

Integration manual

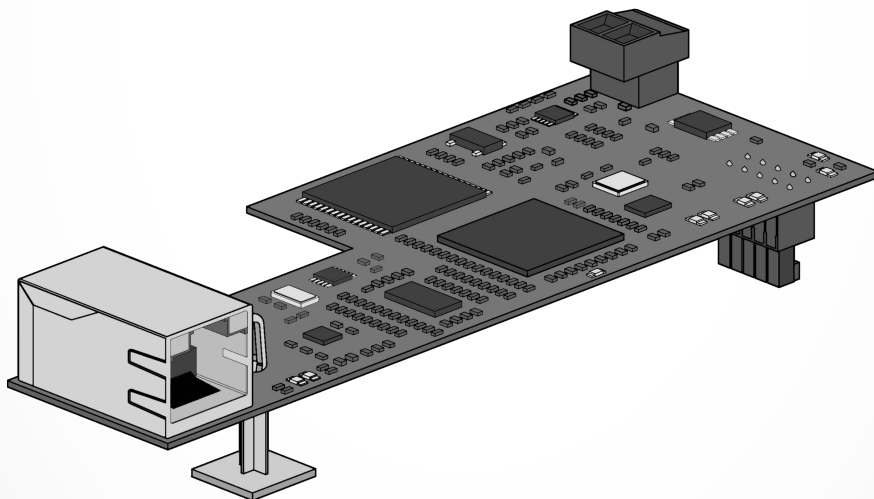
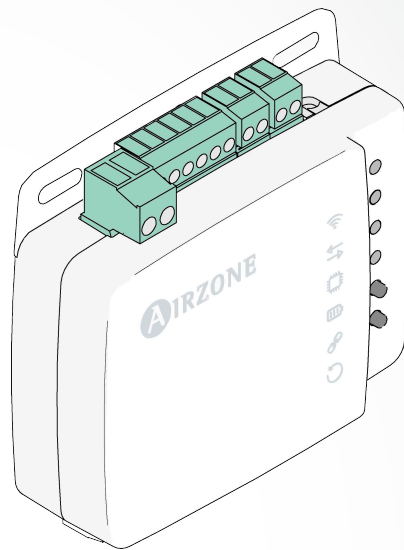
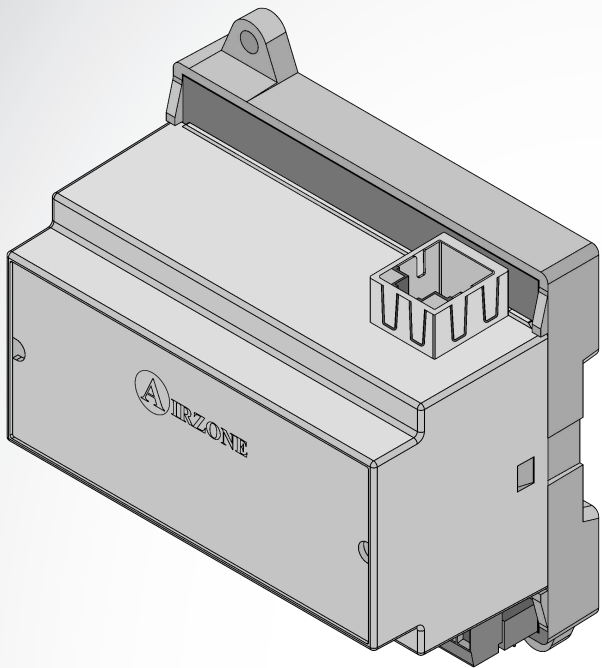
Español

English

Français

Italiano

Local API



AIRZONE

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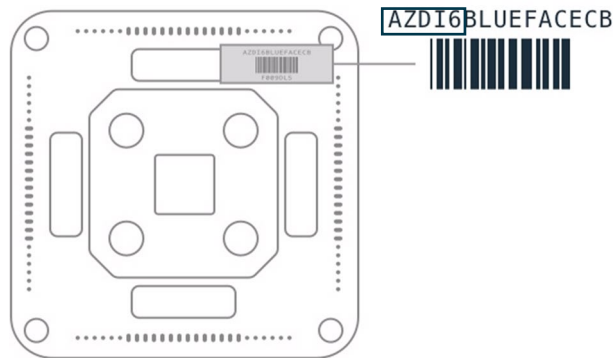
INTEGRACIÓN CON EL SISTEMA AIRZONE



Importante: Es necesario que el Webservice Airzone Cloud Ethernet (AZX6WEBSCLLOUDC o AZX6WSCLLOUDDINC) disponga de versión 3.1.6 o superior.

ES

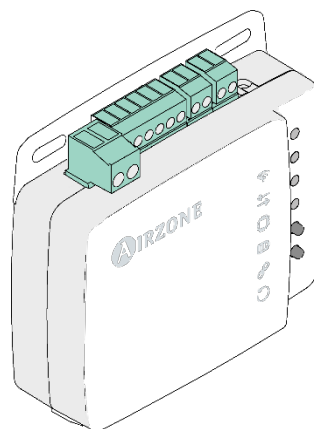
IDENTIFICACIÓN DEL SISTEMA



Dependiendo del código impreso en la etiqueta el sistema será configurado de manera distinta, para más información, consulte la documentación asociada a cada sistema:

| Clasificación | | Documentación asociada | |
|---------------|----------------------------------|------------------------|------------------------------|
| AZCE6 | Sistema Flexa 3.0 / Innobus Pro6 | <u>Guía rápida</u> | <u>Manual de instalación</u> |
| AZDI6 | Sistema Acuazone / Innobus Pro32 | <u>Guía rápida</u> | <u>Manual de instalación</u> |
| AZRA6 | Sistema RadianT365 | <u>Guía rápida</u> | <u>Manual de instalación</u> |
| AZVAF | Sistema VAF | <u>Guía rápida</u> | <u>Manual de instalación</u> |
| AZZBS | Sistema ZBS | <u>Guía rápida</u> | <u>Manual de instalación</u> |

El sistema Aidoo Pro (AZAI6WSPxxx) no dispone de termostatos, pero podrá identificarlo si encuentra su dispositivo Aidoo Pro:



FUNCIONAMIENTO DE LAS PETICIONES

Las peticiones se realizan hacia una dirección, puerto y aplicación en concreto.

ej: `http://XXX.XXX.XXX.XX:3000/api/v1/xxx`

Donde XXX.XXX.XXX.XX es la dirección IP del Webservice Airzone y el puerto es el 3000.

El sistema Airzone permite el control de las zonas y parámetros a través de peticiones PUT y POST.

Método **POST**: extraer datos del sistema.

Método **PUT**: modificar datos del sistema.

MÉTODO POST

El método **POST** se utiliza para extraer los datos de una zona en concreto.

El método se efectúa de la siguiente forma:

POST http://XXX.XXX.XXX.XX:3000/api/v1/hvac

Donde XXX.XXX.XXX.XX es la dirección IP del Webserver Airzone.

El puerto por defecto es el 3000.

La aplicación a la que apunta es api/v1/hvac.

Con el body

```
{
  "systemID": n (número del sistema),
  "zoneID": m (número de la zona)
}
```



Parámetros petición POST

Si la petición **POST** se produce de manera correcta la respuesta se indica con el código **200** y devolverá los siguientes parámetros:

A: Flexa 3.0/Innobus Pro6, RadianT365, Acuazone, Easyzone Systems.

B: VAF, ZBS Systems.

C: Aidoo Pro.

| A | B | C | Parámetro | Tipo de valor | Descripción | Valores disponibles |
|---|---|---|-----------------|---------------|--|--|
| ✓ | ✓ | ✓ | systemID | Integer | ID del sistema a consultar | 1 a 32->A,B 1->C |
| ✓ | ✓ | ✓ | zoneID | Integer | ID de la zona a consultar | 1 a 32->A,B 1->C 0 Todas las zonas |
| ✓ | ✓ | | name | String | Nombre de la zona | <i>Nombre de la zona</i> |
| ✓ | ✓ | ✓ | on | Boolean | Estado de la zona. Encendido / Apagado | true false |
| ✓ | ✓ | ✓ | setpoint | Integer | Temperatura de consigna | 15 a 30 para °C 59 a 86 para °F |
| ✓ | ✓ | ✓ | roomtemp | Integer | Temperatura ambiente de la zona | <i>Número</i> |

