



TANGO
Device
Server

Multiple interlock interface system. User's Guide

MultiInterlock Class

Revision: - Author: peru
Implemented in C++ - CVS repository: ESRF

Introduction:

This device server implements high level synthesis of the numerous machine interlock relays.

Class Inheritance:

- Tango::Device_4Impl
 - MultiInterlock

Properties:

Class Properties		
Property name	Property type	Description
UpdatePeriod	Tango::DEV_SHORT	This is the update period.

Device Properties		
Property name	Property type	Description
DeviceList	Array of string	This is the list of device names that the device server controls.
ResetDeviceList	Array of string	Array containing the device names of the devices dedicated to the reset of the equipment.

Class Properties Default Values:

Property Name	Default Values
UpdatePeriod	2

Device Properties Default Values:

Property Name	Default Values
DeviceList	No default value
ResetDeviceList	No default value

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
Reset	DEV_VOID	DEV_VOID
DevReadAll	DEV_VOID	DEVVAR_SHORTARRAY

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 - Reset

- **Description:** Reset all of the controlled interlocks.
- **Argin:**
DEV_VOID :
- **Argout:**
DEV_VOID :
- **Command allowed for:**

5 - DevReadAll

- **Description:** Returns an array containig the state of each controlled interlock.
- **Argin:**
DEV_VOID :
- **Argout:**
DEVVAR_SHORTARRAY :
- **Command allowed for:**

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