



TANGO
Device
Server

Cryo Cooler project User's Guide

CryoAnalogValve Class

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Implemented in C++ - CVS repository: tango-ds

Introduction:

handles and controls analog valves (V10, V11, V17)

Class Inheritance:

- Tango::Device_4Impl
 - CryoAnalogValve

Class Description:

handles general informations on CryoCooler instantiates the HW polling thread must be the 1st class created in factory

Properties:

Device Properties		
Property name	Property type	Description
ValveName	Tango::DEV_STRING	Name of the Analog Valve must be in [V10 V11 V17]

Device Properties Default Values:

Property Name	Default Values
ValveName	No default value

There is no Class properties.

Attributes:

Scalar Attributes			
Attribute name	Data Type	R/W Type	Expert
aperture: Aperture of the valve in %	DEV_DOUBLE	READ_WRITE	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
Close	DEV_VOID	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:**

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:**

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:**

4 - Close

- **Description:** closes the valve
- **Argin:**
DEV_VOID :
- **Argout:**
DEV_VOID :
- **Command allowed for:**

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