



TANGO
Device
Server

Haake Chiller User's Guide

HaakeChiller Class

Revision: - Author: tnunez
Implemented in C++

Introduction:

Class for controlling the Haake chiller.

Class Identification:

- **Contact** : at mail.desy.de - tnunez
- **Class Family** : Instrumentation
- **Platform** : Unix Like
- **Bus** : Socket
- **Manufacturer** : Haake
- **Reference** : Chiller F6 and N6

Class Inheritance:

- Tango::Device_4Impl
 - HaakeChiller

Properties:

Device Properties		
Property name	Property type	Description
PortNb	Tango::DEV_LONG	Port Number
IpAddr	Tango::DEV_STRING	Ip address of the terminal server
SimulationMode	Tango::DEV_ULONG	0 -> real mode, 1 -> simulation mode

Device Properties Default Values:

Property Name	Default Values
PortNb	10002
IpAddr	No default value
SimulationMode	0

There is no Class properties.

States:

States	
Names	Descriptions
ON	
FAULT	

Attributes:

Scalar Attributes			
Attribute name	Data Type	R/W Type	Expert
IstTemperature	DEV_FLOAT	READ	No
SollTemperature	DEV_FLOAT	READ_WRITE	No
ClosedLoop: 0 -> off, 1 -> on	DEV_LONG	READ_WRITE	No
AlarmStatus	DEV_STRING	READ	No
ErrorInfo	DEV_STRING	READ	No

Commands:

More Details on commands....

Device Commands for Operator Level		
Command name	Argument In	Argument Out
Init	DEV_VOID	DEV_VOID
State	DEV_VOID	DEV_STATE
Status	DEV_VOID	CONST_DEV_STRING
ConfirmAlarm	DEV_VOID	DEV_VOID
SwitchOffOn	DEV_LONG	DEV_VOID
RemoteControlOffOn	DEV_LONG	DEV_VOID

1 - Init

- Description:** This commands re-initialise a device keeping the same network connection.
 After an Init command executed on a device, it is not necessary for client to re-connect to the device.
 This command first calls the device *delete_device()* method and then execute its *init_device()* method.
 For C++ device server, all the memory allocated in the *nit_device()* method must be freed in the *delete_device()* method.
 The language device desctructor automatically calls the *delete_device()* method.
- Argin:**
DEV_VOID : none.
- Argout:**
DEV_VOID : none.

- **Command allowed for:**

- Tango::ON
- Tango::FAULT

2 - State

- **Description:** This command gets the device state (stored in its *device_state* data member) and returns it to the caller.

- **Argin:**

DEV_VOID : none.

- **Argout:**

DEV_STATE : State Code

- **Command allowed for:**

- Tango::ON
- Tango::FAULT

3 - Status

- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.

- **Argin:**

DEV_VOID : none.

- **Argout:**

CONST_DEV_STRING : Status description

- **Command allowed for:**

- Tango::ON
- Tango::FAULT

4 - ConfirmAlarm

- **Description:** Confirm alarm

- **Argin:**

DEV_VOID :

- **Argout:**

DEV_VOID :

- **Command allowed for:**

- Tango::ON

- Tango::FAULT

5 - SwitchOffOn

- **Description:** Switch device off or on.
- **Argin:**
DEV_LONG : 0 -> switch off, 1 -> switch on
- **Argout:**
DEV_VOID :
- **Command allowed for:**
 - Tango::ON
 - Tango::FAULT

6 - RemoteControlOffOn

- **Description:** Switch between remote control or ENTER-key.
- **Argin:**
DEV_LONG : 0 -> off, 1 -> on
- **Argout:**
DEV_VOID :
- **Command allowed for:**
 - Tango::ON
 - Tango::FAULT

TANGO is an open source project hosted by :
SOURCEFORGE.NET®

Core and Tools : CVS repository on tango-cs project
Device Servers : CVS repository on tango-ds project