|  |  |
| --- | --- |
| Name: | Temp\_u8CurrentTemp |
| Type: | Uint8\_t |
| Range: | 0:255 |
| Description: | Stores the current temp in Celsius |

|  |  |
| --- | --- |
| Name: | TEMP\_u8TIMEOUT\_MS |
| Type: | Uint16\_t |
| Range: | [0:65534] |
| Configuration  Type: | Pre build configuration |
| Description: | To configure the time out of the temperature reading |

|  |  |
| --- | --- |
| Name: | TEMP\_u8PERIODECTY\_MS |
| Type: | Uint16\_t |
| Range: | [0:65534] |
| Configuration  Type: | Pre build configuration |
| Description: | To configure the periodic time of temperature reading reading task |

|  |  |  |  |
| --- | --- | --- | --- |
| Function name: | Temp\_u8Init | | |
| Arguments: | Input |  |  |
|  | Holds the speed | | |
|  | Output | **NA** | |
|  |
|  | Input/Output | **NA** | |
|  |
| Return | E\_OK | 0 | |
|  | E\_NOK | 1 | |
| Description: | Responsible for registering the GetTemp\_dispatcher | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Function name: | Temp\_GetTemp | | |
| Arguments: | Input | **NA** | |
|  | Output | Pu8\_temp | Uint8\_t \* |
|  | Returns the temp by address | |
|  | Input/Output | **NA** | |
|  |
| Return | E\_OK | 0 | |
|  | E\_NOK | 1 | |
| Description: | Responsible for getting the current temperature | | |

|  |  |  |
| --- | --- | --- |
| Function name: | Temp\_vidUpdateTemp \_Despatcher | |
| Arguments: | Input | **NA** |
|  | Output | **NA** |
|  | Input/Output | **NA** |
| Return |  | **NA** |
| Description: | Periodic function that responsible for getting the current temp from UART handler every specific period (to be registered) | |