**SCADA\_PRC\_HISTORIAN\_1\_0**

**Version History**

|  |  |
| --- | --- |
| **Version** | **Release Notes** |
| 1.0 | “Initial” release. |

**Description**: This UDT is to be used to store historical data for compliance tags.

**Naming Conventions**

All tags created by programmers using this UDT will use the fully qualified six fragment tag name. This tag is also used as a member of other device UDTs that have discrete IO signals associated with their operation.

**UDT Members**

|  |  |  |  |
| --- | --- | --- | --- |
| **UDT Member** | **Datatype** | **Description** | **Usage** |
| .ADDON | Historian\_v1 | Historian Data Processing AOI | Store the date and time as well as the scaled value in an array |
| .Log | DATALOG\_1[1440] | Data Array | Data array to store the date, time, and scaled value |

**AOI**

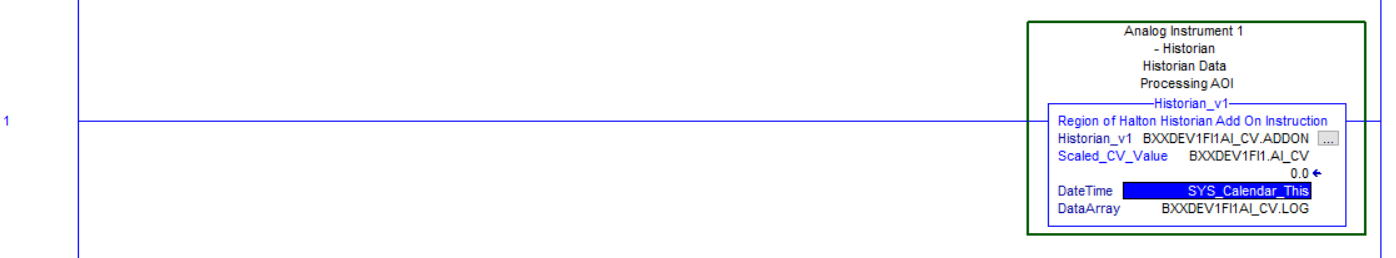
The AOI will only be used in the Historian Task in the main Ladder.

| **AOI Parameter** | **Requirement** | **Default Value** | **Description** | **Implementation Guideline** |
| --- | --- | --- | --- | --- |
| Historian\_v1 | Mandatory | *tagname*.ADDON | This UDT is to be used to store historical data for compliance tags. AOI | N/A |
| Scale\_CV\_Value | Mandatory | *Tagname* | Tag to be stored | N/A |
| DateTime | Mandatory | *SYS\_Calendar\_This* | The Date and time | N/A |
| DataArray | Mandatory | *Tagname****.***Log | The Array where everything is stored | N/A |

**Typical AOI Operation Description**

Every time this routine is run it moves the current date, time, and scaled value into a FIFO array with a length of 1440.

**Programming Examples**



**HMI Integration**

There is no HMI integration for this Addon the Data is extracted using another tool.