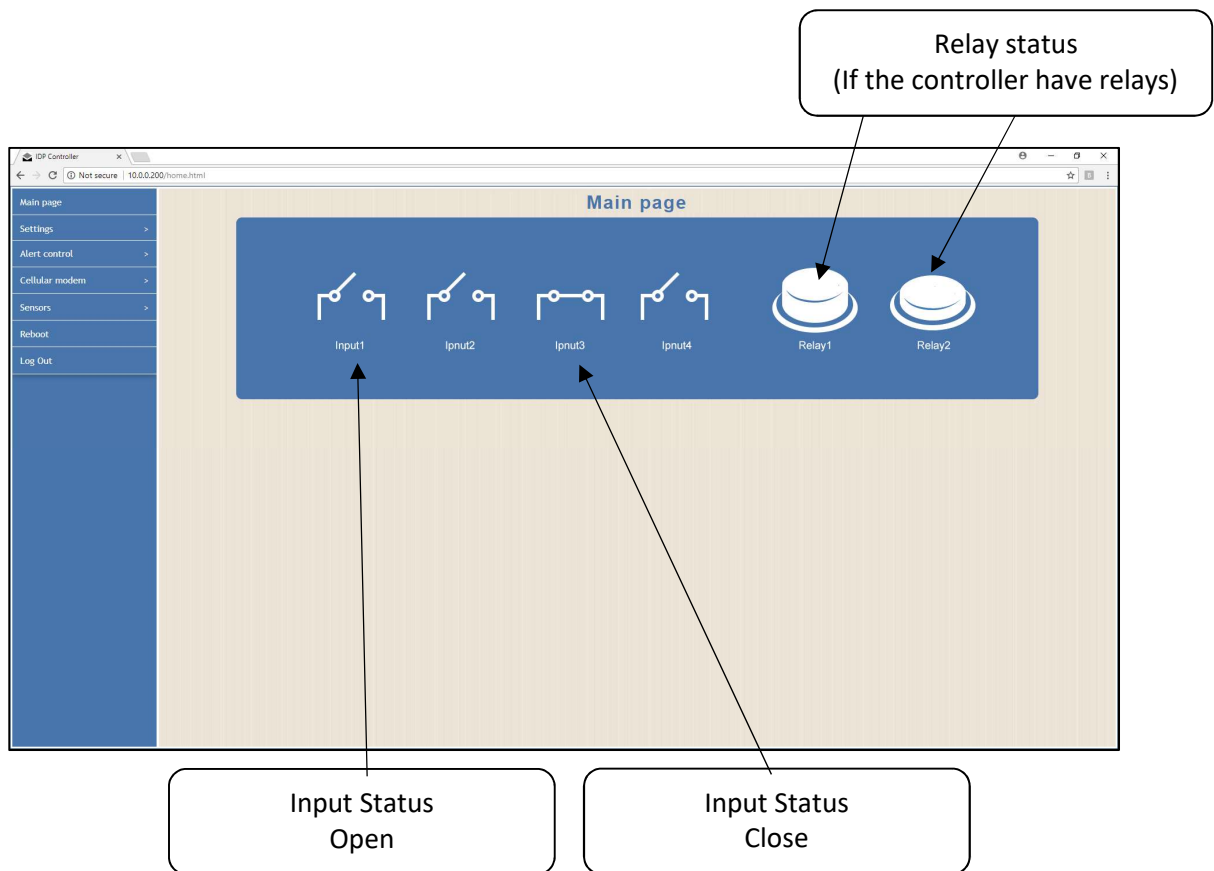


Main Page

Menu > Main Page

In this quick access page you can see the main shortcuts, buttons and indicators. In this page you can see the status of all inputs of the controller. The number of inputs can change from one controller to the other, depends on the needs of the customer.

In addition, you can see the status of all relays and to open or close them – it might be that in your controller there is a different number of relays or that there are no relays at all.



General Settings

Menu > Settings > General Setting

Owner name (User account)	<input type="text"/>
Device name (Device account)	my temperature
Device ID	0
AggreGate Server connection	Enabled ▼
AggreGate Server IP	10.0.0.25
AggreGate Server port	6480
Language	English ▼
Device General Message	<input type="text"/>
Daily SMS Time (hh:mm)	00:00
Daily Email Time (hh:mm)	00:00
Daily Reset Time (hh:mm)	00:00

SAVE RELOAD

Attention: Aggregate Server is a Cloud server that enables remote control. **This server is not active.** For more details about Cloud Services, please contact IDP.

