

SIEMENS

AlgoRex EP7F-Z1

Release Notes for Tool Coordinators

Building Technologies

Control Products and Systems

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1 About this document

1.1 Purpose of the document

The document describes the differences between the AlgoRex release packages EP7F-SR2 and EP7F-Z1. It is intended for Tool Coordinators who need to know what is new and/or different in EP7F-Z1.

1.2 Modification index

Version	Date	Brief description
008322_g_en_--	Sep-2013	Information about Embedded SW 776

1.3 Related documents

Reference	Document no	Content
[1]	6824	Operating platform for Tools
[2]	8455	Update of country variants from EP7F-SR2 to EP7F-Z1
[3]	4768	Tool set customizing for EP7F

2 Introduction

2.1 Principal purpose of the project EP7F-Z1

AlgoRex EP7F-Z1 has been developed in order to introduce the new detection system Sinteso to the AlgoRex fire system family.

2.2 Important rules and information for commissioning



**IMPORTANT
INFORMATION**

For a smooth commissioning process of Sinteso detection system some rules must be strictly followed. Please read the information in chapter 11 carefully before installing and commissioning an EP7F-Z1 system. Do not hesitate to contact headquarters or the hotline for further information if required.

3 Versions and compatibility

3.1 AlgoWorks

3.1.1 Program and setup version

The current AlgoWorks setup version for EP7F-Z1 is V1.46.0-000. It is a full setup and the program version is 1.46.

Parallel installations with older EP7F AlgoWorks versions are not possible. Therefore, older EP7F AlgoWorks programs must be uninstalled first, before the installation of EP7F-Z1 can be started. Please see also documents [1], [2] and [3] for further information.

3.1.2 Program / site compatibility

AlgoWorks EP7F-Z1 is backwards compatible with all EP7F site configurations (meta data 7.30 → EP7F, EP7F-SR1 and EP7F-SR2).

3.1.3 Supported operating systems

AlgoWorks EP7F-Z1 runs on following operating systems:

Operating system	Remark
Microsoft Windows NT 4.0	With Service Pack 6 installed. Restrictions apply for countries with non Latin character sets. Only the installation procedure has been tested but no difficulties expected.
Microsoft Windows 2000	With service pack 2 installed
Microsoft Windows XP	-

See document [1] for further information.

3.2 CS1140/45 software

There are two different types of embedded SW:

- EPROM variants for the old HW types
(E3X101, B3Q460/80/85, B3Q560, E3X120, E3H020)
- FLASH variants for the new HW types
(E3X102/3, B3Q660/70/80/85, B3Q565)



For checksums of the different versions please see the detailed documentation which is provided together with the embedded SW.

EPROM variants

Station type	Name	EPROM version
CC1142	Control unit modular	CCQ00776
CC1143	Control unit modular with extended RAM	CCW00776
CI1145	Control unit compact	CIV00776
CI1142	Control unit compact	CIQ00776
CT1142	Control terminal	CTQ00776
CK1142	Gateway	CKQ00775
CI1142-T1	Control unit compact (China, simplified)	Not available yet
CI1142-TE	Control unit compact (China, traditional)	Not available yet
CI1142-TL	Control unit compact (Korea)	Not available yet
CI1142-T5	Control unit compact (Thailand)	Not available yet
CI1143-T1	Control unit compact (China, simplified) with extended RAM	Not available yet
CI1143-TE	Control unit compact (China, traditional) with extended RAM	Not available yet
CI1143-TL	Control unit compact (Korea) with extended RAM	Not available yet
CI1143-T5	Control unit compact (Thailand) with extended RAM	Not available yet

Station type	Name	EPROM version
CT1142-T1	Control terminal compact (China, simplified)	Not available yet
CT1142-TE	Control terminal compact (China, traditional)	Not available yet
CT1142-TL	Control terminal compact (Korea)	Not available yet
CT1142-T5	Control terminal compact (Thailand)	Not available yet
CA1142	Parallel control console	CAR00776
CA1142-T1	Parallel control console with extended RAM analogous to CT1143	Not available yet
CA1142-TE		Not available yet
CA1142-TL		Not available yet
CA1142-T5		Not available yet

FLASH variants

Station type	Name	FLASH version
CC1142	Control unit modular	CCX00776
CC1143	Control unit modular with extended RAM	CCY00776
CI1142	Control unit compact	CIX00776
CT1142	Control terminal	CTX00776
CI1143-T1	Control unit compact (China, simplified) with extended RAM	Not available yet
CI1143-TE	Control unit compact (China, traditional) with extended RAM	Not available yet
CI1143-TL	Control unit compact (Korea) with extended RAM	Not available yet
CI1143-T5	Control unit compact (Thailand) with extended RAM	Not available yet
CT1143-T1	Control terminal compact (China, simplified)	Not available yet
CT1143-TE	Control terminal compact (China, traditional)	Not available yet
CT1143-TL	Control terminal compact (Korea)	Not available yet
CT1143-T5	Control terminal compact (Thailand)	Not available yet
CA1142	Parallel control console	CAX00776
CA1143-T1	Parallel control console with extended RAM analogous to CT1143	Not available yet
CA1143-TE		Not available yet
CA1143-TL		Not available yet
CA1143-T5		Not available yet



The Embedded software version 7.76 requires AlgoWorks version 1.46.

4 AlgoWorks Software Toolset

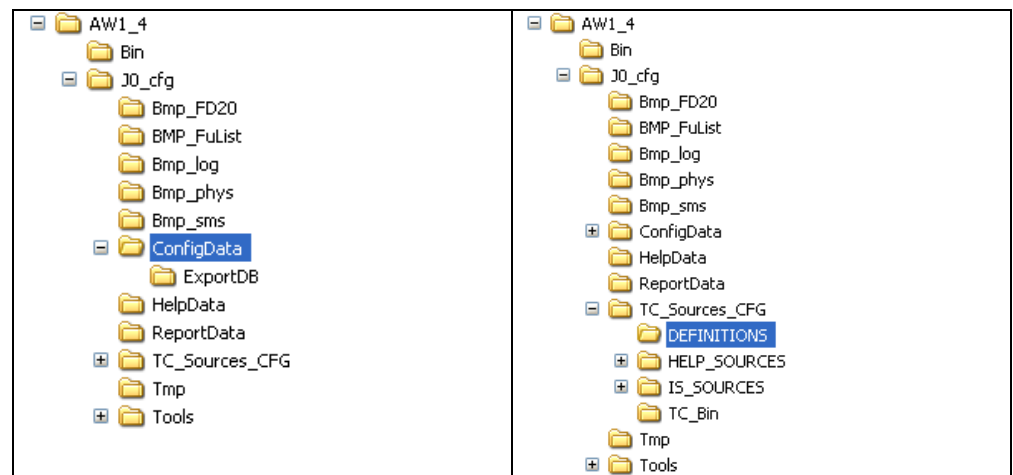
4.1 Introduction / overview

AlgoWorks EP7F-Z1 supports all new functions of the embedded software and the new hardware of EP7F-Z1, in particular the commissioning of the new detection system Sinteso.

4.2 Manually file copy

Unfortunately the AlgoWorks setup version V1.46.0-000 installs the file *FD20APSCConf.bcf* into the wrong environment. After carried out the function Refresh AlgoWorks it will be deleted and will be missed for further use.

Therefore the file must be copied into another directory additionally. After the setup installation the file *FD20APSCConf.bcf* is located like shown on the left picture and should be copied manually to the location shown on the right picture.



Please copy the file *FD20APSCConf.bcf* into your country environments (ConfigData and DEFINITIONS) as well to avoid problems in the future, if you create new country variants, which are based on the actual versions.

4.3 Tool customizing

4.3.1 Introduction

Basically, all components of the program customizing have been updated to the new EP7F-Z1 functionality:

- AlgoWorks Menu Definition (AMD)
- AlgoWorks Text Definition (ATD)
- Online helps
- Setup definition

In order to minimize the effort for country specific adaptations in the countries some parts of the Tool Customizing may be done by headquarters.

