

SmarActSDCCtrl Tango Cpp Class

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SmarActSDCCtrl Class Identification :

Contact : at desy.de - johannes.blume
Class Family : Motion
Platform : Unix Like
Bus : Not Applicable
Manufacturer : Smaract
Manufacturer :
ref. <http://www.smaract.de/index.php/products/controlsystems/sdc>

SmarActSDCCtrl Class Inheritance :

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

SmarActSDCCtrl Class Description :

SmarActSDCCtrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
HostName	host name / ip address of terminal server	String	""
PortNumber	port number on terminal server	String	""
DeviceFile	tty device file name	String	""
BaudRate	baud rate of device	int	0
ConnectType	either `serial` or `net`	String	""

SmarActSDCCtrl 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.
CalibrateSensor	DEV_VOID	DEV_VOID	OPERATOR	command may be used to increase the accuracy of the position calculation
Home	DEV_VOID	DEV_VOID	OPERATOR	find reference mark
Stop	DEV_VOID	DEV_VOID	OPERATOR	None.

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 CalibrateSensor :

command may be used to increase the accuracy of the position calculation

CalibrateSensor 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 Home :

find reference mark

Home 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 Stop :

Stop 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	..

SmarActSDCctrl Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
HomeDirection	false	false	Scalar	READ_WRITE	Tango::DEV_BOOLEAN	OPERATOR	false => forward true => backward
Position	false	false	Scalar	READ	Tango::DEV_DOUBLE	OPERATOR	

CtrlStatus	false	false	Scalar	READ	Tango::DEV_SHORT	OPERATOR
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There is no dynamic attribute defined.

Attribute HomeDirection :

false => forward
true => backward

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

Attribute Position :

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
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

Attribute CtrlStatus :

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_SHORT
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	

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

min_warning	
delta_time	
delta_val	

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

There is no state defined