Device General Message:

In this field you can write text that will be sent by the controller right after dialing to. You can set a fixed message like "I am alive" or you can integrate a code on the message like \$D, \$T that will send the date & time. If you choose to leave the field blank, the default SMS Message that the controller will send will include several details (See the Shortcuts Table).

Daily SMS Time:

The controller will send a daily SMS message in the hour that you will log in this field. If you don't want to get a daily SMS message from the controller, leave the hour at 12:00 AM or 00:00

Daily Email Time:

The controller will send a daily an Email message in the hour that you will log in this field. If you don't want to get a daily Email message from the controller, leave the hour at 12:00 AM or 00:00

Daily Reset:

This option enable you to set a regular hour daily for automatic reset (with no loss of data). If you don't want to that the controller will do a daily reset leave the hour at 12:00 AM or 00:00

Input Names

Menu > Alert control > Inputs > Inputs Names

The screenshot shows a configuration page titled "Inputs names". It contains two input fields. The first is labeled "Input name 1" and contains the text "power". The second is labeled "Input name 2" and contains the text "flood detector". Below these fields are two buttons: "SAVE" and "RELOAD".

This option enables to give a name to each of the inputs. The name will be shown only in the home page of the controller.

If the controller contain relays it's possible to give a name for each of the relays. The name will be shown only in the home page of the controller.

Press **Save** in order to save the new settings.

Input Alert

Menu > Alert control > Inputs > Inputs Config

The screenshot shows a configuration page titled "Inputs Config" for the "Power" input. It contains several settings:

- Input Default Mode: Normally Open
- Main page icon: General
- Warning Delay (Seconds): 0
- Open Relay: Disabled
- Continuous Beep: Disabled
- Start Alert: SMS
- Start Message: power alert!
- End Alert: SMS
- End Message: the power is back
- Nagger Time: 10

At the bottom of the page are two buttons: "SAVE" and "RELOAD".

First, you have to choose the input in the first field.

Input Default Mode:

There are two options - NO (Normally Open) or NC (Normally Close). When the input status is set as NO, the alert will be sent when there is a contact. When the input status is set as NC, the alert will be sent when there is no contact.

Main Page Icon:

You can choose the icon of the input that will be shown on the main page.

Warning Delay:

The controller will send an alert only after the number of seconds that defined in here.

Open Relay:

This option will activate a relay once there is an alert.

Continuous Beep:

If this field is marked as ON, the controller will beep once there is an Alert.

Start Alert:

Here you should choose the type of alert you wish to get from the controller. The options are: Off, SMS Message or a Phone Call.

Start Message:

In this field you should write the text that will be sent in the SMS Message in case of alert. This option should be used only if the option of SMS Message was chosen in the Start Alert Field.

End Alert:

Here you should choose the type of message you wish to get when the alert will turn off. The options are: Off, SMS Message or a Phone Call.

End Message:

In this field you should write the text that will be in the SMS Message that will be sent once the alert will turn off. This option should be used only if the option of SMS Message was chosen in the End Alert Field.

Snooze:

The controller can send an alert every few minutes. The minimum time that can be defined between every 2 alerts is 5 minutes. This option can be cancelled by entering the value 0 in this field, the user can stop the snooze by sending SMS to the controller with the text: IDPSTN.

Save:

You should press this button in order to save the settings.

It's possible to add to the alert message additional parameters using different commands (see the relevant chapter in this manual)

Setting Phone Numbers

Menu > Cellular Modem > Phone Numbers

Field Label	Value
Phone Manager	035617395
Phone Number 1	
Phone Number 2	
Phone Number 3	
Phone Number 4	
Phone Number 5	
Phone Number 6	
Phone Number 7	
Phone Number 8	
Phone Number 9	

SAVE RELOAD

In the following fields you should enter all the phone numbers that will get the alerts. You can enter up to 10 phone numbers.

The Manager Phone Number must be filled.

The controller will send the alerts to all the phone numbers in this list as their sequence.

Press **Save** in order to save the new settings.

Network Settings

Menu> Settings> Network settings

IP-address	<input type="text" value="10.0.0.236"/>
Gateway IP	<input type="text" value="10.0.0.138"/>
Subnet mask	<input type="text" value="255.255.255.0"/>
Local Port	<input type="text" value="1001"/>
Primary DNS	<input type="text" value="8.8.8.8"/>
Secondary DNS	<input type="text" value="4.2.2.1"/>
<input type="button" value="SAVE"/> <input type="button" value="RELOAD"/>	

This page is for the Network Settings.

