

HART Device Object Type

PR electronics PRETRANS 6335

Version 1.0

Release Notes

Introduction

This document describes the functionality that becomes available by using this object type together with Industrial IT 800xA System and its related device management software. It describes also problems and workarounds found during interoperability testing with the related device hardware.

Device Type and System Requirements

Table 1. Supported Device Type and System Requirements

Vendor	PR Electronics A/S
Device Type	Pretrans 6335
Category	Temperature
Company ID / Device ID	109 / 238
Device Revision	1
System Requirements	800xA SV4.1 Rollups Released June 2006 or higher system version
Supported Controller	Controller AC 800M (via Modulebus or CI 854(A))
Supported Gateways	S800, S900

New in this Version

Table 2. Revision History

Library Wizard Name	Changes
PR electronics PRETRANS 6335 V1.0-HART	First Release

Plant Explorer's object type name "PRE_PRETRANS6335_v1_0".

Object Type Functionality

For details about functionality and how to use it, please refer to the documentation of related 800xA's device management software for HART.

Documentation

Table 3. Device Documentation

Documentation	<ul style="list-style-type: none"> • Installation Manual • Data Sheet • Declaration of Conformity
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Device Type Manager (DTM)

Table 4. Device Type Manager

DTM Type	Device Specific DTM (PReTrans 6335 V1 ⁽¹⁾)
Version / Date	1.04.91/20.12.2005
Vendor	ABB HART Library
DTM License	Not Required.
Contact for Licensing	-/-

(1) DTM type has to be chosen from the DTM setup. Navigate to "Setup Component -> PR ELECTRONICS" and select "PReTrans 6335 V1". Follow the DTM setup wizards to start DTM installation.

Asset Optimization

Table 5. Asset Optimization Functionality

Asset Monitor	HART Generic Device Asset Monitor
Asset Reporter / Viewer	Yes
DMS Connectivity	No
CMMS Connectivity	Maximo, SAP ⁽¹⁾

(1) SAP views access from Plant Explorer Workspace is not a released functionality.

Table 6. Asset Monitor Conditions

Conditions ⁽¹⁾		Supported
1	Device Malfunction	X
2	Configuration changed	X
3	Cold Start	X
4	More status Available	X
5	Analog Output current fixed	X
6	Analog Output saturated	X
7	Non-primary variable out of limits	X
8	Primary variable out of limits	X
9	Analog output validated	X

(1) Conditions (1..9) derived via HART_RESPONSE_BYTE1.

Fixed Problems

The table below lists the critical or major issues that have been corrected since the previous version. A brief description of the correction has also been given.

Table 7. Fixed Problems

Issue Fixed	Description
-/-	-/-

Known Problems

The table below shows known problems and their workarounds

Table 8. Known Problems

Issue	Workaround
DTM cannot differentiate between user roles. Ex: It is possible for user role "Operator" to do simulation, forcing and parameter modification.	N/A
DTM status reads "Connected" even after physically disconnecting the device.	In Graphical User Interface, all the parameters turn to red and variable status reads " Framming Error". When the device is reconnected, all the parameters are displayed with normal colors.
In Multinode setup, if one user accesses a particular DTM, the data set of that DTM will be locked and no other user can work with this DTM.	In case of any locking conflict make sure that all DTMs are closed. If the problem persists, close and re-open the Plant Explorer (This will release all cached DTM data).

Installation

The installation of the related 800xA's device management software for HART has to be done as a prerequisite before installing this object type. Please refer to its configuration manual and corresponding release notes for details.

On how to install this object type, please refer to the user manual of “*ABB Device Library Wizard, User Instructions*”, 3BDD011857R4001.



The ABB Device Library Wizard starts DTM setup with device object type import. For some DTMs a manual selection of the device type is required during DTM installation.

Please read chapter [Device Type Manager \(DTM\)](#) on page 3, whether license agreements for DTM software must be considered and which DTM device type has to be chosen.

Support

Contact ABB technical support for assistance in problem reporting.

For other problems that you may encounter while working with field devices please contact your local support line:

Technical Support Regional Center Germany

For continental Europe, Middle East and Africa.

ABB Automation Products - Support Center
Kallstadterstr. 1
68309 Mannheim
Germany

E-mail: callcenter@de.abb.com

Phone: +49 (0) 1805 222147

Fax: +49 621 381 5135

Technical Support Regional Center Sweden

For UK, Scandinavia, Russia and Asia

ABB Global Support Center - Västerås
S-721 59 Västerås
Sweden

E-mail: se.automation.supportline@se.abb.com

Phone: +46 21 342500

Fax: +46 21 343400

Technical Support Regional Center USA

For the Americas.

ABB Technical Support Center - Wickliffe
29801 Euclid Avenue
Wickliffe, Ohio 44092
USA

E-mail: AutomationSupportLine@us.abb.com

Phone: +1 440 585 7804

Fax: +1 440 585 5087



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