| | | | | | | | | | | | | | | | | | | |
|-----|-------------------------|---|----------------------|---------|--|---|---|------------|---|----------------|---|-----------------|---|----------------|-----|-------------------------|---|--------------|
| ✓ | ✓ | ✓ | maxtemp | Integer | Límite superior temperatura de consigna | Número | | | | | | | | | | | | |
| ✓ | ✓ | ✓ | mintemp | Integer | Límite inferior temperatura de consigna | Número | | | | | | | | | | | | |
| | ✓ | | coolsetpoint* | Integer | Temperatura de consigna para modo frío | Número | | | | | | | | | | | | |
| | ✓ | | coolmaxtemp* | Integer | Límite superior temperatura frío | Número | | | | | | | | | | | | |
| | ✓ | | coolmintemp* | Integer | Límite inferior temperatura frío | Número | | | | | | | | | | | | |
| | ✓ | | heatsetpoint* | Integer | Temperatura de consigna para modo calor | Número | | | | | | | | | | | | |
| | ✓ | | heatmaxtemp* | Integer | Límite superior temperatura calor | Número | | | | | | | | | | | | |
| | ✓ | | heatmintemp* | Integer | Límite inferior temperatura calor | Número | | | | | | | | | | | | |
| ✓ | ✓ | ✓ | modes | Array | Modos de funcionamiento disponibles en el sistema | <table border="1"> <tr><td>1</td><td>Stop</td></tr> <tr><td>2</td><td>Frío</td></tr> <tr><td>3</td><td>Calor</td></tr> <tr><td>4</td><td>Ventilación</td></tr> <tr><td>5</td><td>Seco</td></tr> <tr><td>7</td><td>Auto*</td></tr> </table> | 1 | Stop | 2 | Frío | 3 | Calor | 4 | Ventilación | 5 | Seco | 7 | Auto* |
| 1 | Stop | | | | | | | | | | | | | | | | | |
| 2 | Frío | | | | | | | | | | | | | | | | | |
| 3 | Calor | | | | | | | | | | | | | | | | | |
| 4 | Ventilación | | | | | | | | | | | | | | | | | |
| 5 | Seco | | | | | | | | | | | | | | | | | |
| 7 | Auto* | | | | | | | | | | | | | | | | | |
| ✓ | ✓ | ✓ | mode | Integer | Modo de funcionamiento seleccionado para el sistema | <table border="1"> <tr><td>1</td><td>Stop</td></tr> <tr><td>2</td><td>Frío</td></tr> <tr><td>3</td><td>Calor</td></tr> <tr><td>4</td><td>Ventilación</td></tr> <tr><td>5</td><td>Seco</td></tr> <tr><td>7</td><td>Auto*</td></tr> </table> | 1 | Stop | 2 | Frío | 3 | Calor | 4 | Ventilación | 5 | Seco | 7 | Auto* |
| 1 | Stop | | | | | | | | | | | | | | | | | |
| 2 | Frío | | | | | | | | | | | | | | | | | |
| 3 | Calor | | | | | | | | | | | | | | | | | |
| 4 | Ventilación | | | | | | | | | | | | | | | | | |
| 5 | Seco | | | | | | | | | | | | | | | | | |
| 7 | Auto* | | | | | | | | | | | | | | | | | |
| ✓ | ✓ | ✓ | speeds | Integer | Velocidad del ventilador disponibles en el sistema | <table border="1"> <tr><td>0</td><td>Automático</td></tr> <tr><td>1</td><td>Velocidad baja</td></tr> <tr><td>2</td><td>Velocidad media</td></tr> <tr><td>3</td><td>Velocidad alta</td></tr> <tr><td>...</td><td>Sólo en módulos de zona</td></tr> <tr><td>7</td><td>individuales</td></tr> </table> | 0 | Automático | 1 | Velocidad baja | 2 | Velocidad media | 3 | Velocidad alta | ... | Sólo en módulos de zona | 7 | individuales |
| 0 | Automático | | | | | | | | | | | | | | | | | |
| 1 | Velocidad baja | | | | | | | | | | | | | | | | | |
| 2 | Velocidad media | | | | | | | | | | | | | | | | | |
| 3 | Velocidad alta | | | | | | | | | | | | | | | | | |
| ... | Sólo en módulos de zona | | | | | | | | | | | | | | | | | |
| 7 | individuales | | | | | | | | | | | | | | | | | |
| ✓ | ✓ | ✓ | speed | Integer | Velocidad del ventilador de la unidad de climatización | <table border="1"> <tr><td>0</td><td>Automático</td></tr> <tr><td>1</td><td>Velocidad baja</td></tr> <tr><td>2</td><td>Velocidad media</td></tr> <tr><td>3</td><td>Velocidad alta</td></tr> <tr><td>...</td><td>Sólo en módulos de zona</td></tr> <tr><td>7</td><td>individuales</td></tr> </table> | 0 | Automático | 1 | Velocidad baja | 2 | Velocidad media | 3 | Velocidad alta | ... | Sólo en módulos de zona | 7 | individuales |
| 0 | Automático | | | | | | | | | | | | | | | | | |
| 1 | Velocidad baja | | | | | | | | | | | | | | | | | |
| 2 | Velocidad media | | | | | | | | | | | | | | | | | |
| 3 | Velocidad alta | | | | | | | | | | | | | | | | | |
| ... | Sólo en módulos de zona | | | | | | | | | | | | | | | | | |
| 7 | individuales | | | | | | | | | | | | | | | | | |
| ✓ | ✓ | | coldstages | Integer | Etapas de frío disponibles en el sistema/zona | <table border="1"> <tr><td>1</td><td>Aire</td></tr> <tr><td>2</td><td>Radiante</td></tr> <tr><td>3</td><td>Combinado</td></tr> </table> | 1 | Aire | 2 | Radiante | 3 | Combinado | | | | | | |
| 1 | Aire | | | | | | | | | | | | | | | | | |
| 2 | Radiante | | | | | | | | | | | | | | | | | |
| 3 | Combinado | | | | | | | | | | | | | | | | | |
| ✓ | ✓ | | coldstage | Integer | Etapas de frío en funcionamiento | <table border="1"> <tr><td>1</td><td>Aire</td></tr> <tr><td>2</td><td>Radiante</td></tr> <tr><td>3</td><td>Combinado</td></tr> </table> | 1 | Aire | 2 | Radiante | 3 | Combinado | | | | | | |
| 1 | Aire | | | | | | | | | | | | | | | | | |
| 2 | Radiante | | | | | | | | | | | | | | | | | |
| 3 | Combinado | | | | | | | | | | | | | | | | | |
| ✓ | ✓ | | heatstages | Integer | Etapas de calor disponibles en el sistema/zona | <table border="1"> <tr><td>1</td><td>Aire</td></tr> <tr><td>2</td><td>Radiante</td></tr> <tr><td>3</td><td>Combinado</td></tr> </table> | 1 | Aire | 2 | Radiante | 3 | Combinado | | | | | | |
| 1 | Aire | | | | | | | | | | | | | | | | | |
| 2 | Radiante | | | | | | | | | | | | | | | | | |
| 3 | Combinado | | | | | | | | | | | | | | | | | |
| ✓ | ✓ | | heatstage | Integer | Etapas de calor en funcionamiento | <table border="1"> <tr><td>1</td><td>Aire</td></tr> <tr><td>2</td><td>Radiante</td></tr> <tr><td>3</td><td>Combinado</td></tr> </table> | 1 | Aire | 2 | Radiante | 3 | Combinado | | | | | | |
| 1 | Aire | | | | | | | | | | | | | | | | | |
| 2 | Radiante | | | | | | | | | | | | | | | | | |
| 3 | Combinado | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---------|---------------------------------------|------------|-------------|
| ✓ | ✓ | | humidity | Integer | Humedad relativa de la zona | Número (%) | |
| ✓ | ✓ | ✓ | units | Integer | Unidad de medida de temperatura | 0 | CELSIUS |
| | | | | | | 1 | FAHRENHEIT |
| ✓ | ✓ | | air_demand | Integer | Demanda de aire en el sistema | 0 | Desactivada |
| | | | | | | 1 | Activada |
| ✓ | ✓ | | floor_demand | Integer | Demanda de suelo en el sistema | 0 | Desactivada |
| | | | | | | 1 | Activada |
| ✓ | ✓ | ✓ | slats_vertical slats_horizont al | Integer | Posición de lamas Vertical/horizontal | 0 | Posición 1 |
| | | | | | | 1 | Posición 2 |
| | | | | | | 2 | Posición 3 |
| | | | | | | 3 | Posición 4 |
| ✓ | ✓ | ✓ | aq_ quality | Integer | Calidad del aire | 0 | Off |
| | | | | | | 1 | Buena |
| | | | | | | 2 | Media |
| | | | | | | 3 | Mala |
| ✓ | ✓ | ✓ | aq_ mode | Integer | Modo de ionización | 0 | Off |
| | | | | | | 1 | On |
| | | | | | | 2 | Auto |

El parámetro "errors" indica el error o aviso y la zona en la que se encuentra.

| Parámetro | Tipo de valor | Descripción | Valores disponibles | | |
|-----------|-------------------------|-------------------------|--|--|--|
| errors | Array | Error de zona | 3 | Elemento motorizado no conectado | |
| | | | 4 | Elemento motorizado bloqueado | |
| | | | 5 | Sonda de temperatura en circuito abierto | |
| | | | 6 | Sonda de temperatura en cortocircuito | |
| | | | 7 | Elemento incompatible | |
| | | | 8 | Pérdida de comunicaciones | |
| | | | Error de sistema | 9 | Error de comunicación pasarela - sistema |
| | | | | 11 | Error de comunicación pasarela - máquina |
| | | 13 | | Error de comunicación central - módulo de control de elementos radiantes | |
| | | 14 | | Error de comunicación central - módulo de expansión | |
| | | 15 | | Error de comunicación con medidor de consumo | |
| | | 16 | | Error en la medida del medidor de consumo | |
| | | C02 | | Error de comunicación central del sistema - central control producción | |
| | | C09 | Error de comunicación pasarela aeroterminia - central control producción | | |
| | | warning (Aviso de zona) | | Presencia activa | |
| | Ventana activa | | | | |
| | Antihielo | | | | |
| | Protección rocío activo | | | | |

Si la petición **POST** se produce de manera errónea la respuesta se indica con el código **500** y las siguientes descripciones del parámetro "errors":

| Parámetro | Tipo de valor | Descripción | Valores disponibles | |
|-----------|---------------|-------------|-----------------------|------------------------------------|
| errors | Array | Error | request malformed | Formato de petición erróneo |
| | | | zoneid not provided | Zona no presente en la petición |
| | | | systemid not provided | Sistema no presente en la petición |
| | | | zoneid out of range | Zona no válida (0 - 32) |
| | | | systemid out of range | Sistema no válido (1 - 32) |

| | | | |
|--|--|----------------------|---------------------------------------|
| | | zoneid not available | Zona no disponible |
| | | internal error | Error interno en la aplicación |
| | | driver not provided | No se indica el driver en la petición |
| | | method not supported | Método no soportado |

ES

MÉTODO PUT

El método **PUT** se utiliza para modificar los valores de una zona en concreto.

