

IPGLaserYLRCtrl Tango Cpp Class

Contents :

- [Description](#)
- [Properties](#)
- [Commands](#)
 - [State](#)
 - [Status](#)
 - [WriteYLRSM](#)
 - [WriteReadYLRAC](#)
 - [CloseSocket](#)
 - [WriteReadYLRSM](#)
- [Attributes](#)
- [States](#)

IPGLaserYLRCtrl Class Identification :

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Class Family : Instrumentation
Platform : Unix Like
Bus : Socket
Manufacturer : IPG Laser
Manufacturer ref. : YLR-100

IPGLaserYLRCtrl Class Inheritance :

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

IPGLaserYLRCtrl Class Description :

Class connecting to the IPG lasers YLR

IPGLaserYLRCtrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
PortNb	RS232 Port Number (terminal server)	int	0
IpAddr	Ip address of the terminal server (terminal server)	String	none
SimulationMode	0 -> real mode, 1 -> simulation mode	int	none
TerminalPort	Name of the device in /dev (USB connection)	String	none

IPGLaserYLRCtrl Class Commands				
Name	Input type	Output type	Level	Description
State	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.
Status	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.
WriteYLRSM	DEVVAR_LONGSTRINGARRAY	DEV_VOID	OPERATOR	Send a command to the YLR SM laser.
WriteReadYLRAC	DEV_STRING	DEV_STRING	OPERATOR	Write a command to the YLR AC laser and get the answer.
CloseSocket	DEV_VOID	DEV_VOID	OPERATOR	Close socket connection.
				Send a

WriteReadYLRSM	DEV_LONG	DEV_STRING	OPERATOR	command to the YLR SM laser and return the answer.
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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	..

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	Status description
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..

Command allowed for	All states	..
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Command WriteYLRSM :

Send a command to the YLR SM laser.

WriteYLRSM Definition		
Input Argument	Tango::DEVVAR_LONGSTRINGARRAY	Command as long, argument as string
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command WriteReadYLRAC :

Write a command to the YLR AC laser and get the answer.

WriteReadYLRAC Definition		
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	..

Command CloseSocket :

Close socket connection.

CloseSocket 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	..

Command WriteReadYLRSM :

Send a command to the YLR SM laser and return the answer.

WriteReadYLRSM Definition		
Input Argument	Tango::DEV_LONG	N for the command.
Output Argument	Tango::DEV_STRING	Return value.
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.

IPGLaserYLRCtrl Class States	
Name	Description
ON	Connection open.
FAULT	Problems in connection.