Please contact HQ for detailed information.



Information about the process to be followed for generation of a country specific installation, please see documentation [2]. For information about customizing of base data variants see chapter 9.2.1.

4.3.2 Changes in the AlgoWorks Menu Definition (AMD, MenuCfgData.xls)

All changes within the AlgoWorks Menu Definition (AMD) between EP7F-SR2 and EP7F-Z1 are documented in detail directly in the AMD files. Please see the additional columns 'New', 'Changed' or 'Description' in each of the sheets.

AMD file version

Version no.	Date:
1.46.00-000	2005-05-13



For a detailed list of the changes see the AMD file **MenuCfgData.xls**. The changes are indicated in the yellow columns on the far right side of the respective sheets.

4.3.3 Changes in the AlgoWorks Text Definition (ATD, TextCfgData.xls)

All changes within the AlgoWorks Text Definition (ATD) between EP7F-SR2 and EP7F-Z1 are documented in detail directly in the ATD files. Please see the additional columns 'New', 'Changed' or 'Description' in each of the sheets.

ATD file version

Version no.	Date:
1.46.00-000	2005-05-13



For a detailed list of the changes see the ATD file **TextCfgData.xls**. The changes are indicated in the yellow columns on the far right side of the respective sheets.

4.3.4 Changes in SIM-Help

See chapter 4.4.2 for detailed information.

4.3.5 Changes in SAM-Help

See chapter 4.5.5 for detailed information.

4.4 Site Management

4.4.1 Changed dialogues

Default settings

The dialogue Default Settings has been modified. The new fields are

- Default EP7F-Z1 CS1140
- Default EP7F-Z1 CS1145

They will be set after the first installation of the EP7F-Z1 BDV version and can be modified afterwards, if necessary.

Site properties

The dialogue has been modified to update the fields **Site Name**, **Description**, **Customer Name**, if necessary. They are editable now.

4.4.2 Online help

The online help has been adapted and includes the new information for Sinteso environment. The following help has been changed or new created.

New or changed help topics

New	Changed	Topic	Topic file name	Description
	X	Welcome to Site Management	GEN_Welcome_to_Site_Management.HTM	New version and company name
	X	Help Release Notes	GEN_HELP_RELEASE_NOTES.HTM	New version and date
	X	Default Settings	SIM0_Options_Default_Settings.htm	Additional entries for EFP7F-Z1

The flash icons in the compiled help file (*.chm) indicate where the new/changed topics can be found.

4.5 Station Management

4.5.1 New functions

Set Loc. Ind. in Conf. Topol. Seq. Order

This function is used to set the localisation indexes of the devices on the selected FD20 line in the same order as the configured topology sequence. After this function has been carried out, the service technician is able to finish a localisation with help of the common dialogue box *Set loc. Index, Create Element and Link*.

Set CSX Number in Conf. Topol. Seq. order

This function is used to set the CSX numbers of the devices on the selected FD20 line in the same order as the configured topology sequence.

4.5.2 Changed functions

Consistency Checks

Some new consistency checks have been programmed.

Code	Description
49a8	Checks if every node with a valid localization index is linked.
5010	Checks if the FD20 device has a valid device ID.
5018	Checks for each FD20 detector if the configured parameter sets are valid.
5020	Checks for each FD20 detector to which a base sounder control is linked, if the device supports a base sounder.
5028	Counts the number of detectors on an FD20 loop.

4.5.3 New dialogue

Installed and Configured FD20 Devices

Opens a dialogue box where the installed and the configured devices on the selected FD20 line are displayed in two separate sub-windows. This dialogue is used for commissioning and troubleshooting. It shows the bus topology as well.

4.5.4 Changed dialogue

Create and Link by Device ID

The dialogue box has been upgraded for FD20 devices. The corresponding line type must be selected before you can use the dialogue correctly.

4.5.5 Online help

The online help has been adapted and includes the new help topics for Sinteso environment as well. The following help topics have been changed or new created.

New or changed help topics

New	Changed	Topic	Topic file name	Description
	X	Welcome to the Station Management	GEN_Welcome_to_Station_Management.htm	New version and company name
	X	Help Release Notes	GEN_HELP_RELEASE_NOTES.HTM	New version and date
	X	Representation of Commissioning States	SAM0_Phys_Tree_Node_Representation_comm_states.htm	New commissioning state for FD20 devices.
	X	The Search Function	SAM0_Function_Search.htm	Information text added
X		Primary key functions on B3Q6xx	SAM0_Primary_key_functions_B3Q6xx.htm	New created topic.
	X	Generating a Report	SAM0_Reports_Generating.htm	Added text on select output <i>Printer</i>
	X	Tree Report	SAM0_Report_trees.htm	<i>Use</i> text added, <i>Presented information</i> text deleted
	X	Check Line Card Composition	SAM0_Checks_Consistency_4959_line_card_composition.htm	Updated for line card K3M140
	X	Check Unlinked nodes	SAM0_Checks_Consistency_49A8_Unlinked_with_localization_index.htm	Information text added
	X	Check I-Bus Addresses	SAM0_Checks_Consistency_49E1_Check_I-Bus.htm	Table enhanced
X		Check FD20 Device ID	SAM0_Checks_Consistency_5010_FD20_Device_ID.htm	New created topic.
X		Check Parameter Sets for FD20 Detectors	SAM0_Checks_Consistency_5018_Parameter_sets_for_FD20_detectors.htm	New created topic.
X		Check Buzzer Configuration FD20	SAM0_Checks_Consistency_5020_Buzzer_Configuration_FD20.htm	New created topic.
X		Check Maximum Number of Detectors on FD20 Line	SAM0_Checks_Consistency_5028_Maximum_Number_of_Detectors_on_FD20_Line.htm	New created topic.
	X	Device Read-in	SAM0_Station_Cmd_Device_Read-in.htm	Updated for FD20 line
	X	Line set Off	SAM0_Station_Cmd_Line_Set_Off.htm	Updated for FD20 line
	X	Line Set on, normal operation	SAM0_Station_Cmd_Line_Set_on_normal_op.htm	Updated for FD20 line
	X	Reconfigure D-Bus	SAM0_Station_Cmd_Reconfigure_D-Bus.htm	Updated for FD20 line
	X	Readdress D-Bus	SAM0_Station_Cmd_Readdress_D-Bus.htm	Updated for FD20 line
	X	Test Mode	SAM0_Station_Cmd_Line_Test_Mode.htm	Updated for FD20 line
	X	Create and Link by Device ID	SAM0_Localization_Link_by_Interactive_Device_ID.htm	Updated for FD20 line
X		Set Localization Index in Configured Topology Sequence Order	SAM0_Localization_Set_Localization_Index_in_Configured_Topology_Sequence_Order.htm	How to set localization index in configured topology sequence order
X		Set CSX Number in Configured Topology Sequence Order	SAM0_Localization_Set_CSX_Number_in_Conf_Topo_Seq_Order.htm	How to set CSX number in configured topology sequence order
	X	CS11 Logger Dialog	SAM0_CS11_Logger_dialog.htm	Direct entries text updated. Added "Related Topic" entry
	X	Testing detector lines	SAM0_Commiss_testing_line.htm	Updated for FD20 line
	X	Test and complete the installation	SAM0_Commiss_installation.htm	Updated for FD20 line
X		FD20	--	New book created
X		Loc. by installation order	SAM0_Commiss_FD20_loc_installation_order.htm	How to localize by installation order
X		Loc. by ID number	SAM0_Commiss_FD20_loc_idnumber.htm	How to localize by device ID number
X		Overview	SAM0_Commiss_FD20_overview.htm	Overview about different commissioning methods.
X		Main rules	SAM0_Commiss_FD20_main_rules.htm	Informs about the main commissioning rules
X		Best practice	SAM0_Commiss_FD20_best_practice.htm	Informs about recommended commissioning steps.
X		Set up a new system	--	New book created
X		Installation order	SAM0_Commiss_FD20_setup_dbus_readin.htm	How to commission by using installation order

New	Changed	Topic	Topic file name	Description
		X		Pre-configured
X		Device ID number	SAM0_Commiss_FD20_setup_idnum_auto.htm	How to commission by using device ID number
X		Upgrading an existing system	--	New book created
X		Installation order	SAM0_Commiss_FD20_upgrade_dbus_readin.htm	How to upgrade FD20 line by using installation order.
X		Device ID number	SAM0_Commiss_FD20_upgrading_idnumber.htm	How to upgrade FD20 line by using device ID number
X		Move devices	SAM0_Commiss_FD20_move_devices.htm	How to move devices.
X		Change wiring	SAM0_Commiss_FD20_change_wiring.htm	How to change wirings correctly.
X		FD20: Line faults	SAM0_Diagnose_FD20_linefaults.htm	How to find faults on FD20 lines
X		Replace FD20 devices	SAM0_Commiss_replace_FD20.htm	How to replace FD20 devices

The flash icons in the compiled help file (*.chm) indicate where the new/changed topics can be found.