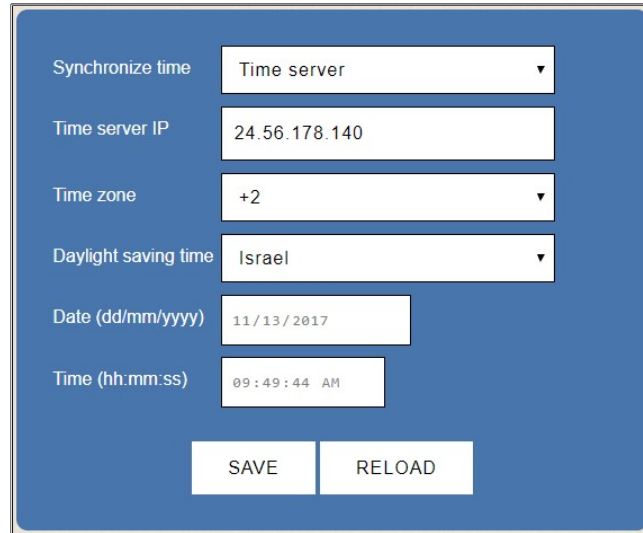
If the controller IP address is not in the same address range of the LAN, the controller will not be found. In such case one has to match the IP address of the controller to the network range. Use DS Manager for this.

See appendix A **Connecting to the Controller through the LAN.**

Press **Save** in order to save the new settings.

Setting Date & Time

Menu > Settings > Date & Time



Synchronize time	Time server ▼
Time server IP	24.56.178.140
Time zone	+2 ▼
Daylight saving time	Israel ▼
Date (dd/mm/yyyy)	11/13/2017
Time (hh:mm:ss)	09:49:44 AM

SAVE RELOAD

Synchronizing Time:

Setting the date and time automatically can be done by synchronizing through the cellular network or by an internet time server.

Time Server:

The controller can be connected to a timer server in the internet network. This option is recommended when there is an access to the internet.

Cellular Network:

If the controller have a cellular modem of IDP, it can be defined that the synchronization of the date and time will be done automatically using the cellular network. In order to make this happen, the controller has to be connected to a cellular network.

Off:

When this option is used, the date & time will be defined manually by the user.

Time Server IP:

If the controller has an access to the internet, it is recommended to synchronize the date & time against the IP address 77.235.14.49

Time Zone:

For Israel choose +2

For other areas in the world use time zone map to find the relevant time zone.

Daylight Saving Time:

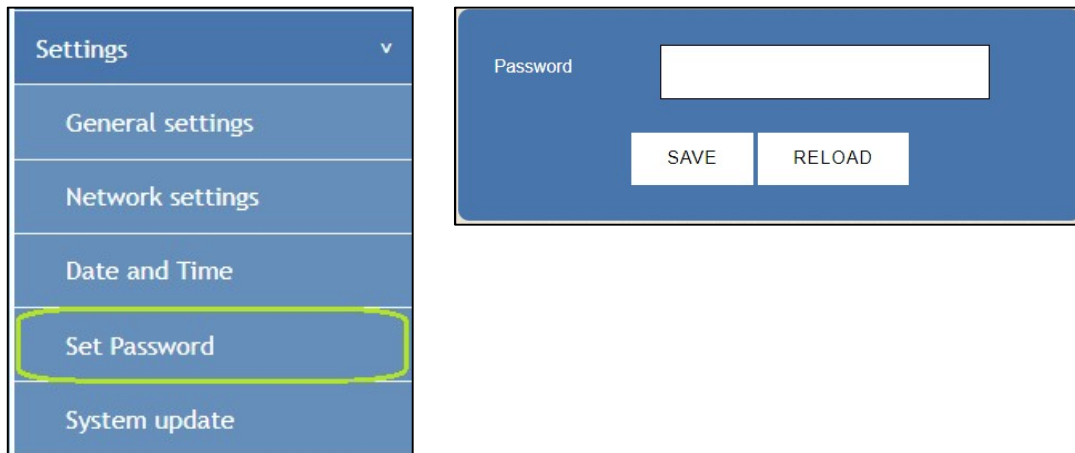
Select if a DST is on or off, and also choose if the time will be adjusted to Israel, Europe or USA.

Note!