El método se efectúa de la siguiente forma:

PUT http://XXX.XXX.XXX.XX:3000/api/v1/hvac

Donde XXX.XXX.XXX.XX es la dirección IP del Webserver Airzone

El puerto por defecto es el 3000.

La aplicación a la que apunta es api/v1/hvac.

Con el body

```
{
  "systemID": n (número del sistema),
  "zoneID": m (número de la zona),
  "parámetro" (parámetro a modificar, por ejemplo "setpoint"): f (valor),
}
```



Parámetros petición PUT

La petición **PUT** permite la modificación de los siguientes parámetros:

A: Flexa 3.0/Innobus Pro6, RadianT365, Acuazone, Easyzone Systems.

B: VAF, ZBS Systems.

C: Aidoo Pro.

| A | B | C | Parámetro | Tipo de valor | Descripción | Valores disponibles | |
|-------------------------------------|-------------------------------------|-------------------------------------|----------------------|---------------|---|------------------------------------|----------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | on | Integer | Encendido o apagado | 0 | Off /Apagada |
| | | | | | | 1 | On / Encendida |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | name | String | Nombre de la zona | <i>Nombre de la zona</i> | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | setpoint | Integer | Temperatura de consigna | 15 to 30 for °C 59 to 86 for °F | |
| | <input checked="" type="checkbox"/> | | coolsetpoint* | Integer | Temperatura de consigna para modo frío | 18 to 30 for °C 59 to 86 for °F | |
| | <input checked="" type="checkbox"/> | | heatsetpoint* | Integer | Temperatura de consigna para modo calor | 15 to 30 for °C 64 to 86 for °F | |
| | | | mode | Integer | Modo de funcionamiento | 1 | Stop |

| | | | | | | | |
|---|---|---|------------------|---------|--------------------------|-----|--------------------------------------|
| ✓ | ✓ | ✓ | | | | 2 | Frío |
| | | | | | | 3 | Calor |
| | | | | | | 4 | Ventilación |
| | | | | | | 5 | Seco |
| | | | | | | 7 | Auto* |
| ✓ | ✓ | ✓ | speed | Integer | Velocidad del ventilador | 0 | Automático |
| | | | | | | 1 | Velocidad baja |
| | | | | | | 2 | Velocidad media |
| | | | | | | 3 | Velocidad alta |
| | | | | | | 4 | Sólo en módulos de zona individuales |
| | | | | | | ... | |
| | | | | | | 7 | |
| ✓ | ✓ | | coldstage | Integer | Etapas de frío | 1 | Aire |
| | | | | | | 2 | Radiante |
| | | | | | | 3 | Combinado |
| ✓ | ✓ | | heatstage | Integer | Etapas de calor | 1 | Aire |
| | | | | | | 2 | Radiante |
| | | | | | | 3 | Combinado |

***Nota:** Disponible únicamente en sistemas Airzone VAF o ZBS.

Si la petición **PUT** se produce de manera correcta la respuesta se indica con el código **200** y devolverá los parámetros del sistema.

Si la petición **PUT** se produce de manera errónea la respuesta se indica con el código **500** y devolverá las siguientes descripciones del parámetro "errors":

| Parámetro | Tipo de valor | Descripción | Valores disponibles | |
|---------------------|---------------------------------------|-------------|-----------------------|------------------------------------|
| errors | Array | Error | request malformed | Formato de petición erróneo |
| | | | zoneid not provided | Zona no presente en la petición |
| | | | systemid not provided | Sistema no presente en la petición |
| | | | zoneid out of range | Zona no válida (0 – 32) |
| | | | systemid out of range | Sistema no válido (0 – 32) |
| | | | zoneid not available | Zona no disponible |
| | | | internal error | Error interno en la aplicación |
| driver not provided | No se indica el driver en la petición | | | |

INTEGRACIÓN

Comprobar integración

Para comprobar la versión del driver instalado.

POST <http://XXX.XXX.XXX.XX:3000/api/v1/integration>

Donde la dirección ip del Webserver es 192.168.101.53

El puerto por defecto es el 3000.

La aplicación a la que apunta es api/v1/integration.

Si la petición POST se produce de manera correcta la respuesta se indica con el código **200** y devolverá los siguientes parámetros:

```
{
  "driver": "integrador"
```

```
}
```

Donde “integrador” es el sistema de control a integrar con Airzone.

ES

Establecer integración

Para establecer el valor de la integración.

PUT `http://XXX.XXX.XXX.XX:3000/api/v1/integration`

Donde la dirección ip del Webserver es 192.168.101.53

El puerto por defecto es el 3000.

La aplicación a la que apunta es `api/v1/integration`.

Con el body:

```
{  
  "driver": "integrador"  
}
```

Donde “integrador” es el sistema de control a integrar con Airzone.

Si la petición **PUT** se produce de manera correcta la respuesta se indica con el código **200** y devolverá los siguientes parámetros:

```
{  
  "driver": "integrador"  
}
```

Donde “integrador” es el sistema de control a integrar con Airzone.

Si la petición **PUT** se produce de manera errónea la respuesta se indica con el código **500** y devolverá los siguientes parámetros:

```
{  
  "errors": [{  
    "error": "integration not provided"  
  }]  
}
```

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| PUT request parameters..... | 16 |
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INTEGRATION WITH AIRZONE SYSTEMS

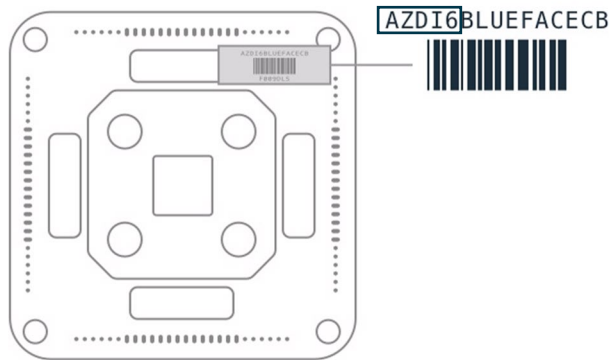


Important: Webserver Airzone Cloud Ethernet (AZX6WEBSCLLOUDC or AZX6WSCLLOUDDINC) must have the 3.1.6 version or higher.

EN

SYSTEM IDENTIFICATION

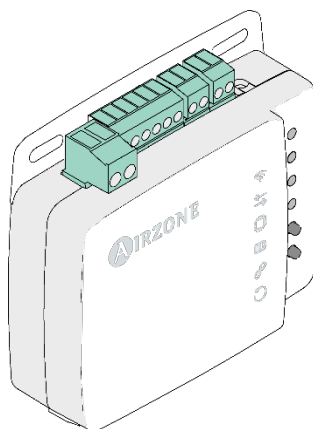
To start the configuration process, it is necessary to identify the system, to do this, remove the Blueface thermostat from its base and check the code printed on the label located on the back of the thermostat.



Depending on the code printed on the label the system will be configured in different ways, for further information, please refer to the documentation related to each system:

| Identification | | Related documentation | |
|----------------|---------------------------------|------------------------------------|--|
| AZCE6 | Flexa 3.0 / Innobus Pro6 System | <u>Quick Guide</u> | <u>Installation Manual</u> |
| AZDI6 | Acuazone / Innobus Pro32 System | <u>Quick Guide</u> | <u>Installation Manual</u> |
| AZRA6 | RadianT365 System | <u>Quick Guide</u> | <u>Installation Manual</u> |
| AZVAF | VAF System | <u>Quick Guide</u> | <u>Installation Manual</u> |
| AZZBS | ZBS System | <u>Quick Guide</u> | <u>Installation Manual</u> |

The Aidoo Pro system (AZAI6WSPxxx) does not have thermostats, but you can identify it by finding your Aidoo Pro device:



REQUESTS WORKFLOW

Requests are made pointed to an address, port and application.

e.g `http://XXX.XXX.XXX.XX:3000/api/v1/xxx`

Where XXX.XXX.XXX.XX is the IP address of the Airzone Webserver and the port is 3000

The Airzone system allows the control of the zones and parameters via PUT and POST requests.

POST method: extract system data.

PUT method: modify system data.

POST METHOD

The **POST** method is used to extract the data of a specified zone.

This method is used as below:

POST http://XXX.XXX.XXX.XX:3000/api/v1/hvac

Where XXX.XXX.XXX.XX is the IP address of the Airzone Webserver.

The port by default is 3000.

The application where is pointed is api/v1/hvac.

With the following body

```
{
  "systemID": n (system number),
  "zoneID": m (zone number)
}
```



POST request parameters

If the **POST** method is correctly requested the response is indicated with code **200** and will give back the following parameters:

A: Flexa 3.0/Innobus Pro6, RadianT365, Acuazone, Easyzone Systems.

B: VAF, ZBS Systems.

