

# ESPEC Web Controller

“Admin” screenshots

Because online demo cannot show Setup/Admin screens

<http://wc.espec.com>

Demo with “Technician”

User: demo ; Password: demo

The logo for ESPEC, featuring the word "ESPEC" in a stylized, orange, rounded font.

WebDevF4T | Espec Web C... x

webdevf4t/#setup

ESPEC Monitor Constant Program Run/Stop Network Setup admin

WebDevF4T

- Hostname & Network Configuration
- Alarm Recipients & E-Mail Server Settings
- Logging Configuration
- Firmware Update
- Time Signal Names
- REST API/TCP Forwarder Configuration
- User Account Management
- Set Chamber Date/Time
- Chamber Interface Configuration
- Background Error Log 594
- Reboot Web Controller

Status: Constant  
Program: None  
Program Step: None

	Set Point	Process Value
Temperature	10	30.4
Humidity	Off	87.8

Time Signals:

Time Signal	Error
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Alarm Status:

None

Chamber Date/Time:

Fri Feb 10 2017 15:55:47

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WebDevF4T

### Hostname & Network Configuration

Hostname: WebDevF4T

DHCP:

IP Address: 10.30.100.16

Netmask: 255.255.0.0

Gateway: 10.30.0.1

DNS 1: 10.30.30.21

DNS 2:

**Notes:**

- All changes excluding the "Hostname" take effect immediately.
- A reboot may be required for the new "Hostname" to resolve.
- **MAC Address:** b8:27:eb:99:ef:7b

**Status:** Constant  
**Program:** None  
**Program Step:** None

	Set Point	Process Value
Temperature	10	30.4
Humidity	Off	88.4

**Time Signals:**

Time Signal Error

**Alarm Status:**

None

**Chamber Date/Time:**

Fri Feb 10 2017 15:30:23

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WebDevF4T

### Hostname & Network Configuration

### Alarm Recipients & E-Mail Server Settings

SMTP Host: smtp.gmail.com

SMTP Port: 587

Send as: chamber\_controller@espec.com

Require Authentication:

Require SSL/TLS:

SMTP User: wctest@espec.com

SMTP Password:

Proxy: Disabled

Status: Constant  
Program: None  
Program Step: None

	Set Point	Process Value
Temperature	10°C	30.6°C
Humidity	Off	87.4%RH

Time Signals:

Time Signal: Error

Alarm Status:

None

Chamber Date/Time:

Fri Feb 10 2017 16:10:03

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Hostname & Network Configuration

Alarm Recipients & E-Mail Server Settings

Logging Configuration

Sample Frequency

Notes:

- Sample Frequency is in Seconds.
- Sample Frequency must at least 10 Seconds
- Sample Frequency cannot be larger that 3600 Seconds (10 minutes)
- Sample Frequency will not be applied until after a reboot

Clear Log Apply

Firmware Update

Time Signal Names

REST API/TCP Forwarder Configuration

User Account Management

Status: Constant  
Program: None  
Program Step: None

	Set Point	Process Value
Temperature	10	30.4
Humidity	Off	87.6

Time Signals:

Time Signal Error

Alarm Status:

None

Chamber Date/Time:

Fri Feb 10 2017 15:57:18

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Hostname & Network Configuration

Alarm Recipients & E-Mail Server Settings

Logging Configuration

Firmware Update

Update File (.deb)  No file selected.

**Notes:**

- Firmware updates may take a few minutes.
- Firmware updates will automatically restart the chamber if successful.

Time Signal Names

REST API/TCP Forwarder Configuration

User Account Management

Set Chamber Date/Time

Status: Constant  
Program: None  
Program Step: None

	Set Point	Process Value
Temperature	10	30.4
Humidity	Off	87.5

**Time Signals:**

Time Signal Error

**Alarm Status:**

None

**Chamber Date/Time:**

Fri Feb 10 2017 15:57:37

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Hostname & Network Configuration

Alarm Recipients & E-Mail Server Settings

Logging Configuration

Firmware Update

Time Signal Names

Controller Id	Time Signal #	Name
1	1	Time Signal

**Notes:**

- Changes the display name for a chamber time signal.

