*LIGO Laboratory / LIGO Scientific Collaboration*

LIGO- F1200003-v1 *advanced LIGO* 2/20/2012

Template for TwinCAT Library Documentation

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LIGO Scientific Collaboration

This is an internal working note  
of the LIGO Laboratory.

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|  |  |
| --- | --- |
| **Library** | |
| Title |  |
| Version |  |
| TwinCAT version |  |
| Name space |  |
| Author |  |
| Description |  |
| Error Code |  |

|  |  |
| --- | --- |
| **Type**  {copy type definition here} | |
| Type name |  |
| Description |  |
| Definition |  |
| Element | Name:  Type:  Description: |
| Element | Name:  Type:  Description: |
| Element | Name:  Type:  Description: |

|  |  |
| --- | --- |
| **Hardware Input Type**  {copy type definition here} | |
| Type name |  |
| Description |  |
| Definition |  |
| Element | Name:  Type:  Description: |
| Element | Name:  Type:  Description: |
| Element | Name:  Type:  Description: |

|  |  |
| --- | --- |
| **Hardware Output Type**  {copy type definition here} | |
| Type name |  |
| Description |  |
| Definition |  |
| Element | Name:  Type:  Description: |
| Element | Name:  Type:  Description: |
| Element | Name:  Type:  Description: |

|  |  |
| --- | --- |
| **User Interface Type**  {copy type definition here} | |
| Type name |  |
| Description |  |
| Definition |  |
| Input tags | Name:  Type:  Description: |
| Input tags | Name:  Type:  Description: |
| Input tags | Name:  Type:  Description: |
| Output tags | Name:  Type:  Description: |
| Output tags | Name:  Type:  Description: |
| Output tags | Name:  Type:  Description: |

|  |  |
| --- | --- |
| **Global variable**  {copy variable definition here} | |
| Variable name |  |
| Type |  |
| Initialization |  |
| Description |  |

|  |  |
| --- | --- |
| **Interface**  {copy interface definition here} | |
| Interface name |  |
| Description |  |
| Method | Name:  Description:  Return type:  Input argument  Name:  Type:  Description:  Output argument  Name:  Type:  Description:  In/out argument  Name:  Type:  Description: |
| Method | Name:  Description:  Return type:  Input argument  Name:  Type:  Description:  Output argument  Name:  Type:  Description:  In/out argument  Name:  Type:  Description: |

|  |  |
| --- | --- |
| **Function**  {copy function header here} | |
| Name |  |
| Description |  |
| Return type |  |
| Input argument | Name:  Type:  Description: |
| Input argument | Name:  Type:  Description: |
| Input argument | Name:  Type:  Description: |
| Output argument | Name:  Type:  Description: |
| Output argument | Name:  Type:  Description: |
| In/out argument | Name:  Type:  Description: |
| In/out argument | Name:  Type:  Description: |

|  |  |
| --- | --- |
| **Function Block**  {copy function block header here} | |
| Name |  |
| Description |  |
| Parent type |  |
| Interface implementation |  |
| Input argument | Name:  Type:  Description: |
| Output argument | Name:  Type:  Description: |
| In/out argument | Name:  Type:  Description: |
| Method | Name:  Description:  Return type:  Input argument  Name:  Type:  Description:  Output argument  Name:  Type:  Description:  In/out argument  Name:  Type:  Description: |

|  |  |
| --- | --- |
| **Visual**  {copy screen snapshot here} | |
| Name |  |
| Description |  |
| Placeholder | Name:  Type:  Description: |
| Placeholder | Name:  Type:  Description: |
| Placeholder | Name:  Type:  Description: |