C: Aidoo Pro.

| A | B | C | Parámetro | Tipo de valor | Descripción | Valores disponibles |
|---|---|---|-----------------|---------------|----------------------------------|--------------------------------------|
| ✓ | ✓ | ✓ | systemID | Integer | ID of the System to consult | 1 a 32->A,B 1->C |
| ✓ | ✓ | ✓ | zoneID | Integer | ID of the Zone to consult | 1 a 32->A,B 1->C 0 All Zones |
| ✓ | ✓ | | name | String | Name of zone | <i>Name of zone</i> |
| ✓ | ✓ | ✓ | on | Boolean | Zone status. On/Off | true false |
| ✓ | ✓ | ✓ | setpoint | Integer | Setpoint temperature | 15 to 30 for °C 59 to 86 for °F |
| ✓ | ✓ | ✓ | roomtemp | Integer | Room temperature | Number |
| ✓ | ✓ | ✓ | maxtemp | Integer | Upper limit setpoint temperature | Number |
| ✓ | ✓ | ✓ | mintemp | Integer | Lower limit setpoint temperature | Number |

| | | | | | | |
|---|---|---|----------------------|---------|---|--|
| | ✓ | | coolsetpoint* | Integer | Setpoint temperature for cooling mode | Number |
| | ✓ | | coolmaxtemp* | Integer | Upper limit cooling temperature | Number |
| | ✓ | | coolmintemp* | Integer | Lower limit cooling temperature | Number |
| | ✓ | | heatsetpoint* | Integer | Setpoint temperature for heating mode | Number |
| | ✓ | | heatmaxtemp* | Integer | Upper limit heating temperature | Number |
| | ✓ | | heatmintemp* | Integer | Lower limit heating temperature | Number |
| ✓ | ✓ | | modes | Array | Operation modes available in the system | 1 Stop 2 Cooling 3 Heating 4 Fan 5 Dry 7 Auto* |
| ✓ | ✓ | ✓ | mode | Integer | Operation mode selected for the system | 1 Stop 2 Cooling 3 Heating 4 Fan 5 Dry 7 Auto* |
| ✓ | ✓ | ✓ | speeds | Integer | Fan speeds available in the system | 0 Auto 1 Low speed 2 Medium speed 3 High speed 4 ... 7 Only in individual unit zone modules |
| ✓ | ✓ | ✓ | speed | Integer | Fan speed selected for the system | 0 Auto 1 Low speed 2 Medium speed 3 High speed 4 ... 7 Only in individual unit zone modules |
| ✓ | ✓ | | coldstages | Integer | Cooling stages available in the system / zone | 1 Air 2 Radiant 3 Combined |
| ✓ | ✓ | | coldstage | Integer | Cooling stage running | 1 Air 2 Radiant 3 Combined |
| ✓ | ✓ | | heatstages | Integer | Heating stages available in the system / zone | 1 Air 2 Radiant 3 Combined |
| ✓ | ✓ | | heatstage | Integer | Heating stage running | 1 Air 2 Radiant 3 Combined |
| ✓ | ✓ | | humidity | Integer | Relative humidity of the zone | Number (%) |
| ✓ | ✓ | ✓ | units | Integer | Temperature measurement units | 0 CELSIUS 1 FAHRENHEIT |

| | | | | | | | |
|---|---|---|---|---------|---------------------------------------|---|-------------|
| ✓ | ✓ | | air_demand | Integer | System air demand | 0 | Deactivated |
| | | | | | | 1 | Activated |
| ✓ | ✓ | | floor_demand | Integer | System floor demand | 0 | Deactivated |
| | | | | | | 1 | Activated |
| ✓ | ✓ | ✓ | slats_vertical slats_horizont al | Integer | Blade position Vertical/horizontal | 0 | 1 Position |
| | | | | | | 1 | 2 Position |
| | | | | | | 2 | 3 Position |
| | | | | | | 3 | 4 Position |
| ✓ | ✓ | ✓ | aq_ quality | Integer | Air quality | 0 | Off |
| | | | | | | 1 | Good |
| | | | | | | 2 | Medium |
| | | | | | | 3 | Low |
| ✓ | ✓ | ✓ | aq_ mode | Integer | Ionisation mode | 0 | Off |
| | | | | | | 1 | On |
| | | | | | | 2 | Auto |

The "errors" parameter indicates the error or warning and zone where it is happening.

| Parameters | Value type | Description | Available values | |
|------------|--|-------------------------|-----------------------|---|
| errors | Array | Zone errors | 3 | Motorized element not connected |
| | | | 4 | Motorized element blocked |
| | | | 5 | Temperature probe – Open circuit |
| | | | 6 | Temperature probe – Short circuit |
| | | | 7 | Incompatible element |
| | | | 8 | Communication error |
| | | System errors | 9 | Gateway-System communication error |
| | | | 11 | Gateway-AC Unit communication error |
| | | | 13 | Main Board-Control Module of Radiant Elements communication error |
| | | | 14 | Main Control Board-Expansion Module Communication error |
| | | | 15 | Energy Meter communication error |
| | | | 16 | Energy Meter measurement error |
| | | | C02 | Main Control Board – Production Control Board communication error |
| C09 | Aerothermal Gateway - Production Control Board Communication Error | | | |
| | | warning (zone warnings) | Occupancy | |
| | | | Window | |
| | | | Anti-freezing | |
| | | | Active dew protection | |

If the **POST** request is wrong, the response is indicated with code **500** and will give back the following parameters:

| Parameters | Value type | Description | Available values | |
|------------|------------|----------------------|-----------------------|--|
| errors | Array | Error | request malformed | Wrong request format |
| | | | zoneid not provided | Zone not present in the request |
| | | | systemid not provided | System not present in the request |
| | | | zoneid out of range | Zone not valid (0 – 32) |
| | | | systemid out of range | System not valid (0 – 32) |
| | | | zoneid not available | Zone not available |
| | | | internal error | Internal error in the application |
| | | | driver not provided | The driver is not indicated in the request |
| | | method not supported | Unsupported method | |

PUT METHOD

The **PUT** method is used to modify the data of a specified zone.

This method is used as below:

PUT http://XXX.XXX.XXX.XX:3000/api/v1/hvac

Where XXX.XXX.XXX.XX is the IP address of the Airzone Webserver.

The port by default is 3000.

The application where is pointed is api/v1/hvac.

With the following body

```
{
  "systemID": n (system number),
  "zoneID": m (zone number)
  "parameter" (parameter to modify, e.g "setpoint"): f (value),
}
```



PUT request parameters

The PUT method allows to modify the following parameters:

A: Flexa 3.0/Innobus Pro6, RadianT365, Acuazone, Easyzone Systems.

B: VAF, ZBS Systems.

C: Aidoo Pro.

| A | B | C | Parámetro | Tipo de valor | Descripción | Valores disponibles | |
|-------------------------------------|-------------------------------------|-------------------------------------|----------------------|---------------|---------------------------------------|------------------------------------|---------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | on | Integer | On/Off | 0 | Off |
| | | | | | | 1 | On |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | name | String | Name of zone | <i>Name of zone</i> | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | setpoint | Integer | Setpoint temperature | 59 to 86 for °F 18 to 30 for °C | |
| | <input checked="" type="checkbox"/> | | coolsetpoint* | Integer | Setpoint temperature for cooling mode | 59 to 86 for °F 15 to 30 for °C | |
| | <input checked="" type="checkbox"/> | | heatsetpoint* | Integer | Setpoint temperature for heating mode | 64 to 86 for °F 59 to 86 for °F | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | mode | Integer | Operation mode | 1 | Stop |
| | | | | | | 2 | Cooling |
| | | | | | | 3 | Heating |
| | | | | | | 4 | Fan |
| | | | | | | 5 | Dry |
| | | | | | | 7 | Auto* |
| | | | | Integer | Fan speed | 0 | Auto |

| | | | | | | | |
|---|---|---|------------------|---------|----------------|-----|--------------------------------------|
| ✓ | ✓ | ✓ | speed | | | 1 | Low speed |
| | | | | | | 2 | Medium speed |
| | | | | | | 3 | High speed |
| | | | | | | 4 | Only in individual unit zone modules |
| | | | | | | ... | |
| | | | | | | 7 | |
| ✓ | ✓ | | coldstage | Integer | Cooling stages | 1 | Air |
| | | | | | | 2 | Radiant |
| | | | | | | 3 | Combined |
| ✓ | ✓ | | heatstage | Integer | Heating stages | 1 | Air |
| | | | | | | 2 | Radiant |
| | | | | | | 3 | Combined |

If the **PUT** method is correctly requested the response is indicated with code **200** and will give back the system parameters.

If the **PUT** method is requested wrong the response is indicated with code **500** and will give back the system parameters.

| Parameters | Value type | Description | Available values | |
|---------------------|--|-------------|-----------------------|-----------------------------------|
| errors | Array | Error | request malformed | Wrong request format |
| | | | zoneid not provided | Zone not present in the request |
| | | | systemid not provided | System not present in the request |
| | | | zoneid out of range | Zone not valid (0 – 32) |
| | | | systemid out of range | System not valid (0 – 32) |
| | | | zoneid not available | Zone not available |
| | | | internal error | Internal error in the application |
| driver not provided | The driver is not indicated in the request | | | |

INTEGRATION

Check integration

To check the installed driver version.

POST <http://XXX.XXX.XXX.XX:3000/api/v1/integration>

Where XXX.XXX.XXX.XX is the IP address of the Airzone Webserver.

The port by default is 3000.

The application where is pointed is api/v1/integration.

If the **POST** method is correctly requested the response is indicated with code **200** and will give back the following parameters:

```
{
  "driver": "integrator"
}
```

Where "integrator" stands for the system to control with Airzone.

Modify integration

To set the integration value.

PUT <http://XXX.XXX.XXX.XX:3000/api/v1/integration>

Where XXX.XXX.XXX.XX is the IP address of the Airzone Webserver.

The port by default is 3000.

The application where is pointed is `api/v1/integration`.

With the following body

```
{  
  "driver": "integrator"  
}
```

Where "integrator" stands for the system to control with Airzone.

If the **PUT** method is correctly requested the response is indicated with code **200** and will give back the following parameters:

```
{  
  "driver": "integrator"  
}
```

Where "integrator" stands for the system to control with Airzone.