4.6 Repaired bugs

4.6.1 Information about “Time stamps” within AlgoWorks

Bug description	IPUS no.	--
The version keys (time stamps) were not visible on AlgoWorks only on the panel by using the soft key “Poll information”.		
Correction		
The version key are visible in AlgoWorks on tab “Service” on the corresponding station node. The names are CONFIG. DATA version key , CUSTOMERTEXT version key and STANDARD TEXT version key . It is not a time stamp anymore it is a random number to find out if the data has changed. After a download the CONFIG. DATA version key has been set. To see the new version key, select another node first to refresh the information.		

4.7 Restrictions and known bugs

4.7.1 Disappearances of SIM Short cuts

Bug description	IPUS no.	5305
After the user has opened the site management all short cuts within the menu bar are shown. When the station management has been opened ones and the user goes back to the site management window the short cuts are not shown anymore. But they are still working.		
Correction / Workaround		
Close the site management windows and start AlgoWorks again. The short cuts will be visible again. Or use the short cuts as usual without being displayed.		

4.7.2 Invisible padlock icon

Bug description	IPUS no.	5250
If in the ADD (AlgoWorks Data Definition file, sheet 'Fields EP7F' → definition of visibility of fields etc.) the combinatbn of attribute locked (L) and Data Type VBITSET8 is set, the padlock icon in front of the field is not shown in AlgoWorks.		
Correction / Workaround		
It is recommended to not use this combination.		

4.7.3 Alarm handling using B3Q590

Bug description	IPUS no.	5567
After performing a reset while any alarm condition is still given, the internal horn is activated again. That internal horn cannot be acknowledged anymore by using the B3Q590, because the information message "horn active" is not visible on the B3Q590.		
Correction / Workaround		
In this case the internal horn has to be acknowledged using a CT11 or CI11.		

4.7.4 Disconnection of a Dongle

Bug description	IPUS no.	5055
If the user disconnects the dongle while his is working with SIM / SAM, AlgoWorks generates an error and the program will be closed automatically without saving.		
Correction / Workaround		
Don't disconnect the dongle during work and fix the dongle with the screws.		

4.7.5 Function "Export Gateway Data"

Bug description	IPUS no.	5307
If the SIM function "Export Gateway Data" is carried out, the generated file does not have the actual station number created within the file. It generates "???" in-stead of the right number.		
Correction / Workaround		
After carrying out the function, open the generated file and search for the string "???" and replace it with the correct number of the station.		

4.7.6 Online mode to different station types possible

Bug description	IPUS no.	5246
It is possible to be online to any station type; it does not matter if the connected station type is compatible to the type, which is opened within the SAM.		
Correction / Workaround		
Compare the connected station type with the one you just have opened in AlgoWorks.		

4.7.7 Import from SmartHandy

Bug description	IPUS no.	5084
When the user carries out the SAM menu function "Import from SmartHandy" the station data will not be deleted on the SmartHandy automatically.		
Correction / Workaround		
Delete the data manually.		

4.7.8 DC1157 in combination with used Bus-Address 128

Bug description	IPUS no.	5309
If a detector on an interactive line uses the bus address 128 and a DC1157 is also connected, the detector with bus address 128 will generate a fault.		
Correction / Workaround		
The bus address 128 must be changed on the detector.		

4.7.9 Moving of devices within the physical Tree

Bug description	IPUS no.	5245
If the user creates 128 devices in the physical tree, it is no longer possible to move some detectors to another position within the same detector line in the physical tree.		
Correction / Workaround		
Create less than 128 devices if you want to move some detectors.		

4.7.10 Function Rescue Upload

Bug description	IPUS no.	5278
If the user carries out the site management function "Rescue Upload" the program does not finish the rescue upload correctly. This happens if stations older than EP7F are rescued.		
Correction / Workaround		
The function "Rescue Upload" does <u>only</u> work correctly with EP7F sites.		

4.7.11 Icon for "Online mode" disappears

Bug description	IPUS no.	5036
The user has the possibility to connect the station to online mode by double clicking the corresponding icon, visible at the status bar. The user also can go to offline mode by the same action. When AlgoWorks is back in offline mode the icon disappears and will be shown only if the user carries out the online/offline mode with help of the menu bar.		
Correction / Workaround		
The user should use the existing menu items.		

4.7.12 Initial view of “Online mode”

Bug description	IPUS no.	5228
If the user connects to online mode, AlgoWorks does not show the correct node the first time.		
Correction / Workaround		
The user should go first online and select the desired node afterwards.		

4.7.13 Text missing after Rescue Upload

Bug description	IPUS no.	5267
If a Rescue Upload has been done, no text in the columns “Description” and “Customer Name” will be given.		
Correction / Workaround		
--		

5 Embedded Software 7.73

5.1 Introduction / overview

Only the Standard embedded software setup is available at the moment. The Asia version is not available yet. It will be provided later.
Different embedded software setup packages can be installed in parallel.



Do not mix different embedded software versions at the same customer site. Except the gateway version, it could be different.
After changing a customer site to version 773, the configuration data must be downloaded again.



IMPORTANT INFORMATION

For new Installations do not use the Version 7.73.

5.2 New and changed functions

The embedded software provides various functions for the new Sinteso detection system. Most functions are similar to what is known from existing detection systems like Interactive or AnalogPLUS, but have been adapted to the specific characteristics of Sinteso.



Most functions are described in the online help of AlgoWorks. Please see the respective help topics, marked with flash icon, for further information.

5.3 Repaired bugs

5.3.1 Function “Poll information” on the CT panel

Bug description	IPUS no.	5249
The user can carry out the function “Poll Information” on the panel to get more information about a specific node. Only the first three bytes will be displayed.		
Correction / Workaround		
All four bytes are visible on the panel.		

5.4 Restrictions

5.4.1 No message 'Line isolator open'

In case of a short circuit on the FD20 detection line, the two devices next to the short circuit open their line isolators. Normally, this is indicated with a line fault message and an information message 'Line isolator open' of the respective devices, i.e. of the logical elements linked with the devices.

The loop sounder device (FDS221, FDS241-Ex) do not provide this information message and therefore only the line fault message is displayed but no messages of the line isolators. In this case please use the diagnostic features of AlgoWorks (Upload faults) for more detailed information.

5.4.2 Button "Alarm devices active" on the CT panel

With the button *Alarm device active* on the CT panel the user can stop the alarm devices. If he pushes to button again to restart the sounds, all FD20 loop and base sounders will sound on *EVAC* mode. It doesn't matter if the devices sounded on *ALERT* mode before.

5.4.3 Australian functionality

The specific Australian functionality is not supported with the version EP7F-Z1.

5.4.4 No support of Arabic texts

Display of customer texts and standard texts in Arabic language is not supported. However, editing in AlgoWorks is already possible.

