

LACFurnace Tango Python Class

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LACFurnace Class Identification :

Contact : at mail.desy.de - tnunez
Class Family : Temperature
Platform : Unix Like
Bus : Serial Line
Manufacturer : LAC
Manufacturer ref. : Furnace

LACFurnace Class Inheritance :

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

LACFurnace Class Description :

LAC furnace control

LACFurnace Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
SerialPort	Serial port	String	/dev/ttyS0
IPAdress	IPAdress from terminal server. If set to None connection is done via Serial port	String	None
PortNb	Port number in the terminal server	int	-1

LACFurnace 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.
StartHeating	DEV_VOID	DEV_VOID	OPERATOR	Start heating
ProgramFurnace	DEV_VOID	DEV_VOID	OPERATOR	Program furnace with the file set in ProgramFile attribute

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	..
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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 StartHeating :

Start heating

StartHeating 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 ProgramFurnace :

Program furnace with the file set in ProgramFile attribute

ProgramFurnace 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	..

LACFurnace Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
Temperature	false	false	Scalar	READ	Tango::DEV_DOUBLE	OPERATOR	
ProgramFile	false	false	Scalar	READ_WRITE	Tango::DEV_STRING	OPERATOR	File for programming the furnace (with full path)

There is no dynamic attribute defined.

Attribute Temperature :

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 ProgramFile :

File for programming the furnace (with full path)

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	
max_alarm	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not

Write hardware at init.	true
Read allowed for	All states
Write allowed for	All states

min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

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

LACFurnace Class States	
Name	Description
ON	
MOVING	
FAULT	