



**TANGO**  
Device  
Server

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# **tacoRelay** **User's Guide**

## **TacoRelay Class**

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**Revision: - Author: bourtemb**  
**Implemented in C++ - CVS repository: ESRF**

### **Introduction:**

Wrapper tango for the taco pulsed relays.

### **Class Inheritance:**

- Tango::Device\_4Impl
  - TacoRelay

### **Properties:**

**There is no Class properties.**  
**There is no Device Properties.**

## States:

States	
Names	Descriptions
CLOSE	
FAULT	
MOVING	
OPEN	
RUNNING	
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
Open	DEV_VOID	DEV_VOID
Close	DEV_VOID	DEV_VOID
Pulse	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::CLOSE
  - Tango::FAULT
  - Tango::MOVING
  - Tango::OPEN
  - Tango::RUNNING
  - 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::CLOSE
  - Tango::FAULT
  - Tango::MOVING
  - Tango::OPEN
  - Tango::RUNNING
  - 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::CLOSE

- Tango::FAULT
- Tango::MOVING
- Tango::OPEN
- Tango::RUNNING
- Tango::UNKNOWN

## 4 - Open

- **Description:**
- **Argin:**  
DEV\_VOID :
- **Argout:**  
DEV\_VOID :
- **Command allowed for:**
  - Tango::CLOSE
  - Tango::FAULT
  - Tango::MOVING
  - Tango::OPEN
  - Tango::RUNNING
  - Tango::UNKNOWN

## 5 - Close

- **Description:**
- **Argin:**  
DEV\_VOID :
- **Argout:**  
DEV\_VOID :
- **Command allowed for:**
  - Tango::CLOSE
  - Tango::FAULT
  - Tango::MOVING
  - Tango::OPEN
  - Tango::RUNNING
  - Tango::UNKNOWN

## 6 - Pulse

- **Description:**
- **Argin:**  
**DEV\_LONG** : duration of the pulse (in milliseconds)
- **Argout:**  
**DEV\_VOID** :
- **Command allowed for:**
  - Tango::CLOSE
  - Tango::FAULT
  - Tango::MOVING
  - Tango::OPEN
  - Tango::RUNNING
  - Tango::UNKNOWN

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