Apply

REST API/TCP Forwarder Configuration

User Account Management

Set Chamber Date/Time

Status: Constant  
Program: None  
Program Step: None

	Set Point	Process Value
Temperature	10	30.3
Humidity	Off	87.3

**Time Signals:**

Time Signal Error

**Alarm Status:**

None

**Chamber Date/Time:**

Fri Feb 10 2017 15:58:38

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webdevf4t/#setup

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### Time Signal Names

### REST API/TCP Forwarder Configuration

**Rest API** Off

**TCP Forwarder** No Authentication  
HTTP Basic Authentication

**Notes:**

- Leave both interfaces disabled if they will not be used.
- **Rest API:** Authentication is recommended, however to test the API by a web browser "No Authentication" may be needed. [Click here to browse the API...](#)
- **TCP Forwarder:** This provides direct TCP access to the controllers communication interface. Authentication cannot be provided for this interface. A reboot must be performed to enable/re-enable this feature.

Apply

**Humidity** Off 87.4

**Time Signals:**

Time Signal Error

**Alarm Status:**

None

**Chamber Date/Time:**

Fri Feb 10 2017 16:11:04

User Account Management

Set Chamber Date/Time

Chamber Interface Configuration



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webdevf4t/#setup

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### User Account Management

User Name	Password	Confirm Password	Type
admin	Password	Confirm Password	Administrator
User Name	Password	Confirm Password	User

Notes:

- The remove(✕) button will delete the account immediatly.
- To add an account first enter the account settings then press the Add(+) button.
- Account Types:**
  - Guest:** A guest (not logged in) may only access the "Monitor" page.
  - User:** This account type may access every page except "Program Setup" and "Setup".
  - Technician:** This account type can access every page except the "Setup".
  - Administrator:** This account type has full control of all settings.

Apply

**Time Signals:**  
Time Signal Error

**Alarm Status:**  
None

**Chamber Date/Time:**  
Fri Feb 10 2017 16:08:34

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### Set Chamber Date/Time

#### Chamber Interface Configuration

#### Quick Chamber Configuration

- Use the model map to help fillout the form below, the bold fields are the only ones required to configure the web controller.
- The map will update to reflect the correct format for the choosen model line, not the selected values.
- The controller type will default to the standard controller for the selected Model, only change it if the chamber was ordered specifically with a different controller.

