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1 Device - Revision Record / What is new?

1.1 Hardware

Released Revision	Released Date	Remarks
1.04	09.12.1999	Production technique
1.06	27.11.2002	Sensor-wire-resistor-control / Namur NE 89
1.07	22.04.2004	customer spec. Version / EMC
1.08	25.07.2004	cust. spec. Version / re-start
1.09	25.08.2004	new Standardversion (1.07+1.08 as standard integrated)

1.2 Software

Released Revision	Released Date	Remarks
1.1	31.05.1999	Additional TC Type L
1.2	1999	Bugfix free style characteristic
1.10	05.09.2001	Better start time

2 DTM - Engineer IT Device Type Manager

2.1 Supported devices

Temperature transmitter TH02/TH102/TH202, Firmware 1.10

TH02/TH02-Ex Head-mounted transmitter

TH102/TH102-Ex Rail-mounted

TH202/TH202-Ex Field device

2.2 DTM Version record / What is new?

Compatible to FDT 1.2 frame applications.

Released Version	Released Date	Remarks
01.00.04	15.02.2002	First release
01.00.08	28.01.2003	Bugfix
01.00.09	17.07.2003	New wrapper version
01.00.10	09.02.2004	New DTM Library version
01.00.11	30.11.2004	Bugfix (#158)

2.3 Requirements

2.3.1 PC-Hardware, Operating system

- Minimum requirement
- Intel Pentium III Processor 450 MHz or compatible.
- 256 MB RAM memory
- 300 MB free hard disk space
- Windows 2000 / XP
- Internet Explorer 5.0.
- Adobe Reader latest version
- Administrator-rights

The ABB FDT1.2 DTM THx02-HART is released for Windows 2000 and Windows XP (Home / Professional) as PC / Notebook installation

2.3.2 Frame application / compatibility

The ABB FDT 1.2 DTM THx02-HART is released for DSV401 (SMART VISION) Release 3.

The FDT compatibility was tested with the dtmINSPECTOR Rev. 1.01.21.
Therefore the ABB DTM should be usable in all Frame Applications according the requirements of FDT 1.2.
Please read also the respective Frame Application documentation.

2.3.3 Software package contents

The setup files are in the respective DTM sub directory.
setup.exe
ReadMe_DE.txt
ReadMe_US.txt

2.4 Installation and configuration

2.4.1 Installation

- Make sure that the minimum hardware requirements are met.
- Start Windows (with administrator rights!).
- Cancel all running programs.
- Insert CD-ROM.
- Start "Setup.exe" in the DTMDTM THx02-HART (TH02, TH102, TH202) directory of the CD or in the folder you choosed for the software uploaded from the Internet.
- Follow the instructions.

2.4.2 Installed files

2.4.3 Uninstall instructions

For uninstalling in the operating system:
"Start-> Settings -> Control Panel -> Add/Remove Programs
-> Install/Uninstall" -> Select the DTM and Uninstall.
In any case first uninstall all DTMs before uninstalling the frame application SMART VISION.

2.5 Update- / Upgrade instructions

Uninstallation is not needed before update / upgrade. It can be handled like a new installation, existing projects will be kept.

Hints regarding new versions may be found under <http://www.abb.com/Fieldbus>

2.6 Known problems and limitations

- If starting of a DTM fails with a runtime error 6 which occurs together with a control SV4_digital.OCX, the PC needs to reboot.
- The parameterization of free-style characteristics is not supported.
- Make sure all possibly existing spaces are deleted before modifying the the fields "Message" or "Note".
- The function Identification has informational character only, that means changes cannot be saved. Call one of the functions "Edit", "Configure" or "Parameterize" if You want to make modifications.
- An interruption of the connection is displayed in the status bar.
- Make sure the DTM is not opened a second time when the window might be in the background.
- If the connection breaks down while downloading, the restart the frame application and try again.

2.7 Getting help / further information

- Press 'F1' for online help.

Help concerning the implementation of the DTM in the FDT Frame Application (e.g. SMART VISION, ...) can be found in the respective documentation.

Hints regarding commissioning

- When a device has been connected for the first time, and an upload was done, it is recommended to save all data using the menu file/save as dataset. (database suffix *.dat)
- Initialisation of the DTM for the THx02:
For starting the DTM, the DTM for the THx02 as HART device has to be used when creating the project tree. For initialisation the point "More" has to be selected in the menu under "Device". Depending on the operating speed of the PC this could take some seconds.
- Configuration of the THx02:
The DTM is started by clicking the right mouse key or via the menu point "Device", in each case with "Edit". Changed data are displayed in blue and underlined. Using the command "Save data to device" these data will be sent to the device.

2.8 How to get the Software (driver)?

Please use one of the following ways to get the Software (driver):
Available on the newest DTM & DSV401 (SMART VISION) CD-ROM

As download from <http://www.abb.com/Fieldbus>

->[select Fieldbus protocol]
->[select field device]
->[select device group / name]
use link read more / downloads
-> go to flag "Fieldbus & HART Files"

The Aspect Object (*.afw) online file contains all driver and information. For the *.afw file
->o to flag "Downloads"

2.9 Licensing the DTM

The DTM is usable unlimited without any license in every Frame Application.

3 DD/EDD

3.1 Supported devices

Hand-Communicator-Types to programming:

Type: HC275

THx02-DD-Driver
(HART-Device-Description Revision 1)
distributor: HART-User-Group, HART-DD-Treiber CD-ROM

Attention:

Driver can listed under manufacturer Hartmann & Braun or ABB

Supported device version:

THx02 Device Revision 1

Type: STT04

special STT04-THx02 Driver

Typ: 691HT

spezial 691HT-THx02 Driver

3.2 Requirements

3.2.1 Frame application / compatibility

at AMS-Version 5.0 or higher > 5.0 standardized integrated
(AMS-Versionen < 5.0 not standardized integrated, download of the corresponding driver necessary).

3.3 Installation and configuration

Start your Frame application and follow the instructions.

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