If the controller has no connection to the internet there might be a deviation of up to 60 minutes per 1 year.

Setting Up a Password

Menu > Settings > Set Password



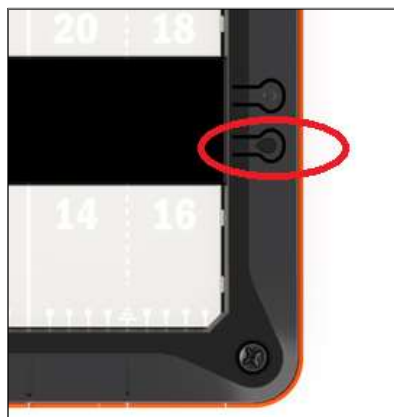
You might want to change the password for the management interface of the controller.

After setting the password make sure to press **Save** - to save the password. In order to cancel the password leave the field empty and press Save button.

Resetting the Password

In order to reset the password to its default value (blank field) you can press the physical button marked with the letter **M** for 30 seconds. When you hear the Beep sound, it means that the reset is done.

The **M** button is on the front of the controller on its right side - the lower button of the two as you can see in this picture:



System Update

Menu> Settings> Set Password

In this page you can load a new version of the controller system. However, this action should be done only under instruction of IDP Support personnel.

Note: this action erases all the data which is stored in the controller. A backup of the setting should be done before system update.

Remotely Reboot the Controller

Menu> Reboot



Press Reboot> OK

The controller will reboot.

Logout

Menu> Logout



Press the Log Out button in order to exit the user interface.

Cellular Commands

When a user which is defined in the phone list of the controller (**Menu> Cellular Modem> Phone Numbers**) calls to the controller, it will disconnect the call and rather will send a status message.

Also, you can send an SMS Message to the controller with the command **IDPRDI** and to get in return a status message.

Here is an example of a status message:

At time: 16:33 I1=Active, I2=Active, I3=Active, I4=Active, Signal Strength=25

How to set the inputs in the Controller using SMS Message

You can set the inputs using SMS message rather using the user interface.

Here is the command:

IDPINPXXNOBRYYNZZSWEQ,SSSSSS,EEEEEE

XX	The input number (2 digits) (required value)
NC/NO	Is the input is NO or NC (required value)
B	The controller will beep as long as there is an alert (if you omit the B the controller will not beep in case of alert)
NZZ	Snooze – the value should be between 05 to 60 minutes (2 digits)
S	Alert action (Start)
W	0 (Off), 1 (SMS), 2 (Call)
E	Alert action (End)
Q	0 (Off), 1 (SMS), 2 (Call)
SSSSSS	The text that will be sent in the Start Message
EEEEEE	The text that will be sent in the End Message

Example for a command:

IDPINP03NCBN20S1E2,GATE IS OPEN

03	Input No. 3
NC	Normally Closed
B	The controller will beep when the input will open
N20	Snooze every 20 minutes
S1	SMS Message will be sent when the event will begin
E2	The controller will call once the event will end
Comma (,)	
GATE IS OPEN	This is the text that will be sent once the event begins

If you want to get SMS Message when the event ends instead of a phone call, you should send the E1 instead of E2. You also need to add the text of the message when it's separated with a comma from the text of the Start Message.

- Not all the parameters are required. The one that are required are indicated with the words "required value".

Shortcuts Table

Date	\$D
Time	\$T
Week Day	\$W
Serial Number	\$N
Controller Version	\$V
Relay Number	\$R# #
Signal Strength	\$S
Boot Time	\$B
Message Time	\$M
Input	\$I# #

Appendix A: Connecting to the controller through the LAN


1. Connect the controller to the LAN using a Networking cable and supply it with 12VDC.
2. In order to make sure the controller is in the correct address range download DS Manager Software from IDP site.


For 32bit PC: <http://idp.co.il/vault/files/tdst-5-09-10-x86.zip>

For 64bit PC: <http://idp.co.il/vault/files/tdst-5-09-10-x64.zip>

Start> All Programs> Tibbo <Tibbo Device Server Toolkit <DS Manager
After the DS Manager is up a list of all of IDP controllers will appear.

Make sure the address of the controller is in the addresses range of your LAN.

 Grayed icon - The address of the controller is out of the addresses range of the LAN

 Blue icon - The address of the controller is inside the addresses range of the LAN

To put the controller IP address inside the LAN address range: mark the device by one click on the list in DS Manager and press Change IP button.

