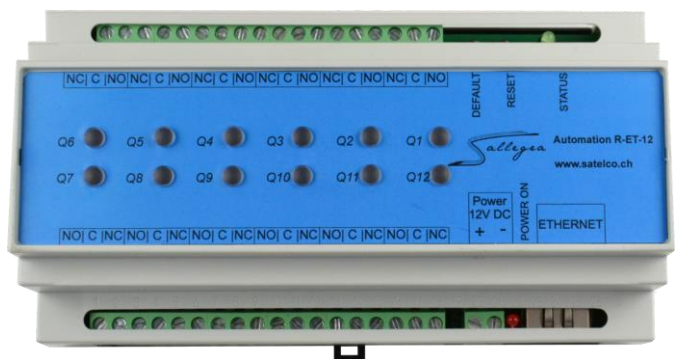




## IP Relay Module «R-ET-4» & «R-ET-12»

### User manual



Version 01.10 / 13.07.2016

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## 1. GENERAL

The *IP relay «R-ET-4 (12)» Sallegra Automation Module* has a built-in web server which can be addressed by means of the IP via the standard port 80.

- The preset default password is: **admin**
- The preset default IP address is: **192.168.1.100**

In the download area under [satelco.ch](http://satelco.ch) you can download the current “Sallegra Explorer”, a platform-independent software tool and use it to identify and reconfigure your device in the network or update the firmware of the device.

The devices can also be controlled via HTTP-GET commands and SNMP 1.0. The corresponding Syntax is listed below. You also find there a complete standard response of the device to commands.

The HTTP-GET commands which are mentioned in this paper are marked in blue, the XML responses of the device in red.

## 2. SYNTAX / POSSIBLE COMMANDS

### Commands for receiving all data/status/values as XML

Command: [http://IP of device/current\\_state.xml?pw=admin](http://IP of device/current_state.xml?pw=admin)

Response of the device to this command:

```
<CurrentState>
<Relay1>
<Name>RELAY1</Name>
<State>0</State>
</Relay1>
<Relay2>
<Name>RELAY2</Name>
<State>0</State>
</Relay2>
<Relay3>
<Name>RELAY3</Name>
<State>0</State>
</Relay3>
<Relay4>
<Name>RELAY4</Name>
<State>0</State>
</Relay4>
<Bank1>
<BankStatus>disabled</BankStatus>
<BankDir>stop</BankDir>
</Bank1>
<Bank2>
<BankStatus>disabled</BankStatus>
<BankDir>stop</BankDir>
</Bank2>
<MAC>7C:B1:77:00:00:08</MAC>
</CurrentState>
```

Examples for defining individual values for the different outputs:

Setting Relay 1 to "ON":	<a href="http://IP of device/current_state.xml?pw=admin&amp;Relay1=1">http://IP of device/current_state.xml?pw=admin&amp;Relay1=1</a>
Setting Relay 1 to "OFF":	<a href="http://IP of device/current_state.xml?pw=admin&amp;Relay1=0">http://IP of device/current_state.xml?pw=admin&amp;Relay1=0</a>
Setting Relay 2 to "ON":	<a href="http://IP of device/current_state.xml?pw=admin&amp;Relay2=1">http://IP of device/current_state.xml?pw=admin&amp;Relay2=1</a>
Setting Relay 2 to "OFF":	<a href="http://IP of device/current_state.xml?pw=admin&amp;Relay2=0">http://IP of device/current_state.xml?pw=admin&amp;Relay2=0</a>

Examples of switching combinations:

Setting Relays 1 & 3 to "ON" and 2 & 4 to "OFF":  
[http://IP of device/current\\_state.xml?pw=admin&Relay1=1&Relay2=0&Relay3=1&Relay4=0](http://IP of device/current_state.xml?pw=admin&Relay1=1&Relay2=0&Relay3=1&Relay4=0)

Relay = 1 – 4 (12)

Possible values of the relays: 0 or 1 (0 = off, 1 = on)

### 3. BANK FUNCTION

Bank function is a lock between 2 relays, so that these 2 relays cannot be switched on simultaneously. This is important for example, for blinds, shutters, etc. Below you see the connection between relay and "banking function" via the web interface.

## Relays

Relay	Description	Bank Function
Relay 1	RELAY1	<input checked="" type="checkbox"/>
Relay 2	RELAY2	<input checked="" type="checkbox"/>
Relay 3	RELAY3	<input type="checkbox"/>
Relay 4	RELAY4	<input type="checkbox"/>

## Monitoring & Control

Relays			
RELAY1	RELAY2	RELAY3	RELAY4
Off ▼	On ▼	Off ▼	Off ▼
<input type="button" value="Up"/> <input type="button" value="Stop"/> <input type="button" value="Down"/>		<input type="button" value="Up"/> <input type="button" value="Stop"/> <input type="button" value="Down"/>	

When the «Bank Function» is activated, you can see Relay 1 & 2 are not active for switching over the dropdown button. In this case you can use only the UP/STOP/DOWN buttons.

