

RaspPiFastShutterCtrl Tango Python Class

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RaspPiFastShutterCtrl Class Identification :

Contact : at mail.desy.de - tnunez
Class Family : OtherInstruments
Platform : Unix Like
Bus : Not Applicable
Manufacturer : none
Manufacturer ref. :

RaspPiFastShutterCtrl Class Inheritance :

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

RaspPiFastShutterCtrl Class Description :

Control of the fast shutter via PiLC

RaspPiFastShutterCtrl Properties :

There is no class properties

There is no device properties

RaspPiFastShutterCtrl 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.

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	..

RaspPiFastShutterCtrl Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
Mode	false	false	Scalar	READ_WRITE	Tango::DEV_LONG	OPERATOR	Run Mode: 0 -> Always open 1 -> Always closed 2 -> Controlled by timer
ModeDescription	false	false	Scalar	READ	Tango::DEV_STRING	OPERATOR	Description of the current mode.
ModeInfo	false	false	Spectrum	READ	Tango::DEV_STRING	OPERATOR	Info about changing mode writing to Mode attribute.

There is no dynamic attribute defined.

Attribute Mode :

Run Mode:
0 -> Always open
1 -> Always closed
2 -> Controlled by timer

Attribute	Attribute	Attribute Event Criteria
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Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_LONG
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states
Write allowed for	All states

Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	2
min_value	0
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	false

Attribute ModeDescription :

Description of the current mode.

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user	

delta_val

code	false
Push Archive event by user code	false
Push DataReady event by user code	false

Attribute ModelInfo :

Info about changing mode writing to Mode attribute.

Attribute Definition	
Attribute Type	Spectrum (4)
R/W Type	READ
Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	false

RaspPiFastShutterCtrl Class States

Name	Description
ON	
FAULT	