

## PREVAC\_VCH01 Tango Cpp Class

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### **PREVAC\_VCH01 Class Identification :**

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Class Family : Miscellaneous

Platform : All Platforms

Bus : RS485

Manufacturer : PREVAC

Manufacturer ref. : VCH01

### **PREVAC\_VCH01 Class Inheritance :**

- [Tango::DeviceImpl](#)
  - PREVAC\_VCH01

### **PREVAC\_VCH01 Class Description :**

controls the light controller VCH01 from PREVAC

## PREVAC\_VCH01 Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
SerialProxy	name of the Tango Serial line device proxy	String	must be defined

PREVAC_VCH01 Class Commands				
Name	Input type	Output type	Level	Description
<a href="#">State</a>	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its <i>device_state</i> data member) and returns it to the caller.
<a href="#">Status</a>	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its <i>device_status</i> data member) and returns it to the caller.
<a href="#">Off</a>	DEV_VOID	DEV_VOID	OPERATOR	switches light OFF
<a href="#">On</a>	DEV_VOID	DEV_VOID	OPERATOR	None.

## Command State :

This command gets the device state (stored in its *device\_state* data member) and returns it to the caller.

State Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::DEV_STATE	State Code
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	false	..

Polling Period	Not polled	..
Command allowed for	All states	..

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### **Command Status :**

This command gets the device status (stored in its *device\_status* data member) and returns it to the caller.

<b>Status Definition</b>		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::CONST_DEV_STRING	Status description
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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### **Command Off :**

switches light OFF

<b>Off Definition</b>		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..

Command allowed for	All states	..
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**Command On :**

On Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

PREVAC_VCH01 Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
<a href="#">brightness</a>	false	false	Scalar	READ_WRITE	Tango::DEV_SHORT	OPERATOR	Brightness in %
<a href="#">time</a>	false	false	Scalar	READ_WRITE	Tango::DEV_SHORT	OPERATOR	Write : Time in minutes of lighting Read : Time remaining

**There is no dynamic attribute defined.**

## **Attribute brightness :**

Brightness in %

<b>Attribute Definition</b>	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_SHORT
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	Not set
Read allowed for	All states
Write allowed for	All states

<b>Attribute Properties</b>	
label	Brightness %
unit	%
standard unit	%
display unit	%
format	%3d
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

<b>Attribute Event Criteria</b>	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

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## **Attribute time :**

Write : Time in minutes of lighting \nRead : Time remaining



Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_SHORT
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	Not set
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	Time (min.)
unit	mn
standard unit	mn
display unit	min.
format	%3d
max_value	600
min_value	0
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

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**There is no state defined**