

"Performance distributed I/O configuration software" "TM5-7 DTM Library – version 1.1.7" Read Me

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1. General

This document contains important information about "Performance distributed I/O configuration software" (MSDDTMSFUV10).

Please read the complete document before you run the product.

2. Information

Modicon TM5 (IP 20) and Modicon TM7 (IP 67) distributed I/O islands can be integrated on the CANopen bus using the "Performance distributed I/O configuration software" for external automation software applications.

When using any software integrating an FDT (Field Device Tool) frame application, download and install the "Performance distributed I/O configuration software" (MSDDTMSFUV10) which contains the DTM (Device Type Manager) for TM5/TM7 distributed I/O modules.

3. New features supported in the version 1.1.7

New IO modules:

- TM5SDI2DF 2 Digital Inputs 24 VDC, Sink, IEC 61131-2, Type 1, Counter
- TM5SDI16D 16 Digital Inputs 24 VDC, Sink, IEC 61131-2, Type 1
- TM5SDO16T 16 Digital Outputs 24 VDC / 0.5 A, source
- TM5SEAISG One full-bridge strain gauge input, resolution 24bits

Improvement of the device integration within SoMachine V4.0 or higher version:

- function Insert module
- function Delete module
- function Copy / Paste module

New languages

- Portuguese
- Turkish

4. Compatibility

This "**Performance distributed I/O configuration software**":

- is compatible with SoMachine V3.0 or greater versions for all features and modules supported by the previous versions V1.0.8 and V1.0.16.
- is compatible with SoMachine V4.0 or greater version for all features and modules.
- is compatible with the following FDT frame application:
 - M&M, *fdtCONTAINER 2.2.04*
 - PACTware 3.6/4.0
 - Phoenix Contact : @Xplorer+ V1.21.1.

Note: "Performance distributed I/O configuration software" is not compatible with FieldCare V2.07.00.1424

For standalone FDT containers, the “Performance distributed I/O configuration software” is optimally used with M&M software. Activate the link to download fdtCONTAINER Software from the M&M Web site: <https://extranet.mm-software.com/fdtCONTAINER/default.aspx>

Compatibility with legacy Schneider controller offers:

- The TM5/TM7 CANOpen Interfaces are released only for controllers working with SoMachine V3 or higher version.
 - M238 FW version: V2.0.30.13 or greater
 - M258 FW version: V2.0.2.31 or greater
 - LMC058 FW version: V2.0.2.31 or greater
 - ATV-IMC FW version: V1.1.ie19 or greater
 - XBT GC FW version V6.0.0.212 or greater
 - XBT GT/GK with control FW version V6.0.0.212 or greater
 - HMI SCU FW version V6.1.3.320 or greater
 - M241 FW version V4.0.1.35 or greater
 - M251 FW version V4.0.2.xx or greater
- M340 with Unity V6.0 supports TM5_TM7 by using the DCF import.

Note: CANOpen network may not start if using only TM5/TM7 slave equipment. Select "no restore" (configuration parameter) in the boot sequence of one of the TM5/TM7 equipments, and rebuilt project to correct this issue.

- Schneider Legacy controllers not compatible with TM5/TM7 CANOpen Interface:
 - Premium with CPP110
 - TWIDO with TWDNCO1M master module
 - ATV71 controller inside (CodeSys V2.3)
 - LMC 20 (CodeSys V2.3)
 - LMC 400

- AGP 3x00-CA1M ; LT 3300 (Pro-face)
- Controllers with SoMachine < V3.0
- M340 with UNITY < V6.0

5. Know issues

Minor problems have been reported by the message "*unknown fallback value*" which can occur when opening a program application created with TM5-7 DTM library version 1.0.8 and using the following modules:

- TM7BAO4CLA
- TM7BAO4VLA

Problems can be readily solved by reconfiguring the fallback modes of the analogue outputs in the configuration screens of these modules.

6. Content of the package

This "**Performance distributed I/O configuration software**" contains the following components:

Unit reference: MSD DTMSFUV10

Composition:

- "**TM5-7 DTM Library**" software package for TM5 and TM7 distributed I/O islands (excluded TM5 expert I/O modules)
- Technical manuals
- Instruction sheets

Description: Can be downloaded from www.schneider-electric.com

7. Installation

The package is provided as a compressed installation file that contains all components you need to install the "**TM5-7 DTM Library**" on your PC.

Follow the given instruction to install the new components:

- (1) Close any SoMachine instance or any FDT frame application instance running on your PC before you start the installation.
- (2) Copy the installation package to a temporary location on your target system.
- (3) To start the installation simply double-click on the **setup TM5-7 DTM Library** file and follow the instructions given by the installation utility
- (4) Follow the instructions given by the "Frame Application Software" to install the DTMs or update the DTM repository

Note: the administrator installation type must be chosen if several users are using the software with several Windows accounts.