5.5 Known bugs

5.5.1 Supervision of emergency lines (degrade path)

Bug description	IPUS no.	5244
If the I-Bus is blocked via switch S4-10 on the E3X101 the signals for the emergency line supervision are also disabled and therefore a fault message 'degrade path fire alarm' is displayed for each station which does not detect the supervision pulses anymore.		
Correction / Workaround		
--		

5.5.2 Emergency line 'silence alarm horns'

Bug description	IPUS no.	5162
If there is an emergency alarm in a control unit (which is in degraded mode), the alarm horns of the control unit are not stopped upon 'acknowledge' on a connected terminal (in normal operation mode) because the emergency line 'silence alarm horns' is not activated.		
Correction / Workaround		
--		

5.5.3 Function unit MS9i (E3M060)

Bug description	IPUS no.	5371
If fully operating detector line is disconnected completely (both sides of the loop). This will cause only a line fault, but not any detector faults.		
Correction / Workaround		
--		

5.5.4 No information of line in collective mode

Bug description	IPUS no.	5254
If the service technician has some not localized AnalogPLUS detectors in its AlgoWorks configuration and makes a download, no information "Part of line in collective mode" will be shown on the panel.		
Correction / Workaround		
Use the new consistency check for unlinked devices.		

5.5.5 Overlapping remote transmission references

Bug description	IPUS no.	5565
If the configuration contains any wrong device remote ID (structure number or field number) no fault message will be generated.		
Correction / Workaround		
Use the consistency check provided by AlgoWorks.		

5.5.6 Pager interface K3I090

Bug description	IPUS no.	5566
Requested adaptation of K3I090 ESPA protocol: The M2M-terminal seems to have too less memory to accept further messages. In this case the M2M-terminal replies to any message with "2 NAK". This should be handled correctly by K3I090.		
Correction / Workaround		
The intervention text is always shown spontaneously, if the field 1348 is active on structure 1390.		

5.5.7 Display of "connecting" text on CT/CI

Bug description	IPUS no.	5398
During the connection phase of a station CT11 or CI11 there is a text displayed which informs the user about the status. In rare cases it can happen that this text is temporarily not displayed even if the connection has not been completed. Since the connection is still ongoing, the station does not react if a key is pressed.		
Correction / Workaround		
--		

5.5.8 Missing soft key "Poll information" for CK-station

Bug description	IPUS no.	5603
The soft key <i>Poll Information</i> is not available for CK-station. So the information about version key is not displayed.		
Correction / Workaround		
--		

6 Embedded Software 7.74

6.1 Introduction / overview

Only the Standard embedded software setup is available at the moment. The Asia version is not available yet. It will be provided later.
 Different embedded software setup packages can be installed in parallel.



Do not mix different embedded software versions at the same customer site. Except the gateway version, it could be different.
 After changing a customer site to version 774, the configuration data must be downloaded again.



IMPORTANT INFORMATION

For new Installations do not use the Version 7.74.

6.2 Repaired bugs

Bug description	Tracking no.	FSP00014131
	Hotline call	none
From customer installations with many C-Bus participants we get reports that under certain circumstances it could happen that information between the stations (C-Bus participants) is not correctly synchronized among the stations. E.g. terminals show different information.		
Correction		
Has been fixed in 7.74		

Bug description	Tracking no.	FSP00009033
	Hotline call	none
The logger file showed entries for all ZO Control 6 (1656) even if they were programmed correctly.		
Correction / Workaround		
The logger file has only entries if the zone control 6 is programmed not correctly.		

6.3 Restrictions

6.3.1 No message 'Line isolator open'

In case of a short circuit on the FD20 detection line, the two devices next to the short circuit open their line isolators. Normally, this is indicated with a line fault message and an information message 'Line isolator open' of the respective devices, i.e. of the logical elements linked with the devices.

The loop sounder device (FDS221, FDS241-Ex) do not provide this information message and therefore only the line fault message is displayed but no messages of the line isolators. In this case please use the diagnostic features of AlgoWorks (Upload faults) for more detailed information.

6.3.2 Button "Alarm devices active" on the CT panel

With the button *Alarm device active* on the CT panel the user can stop the alarm devices. If he pushes to button again to restart the sounds, all FD20 loop and base sounders will sound on *EVAC* mode. It doesn't matter if the devices sounded on *ALERT* mode before.

6.3.3 Australian functionality

The specific Australian functionality is not supported with the version EP7F-Z1.

6.3.4 No support of Arabic texts

Display of customer texts and standard texts in Arabic language is not supported. However, editing in AlgoWorks is already possible.

7 Embedded Software 7.75

7.1 Introduction / overview

Only the Standard embedded software setup is available at the moment. The Asia version is not available yet. It will be provided later.
 Different embedded software setup packages can be installed in parallel.



Do not mix different embedded software versions at the same customer site. Except the gateway version, it could be different.
 After changing a customer site to version 775, the configuration data must be downloaded again.



IMPORTANT INFORMATION For new Installations do not use the Version 7.75.

7.2 Repaired bugs

Bug description	Tracking no.	FSP00019263 FSP00019871 FSP00020719
	Hotline call	W57683 W62361 W63868
Sinteso line card: after Sinteso line card has been switched off and on again the panel showed "Normal Operation" even the line didn't generate an Alarm		
Correction		
Has been fixed in 7.75		

Bug description	Tracking no.	FSP00020381
	Hotline call	W64869
Problem with logger codes 22AB and 22AC where not supported		
Correction		
Has been fixed in 7.75		

Bug description	Tracking no.	FSP00009481 FSP00021160
	Hotline call	W20212 W58413
If a control zone was active (and its state was acknowledged or not acknowledged) and the zone was set to test mode, the alarms disappear but the control zone was still active.		
Correction		
Has been fixed in 7.75		

7.3 Restrictions

7.3.1 No message 'Line isolator open'

In case of a short circuit on the FD20 detection line, the two devices next to the short circuit open their line isolators. Normally, this is indicated with a line fault message and an information message 'Line isolator open' of the respective devices, i.e. of the logical elements linked with the devices.

The loop sounder device (FDS221, FDS241-Ex) do not provide this information message and therefore only the line fault message is displayed but no messages of the line isolators. In this case please use the diagnostic features of AlgoWorks (Upload faults) for more detailed information.

7.3.2 Button "Alarm devices active" on the CT panel

With the button *Alarm device active* on the CT panel the user can stop the alarm devices. If he pushes to button again to restart the sounds, all FD20 loop and base sounders will sound on *EVAC* mode. It doesn't matter if the devices sounded on *ALERT* mode before.

7.3.3 Australian functionality

The specific Australian functionality is not supported with the version EP7F-Z1.

7.3.4 No support of Arabic texts

Display of customer texts and standard texts in Arabic language is not supported. However, editing in AlgoWorks is already possible.

8 Embedded Software 7.76

8.1 Introduction / overview

Only the Standard embedded software setup is available. The Asia version is not available.

8.2 Repaired bugs

Bug description	Tracking no.	none
	Hotline call	none
When resetting the E3M140/K3M140 line card and previously switched off alarm lines (loop / stub), the following situations can occur: <ul style="list-style-type: none"> • The two alarm lines are incapable of alarm • If only one alarm line has been switched off, it does indeed remain inactive but the remaining line functions only in collective mode and is capable of alarm. Remark: Normally, deactivation notifications from previously switched off alarm lines are retained in the system, however in some cases this did not occur.		
Correction		
Has been fixed in 7.76		



Please see also [FS_SYS_10_030_MI_AlgoRex_FD20_de.pdf](#) and [FS_SYS_10_042_MI_AlgoRex_FD20_update_en.pdf](#) for more information.



Do not mix different embedded software versions at the same customer site. Except the gateway version, it can be different but like 77x.
 After changing a customer site to version 776, the configuration data must be downloaded again.

9 New BDVs J0_114x_770_03

9.1 Introduction / overview

EP7F-Z1 includes two new BDV's, which are **J0_1140_770_03** and **J0_1145_770_03**.

The major changes compared to BDV J0_114x_730_10 (provided with EP7F-SR1 and EP7F-SR2) are:

- Changes in standard texts
- Changed Country Defaults (FD20 detection system added)
- New/changed ADD definitions
- Updated online help

The following chapters describe the changes more in detail.

