

Driver CONTRAC-HART

Electrical Actuator

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1 Device - Revision Record - What is new?

1.1 Device Type ID: 0087

1.1.1 Hardware

Released Revision	Released Date	Remarks
1.00	1999	First release
2.00	2010	New Hardware

1.1.2 Software

Released Revision	Released Date	Remarks
1.07	March 1999	First release
1.32	August 2001	Enhancement Profibus DP
1.42	November 2005	Enhancements for EX
1.51	October 2007	BugFix, enhancements for PROFIBUS DP/V!
2.00	November 2010	Enhancement to new Hardware
2.04	July 2013	BugFix unit handling, enhancements for PROFIBUS

1.1.3 Device (latest SW compatibility status)

Released Revision	Released Date	Remarks
01	May 2018	First release with Software version 01.04.xx

1.1.4 Supported devices

Contract: LME..., RSD(E)..., PME..., RHD(E)..., EAN..., EBN..., EAS..., EBS...

1.2 Cyber Security info

1.2.1 ABB recommendation

It is recommended to use at least an anti-malware solution wherever the product is deployed.

1.2.2 Disclaimer

This product is designed to be connected to and to communicate information and data via a network interface. It is user's sole responsibility to provide and continuously ensure a secure connection between the product and user's network or any other network (as the case may be). User shall establish and maintain any appropriate measures (such as but not limited to the installation of firewalls, application of authentication measures, encryption of data, installation of anti-virus programs, etc) to protect the product, the network, its system and the interface against any kind of security breaches, unauthorized access, interference, intrusion, leakage and/or theft of data or information. ABB Ltd and its affiliates are not liable for damages and/or losses related to such security breaches, any unauthorized access, interference, intrusion, leakage and/or theft of data or information.

1.3 Licensing

The "General terms of license for computer soft-ware utilization" are valid, which can be found by searching on abb.com

2 DTM (Device Type Manager)

2.1 DTM (driver) Version record - What is new?

2.1.1 Device Type ID: 0x87

Released Version	Released Date	DTM LIBRARY Version	Remarks DTM
01.01.03	February 2004	DTM400	First release, FDT1.2 kompatibel
04.02.03	November 2005	DTM400	Implementation "silent setup"
04.02.04	February 2006	DTM400	Bugfixing

The device DTM supports the standard FDT 1.2.

2.2 Supported Languages

The device DTM supports English, German.

2.3 Requirements

2.3.1 PC-Hardware, Operating system

DTM400
 - 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
full administrator rights.

The ABB FDT1.2 DTM CONTRAC-HART is released for Windows2000 and Windows XP

2.3.2 Frame application / compatibility

DTM400

The ABB FDT 1.2 DTM CONTRAC-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 to 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

2.4 (Un)Installation and configuration

2.4.1 Installation

DTM400

- 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 DTM\DTM CONTRAC-HART directory of the CD or in the folder you chose for the software uploaded from the Internet.
- Follow the instructions.

2.4.2 Uninstall instructions

DTM400

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

DTM400

- 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

DTM400

- Entries in edit boxes have to be acknowledged by Enter or TAB to be valid.
- 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.

2.7 Getting help / further information

DTM400

- Press "F1" for online help. Help concerning the implementation of the DTM in the system environment (e.g. SMART VISION, AC800F, CMC60, CMC70) can be found in the respective documentation.

2.8 Hints regarding commissioning

- Initialisation of the DTM for the CONTRAC:
For starting the DTM, the DTM for the CONTRAC 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.

2.9 Configuration of the CONTRAC with DTM:

The DTM is started by clicking the right mouse key or via the menu point "Device", in each case with "Edit".

When an online connection has been established it is now recommended to make an upload.

- When a device has been connected for the first time, and an upload has been done, it is recommended to save all data using the menu file/save as dataset. (database suffix *.dat)

2.10 How to get the Software (driver)?

Please use one of the following ways to get the Software (driver):

- Available on the newest DSV4xx (SMART VISION) & DTM 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
 - > go to flag "Downloads"

2.11 Licensing the DTM

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

3 EDD (Electronic Device Description)

3.1 Supported devices

Contract: LME..., RSD(E)..., PME..., RHD(E)..., EAN..., EBN..., EAS..., EBS...

3.2 EDD Version record - What is new?

3.2.1 Device Type ID: 0087

Released Version (Dev Rev)	Released Date	Remarks
01 02	November 2006	First release, HART5
01 04	August 2024	Next release, HART5

3.3 Supported Languages

The device EDD supports English, German

3.4 Requirements

The EDD is released for PDM \geq 8.1 SP2 and SDC625.

3.5 Remove / import and configuration

Start your EDD Host application and follow the instructions.

3.6 Known problems and limitations

None

3.7 Getting help / further information

Help concerning the integration of the driver in the EDD Host application can be found in the respective documentation of the frame application.

Use mouse over for field hints and tooltips.

4 FDI (Field Device Integration)

FDI Package (EDD based)

4.1 FDI Device Package Version record- What is new?

4.1.1 Device Type ID: 0087

Released Date	Package Version	EDD Re-leased Ver-sion (Dev Rev)	Attachment (revision)	UIP Released Version (00.00.00), Winx	UIP Changed UIP file count	Remarks (EDD. Attachment, UIP)
August 2018	01.00.00	01 03	Contra _c _256x256.png, OI_PME_RHD250_4000_EN_D.pdf	none	no	First release, HART5
August 2024	01.04.00	01 04	OI_PME_RHD250_4000_EN_G01.pdf	1.0.5	Yes	UIP release, HART5

4.2 Supported Languages

The device package supports
English, German

4.3 Requirements

FDI Technology Version 1.3.0
FDI Host application / compatibility

4.4 Remove / import and configuration

Start your FDI Host application and follow the instructions.

4.5 Update / Upgrade instructions

No

4.6 Known problems and limitations

None

4.7 Getting help / further information

Help concerning the integration of the Package in the FDI frame application can be found in the respective documentation of the frame application.

Use mouse over for field hints and tooltips.

5 How to get the latest information & software?

The latest device driver Supplement Info & software (driver) is available on <http://www.abb.com/actuators>

Contacts

ABB Measurement & Analytics

For your local ABB contact,

visit: abb.com/contacts

For more product information,

visit: <http://www.abb.com/actuators>

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