If the **PUT** method is requested wrong the response is indicated with code **500** and will give back the system parameters.

```
{  
  "errors": [{  
    "error": "integration not provided"  
  }]  
}
```

TABLE DES MATIÈRES

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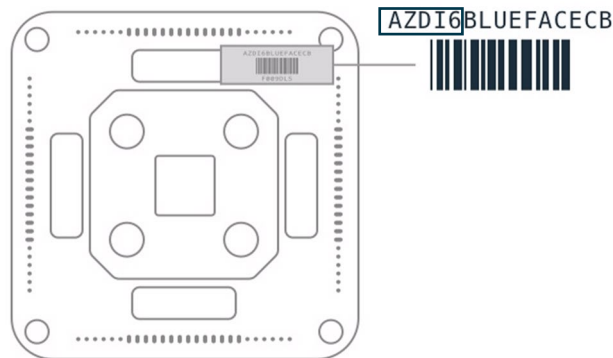
INTÉGRATION AU SYSTÈME AIRZONE



Important : Le Webserver Airzone Cloud Ethernet (AZX6WEBSCLLOUDC ou AZX6WSCLLOUDDINC) doit avoir la version du firmware 3.1.6 ou supérieure.

IDENTIFICATION DU SYSTÈME

Pour réaliser le processus de configuration, vous devez commencer par identifier le système. Pour cela, retirez le thermostat Blueface de sa base et vérifiez le code figurant sur l'étiquette située sur la partie arrière.

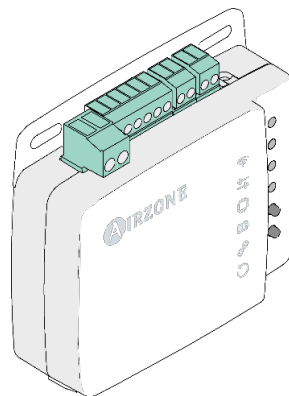


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Le système sera configuré de manière différente, en fonction du code indiqué sur l'étiquette. Pour plus d'informations, consultez la documentation associée à chaque système :

| Classification | | Documentation associée | |
|----------------|----------------------------------|------------------------|------------------------------|
| AZCE6 | Système Flexa 3.0 / Innobus Pro6 | <u>Guide rapide</u> | <u>Manuel d'installation</u> |
| AZDI6 | Système Acuazone / Innobus Pro32 | <u>Guide rapide</u> | <u>Manuel d'installation</u> |
| AZRA6 | Système RadianT365 | <u>Guide rapide</u> | <u>Manuel d'installation</u> |
| AZVAF | Système VAF | <u>Guide rapide</u> | <u>Manuel d'installation</u> |
| AZZBS | Système ZBS | <u>Guide rapide</u> | <u>Manuel d'installation</u> |

Le système Aidoo Pro (AZAI6WSPxxx) ne dispose pas de thermostats, mais vous pourrez l'identifier en trouvant votre dispositif Aidoo Pro:



FONCTIONNEMENT DES REQUÊTES

Les requêtes sont adressées à une adresse, un port ou une application concrète.

Ex. : <http://XXX.XXX.XXX.XX:3000/api/v1/xxx>

Où XXX.XXX.XXX.XX est l'adresse IP du Webserver Airzone et 3000 est le port.

Le système Airzone permet le contrôle des zones et des paramètres via des requêtes PUT et POST.

Méthode **POST** : extraction des données du système.

Méthode **PUT** : modification des données du système.

MÉTHODE POST

La méthode **POST** sert à extraire les données d'une zone concrète.

La méthode s'applique de la façon suivante :

POST <http://XXX.XXX.XXX.XX:3000/api/v1/hvac>

Où XXX.XXX.XXX.XX est l'adresse IP du Webserver Airzone.

Le port par défaut est 3000.

L'application ciblée est api/v1/hvac.

Avec le body

```
{
  "systemID": n (numéro du système),
  "zoneID": m (numéro de la zone)
}
```



Paramètres de la requête POST

Si la requête **POST** s'effectue correctement, la réponse sera indiquée par le code **200** et dégagera les paramètres suivants :

A: Flexa 3.0/Innobus Pro6, RadianT365, Acuazone, Easyzone Systems.

B: VAF, ZBS Systems.

C: Aidoo Pro.

| A | B | C | Parámetro | Tipo de valor | Descripción | Valores disponibles |
|---|---|---|----------------------|---------------|---|--|
| ✓ | ✓ | ✓ | systemID | Integer | ID du système à consulter | 1 a 32->A,B 1->C |
| ✓ | ✓ | ✓ | zoneID | Integer | ID de la Zone à consulter | 1 a 32->A,B 1->C |
| | | | | | | 0 Toutes les zones |
| ✓ | ✓ | | name | String | Nom de la zone | <i>Nom de la zone</i> |
| ✓ | ✓ | ✓ | on | Boolean | État de la zone. On / Off | true false |
| ✓ | ✓ | ✓ | setpoint | Integer | Température de consigne | Entre 15 et 30 pour °C Entre 59 et 86 pour °F |
| ✓ | ✓ | ✓ | roomtemp | Integer | Température ambiante | <i>Nombre</i> |
| ✓ | ✓ | ✓ | maxtemp | Integer | Seuil maximum de la température de consigne | <i>Nombre</i> |
| ✓ | ✓ | ✓ | mintemp | Integer | Seuil minimum de la température de consigne | <i>Nombre</i> |
| | ✓ | | coolsetpoint* | Integer | Température de consigne du mode refroidissement | <i>Nombre</i> |

| | | | | | | | |
|---|---|---|----------------------|---------|--|-------------------|--------------------------------|
| | ✓ | | coolmaxtemp* | Integer | Seuil maximum de la température de refroidissement | <i>Nombre</i> | |
| | ✓ | | coolmintemp* | Integer | Seuil minimum de la température de refroidissement | <i>Nombre</i> | |
| | ✓ | | heatsetpoint* | Integer | Température de consigne du mode chauffage | <i>Nombre</i> | |
| | ✓ | | heatmaxtemp* | Integer | Seuil maximum de la température de chauffage | <i>Nombre</i> | |
| | ✓ | | heatmintemp* | Integer | Seuil minimum de la température de chauffage | <i>Nombre</i> | |
| ✓ | ✓ | | modes | Array | Modes de fonctionnement disponibles pour le système | 1 | Stop |
| | | | | | | 2 | Refroidissement |
| | | | | | | 3 | Chauffage |
| | | | | | | 4 | Ventilation |
| | | | | | | 5 | Déshumidification |
| | | | | | | 7 | Auto* |
| ✓ | ✓ | ✓ | mode | Integer | Mode de fonctionnement sélectionné pour le système | 1 | Stop |
| | | | | | | 2 | Refroidissement |
| | | | | | | 3 | Chauffage |
| | | | | | | 4 | Ventilation |
| | | | | | | 5 | Déshumidification |
| | | | | | | 7 | Auto* |
| ✓ | ✓ | ✓ | speeds | Integer | Vitesses du ventilateur disponibles pour le système | 0 | Automatique |
| | | | | | | 1 | Vitesse faible |
| | | | | | | 2 | Vitesse moyenne |
| | | | | | | 3 | Vitesse élevée |
| | | | | | | 4 | Uniquement dans modules locaux |
| | | | | | | ... | |
| | | | | | | 7 | |
| ✓ | ✓ | ✓ | speed | Integer | Vitesse du ventilateur sélectionnée pour le système | 0 | Automatique |
| | | | | | | 1 | Vitesse faible |
| | | | | | | 2 | Vitesse moyenne |
| | | | | | | 3 | Vitesse élevée |
| | | | | | | 4 | Uniquement dans modules locaux |
| | | | | | | ... | |
| | | | | | | 7 | |
| ✓ | ✓ | | coldstages | Integer | Étapes de refroidissement disponibles pour le système / zone | 1 | Air |
| | | | | | | 2 | Rayonnant |
| | | | | | | 3 | Combiné |
| ✓ | ✓ | | coldstage | Integer | Étape de refroidissement en fonctionnement | 1 | Air |
| | | | | | | 2 | Rayonnant |
| | | | | | | 3 | Combiné |
| ✓ | ✓ | | heatstages | Integer | Étapes de chauffage disponibles pour le système / zone | 1 | Air |
| | | | | | | 2 | Rayonnant |
| | | | | | | 3 | Combiné |
| ✓ | ✓ | | heatstage | Integer | Étape de chauffage en fonctionnement | 1 | Air |
| | | | | | | 2 | Rayonnant |
| | | | | | | 3 | Combiné |
| ✓ | ✓ | | humidity | Integer | Humidité relative de la zone | <i>Nombre (%)</i> | |
| ✓ | ✓ | ✓ | units | Integer | Unité de mesure de la température | 0 | CELSIUS |
| | | | | | | 1 | FAHRENHEIT |

| | | | | | | | |
|---|---|---|---|---------|--|---|------------|
| ✓ | ✓ | | air_demand | Integer | Demande d'air dans le système | 0 | Deactivée |
| | | | | | | 1 | Activée |
| ✓ | ✓ | | floor_demand | Integer | Demande de plancher dans le système | 0 | Deactivée |
| | | | | | | 1 | Activée |
| ✓ | ✓ | ✓ | slats_vertical slats_horizont al | Integer | Position de la lame Vertical/horizontal | 0 | 1 Position |
| | | | | | | 1 | 2 Position |
| | | | | | | 2 | 3 Position |
| | | | | | | 3 | 4 Position |
| ✓ | ✓ | ✓ | aq_ quality | Integer | Qualité de l'air | 0 | Off |
| | | | | | | 1 | Bonne |
| | | | | | | 2 | Moyenne |
| | | | | | | 3 | Faible |
| ✓ | ✓ | ✓ | aq_ mode | Integer | Mode d'ionisation | 0 | Off |
| | | | | | | 1 | On |
| | | | | | | 2 | Auto |