9.2 Tool customizing

9.2.1 Introduction

In order to minimize the effort for country specific adaptations in the countries, some parts of the Tool Customizing may be done by headquarters. Please contact HQ for detailed information.

- Conversion/adaptation of the current country specific EP7F base data variants to EP7F-Z1
- Implementation of the new FD20 detection system in the Country Defaults of the converted variants

Further adaptations to be carried out by the Tool Coordinator:

- Update of the country specific standard texts to EP7F-Z1
 - Changes, see chapter 9.2.2



Information about the process to be followed for generation of a country specific installation, please see separate documentation [2]

9.2.2 Changes in the Standard texts

This chapter lists the standard text differences of EP7F-Z1 compared to EP7F-SR2.

new texts: 28

4454 Invalid device(s) on det. line
4455 Localization by TOPOLOGY READ-IN
4825 Detector
4826 Sounder
6820 Detector OFF
6821 Sounder OFF
8835 Sounder ACTIVATED
8839 Unsuitable application
8840 Detector TEST ACTIVATION
8841 Detector DRIFT
8842 Detector ACTIVATION
8843 Detector/base sounder IMPAIRED
23241 FUNCTION LIST 'FD20':
25463 Back to MAIN MENU
25464 Go to logical tree
25465 Lower Level
25466 Upper Level
25467 More functions..
25468 Detector line\$-> NORMAL MODE
25469 Back to MAIN MENU
25470 Poll INFORMATION
25471 Re-configure D-Bus
25472 Previous\$functions..
25474 More functions..
25476 Detector line\$-> OFF
25477 Previous\$functions..
25478 Detector line\$-> TEST
25479 Detector line\$-> TEST OFF

modified texts: ('=': formatting changed) 5

6207 DMS7000 network problem
+ 6207 Management network problem
6208 DMS7000 connection interrupted
+ 6208 Connection to mgmt. netw. Lost
24073 Time marks
+ 24073 Version key
25457 ACTIVATE element
+ 25457 Device replace\$mode -> ON
25458 DEACTIVATE element
+ 25458 Device replace\$mode -> OFF

removed texts: 1

25441 Back to MAIN MENU



See also the corresponding file on the Tool Coordinators CD `<cd>:/AdditionalFiles`.

9.2.3 Changes in ADD definitions

This chapter gives a short overview of the differences in the AlgoWorks Data Definition (ADD) of EP7F-Z1 compared to EP7F-SR1. All changes are documented in detail directly in the ADD files in the additional columns 'New', 'Changed' and 'Description' in each of the sheets.

ADD file versions

BDV:	File name:	Version no.	Date:
CS1140	J0_1140_770_03.xls	1.28.00-000	2005-03-04
CS1145	J0_1145_770_03.xls	1.28.00-000	2005-03-04

Short Overview of the changes



For full details see the ADD files *J0_1140_770_03.xls* or *J0_1145_770_03.xls*.

Sheet:	Row:	New	Changed	Deleted	Description:
ALL SHEETS		x			Change control columns introduced (yellow columns on the right side of the respective ADD sheets).
Nodes EP7F	17	x			New structure 1308, FU FD20 line
	19	x			New structure 1311, FU FD20
	43	x			New structure 1417, DE FD20 det.
	44	x			New structure 1418, DE FD20 man.
	45	x			New structure 1419, DE FD20 mod.
	46	x			New structure 1422, DE FD20 I/O
	51	x			New structure 1436, DE FD20 sounder
	63		x		Name of structure 1502 changed to 'EI FD20/DS11i/A+ man.'
	65	x			New structure 1504, EL FD20 det.
---				x	Structure 1214 deleted, all CK11 use structure 1213
Fields EP7F	163		x		Access rights set to LOCKED also for 'Engineering 6 Offline'
	197	x			New entry for the combination of structure 1213 and field 1232
	253	x			New entry for the combination of structure 1311 and field 1300
	264	x			New entry for the combination of structure 1308 and field 1300 (field is not used)
	275	x			New entry for the combination of structure 1308 and field 1316
	363	x			New entry for the combination of structure 1417 and field 1400
	364	x			New entry for the combination of structure 1418 and field 1400
	365	x			New entry for the combination of structure 1419 and field 1400
	367	x			New entry for the combination of structure 1436 and field 1400
	384	x			New entry for the combination of structure 1417 and field 1410
	385	x			New entry for the combination of structure 1418 and field 1410
	386	x			New entry for the combination of structure 1419 and field 1410
	387	x			New entry for the combination of structure 1436 and field 1410
	395	x			New entry for the combination of structure 1422 and field 1414
	401	x			New entry for the combination of structure 1416 and field 1422
	403	x			New Field 1417 dbdSpvisionTiFi
404	x			New Field 1418 dbdCfgAPSOrgUnsetFi	

Sheet:	Row:	New	Changed	Deleted	Description:
	405	x			New Field 1419 dbdCfgAPSOrgSetFi
	412 to 414	x			New Field 1425 dbdHornAlertSoundFi
	415	x			New Field 1426 dbdHornIntensFi
	416 to 418	x			New Field 1427 dbdHornEvacSoundFi
	457	x			New Field 1504 elemAlertEvacFi
	464		x		Combination 1523/1507 changed to 1523/1520
	827	x			New Field 4091 ibdFD20InvalidDevFauFi
	828	x			New Field 4091 ibdLocTopologyFi
	743		x		Field 2082 now visible, new text
	745		x		Field 2084 now visible, new text
	746		x		Field 2085 now visible, new text
	840 To 851				New fields 4220..4231 reserved for potential BACnet gateway use
	923 to 930		x		Different selection list assigned to fields 4390..4397
	949	x			New Field 4422 dbdDevSerialIdFi
	950	x			New Field 4423 dbdProdCodeFi
	951	x			New Field 4424 dbdConfigSeqFi
	952	x			New Field 4425 dbdConfigBranchSegFi
	953	x			New Field 4426 dbdConfigTopologyFi
	954	x			New Field 4427 dbdInstallSeqFi
	955	x			New Field 4428 dbdInstallBranchSegFi
	956	x			New Field 4429 dbdInstallTopologyFi
Selection Lists EP7F	192	x			Selection list SLELCommand extended with selections 32802
	193	x			Selection list SLELCommand extended with selections 32861
	222 to 225		x		Selection list SLELCommand changed texts for selections 37, 38, 4 and 5
	417	x			New selection list SLStationTypeCK1146
	431	x			New selection list SLDMSNetwTypeCK1146
	442	x			New selection list SLDMSNetwBaudrateCK1146
	452	x			New selection list SLCKUTCOffsetPrefix
	710		x		Selection list SLCTFuCode texts changed for selection 226
	965	x			New FD20 device types added to selection list SLDbdAll
	1053	x			Selection list SLCmsState extended with selection 52
	1264	x			New selection list SLFD20InOut
	1268	x			New selection list SLFD20INSupTime for field 1417
	1284	x			New selection list SLFD20APS for field 1418
	1299	x			New selection list SLFD20APS2 for field 1419
	1326	x			New selection list SLFD20SoundMode2 for fields 1425/1427 in structure 1417
	1314	x			New selection list SLFD20SoundMode2 for fields 1425/1427 in structure 1436
	1338	x			New selection list SLFD20SounderVol for field 1426
	1342	x			New selection list SLFD20SounderPrio for field 1504
	1346	x			New selection list SLIbdFD20_40
	1349	x			New selection list SLIbdFD20_45
	1353	x			New selection list SLDbdFD20Det
	1368	x			New selection list SLDbdFD20Man
	1376	x			New selection list SLDbdFD20Mod
	1384	x			New selection list SLDbdFD20Sounder
Array Indexes EP7F	275	x			New array index AIFD20DeviceID for field 4422
	277 to 296		x		Reserved for BACnet gateway purposes
Bitset Labels EP7F	58 to 63		x		Changed bitset label BSIOMode
	93		x		Changed bitset label BSIndicatorSet, text bit 6
	96		x		Changed bitset label BSIOModeFD20

9.2.4 Changes in Country Defaults

This chapter gives a short overview of the differences in the Country Defaults of EP7F-Z1 compared to EP7F-SR2 and EP7F-SR1.

