TANGO
Device
Server

PowerSupplyLT2
User's Guide

PhoenixInlineLT2 Class

Revision: release_1_0_2 - Author: coquet
Implemented in C++

Introduction:

pilote l alimentation LT2 composee de 10 (MAX_CHANNEL) correcteurs

Class Inheritance:

- Tango::Device_3Impl
  - PhoenixInlineLT2

Properties:

Device Properties		
Property name	**Property type**	**Description**
ProfibusServerName	Tango::DEV_STRING	Tango name of the Profibus DeviceServer Serveur ProfibusServer avec gestion d'abonnement Default : Tango/Profibus/1
BoardNumber	Tango::DEV_LONG	number of the Profibus DP Hilsher card (from 0 to 3) default : 0
DPAddress	Tango::DEV_LONG	Pour l'esclave portant les alimentations principales DP Address of the power supply from 1 to 125 DO NOT USE 0 , 126,127 reserved for the system! Default : 3
Group	Tango::DEV_LONG	Pour l'esclave portant les correcteurs groupe de sync/freeze parametre de 1 to 8. Default : 1
InputOffset	Tango::DEV_LONG	Pour l'esclave portant les alimentations correcteurs Memory offset of input data (seen by the master) offset mï¿½moire des entrï¿½es de l'esclave tel que dï¿½fini dans le configurateur Profibus
InputLength	Tango::DEV_LONG	Pour l'esclave portant les alimentations correcteur length in bytes of input data taille en octets de la totalitï¿½ des entrï¿½es de l'esclave tel que dï¿½fini dans le configurateur Profibus Ces donnï¿½es doivent ï¿½tre consï¿½cutives.
OutputOffset	Tango::DEV_LONG	Pour l'esclave portant les alimentations correcteur Memory offset of output data (seen by the master) offset mï¿½moire dessorties de l'esclave tel que dï¿½fini dans le configurateur Profibus
OutputLength	Tango::DEV_LONG	Pour l'esclave portant les alimentations correcteur length in bytes of output data taille en octets de la totalitï¿½ des sorties de l'esclave tel que dï¿½fini dans le configurateur Profibus Ces donnï¿½es doivent ï¿½tre consï¿½cutives.

Device Properties Default Values:

Property Name	**Default Values**
ProfibusServerName	No default value
BoardNumber	No default value
DPAddress	No default value
Group	No default value
InputOffset	No default value
InputLength	No default value
OutputOffset	No default value
OutputLength	No default value

There is no Class properties.

States:

States	
Names	**Descriptions**
ON	
OFF	
FAULT	
ALARM	
UNKNOWN	

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
GetCorrecteurInputs	DEV_LONG	DEVVAR_LONGARRAY
SetCurrent	DEVVAR_LONGARRAY	DEV_VOID
On	DEV_LONG	DEV_VOID
Off	DEV_LONG	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:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

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:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

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:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

4 - GetCorrecteurInputs

- **Description:**

- **Argin:**
  DEV_LONG : le numero de correcteur de 1 a 10

- **Argout:**
  DEVVAR_LONGARRAY : 0=channel status, 1=current, 2=voltage, 3=setpoint readback

- **Command allowed for:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM

5 - SetCurrent

- **Description:**

- **Argin:**
  DEVVAR_LONGARRAY : channel number, consigne brute a ecrire ecrire

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

6 - On

- **Description:**

- **Argin:**
  DEV_LONG : channel number 1 to 10

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
  - Tango::ON
  - Tango::OFF

- Tango::FAULT
- Tango::ALARM
- Tango::UNKNOWN

7 - Off

- **Description:**

- **Argin:**
  DEV_LONG : channel number, from 1 to 10

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
- Tango::ON
- Tango::OFF
- Tango::FAULT
- Tango::ALARM
- Tango::UNKNOWN

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DPAddress	No default value
Group	No default value
InputOffset	No default value
InputLength	No default value
OutputOffset	No default value
OutputLength	No default value

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States	
Names	**Descriptions**
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FAULT	
ALARM	
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Status	DEV_VOID	CONST_DEV_STRING
GetCorrecteurInputs	DEV_LONG	DEVVAR_LONGARRAY
SetCurrent	DEVVAR_LONGARRAY	DEV_VOID
On	DEV_LONG	DEV_VOID
Off	DEV_LONG	DEV_VOID

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  After an Init command executed on a device, it is not necessary for client to re-connect to the device.
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  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:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

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:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

3 - Status

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

- **Argin:**
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- **Argout:**
  CONST_DEV_STRING : Status description

- **Command allowed for:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

4 - GetCorrecteurInputs

- **Description:**

- **Argin:**
  DEV_LONG : le numero de correcteur de 1 a 10

- **Argout:**
  DEVVAR_LONGARRAY : 0=channel status, 1=current, 2=voltage, 3=setpoint readback

- **Command allowed for:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM

5 - SetCurrent

- **Description:**

- **Argin:**
  DEVVAR_LONGARRAY : channel number, consigne brute a ecrire ecrire

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

6 - On

- **Description:**

- **Argin:**
  DEV_LONG : channel number 1 to 10

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
  - Tango::ON
  - Tango::OFF

- Tango::FAULT
- Tango::ALARM
- Tango::UNKNOWN

7 - Off

- **Description:**

- **Argin:**
  DEV_LONG : channel number, from 1 to 10

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
- Tango::ON
- Tango::OFF
- Tango::FAULT
- Tango::ALARM
- Tango::UNKNOWN

Frame Alert

This document is designed to be viewed using the frames feature. If you see this message, you are using a non-frame-capable web client.
Link to Non-frame version.

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Device Commands Description
PhoenixInlineLT2 Class

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  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:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

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:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

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:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

4 - GetCorrecteurInputs

- **Description:**

- **Argin:**
  DEV_LONG : le numero de correcteur de 1 a 10

- **Argout:**
  DEVVAR_LONGARRAY : 0=channel status, 1=current, 2=voltage, 3=setpoint readback

- **Command allowed for:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM

5 - SetCurrent

- **Description:**

- **Argin:**
  DEVVAR_LONGARRAY : channel number, consigne brute a ecrire ecrire

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

6 - On

- **Description:**

- **Argin:**
  DEV_LONG : channel number 1 to 10

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
  - Tango::ON
  - Tango::OFF
  - Tango::FAULT
  - Tango::ALARM
  - Tango::UNKNOWN

7 - Off

- **Description:**

- **Argin:**
  DEV_LONG : channel number, from 1 to 10

- **Argout:**
  DEV_VOID :

- **Command allowed for:**
  - Tango::ON

- Tango::OFF
- Tango::FAULT
- Tango::ALARM
- Tango::UNKNOWN

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