Le paramètre "errors" indique le type d'erreur ou incident et la zone où elle se produit.

| Paramètre | Type de valeur | Description | Valeurs disponibles | |
|-----------|---|---------------------------------|---------------------|--|
| errors | Array | Erreur de zone | 3 | Élément motorisé non connecté |
| | | | 4 | Élément motorisé bloqué |
| | | | 5 | Sonde de température en circuit ouvert |
| | | | 6 | Sonde de température en court-circuit |
| | | | 7 | Élément incompatible |
| | | | 8 | Interruption des communications |
| | | Erreur du système | 9 | Erreur de communication passerelle – système |
| | | | 11 | Erreur de communication passerelle – unité |
| | | | 13 | Erreur de communication platine centrale – Module de contrôle des éléments rayonnants |
| | | | 14 | Erreur de communication platine centrale – module d'expansion |
| | | | 15 | Erreur de communication avec l'appareil de mesure de la consommation |
| | | | 16 | Erreur de mesure de l'appareil de mesure de la consommation |
| | | | C02 | Erreur de communication platine centrale du système – Centrale de contrôle de production |
| C09 | Erreur de communication passerelle PAC air-eau – Centrale de contrôle de production | | | |
| | | warning (Avertissement de zone) | | Présence activée |
| | | | | Fenêtre activée |
| | | | | Hors-gel |
| | | | | Protection rosée activée |

Si la requête **POST** ne s'effectue pas correctement, la réponse sera indiquée par le code **500** et par les descriptions suivantes du paramètre "errors" :

| Paramètre | Type de valeur | Description | Valeurs disponibles | |
|-----------|----------------|-------------|-----------------------|---------------------------------|
| errors | Array | Error | request malformed | Format de requête non valide |
| | | | zoneid not provided | Zone absente de la requête |
| | | | systemid not provided | Système absent de la requête |
| | | | zoneid out of range | Zone non valide (0 - 32) |
| | | | systemid out of range | Système non valide (0 - 32) |
| | | | zoneid not available | Zone non disponible |
| | | | internal error | Erreur interne de l'application |

| | | | | |
|--|--|--|----------------------|---|
| | | | driver not provided | Le driver n'est pas indiqué dans la requête |
| | | | method not supported | Méthode non supportée |

MÉTHODE PUT

La méthode **PUT** sert à modifier les valeurs d'une zone concrète.

La méthode s'applique de la façon suivante :

PUT <http://XXX.XXX.XXX.XX:3000/api/v1/hvac>

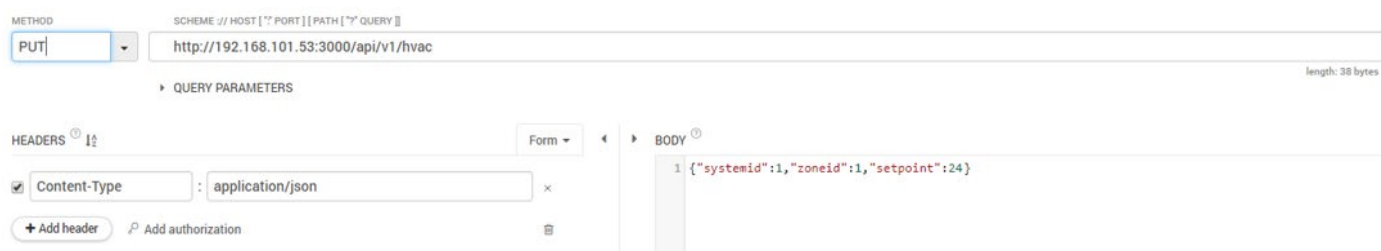
Où XXX.XXX.XXX.XX est l'adresse IP du Webserver Airzone.

Le port par défaut est 3000.

L'application ciblée est api/v1/hvac.

Avec le body

```
{
  "systemID": n (numéro du système),
  "zoneID": m (numéro de la zone),
  "paramètre" (paramètre à modifier, par exemple "setpoint"): f (valeur),
}
```



Paramètres de la requête PUT

La requête PUT permet la modification des paramètres suivants :

A: Flexa 3.0/Innobus Pro6, RadianT365, Acuazone, Easyzone Systems.

B: VAF, ZBS Systems.

C: Aidoo Pro.

| A | B | C | Paramètre | Tipo de valor | Descripción | Valores disponibles | |
|---|---|---|----------------------|---------------|---|------------------------------------|-----------------|
| ☑ | ☑ | | on | Integer | On ou Off | 0 | Off |
| | | | | | | 1 | On |
| ☑ | ☑ | | name | String | Nom de la zone | <i>Name of zone</i> | |
| ☑ | ☑ | ☑ | setpoint | Integer | Température de consigne | 59 to 86 for °F 18 to 30 for °C | |
| | ☑ | | coolsetpoint* | Integer | Température de consigne du mode refroidissement | 59 to 86 for °F 15 to 30 for °C | |
| | ☑ | | heatsetpoint* | Integer | Température de consigne du mode chauffage | 64 to 86 for °F 59 to 86 for °F | |
| ☑ | ☑ | ☑ | mode | Integer | Mode de fonctionnement | 1 | Stop |
| | | | | | | 2 | Refroidissement |
| | | | | | | 3 | Chauffage |

| | | | | | | | |
|---|---|---|------------------|---------|---------------------------|---|--------------------------------|
| | | | | | | 4 | Ventilation |
| | | | | | | 5 | Déshumidification |
| | | | | | | 7 | Auto* |
| ✓ | ✓ | ✓ | speed | Integer | Vitesse du ventilateur | 0 | Automatique |
| | | | | | | 1 | Vitesse faible |
| | | | | | | 2 | Vitesse moyenne |
| | | | | | | 3 | Vitesse élevée |
| | | | | | | 4 | Uniquement dans modules locaux |
| | | | | | ... | | |
| | | | | | 7 | | |
| ✓ | ✓ | | coldstage | Integer | Étapes de refroidissement | 1 | Air |
| | | | | | | 2 | Rayonnant |
| | | | | | | 3 | Combiné |
| ✓ | ✓ | | heatstage | Integer | Étapes de chauffage | 1 | Air |
| | | | | | | 2 | Rayonnant |
| | | | | | | 3 | Combiné |

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***Remarque :** Disponible uniquement sur les systèmes VAF / ZBS.

Si la requête **PUT** s'effectue correctement, la réponse sera indiquée par le code **200** et dégage les paramètres du système.

Si la requête **PUT** ne s'effectue pas correctement, la réponse sera indiquée par le code **500** et par les descriptions suivantes du paramètre "errors" :

| Paramètre | Type de valeur | Description | Valeurs disponibles | |
|-----------|----------------|-------------|-----------------------|---|
| errors | Array | Error | request malformed | Format de requête non valide |
| | | | zoneid not provided | Zone absente de la requête |
| | | | systemid not provided | Système absent de la requête |
| | | | zoneid out of range | Zone non valide (0 - 32) |
| | | | systemid out of range | Système non valide (0 - 32) |
| | | | zoneid not available | Zone non disponible |
| | | | internal error | Erreur interne de l'application |
| | | | driver not provided | Le driver n'est pas indiqué dans la requête |

INTÉGRATION

Vérifier l'intégration

Pour vérifier la version du driver installé.

POST <http://XXX.XXX.XXX.XX:3000/api/v1/integration>

Où l'adresse IP du Webserver est 192.168.101.53

Le port par défaut est 3000.

L'application ciblée est api/v1/integration.

Si la requête POST s'effectue correctement, la réponse sera indiquée par le code **200** et dégage les paramètres suivants :

```
{
  "driver": "intégreur"
}
```

Où "intégreur" est le système de contrôle à intégrer à Airzone.

Effectuer l'intégration

Pour établir la valeur de l'intégration.

PUT <http://XXX.XXX.XXX.XX:3000/api/v1/integration>

Où l'adresse IP du Webserver est 192.168.101.53

Le port par défaut est 3000.

L'application ciblée est api/v1/integration.

FR

Avec le body:

```
{  
  "driver": "intégreur"  
}
```

Où "intégreur" est le système de contrôle à intégrer à Airzone.

Si la requête **PUT** s'effectue correctement, la réponse sera indiquée par le code **200** et dégagera les paramètres suivants :

```
{  
  "driver": "intégreur"  
}
```

Où "intégreur" est le système de contrôle à intégrer à Airzone.

Si la requête **PUT** ne s'effectue pas correctement, la réponse sera indiquée par le code **500** et dégagera les paramètres suivants :

```
{  
  "errors": [{  
    "error": "integration not provided"  
  }]  
}
```

INDICE

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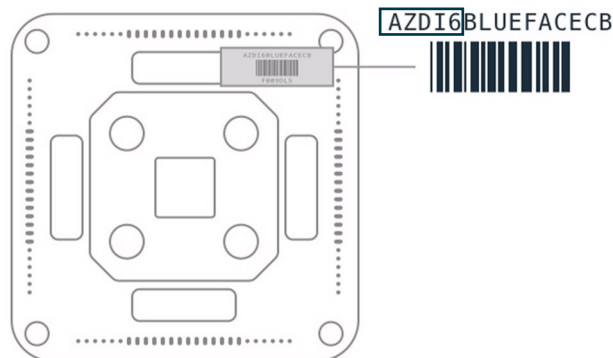
INTEGRAZIONE CON IL SISTEMA AIRZONE



Importante: Il Webserver Airzone Cloud Ethernet (AZX6WEBSCLLOUDC o AZX6WSCLLOUDDINC) deve disporre della versione 3.1.6 o superiore.