Short overview of the changes

- FD20 line card, lines and all available FD20 devices added
- Combi Create definitions added for automatic detectors, manual call points, DC modules and loop sounders
- International defaults set in all new nodes

9.2.5 Changes in BDV-Help

The BDV help has been extended with the new EP7F-Z1 functionality. In addition, some corrections have been made in existing help topics.

New or changed help topics

New	Changed	Topic	Topic file name (.htm or .html)	Description
	X	*) Field 1348	*) FLD0_1348	Info text at the end of the topic was changed.
	X	Event and browser display configuration	BAI0_Event_and_browser_display_configuration	Corrected description of the representations for 'tree title mode' (field 1347) and 'tree display mode'
	X	Event priority	BAI0_Event_priority	Corrected naming of information category: 'Information' instead of 'Hint'.
X		FD20 sounder application	BAI0_FD20_sounder_application	Introduction on how FD20 sounders work and how they are configured
	X	Function list definition	BAI0_Function_list_definitions	Added wording to emphasize that the 'Primary key functions' may only be edited in the view for panels without softkeys.
	X	I/O Hardware	BAI0_I_O_Hardware	New FD20 I/O and some missing boards added
	X	I/O Terminal	BAI0_I_O_Terminal	Error corrections (wrong hardware names)
	X	Node specific CAC parameters	BAI0_Node_specific_CAC_parameters	Different entries for BDVs 730 and 770 plus new node 1308 "FU FD20 line" inserted
	X	ON / OFF commands	BAI0_ON_OFF_Commands	- different entries for BDVs 730 and 770 - Changes in 770: - new commands for setting all zones into "Installation test" from section level - Element command pairs 37/38 and 4/5 text changed -> EL FD20 det. included
	X	Structure numbers & names	BAI0_Structure_numbers_names	- different entries for BDVs 730 and 770 - Changes in structure numbers included: - new: 1308, 1311, 1417, 1418, 1419, 1422, 1436, 1504 - deleted: 1214 - changed: 1502
	X	To program controls	BAI0_To_programs_controls	Below a ZO control 5 a digital input may also be linked to a EL command and not only to a EL digital.
X		BACnet gateway	FGR_BACnet_Gateway	Fieldgroup reserved
	X	Criterion		- More precise wording on how the evaluation of summary fields work for control functions. - Table for structure 1502 copied for BDV 770 and FD20 naming added - Table for new EL det. FD20 (struc 1504) - corrected LON visibility in EL RT -> no criteria visible. - CK table separated in 730 and 770. - Area, SE fire, SE exting and SE control the

New	Changed	Topic	Topic file name (.htm or .html)	Description
				<ul style="list-style-type: none"> field 1025 (cmn. CONFIG. ERROR cntr.) does not exist > deleted from table - SE control: Field 1024 (cmn. preALARM cntr.) does not exist > deleted from table - EL RT device: Field 1552 (FAT.FAULT) does not exist > deleted from table - ST CC11, ST Transfer, ST CT11 and ST CK11: Field 1025 (cmn. CONFIG. ERROR cntr.) missing -> added - ST CK11: Field 1250 (degrade ALARM (C-Bus)) missing -> added - ST Transfer: Field 1260 (no connection to CC/CT) is LON visible -> added - FU DS11i, FU MS9i, FU A+, FU CBA, FU LON, FU A+ Line, FU CBA Line, FU DS11c, FU I/O, FU supply, FU ICO, FU CT panel, FU FBA panel, FU VdS, FU exting.: Field 1025 (cmn. CONFIG. ERROR cntr.) missing -> added - Table for new FD20 line card & line (struc 1311/1308) added for BDV 770 - DE DS11i mod., DE MS9i mod., DE A+ mod., DE UGA, DE LON 1, DE LON 2, DE LON 3, DE LON 4, DE LON 5 : Field 1025 (cmn. CONFIG. ERROR cntr.) missing -> added - DE LON 4, DE LON 5 : Field 1480 (communication lost) is LON visible -> added - DE 16 out (struc. 1458) separated from DE LON in and DE LON out due to differing LON visibility - Tables for new FD20 devices (1417, 1418, 1419, 1422, 1436) added for BDV 770
	X	Cust.text line 1	FLD0_0800	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structures 1308, 1311, 1419, 1504 - deleted structure: 1214
	X	Cust.text line 2	FLD0_0801	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structures 1308, 1311, 1419, 1504
	X	CSX no.	FLD0_0900	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structures 1308, 1311, 1417, 1418, 1419, 1422, 1436, 1504 - deleted structure: 1214
	X	Access level	FLD0_0908	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structure 1699
	X	Area CSX no.	FLD0_0909	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structure 1308, 1311
	X	indicators	FLD0_0913	<ul style="list-style-type: none"> - added information that bitset A/bit 7 'System on' is working inverted
X		Loc. index	FLD0_0989	<ul style="list-style-type: none"> - loc. Index of the physical devices
	X	Loc. index	FLD0_0997	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structure 1504
	X	Commissioning state	FLD0_0998	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structures 1308, 1311, 1417, 1418, 1419, 1422, 1436
	X	Cmn. ALARM cntr.	FLD0_1020	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structures 1308, 1311, 1419, 1504 - deleted structure: 1214
	X	Cmn. FAULT cntr.	FLD0_1021	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structures 1308, 1311, 1419, 1504 - deleted structure: 1214
	X	Cmn. ISOLATION cntr.	FLD0_1022	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structures 1308, 1311, 1419, 1504 - deleted structure: 1214
	X	Cmn. INFORMATION cntr.	FLD0_1023	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structures 1308, 1311, 1419, 1504 - deleted structure: 1214
	X	Cmn. CONFIG. ERROR cntr.	FLD0_1025	<ul style="list-style-type: none"> - stamps for BDV 770 created - new structures 1308, 1311, 1419 - deleted structure: 1214
	X	Loop mode	FLD0_1225	<ul style="list-style-type: none"> - stamps for BDV 770 created

New	Changed	Topic	Topic file name (.htm or .html)	Description
				- deleted structure: 1214
X		Emerg. Line mode	FLD0_1229	- stamps for structure 1213 (CK11) added
X		Station type	FLD0_1232	- stamps for BDV 770 created - deleted structure: 1214
X		ST state	FLD0_1279	- stamps for BDV 770 created - deleted structure: 1214
X		FU type	FLD0_1300	- description text for FU A+ changed in table - specific table for CS1140 and CS1145 showing the available FD20 boards
X		I-Bus address	FLD0_1301	- corrected description of collective boards E3M080, K3M080 for CS1145 - added FD20 board E3M140 for CS1140 and E3M140/K3M140 for CS1145 - correct I-Bus addresses for 'onboard I/O And 'onboard supply'
X		Loop mode	FLD0_1302	- description of FD20 line added for BDV 770. Field is not in use.
X		Line no.	FLD0_1316	- stamps for BDV 770 created - new structure 1308
X		LED 'operation' mode	FLD0_1339	- Information provided that this LED may also be de-activated via CT indicator
X		Interv.text after acknowledge	FLD0_1348	Improved wording
X		FU state	FLD0_1381	- stamps for BDV 770 created - new structure 1308, 1311
X		Device type	FLD0_1400	- stamps and description of the new FD20 DE structures added: 1417, DE FD20 det. 1418, DE FD20 man. 1419, DE FD20 mod. 1436, DE FD20 sounder
X		D-bus address	FLD0_1410	- stamps for BDV 770 created - new structures 1417, 1418, 1419, 1436
X		Device ID	FLD0_1412	- information added about validity of IDs
X		I/O type	FLD0_1414	- text restructured - new block inserted for FD20 (structure 1422)
X		I/O no.	FLD0_1415	- stamps for BDV 770 created - new structure 1422
X		I/O mode	FLD0_1416	- separated bit description for structures 1413, 1422 and 1433. - Information about wiring constraints added
X		Supervision time [s]	FLD0_1417	- new config. Field for structure 1419 (DE FD20 mod.)
X		PS no. (S-/C-LINE: manned; C-LINE: unmanned)	FLD0_1418	- new config. Field for structure 1417 (DE FD20 det.). Table with valid parameter sets (PS) per detector.
X		PS no. (S-LINE: unmanned)	FLD0_1419	- new config. Field for structure 1417 (DE FD20 det.). Table with valid parameter sets (PS) per detector.
X		Coll. Line type	FLD0_1423	Corrected mode table for structure 1434 (DE DS11i coll.)
X		ALERT sounds	FLD0_1425	New config.field for structures 1417 and 1436. Table with available sounds added.
X		Sounder volume	FLD0_1426	New config.field for structure 1436. Description added.
X		EVAC sounds	FLD0_1427	New config.field for structures 1417 and 1436. Table with available sounds added.
X		DE state	FLD0_1461	- stamps for BDV 770 created - new structure 1417, 1418, 1419, 1422, 1436
X		Appl. Fault counter	FLD0_1501	- stamps for new structure 1504 added and text improved
X		Ext.AI function	FLD0_1503	- stamps for BDV 770 created - new structure 1504
X		Mode (FD20 sounder)	FLD0_1504	- Config.field for sounder activation mode
X		Supervision time [s]	FLD0_1523	Valid ranges for the different structures

