PiezoPiGpibCtrl Tango Cpp Class

Contents :

PiezoPiGpibCtrl Class Identification :

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Class Family	: Motion
Platform	: Unix Like
Bus	: GPIB
Manufacturer	: Physical Instruments
Manufacturer ref.	: Piezos

PiezoPiGpibCtrl Class Inheritance :

- Tango::DeviceImpl
  - PiezoPiGpibCtrl

PiezoPiGpibCtrl Class Description :

Controller for gpib connection with piezos from Physical Instruments (PiezoPi)

PiezoPiGpibCtrl Properties :

There is no class properties

Device Properties			
Name	**Description**	**Type**	**Default Value**
GpibBoardId	Board Id	short	0
GpibDeviceAddress	The GPIB device address	short	none
GpibDeviceTimeOut	This is the GPIB device Time Out. Warning this is a predefined value: #define TNONE 0 Infinite timeout (disabled) #define T10us 1 Timeout of 10 us (ideal) #define T30us 2 Timeout of 30 us (ideal) #define T100us 3 Timeout of 100 us (ideal) #define T300us 4 Timeout of 300 us (ideal) #define T1ms 5 Timeout of 1 ms (ideal) #define T3ms 6 Timeout of 3 ms (ideal) #define T10ms 7 Timeout of 10 ms (ideal) #define T30ms 8 Timeout of 30 ms (ideal) #define T100ms 9 Timeout of 100 ms (ideal) #define T300ms 10 Timeout of 300 ms (ideal) #define T1s 11 Timeout of 1 s (ideal) #define T3s 12 Timeout of 3 s (ideal) #define T10s 13 Timeout of 10 s (ideal) #define T30s 14 Timeout of 30 s (ideal) #define T100s 15 Timeout of 100 s (ideal) #define T300s 16 Timeout of 300 s (ideal) #define T1000s 17 Timeout of 1000 s (maximum)	short	none
GpibDeviceSecondaryAddress	Second address of the gpib device.	short	none
SimulationMode	0 -> real mode, 1 -> simulation mode	int	0

PiezoPiGpibCtrl 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.
GPIBWrite	DEV_STRING	DEV_VOID	OPERATOR	Write a command to gpib.
GPIBWriteRead	DEV_STRING	DEV_STRING	OPERATOR	Write a command and get an answer.

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	..

Command GPIBWrite :

Write a command to gpib.

GPIBWrite Definition		
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	..

Command GPIBWriteRead :

Write a command and get an answer.

GPIBWriteRead 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	..

There is no attribute defined.

There is no dynamic attribute defined.

PiezoPiGpibCtrl Class States

Name	Description
ON	Device is OK
FAULT	Not able to connect GPIB device