

MercuryiTCTempCtrl Tango Cpp Class

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MercuryiTCTempCtrl Class

Identification :

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Class Family : Instrumentation

Platform : Unix Like

Bus : TCP/UDP

Manufacturer : Oxford Instruments

Manufacturer ref. : MercuryiTC

MercuryiTCTempCtrl Class

Inheritance :

- [Tango::DeviceImpl](#)
 - MercuryiTCTempCtrl

MercuryiTCTempCtrl Class Description :

Class form controlling the MercuryiTC temperature controller from Oxford Instruments

MercuryiTCTempCtrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
HostName	Hostname of the MercuryiTC controller.	String	none
PortNb	Port number of the MercuryiTC controller	int	none
SimulationMode	1 if simulation mode	int	0

MercuryiTCTempCtrl Class Commands				
Name	Input type	Output type	Level	Description
State	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its device_state data member) and returns it to the caller.
Status	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its device_status data member) and returns it to the caller.
WriteReadRaw	DEV_STRING	DEV_STRING	OPERATOR	Writes commands to the device and returns the answer
				Read without

ReadOnly	DEV_VOID	DEV_STRING	OPERATOR	writing,
WriteReadOnlyOnce	DEV_STRING	DEV_STRING	OPERATOR	Writes commands to the device and returns the answer only reading once. To be used in the thread reading all attributes for avoiding timeouts.

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	Device state
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Status :

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

Status Definition		
Input Argument	Tango::DEV_VOID	none
Output Argument	Tango::CONST_DEV_STRING	Device status
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command WriteReadRaw :

Writes commands to the device and returns the answer

WriteReadRaw Definition		
Input Argument	Tango::DEV_STRING	Raw command
Output Argument	Tango::DEV_STRING	Raw answer
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command ReadOnly :

Read without writing,

ReadOnly Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_STRING	String from device
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command WriteReadOnlyOnce :

Writes commands to the device and returns the answer only reading once.
To be used in the thread reading all attributes for avoiding timeouts.

WriteReadOnlyOnce Definition		
Input Argument	Tango::DEV_STRING	Raw command
Output Argument	Tango::DEV_STRING	Raw answer
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

There is no attribute defined.

There is no dynamic attribute defined.

MercuryiTCTempCtrl Class States	
Name	Description
ON	
FAULT	