IDENTIFICAZIONE DEL SISTEMA

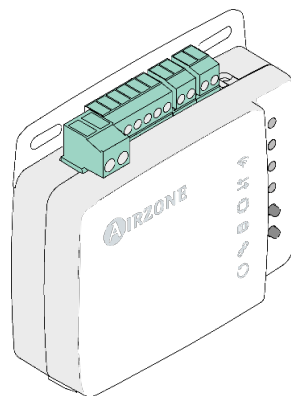
Per realizzare la configurazione è necessario prima di tutto identificare il sistema; per farlo, rimuovere il termostato Blueface dalla base e controllare il codice riportato sull'etichetta posteriore.



La configurazione del sistema cambierà a seconda del codice stampato sull'etichetta; per ulteriori informazioni, consultare la documentazione associata a ogni sistema:

| Classificazione | | Documentazione associata | |
|-----------------|----------------------------------|--------------------------|------------------------------------|
| AZCE6 | Sistema Flexa 3.0 / Innobus Pro6 | <u>Guida rapida</u> | <u>Manuale per l'installazione</u> |
| AZDI6 | Sistema Acuazone / Innobus Pro32 | <u>Guida rapida</u> | <u>Manuale per l'installazione</u> |
| AZRA6 | Sistema RadianT365 | <u>Guida rapida</u> | <u>Manuale per l'installazione</u> |
| AZVAF | Sistema VAF | <u>Guida rapida</u> | <u>Manuale per l'installazione</u> |
| AZZBS | Sistema ZBS | <u>Guida rapida</u> | <u>Manuale per l'installazione</u> |

Il sistema Aidoo Pro (AZAI6WSPxxx) non dispone di termostati, ma si potrà identificare cercando il dispositivo Aidoo Pro:



FUNZIONAMENTO DELLE RICHIESTE

Le richieste si realizzano verso un indirizzo, una porta e un'applicazione in particolare.

Es: <http://XXX.XXX.XXX.XX:3000/api/v1/xxx>

In cui XXX.XXX.XXX.XX è l'indirizzo IP del Webserver Airzone e la porta è la 3000.

Il sistema Airzone consente il controllo delle zone e dei parametri mediante richieste PUT e POST.

Metodo **POST**: estrarre dati dal sistema.

Metodo **PUT**: modificare dati del sistema.

METODO POST

Il metodo **POST** si usa per estrarre i dati di una zona in particolare.

Il metodo si realizza come segue:

POST <http://XXX.XXX.XXX.XX:3000/api/v1/hvac>

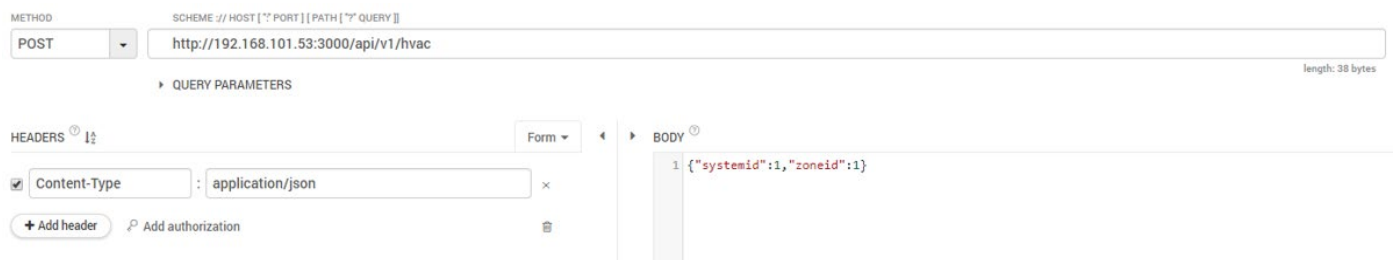
In cui XXX.XXX.XXX.XX è l'indirizzo IP del Webserver Airzone.

Per default, la porta è la 3000.

L'applicazione a cui si dirige è [api/v1/hvac](http://XXX.XXX.XXX.XX:3000/api/v1/hvac).

Con il body

```
{
  "systemID": n (numero del sistema),
  "zoneID": m (numero della zona)
}
```



Parametri della richiesta POST

Se la richiesta **POST** avviene in modo corretto, la risposta si indica con il codice **200** e restituirà i seguenti parametri:

A: Flexa 3.0/Innobus Pro6, RadianT365, Acuazone, Easyzone Systems.

B: VAF, ZBS Systems.

C: Aidoo Pro.

| A | B | C | Parámetro | Tipo de valor | Descripción | Valores disponibles |
|---|---|---|-----------------|---------------|--|--|
| ✓ | ✓ | ✓ | systemID | Integer | ID dal sistema da consultare | 1 a 32->A,B 1->C |
| ✓ | ✓ | ✓ | zoneID | Integer | ID della zona da consultare | 1 a 32->A,B 1->C |
| ✓ | ✓ | | name | String | Nome della zona | Nome della zona |
| ✓ | ✓ | ✓ | on | Boolean | Stato della zona. Acceso o spento | true false |
| ✓ | ✓ | ✓ | setpoint | Integer | Temperatura impostata | Da 15 a 30 per °C Da 59 a 86 per °F |
| ✓ | ✓ | ✓ | roomtemp | Integer | Temperatura ambiente | Numero |
| ✓ | ✓ | ✓ | maxtemp | Integer | Limite superiore temperatura impostata | Numero |
| ✓ | ✓ | ✓ | mintemp | Integer | Limite inferiore temperatura impostata | Numero |

| | | | | | | | |
|---|---|---|----------------------|---------|--|-------------------|------------------------------------|
| | ✓ | | coolsetpoint* | Integer | Temperatura impostata per il modo freddo | <i>Numero</i> | |
| | ✓ | | coolmaxtemp* | Integer | Limite superiore temperatura per il modo freddo | <i>Numero</i> | |
| | ✓ | | coolmintemp* | Integer | Limite inferiore temperatura per il modo freddo | <i>Numero</i> | |
| | ✓ | | heatsetpoint* | Integer | Temperatura impostata per il modo caldo | <i>Numero</i> | |
| | ✓ | | heatmaxtemp* | Integer | Limite superiore temperatura per il modo caldo | <i>Numero</i> | |
| | ✓ | | heatmintemp* | Integer | Limite inferiore temperatura per il modo caldo | <i>Numero</i> | |
| ✓ | ✓ | | modes | Array | Modes de fonctionnement disponibles pour le système | 1 | Stop |
| | | | | | | 2 | Freddo |
| | | | | | | 3 | Caldo |
| | | | | | | 4 | Ventilazione |
| | | | | | | 5 | Deumidificazione |
| | | | | | | 7 | Auto* |
| ✓ | ✓ | ✓ | mode | Integer | Mode de fonctionnement sélectionné pour le système | 1 | Stop |
| | | | | | | 2 | Freddo |
| | | | | | | 3 | Caldo |
| | | | | | | 4 | Ventilazione |
| | | | | | | 5 | Deumidificazione |
| | | | | | | 7 | Auto* |
| ✓ | ✓ | ✓ | speeds | Integer | Vitesses du ventilateur disponibles pour le système | 0 | Auto |
| | | | | | | 1 | Velocità bassa |
| | | | | | | 2 | Velocità media |
| | | | | | | 3 | Velocità alta |
| | | | | | | 4 | Solo in modulo di zona individuale |
| | | | | | | ... | |
| | | | | | | 7 | |
| ✓ | ✓ | ✓ | speed | Integer | Vitesse du ventilateur sélectionnée pour le système | 0 | Auto |
| | | | | | | 1 | Velocità bassa |
| | | | | | | 2 | Velocità media |
| | | | | | | 3 | Velocità alta |
| | | | | | | 4 | Solo in modulo di zona individuale |
| | | | | | | ... | |
| | | | | | | 7 | |
| ✓ | ✓ | | coldstages | Integer | Étapes de refroidissement disponibles pour le système / zone | 1 | Aria |
| | | | | | | 2 | Radiante |
| | | | | | | 3 | Combinato |
| ✓ | ✓ | | coldstage | Integer | Étape de refroidissement en fonctionnement | 1 | Aria |
| | | | | | | 2 | Radiante |
| | | | | | | 3 | Combinato |
| ✓ | ✓ | | heatstages | Integer | Étapes de chauffage disponibles pour le système / zone | 1 | Aria |
| | | | | | | 2 | Radiante |
| | | | | | | 3 | Combinato |
| ✓ | ✓ | | heatstage | Integer | Étape de chauffage en fonctionnement | 1 | Aria |
| | | | | | | 2 | Radiante |
| | | | | | | 3 | Combinato |
| ✓ | ✓ | | humidity | Integer | Humidité relative de la zone | <i>Numero (%)</i> | |
| ✓ | ✓ | ✓ | units | Integer | Unité de mesure de la température | 0 | CELSIUS |
| | | | | | | 1 | FAHRENHEIT |

| | | | | | | | |
|---|---|---|---|---------|--|---|--------------|
| ✓ | ✓ | | air_demand | Integer | Demande d'air dans le système | 0 | Disabilitate |
| | | | | | | 1 | Abilitate |
| ✓ | ✓ | | floor_demand | Integer | Demande de plancher dans le système | 0 | Disabilitate |
| | | | | | | 1 | Abilitate |
| ✓ | ✓ | ✓ | slats_vertical slats_horizont al | Integer | Posizione della lama verticale/orizzontale | 0 | 1 Posizione |
| | | | | | | 1 | 2 Posizione |
| | | | | | | 2 | 3 Posizione |
| | | | | | | 3 | 4 Posizione |
| ✓ | ✓ | ✓ | aq_quality | Integer | Qualità dell'aria | 0 | Off |
| | | | | | | 1 | Bonne |
| | | | | | | 2 | Media |
| | | | | | | 3 | Basso |
| ✓ | ✓ | ✓ | aq_mode | Integer | Modalità di ionizzazione | 0 | Off |
| | | | | | | 1 | On |
| | | | | | | 2 | Auto |