New	Changed	Topic	Topic file name (.htm or .html)	Description
				adapted
	X	Element type	FLD0_1534	- stamps for BDV 770 created - new structure 1504 - Structure-specific differentiation between standard element type and application specific element type
	X	AI's on acknowledge	FLD0_1602	Special link to the description of Extern.AI. using BDV 770
	X	TEST timeout [min.]	FLD0_1604	Valid range corrected
	X	RT device existing	FLD0_1812	Default settings changed
	X	Overwrite protection [h]	FLD0_2080	Information about event memory capacity added
X		CONFIG.DATA version key	FLD0_2082	New help
X		CUSTOMER TEXT version key	FLD0_2084	New help
X		STANDARD TEXT version key	FLD0_2085	New help
X		FD20 device ID	FLD0_4422	New topic for BDV 770 and structures 1417, 1418, 1419, 1436
X		Device version	FLD0_4423	New topic for BDV 770 and structures 1417, 1418, 1419, 1436
	X	Release notes	GEN0_Help_Release_Notes	Information for sales release added
	X	Welcome to BDV Help	GEN0_Welcome_to	Corrected hotline info (new dispatch center in Munich)
X		FU FD20 line	STR0_1308	Content similar to other detector lines
X		FU FD20	STR0_1311	Content similar to other detector line cards
	X	I/O	STR0_1413	Information clarified
X		DE FD20 det.	STR0_1417	Content from DS11i adapted - Short description of the functionality - Hyperlink to ext.AI description - Hyperlink to FD20 sounder application
X		DE FD20 man.	STR0_1418	Content from DS11i adapted
X		DE FD20 man.	STR0_1419	Content from DS11i adapted
X		DE FD20 man.	STR0_1422	Content from DS11i adapted
X		DE FD20 man.	STR0_1436	Content from DS11i adapted
	X	EL FD20/DS11i/A+ man.	STR0_1502	Text for BDVs 730 and 770 separated. This node now works also for the 'EL FD20 man.'
X		EL FD20 det.	STR0_1504	Content from DS11i adapted
	X	EL command	STR0_1570	Text for BDVs 730 and 770 separated. EL command links now also possible with FD20-DC-Inputs
	X	Service	STR0_2021	Textual corrections. Node exists in all stations, not only in CC and CT

The flash icons in the compiled help file (*.chm) indicate where the new/changed topics can be found.



Some of the topics were already available with EP7F-SR2, but only as single topic. They are marked with "**)" in the table above. In EP7F-Z1 these topics are included in the BDV help projects as well.

10 Supported devices / non-supported features

10.1 Supported devices

AlgoRex EP7F-Z1 (Embedded SW and AlgoWorks) supports more Sinteso device types than are available at the time of the release.

Following devices are supported and available:

S-LINE	C-LINE	Comment
Automatic Detectors		
Sub-types (-8, -9 etc.) of multi-protocol detectors are not distinguished by the panel (their functions are identical)		
FDO241	FDO221	Smoke detector
FDT241	FDT221	Heat detector
FD241	FD221	Infrared flame detector
FDL241	-	Linear smoke detector
FDOOT241	FDOOT221	Multi criteria detector (combined smoke/heat)

Manual Call Points		
FDM221		Type A (direct action)
FDM223		Type B (indirect action)

I/O-Devices and Line Separator		
FDCL221		Line separator
FDCI222		4x digital input device
FDCIO222		4x digital input / 4x output device

Sounders		
FDS221		Alarm sounder

Following devices are supported by EP7F-Z1 but not available yet. They will be released with the second market package of Sinteso:

S-LINE	C-LINE	Comment
Automatic Detectors		
FDOO241	-	Smoke detector high sens
FDO241-Ex	-	Smoke detector, explosible region
FDT241-Ex	-	Heat detector, explosible region

Manual Call Points		
FDM224		Type B (direct action)
FDM243-Ex		Type B (indirect action), explosible region
FDM244-Ex		Type B (direct action), explosible region

I/O-Devices and Line Separator		
FDCO221		1x digital output device
FDCIO221		1x digital input / 1x output device

Sounders		
FDS241-Ex		Alarm sounder, explosible region

10.2 Non-supported features

Some features of the new Sinteso devices are not supported with EP7F-Z1. The following table gives an overview:

Device type	Feature	Description / restriction
FDCI222 FDCIO221 FDCIO222	supervision of inputs (minimum time an input must be active before it is evaluated).	The built-in supervision of inputs in the devices is not supported. The same functionality is provided by the panel itself → supervision time in EL digital, EL digital det., EL digital man.
FDCIO221 FDCO221 FDCIO222	Pulse output (single pulse with configurable length).	The pulse output feature of the device is not supported. The same functionality is provided by the panel itself → activation timeout in the control zones 4/6.
FDCIO221 FDCIO222	Supervision of confirmation input directly in the device.	The built-in supervision of the confirmation contact is not supported. The same functionality is provided by the panel itself → EL out 2.
FDSB291	2 configurable volume levels.	Only the volume level 'high' of the base sounder is supported.
FDOO241	Input for air flow supervision.	Not supported.
FDOOT241 FDOOT241-Ex FDOOT221	Usage as sub-type FDO or FDT.	The detector type FDOOT is only supported as multi criteria detector. Usage as sub-types FDO and FDT is not supported.
FDM2xx (manual call points) FDS2x1 (alarm sounders)	External alarm indicator.	The external alarm indicator is fix assigned in parallel to the internal alarm indicator. Flexible usage as with the automatic detectors (in parallel to zone, as control output) is not supported.

11 Important information about Sinteso commissioning

11.1 General

This chapter informs about important rules and best practice concerning commissioning of Sinteso detection lines. Please read the information carefully and follow the rules before installing and commissioning a customer site. Otherwise different problems might occur during commissioning.

11.2 Commissioning rules

The following rules are mandatory for commissioning an FD20 line correctly.

Rule	Reason / Comment
During the message <i>Line getting ready, please wait</i> don't manipulate on the corresponding line.	The message is displayed when a line is starting up. This process mustn't be interrupted! It takes approximately 2 seconds per installed device.
If some faults on the loop as well on its stub lines appear, fix the loop faults first.	The system needs a valid topology to display the stubs correctly. A problem on the loop could display a stub on stub situation which is an invalid situation.
When exchanging devices, wait until the alarm indicator of the inserted device is flashing (typically during 20 seconds after insertion) before you exchange the next device.	The inserted device must be properly registered by the system before the next device can be processed.
Stub on stub installation is not allowed.	It is not a valid installation. Only stubs on loop or one stub is allowed.



Please see also online help of AlgoWorks for descriptions of the commissioning procedures and further important information about the commissioning of Sinteso detection lines.

