

PLC Control functions

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With these control function it's possible to Start/Stop a CPU and read the PLC status.

Function	Purpose
PlcColdStart	Puts the CPU in RUN mode performing an COLD START
PlcHotStart	Puts the CPU in RUN mode performing an HOT START
PlcStop	Puts the CPU in STOP mode
PlcGetStatus	Returns the CPU status (running/stopped)

PlcColdStart

Description

Puts the CPU in RUN mode performing an COLD START.

Declaration

```
public int PlcColdStart()
```

Return value

- 0 : The function was accomplished with no errors.
- Other values : Either the PLC is already running or the current protection level is not met to perform this operation.

Remarks

This function is subject to the security level set.

PlcHotStart

Description

Puts the CPU in RUN mode performing an HOT START.

Declaration

```
public int PlcHotStart()
```

Return value

- 0 : The function was accomplished with no errors.
- Other values : Either the PLC is already running or the current protection level is not met to perform this operation.

Remarks

This function is subject to the security level set.

PlcStop

Description

Puts the CPU in STOP mode.

Declaration

```
public int PlcStop()
```

Return value

- 0 : The function was accomplished with no errors.
- Other values : Either the PLC is already stopped or the current protection level is not met to perform this operation.

Remarks

This function is subject to the security level set.

PlcGetStatus

Description

Returns the CPU status (running/stopped) into Status.Value.

Declaration

```
public int GetPlcStatus(ref int Status)
```

Parameters

Name	Type	Note
Status	int	PLC status

Status values

Helper Const	Value	Meaning
S7.S7CpuStatusUnknown	0x00	The CPU status is unknown
S7.S7CpuStatusRun	0x08	The CPU is running
S7.S7CpuStatusStop	0x04	The CPU is stopped

Return value

- 0 : The function was accomplished with no errors.
- Other values : see the Errors Code List.

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