Il parametro "errors" indica il tipo di errore o "warning" e la zona in cui si trova.

| Parametro | Tipo di valore | Descrizione | Valori disponibili | |
|-----------|----------------|--------------------------|---|--|
| errors | Array | Errore di zona | 3 | Elemento motorizzato non collegato |
| | | | 4 | Elemento motorizzato bloccato |
| | | | 5 | Sonda di temperatura in circuito aperto |
| | | | 6 | Sonda di temperatura in cortocircuito |
| | | | 7 | Elemento incompatibile |
| | | | 8 | Perdita delle comunicazioni |
| | | Errore di sistema | 9 | Errore di comunicazione interfaccia - sistema |
| | | | 11 | Errore di comunicazione interfaccia - unità |
| | | | 13 | Errore di comunicazione scheda centrale - modulo di controllo degli elementi radianti |
| | | | 14 | Errore di comunicazione scheda centrale - modulo di espansione |
| | | | 15 | Errore di comunicazione con il misuratore di consumo |
| | | | 16 | Errore nella misura del misuratore di consumo |
| | | | C02 | Errore di comunicazione scheda centrale del sistema - centrale di controllo produzione |
| | | C09 | Errore di comunicazione interfaccia idronica - centrale di controllo produzione | |
| | | warning (Avviso di zona) | | Presenza attiva |
| | | | | Finestra attiva |
| | | | | Antigelo |
| | | | | Protezione umidità attiva |

Se la richiesta **POST** avviene in modo errato, la risposta si indica con il codice **500** e le seguenti descrizioni del parametro "errors":

| Parametro | Tipo di valore | Descrizione | Valori disponibili | |
|-----------|----------------|----------------------|-----------------------|--------------------------------------|
| errors | Array | Error | request malformed | Formato della richiesta errato |
| | | | zoneid not provided | Zona non presente nella richiesta |
| | | | systemid not provided | Sistema non presente nella richiesta |
| | | | zoneid out of range | Zona non valida (0 - 32) |
| | | | systemid out of range | Sistema non valido (0 - 32) |
| | | | zoneid not available | Zona non disponibile |
| | | | internal error | Errore interno nell'applicazione |
| | | | driver not provided | Driver non indicato nella richiesta |
| | | method not supported | Metodo non supportato | |

METODO PUT

Il metodo **PUT** si usa per modificare i valori di una zona in particolare.

Il metodo si realizza come segue:

PUT <http://XXX.XXX.XXX.XX:3000/api/v1/hvac>

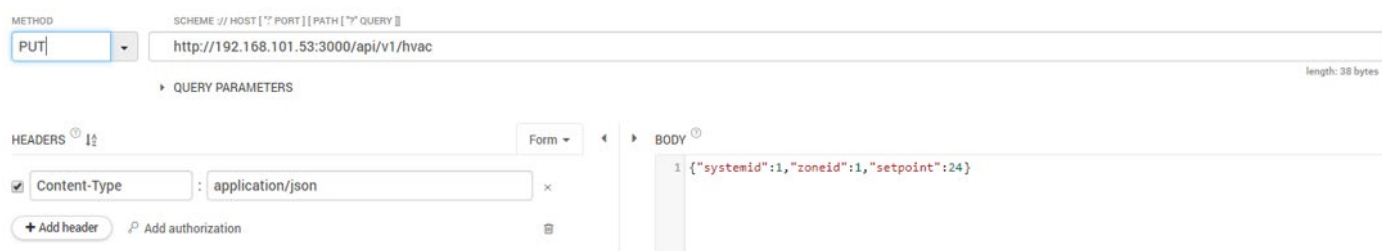
In cui XXX.XXX.XXX.XX è l'indirizzo IP del Webserver Airzone.

Per default, la porta è la 3000.

L'applicazione a cui si dirige è api/v1/hvac.

Con il body

```
{
  "systemID": n (numero del sistema),
  "zoneID": m (numero della zona),
  "Parametro" (parametro da modificare, ad esempio "setpoint"): f (valore),
}
```



Parametri della richiesta PUT

La richiesta PUT consente di modificare i seguenti parametri:

A: Flexa 3.0/Innobus Pro6, RadianT365, Acuazone, Easyzone Systems.

B: VAF, ZBS Systems.

C: Aidoo Pro.

| A | B | C | Parámetro | Tipo de valor | Descripción | Valores disponibles | |
|-------------------------------------|-------------------------------------|-------------------------------------|----------------------|---------------|---|------------------------------------|------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | on | Integer | On ou Off | 0 | Off |
| | | | | | | 1 | On |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | name | String | Nom de la zone | Nome della zona | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | setpoint | Integer | Température de consigne | 15 to 30 for °C 59 to 86 for °F | |
| | <input checked="" type="checkbox"/> | | coolsetpoint* | Integer | Température de consigne du mode refroidissement | 18 to 30 for °C 59 to 86 for °F | |
| | <input checked="" type="checkbox"/> | | heatsetpoint* | Integer | Température de consigne du mode chauffage | 15 to 30 for °C 64 to 86 for °F | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | mode | Integer | Mode de fonctionnement | 1 | Stop |
| | | | | | | 2 | Freddo |
| | | | | | | 3 | Caldo |
| | | | | | | 4 | Ventilazione |
| | | | | | | 5 | Deumidificazione |
| | | | | | | 7 | Auto* |

| | | | | | | | |
|---|---|---|------------------|---------|---------------------------|---------------|------------------------------------|
| ✓ | ✓ | ✓ | speed | Integer | Vitesse du ventilateur | 0 | Auto |
| | | | | | | 1 | Velocità bassa |
| | | | | | | 2 | Velocità media |
| | | | | | | 3 | Velocità alta |
| | | | | | | 4 ... 7 | Solo in modulo di zona individuale |
| ✓ | ✓ | | coldstage | Integer | Étapes de refroidissement | 1 | Aria |
| | | | | | | 2 | Radiante |
| | | | | | | 3 | Combinato |
| ✓ | ✓ | | heatstage | Integer | Étapes de chauffage | 1 | Aria |
| | | | | | | 2 | Radiante |
| | | | | | | 3 | Combinato |

IT

Se la richiesta **PUT** avviene in modo corretto, la risposta si indica con il codice **200** e restituirà i parametri del sistema.

Se la richiesta **PUT** avviene in modo errato, la risposta si indica con il codice **500** e restituirà le seguenti descrizioni del parametro "errors":

| Parametro | Tipo di valore | Descrizione | Valori disponibili | |
|-----------|----------------|-------------|-----------------------|--------------------------------------|
| errors | Array | Error | request malformed | Formato della richiesta errato |
| | | | zoneid not provided | Zona non presente nella richiesta |
| | | | systemid not provided | Sistema non presente nella richiesta |
| | | | zoneid out of range | Zona non valida (0 – 32) |
| | | | systemid out of range | Sistema non valido (0 – 32) |
| | | | zoneid not available | Zona non disponibile |
| | | | internal error | Errore interno nell'applicazione |
| | | | driver not provided | Driver non indicato nella richiesta |

INTEGRAZIONE

Verificare l'integrazione

Per verificare la versione del driver installato.

POST <http://XXX.XXX.XXX.XX:3000/api/v1/integration>

In cui l'indirizzo IP del Webserver è 192.168.101.53

Per default, la porta è la 3000.

L'applicazione a cui si dirige è api/v1/integration.

Se la richiesta POST avviene in modo corretto, la risposta si indica con il codice **200** e restituirà i seguenti parametri:

```
{
  "driver": "integratore"
}
```

In cui "integratore" è il sistema di controllo da integrare con Airzone.

Stabilire l'integrazione

Per stabilire il valore dell'integrazione.

PUT <http://XXX.XXX.XXX.XX:3000/api/v1/integration>

In cui l'indirizzo IP del Webserver è 192.168.101.53

Per default, la porta è la 3000.

L'applicazione a cui si dirige è `api/v1/integration`.

Con il body:

```
{  
  "driver": "integratore"  
}
```

In cui "integratore" è il sistema di controllo da integrare con Airzone.

Se la richiesta **PUT** avviene in modo corretto, la risposta si indica con il codice **200** e restituirà i seguenti parametri:

```
{  
  "driver": "integratore"  
}
```

IT

In cui "integratore" è il sistema di controllo da integrare con Airzone.

Se la richiesta **PUT** avviene in modo errato, la risposta si indica con il codice **500** e restituirà i seguenti parametri:

```
{  
  "errors": [{  
    "error": "integration not provided"  
  }]  
}
```

AIRZONE

Parque Tecnológico de Andalucía

C/ Marie Curie, 21 – 29590

Campanillas – Málaga - España

Teléfono: +34 900 400 445

Fax: +34 902 400 446

<http://www.myzone.airzone.es>

Parc Tertiaire Silic – Immeuble Panama

45 Rue Villeneuve

94573 Rungis - France

Téléphone : +33 184 884 695

Fax : +33 144 042 114

<http://www.myzone.airzonefrance.fr>

Via Fabio Filzi, 19/E – 20032

Cormano – Milano - Italia

Telefono: +39 02 56814756

Fax: +39 02 56816158

<http://www.myzone.airzoneitalia.it>



MIAX6CLAPIMUL104