## Activate «Bank Modus» with HTTP GET

### R-ET-4 et R-ET-12:

Relay1 & Relay2 interdependent: [http://IP of device /current\\_state.xml?pw=admin&BankStatus1=enabled](http://IP of device /current_state.xml?pw=admin&BankStatus1=enabled)  
Relay3 & Relay4 interdependent: [http://IP of device /current\\_state.xml?pw=admin&BankStatus2=enabled](http://IP of device /current_state.xml?pw=admin&BankStatus2=enabled)

### Only R-ET-12:

Relay5 & Relay6 interdependent: [http://IP of device /current\\_state.xml?pw=admin&BankStatus3=enabled](http://IP of device /current_state.xml?pw=admin&BankStatus3=enabled)  
Relay7 & Relay8 interdependent: [http://IP of device /current\\_state.xml?pw=admin&BankStatus4=enabled](http://IP of device /current_state.xml?pw=admin&BankStatus4=enabled)  
Relay9 & Relay10 interdependent: [http://IP of device /current\\_state.xml?pw=admin&BankStatus5=enabled](http://IP of device /current_state.xml?pw=admin&BankStatus5=enabled)  
Relay11 & Relay12 interdependent: [http://IP of device /current\\_state.xml?pw=admin&BankStatus6=enabled](http://IP of device /current_state.xml?pw=admin&BankStatus6=enabled)

### Values Bank

BankStatusN: enabled, disabled (N=BankNumber on "R-ET-4" 1...2 and for "R-ET-12" 1...6)

## Activate relays in «Bank modus» with HTTP GET

Set the Relay in Bank1 to "UP": [http://IP of device/current\\_state.xml?pw=admin&BankDir1=up](http://IP of device/current_state.xml?pw=admin&BankDir1=up)  
Set the Relay in Bank1 to "DOWN": [http://IP of device/current\\_state.xml?pw=admin&BankDir1=down](http://IP of device/current_state.xml?pw=admin&BankDir1=down)  
Set the Relay in Bank1 to "STOP": [http://IP of device/current\\_state.xml?pw=admin&BankDir1=stop](http://IP of device/current_state.xml?pw=admin&BankDir1=stop)  
Set the Relay in Bank2 to "UP": [http://IP of device/current\\_state.xml?pw=admin&BankDir2=up](http://IP of device/current_state.xml?pw=admin&BankDir2=up)  
Set the Relay in Bank2 to "DOWN": [http://IP of device/current\\_state.xml?pw=admin&BankDir2=down](http://IP of device/current_state.xml?pw=admin&BankDir2=down)  
Set the Relay in Bank2 to "STOP": [http://IP of device/current\\_state.xml?pw=admin&BankDir2=stop](http://IP of device/current_state.xml?pw=admin&BankDir2=stop)

### Values BankDir

BankDirN: up, stop, down (N=1...6)

## 4. TECHNICAL DATA

### Power supply

12 V DC via 2-pole terminal

Power input max.: R-ET-4= 0.19 A / R-ET-12= 0.42 A

### Protocols and access

HTTP web server incl. access control/ XML over HTTP commands incl. access control/ SNMPv1/ DHCP and Fix-IP

### Compatibility

openHAB compatible (incl. logo) / 2N compatible (incl. logo) / Sallegra IOT (Internet of things)

### Inputs/outputs

Number: 4 or 12 1x Um relays outputs

1 control LED per channel

### Relays

Number: 4 or 12 relays SPDT

Max. load 10 A / 230 V AC per relay

### Network interface

10/100 Full Duplex Ethernet Interface RJ45 (Auto MDIX)

2 built-in LEDs (orange and green)

### Protection class

IP21, EN60529

### Module width

4 Relay Module R-ET-4: 105 mm (6 TE)

12 Relay Module R-ET-12: 158 mm (9 TE)

### Operating temperature

0-70 °C (no condensation)

### Assembly

DIN rail TS35, EN50022

All specifications are subject to change without notice or liability to provide changes to prior purchasers. Information and specifications published here are current as of the date of publication of this document. We reserve the right to change or modify specifications without prior notice. [www.satelco.ch](http://www.satelco.ch)

\* Warranty ex works, normally 24 months, fixed at order. Information is current as of the date of publication. Subject to errors and modifications. / NOTE: Internal connections refer to connections inside the unit, generally mounted across a pin-header. External connections refer to those outside the box. Once mounted, only connections described as "front accessible" can be accessed by the customer.