

ABB Procontic b

Programmable Control
System

ABB Procontic field bus ZB10 3.1
Hardware

Networking

ABB Procontic field bus ZB10 3.2
Planning

930 PC 30
Programming and test software 3.3
for ABB Procontic field bus ZB10

ABB Procontic field bus ZB10, hardware

The manual 'ABB Procontic field bus ZB 10, Hardware' (Order number GATS 1350 01 R2001) provides for the following information:

- Data transmission
- Telegram structure
- Reliability of transmission
- Bus coupling modules
 - Components
 - Settings
 - Address ranges
- Bus control modules
 - Components
 - Settings
 - Address ranges

The features of the ABB Procontic field bus ZB 10 are:

- Data feeder for transmitting data which occur at various locations in the process system
- Mutual linking of processing stations with immediate provision of the data in buffer files and with preselection (marshalling) for relieving the processing equipment
- Marshalling in every participant
- Diagnosis for detecting and reporting any failure of a participant at the bus.

The following control systems may be connected to the ABB Procontic field bus ZB 10:

- ABB Procontic T300
- ABB Procontic T200
- ABB Procontic b

ABB Procontic field bus ZB10, planning

The manual 'ABB Procontic field bus ZB 10, planning' (Order number GATS 1350 02 R2001) contains all the important data for planning the application of the ABB Procontic field bus ZB 10 in the control engineering field and for commissioning the system.

It provides for the following information:

- Application guidelines
- Types of cables
- Bus coupling modules and bus control modules
 - Address setting and jumpers
 - Commissioning regulations
 - Procedure for the preparation of marshalling lists

930 PC 30, programming and test software for ABB Procontic field bus ZB10

The 930 PC 30 programming and test software (Order number GJP5220300R0202) is supplied with a detailed operating manual.

The 930 PC 30 program package allows the simple and low-cost programming of ABB Procontic field bus ZB10 programs on the basis of commercially available IBM-compatible personal computers, type 07 PH 32.

The capabilities of the 930 PC 30 programming and test software are as follows:

- Input and OFFLINE changes of the marshalling lists
- Archiving
- Programming EPROMs
- Print-out of the marshalling lists
- Menu-prompted programming of EPROMs
- Error messages

The 930 PC 30 programming and test software describes:

- Inputs and activities needed for starting the programming system
- Input of the marshalling lists
- Commands of the programming system with the associated screen forms for the various marshalling lists
- Procedure and boundary conditions for the transmission of a marshalling list
- Activities of the user compiled in a "book of recipes"
- Print-out
- Possibilities for changes