11.3 Best practice

The following workflow / manipulations are helpful and recommended:

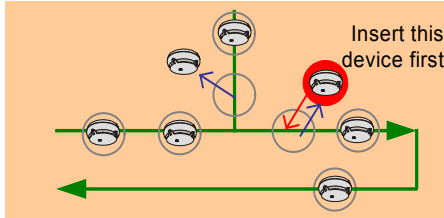
Suggestion	Reason / Comment
It is recommended to exchange detectors one by one. If you do not change detectors one by one a <i>Re-configure D-Bus</i> command might be necessary after changing.	Each manipulation on the line must be properly registered by the system before the next one can be processed. If several devices are removed and re-inserted, the system cannot properly re-assign the inserted devices until their positions are clear. Depending on the installation topology the positions might not be clear until the last device has been re-inserted.
It is recommended to carry out the line function <i>Re-configure D-Bus</i> after having made many changes at the same time, in particular if there are fault messages, which do not disappear when expected.	The function clears up the configuration data of the line.
When using the dialog <i>Installed and Configured FD20 Device</i> , push the <i>Update</i> button, before you do further manipulations.	When the dialog is opened, it shows an earlier updated situation. It could be different from the current installation. After pushing <i>update</i> you will get the actual installed situation again.
Before leaving the system, carry out different Consistency checks to verify your configuration data.	Make sure that the current configuration is allowed and intended.
DO NOT exceed the maximum number of 126 devices per detector loop and consider the load factors of the different devices!	Please use the excel sheet 8478 provided for the calculation of load factors prior to the installation of Sinteso detector lines or the AlgoWorks consistency check to verify if the loop population in a configuration is within the allowed limits.
When exchanging a device, take out the old device and wait until the system generates a message on the panel or wait typically 30 seconds, before reinserting the new device.	The system needs to know that a device is missing, before reinserting the new one.
If several <i>Device Read-in</i> commands has been carried out on different installation topologies, it might be helpful to read-in an empty line (short circuit on the terminals) once. Repeat the function with the connected devices again.	It could be that not all devices are read properly. The command without connected devices cleans up the line information on the station.



Please see also online help of AlgoWorks for descriptions of the commissioning procedures and further important information about the commissioning of Sinteso detection lines.

11.4 Restrictions and known bugs

Please note the following restrictions and known bugs of EP7F-Z1.

Restriction / bug / symptom	Description	Measures
The message 'Localization by TOPOLOGY read-in' does not disappear after termination of the Device Read-in command.	A device read-in can be initiated in AlgoWorks <ul style="list-style-type: none"> – from within the dialogue 'Installed and Configured FD20 devices' via button 'Update' → in this case the new data is uploaded to AlgoWorks automatically after the read-in – via separate menu function 'Station Commands' -> 'Device read-in' 	Execute the line function 'Re-configure D-Bus' on the respective line. The isolation message 'Localization by TOPOLOGY read-in' will disappear after the re-configuration of the line. Or a download command will disappear the message as well.
A short-circuit on a Sinteso detection line can lead to incorrect fault messages of devices on the line. These messages appear in addition to the messages indicating the line fault. The device fault messages do not automatically disappear after the short-circuit has been repaired.	Depending on the location of the short-circuit within the installation topology of the line, it can happen that incorrect fault messages of devices are displayed → the faults appear due to "topology problems" and not due to faulty devices. After the short-circuit has been repaired the line fault messages disappear but the incorrect device fault messages remain.	Repair the short circuit on the line and then execute the line function 'Re-configure D-Bus'.
After extensive manipulations on or a complete exchange of a Sinteso detector line the isolation message 'line getting ready, please wait' (at station level) does not disappear anymore.	If the installed topology and the configured topology are completely different, the SW cannot match the corresponding devices anymore. This should only happen in very rare cases, e.g. if 2 lines have been disconnected (HW-wise) and then re-connected to the wrong terminals (e.g. loop 1 connected to terminals 3&4 instead of 1&2 and loop 2 to terminals 1&2 instead of 3&4).	Check if the line connections are mixed-up. If not: <ul style="list-style-type: none"> – Delete the Sinteso line card (incl. all devices) on which the extensive manipulations had been made. – Download the station configuration WITHOUT the Sinteso line card to the respective station. – Re-create the Sinteso line card again. – Read-in the line configuration and continue/repeat the commissioning of the line (use the AlgoWorks dialogue 'Installed and Configured FD20 devices').
The alarm indicator of a device does not flash when it is inserted even it is the correct device type.	Depending on the installation topology it can be important in which order devices are inserted on the line. In the following loop/stub situation the device on the loop must be inserted before the device on the sub-stub: 	Always insert the devices on the loop first and then the devices on stubs. If the internal alarm indicator does not flash insert another device first and then try again. When all devices have been inserted, execute the function 'Re-configure D-Bus'.
Alarm sounders can not be synchronized with base sounders and vice versa.	If a mix of alarm and base sounders is given on the same FD20 line, only the same type of sounders will be synchronized.	Try to use the same type of sounders. But is possible to synchronize alarm or base sounders station wide by using the corresponding terminals on the line card.
If you press the button "Alarm devices activate" on the CT panel to reactivate the sounders, the sounder always sounds on the defined EVAC mode. See also chapter 5.4.2	The EVAC sound has a higher priority as the ALERT sound and therefore the button will start EVAC.	If you only use the alert sound on a loop or base sounder and you would like to start alert sound by using the button "Alarm device active" on the panel, please program as follow: Set the field 1504 "mode (FD20 sounder)" to EVAC and select the necessary sound you would like to have. If you than activate on the panel, it sounds on your defined sound, which symbolizes alert.

12 Update procedure EP7F-SR2 to EP7F-Z1



For detailed information about the update procedure from EP7F-SR2 to EP7F-Z1, please see document [2].

13 Miscellaneous

13.1 Restrictions

13.1.1 LMSmodular SW update for Sinteso

The LMSmodular software will be updated soon to support Sinteso devices as well. Please contact the corresponding Product Manager for LMSmodular.

13.1.2 Default Base Data Variant for EP7F and Rescue Upload

A Rescue Upload is only possible, if there is a correct entry for the EP7F default Base Data Variants. If this field is empty, it results in an error message if a Rescue-Upload is started.

This may occur, if only EP7F Z1 (without a former version of EP7F) is installed on your PC.

With EP7F Z1 there are new Z1 defaults (see chapter 4.3.1). Only these Z1 defaults will be set during the Z1 BDV installation, the settings from EP7F will not be changed.

Solution:

If Z1 is installed separately on your PC (you will find no entries for the EP7F default Base Data Variant) and you get the above mentioned error message when you try to do the Rescue Upload, please execute the file HotfixDefBDV.reg (contained in Setup_TC\BaseDataVariants_J0\EP7F_J0_770_03). This file should also be deployed on your installation CD for the service technicians.

A manual fix is also possible by adding the Z1 BDVs in "Options → Default Settings" as default EP7F BDV's (Site Management).

13.2 Known bugs

These known bugs are not EP7F-Z1 independent.

13.2.1 Alarms from collective line cards acknowledged by DMS

Bug description	IPUS no.	5280
If the AlgoRex system is connected to a danger management system (DMS), alarms from the collective lines must be acknowledged twice by the DMS.		
Correction / Workaround		
--		

13.2.2 CBA line card

Bug description	IPUS no.	5317
If the AlgoRex system includes a CBA-Card (E3M120) the system generates sometimes a FATAL FAULT message.		
Correction / Workaround		
--		

14 Documentation

Most documents were changed/updated for EP7F-Z1. They are now available as DOC-Files (Microsoft Word format) as well.

Document no	Content
008722_a_en_--	Fire detection system
001260_j_en_--	Hardware description, modules
008725_a_en_--	Planning
008726_a_en_--	Commissioning of hardware
001386_e_en_--	Maintenance instructions
001508_d_en_--	Guidelines
001099_i_--_--	Modules overview
008164_a_en_--	Detector system Sinteso, Equipment overview
008727_a_en_--	CI1145, Planning Installation, Hardware description



The latest AlgoRex documentations are available on Siemens Intranet (STEP).

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Section 9