

## LEDSchottCtrl Tango Cpp Class

### Contents :

- [Description](#)
  - [Properties](#)
  - [Commands](#)
    - [State](#)
    - [Status](#)
    - [WriteSocket](#)
    - [WriteReadSocket](#)
    - [CloseSocket](#)
  - [Attributes](#)
  - [States](#)
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### LEDSchottCtrl Class Identification :

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Class Family : Instrumentatio  
Platform : Unix Like  
Bus : VME  
Manufacturer : Schott  
Manufacturer ref. : LLS-LED Light Source

### LEDSchottCtrl Class Inheritance :

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

### LEDSchottCtrl Class Description :

Class connecting the Socket for the Schott LLS-LED Lighting System

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# FMB Oxford Double Crystal Monochromator Controller Device Description

## FMBOxfDCMCtrl Class

Revision: - Author:

Class connecting to the Double Crystal Monochromator Drive from FMB Oxford via RS232

### LEDSchottCtrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
PortNb	RS232 Port Number	int	0
IpAddr	Ip address of the terminal server	String	none
SimulationMode	0 -> real mode, 1 -> simulation mode	int	none
DirectEthernetConnection	If 1 the connection is done without terminal server, It requires closing the socket connection after each readout.	int	0

### LEDSchottCtrl 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="#">WriteSocket</a>	DEV_STRING	DEV_VOID	OPERATOR	Send a command to the Socket
<a href="#">WriteReadSocket</a>	DEV_STRING	DEV_STRING	OPERATOR	Write a command to the socket and get the answer.
<a href="#">CloseSocket</a>	DEV_VOID	DEV_VOID	OPERATOR	Close socket connection.

## **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	true	..
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	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

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## **Command WriteSocket :**

Send a command to the Socket

<b>WriteSocket Definition</b>		
Input Argument	Tango::DEV_STRING	Command
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 WriteReadSocket :**

Write a command to the socket and get the answer.

<b>WriteReadSocket Definition</b>		
Input Argument	Tango::DEV_STRING	Command
Output Argument	Tango::DEV_STRING	Answer
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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### **Command CloseSocket :**

Close socket connection.

<b>CloseSocket Definition</b>		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..

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

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**There is no attribute defined.**

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**There is no dynamic attribute defined.**

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<b>LEDSchottCtrl Class States</b>	
<b>Name</b>	<b>Description</b>
ON	Connection open.
FAULT	Problems in connection.