


TANGO Device Server

Project PLC RF Ampli Anneau User's Guide

RF_AMPLI_ANS Class

Revision: release_1_0_0 - Author: buteau
Implemented in C++

Introduction:

This class Starts and stops the RF Ampli converters

Class Inheritance:

- Tango::Device_3Impl
  - RF_AMPLI_ANS

Properties:

Device Properties		
Property name	**Property type**	**Description**
Url	Tango::DEV_STRING	The name of the PLCServer
HardwarePollingTime	Tango::DEV_LONG	variables will be refreshed by hardware reading every HardwarePollingTime. given in : 1/10 sec. example : 34 sec gives 3.4 sec between hardware reading accesses Default : 10 (1 second

Device Properties Default Values:

Property Name	**Default Values**
Url	No default value
HardwarePollingTime	No default value

There is no Class properties.

Commands:

More Details on commands....

Device Commands for Operator Level		
Command name	**Argument In**	**Argument Out**
Init	DEV_VOID	DEV_VOID
State	DEV_VOID	DEV_STATE
Status	DEV_VOID	CONST_DEV_STRING
StartConverters	DEV_VOID	DEV_VOID
StopConverters	DEV_VOID	DEV_VOID

1 - Init

- **Description:** This commands re-initialise a device keeping the same network connection.
  After an Init command executed on a device, it is not necessary for client to re-connect to the device.
  This command first calls the device *delete_device()* method and then execute its *init_device()* method.
  For C++ device server, all the memory allocated in the *nit_device()* method must be freed in the *delete_device()* method.
  The language device desctructor automatically calls the *delete_device()* method.

- **Argin:**

DEV_VOID : none.

- **Argout:**
  DEV_VOID : none.

- **Command allowed for:**

2 - State

- **Description:** This command gets the device state (stored in its *device_state* data member) and returns it to the caller.

- **Argin:**
  DEV_VOID : none.

- **Argout:**
  DEV_STATE : State Code

- **Command allowed for:**

3 - Status

- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.

- **Argin:**
  DEV_VOID : none.

- **Argout:**
  CONST_DEV_STRING : Status description

- **Command allowed for:**

4 - StartConverters

- **Description:** Marche convertisseurs DC/DC

- **Argin:**
  DEV_VOID : no argin

- **Argout:**
  DEV_VOID : no argout

- **Command allowed for:**

5 - StopConverters

- **Description:** Arret convertisseurs DC/DC

- **Argin:**
  DEV_VOID : no argin

- **Argout:**
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- **Command allowed for:**

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- **Description:** Marche convertisseurs DC/DC

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- **Argout:**
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- **Command allowed for:**

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- **Argout:**
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- **Command allowed for:**

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