**Model Map:**  
BT L - 4 33

	Refrig. Size
	Chamber Size
	<b>Type</b>
	<b>Model</b>

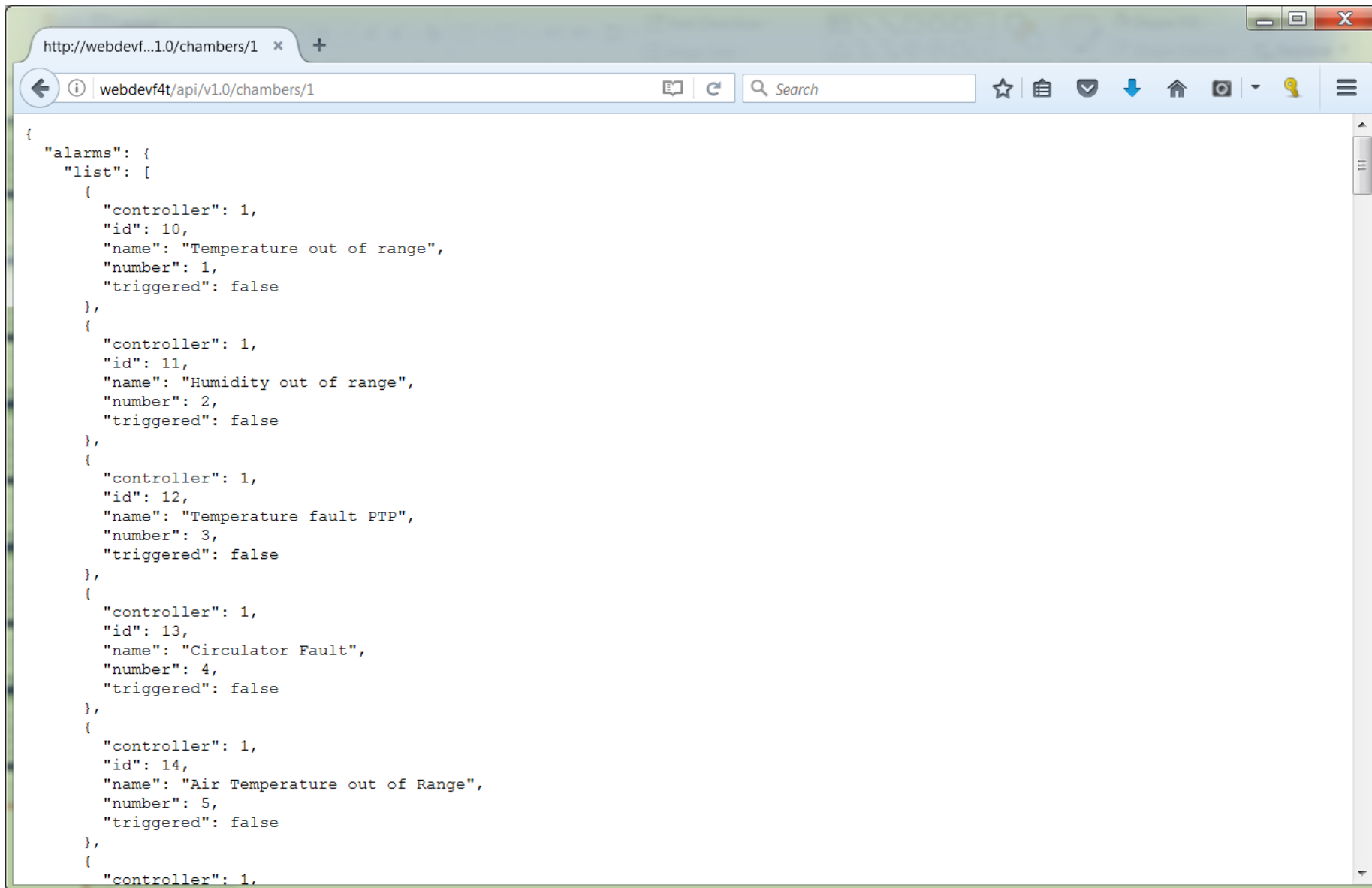
**Model** BT: Benchtop

**Type** L/X: Temperature & Humidity

**Controller** W: Watlow F4T

**Alarm Status:**  
None

**Chamber Date/Time:**  
Fri Feb 10 2017 16:09:04



The image shows a web browser window with a single tab titled "http://webdevf...1.0/chambers/1". The address bar contains "webdevf4t/api/v1.0/chambers/1". The browser's toolbar includes a search bar, star icon, document icon, checkmark icon, download icon, home icon, camera icon, and a menu icon. The main content area displays a JSON response:

```
{
  "alarms": {
    "list": [
      {
        "controller": 1,
        "id": 10,
        "name": "Temperature out of range",
        "number": 1,
        "triggered": false
      },
      {
        "controller": 1,
        "id": 11,
        "name": "Humidity out of range",
        "number": 2,
        "triggered": false
      },
      {
        "controller": 1,
        "id": 12,
        "name": "Temperature fault PTP",
        "number": 3,
        "triggered": false
      },
      {
        "controller": 1,
        "id": 13,
        "name": "Circulator Fault",
        "number": 4,
        "triggered": false
      },
      {
        "controller": 1,
        "id": 14,
        "name": "Air Temperature out of Range",
        "number": 5,
        "triggered": false
      },
      {
        "controller": 1,
```