

Tectra3500 Tango Cpp Class

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Tectra3500 Class Identification :

Contact : at desy.de - johannes.blume
Class Family : Miscellaneous
Platform : Unix Like
Bus : Not Applicable
Manufacturer : tectra GmbH
Manufacturer ref. : <http://www.tectra.de/heater.htm>

Tectra3500 Class Inheritance :

- [Tango::DeviceImpl](#)
 - Tectra3500

Tectra3500 Class Description :

Tango Device server to control a tectra Heater controller HC3500

Tectra3500 Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
HostName	terminal server host name /ip address	String	""
DeviceFile	tty device file name	String	""
ConnectType	either `net` or `serial`	String	""
PortNumber	port number on terminal server	String	none
BaudRate	tty baud rate	int	0
DeviceAddress	address of heater device	short	1

Tectra3500 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.
Run	DEV_VOID	DEV_VOID	OPERATOR	Start heating
Stop	DEV_VOID	DEV_VOID	OPERATOR	Stop heating

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	false	..
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 Run :

Start heating

Run Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	• FAULT	..

Command Stop :

Stop heating

Stop Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	• FAULT	..

Tetra3500 Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
ProcessValue	false	false	Scalar	READ	Tango::DEV_DOUBLE	OPERATOR	
SetPoint	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	

There is no dynamic attribute defined.

Attribute ProcessValue :

Attribute Definition
Scalar

Attribute Properties
label

Attribute Event Criteria	
Periodic	Not set

Attribute Type	
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read NOT allowed for	<ul style="list-style-type: none"> • FAULT

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

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 SetPoint :

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read NOT allowed for	<ul style="list-style-type: none"> • FAULT
Write NOT allowed for	<ul style="list-style-type: none"> • FAULT

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

Tetra3500 Class States	
Name	Description
ON	
FAULT	
ALARM	