

Transponder Coding TC Program - Quick Instruction

Installation

For installation, please start the 'Transponder_Coding.exe' and follow the instructions.

Important notice:

Euchner Transponder Coding was programmed using Microsoft Visual Basic® 6.0. Therefore the runtime-library of Visual Basic 6.0 has to be available on the system. If the set-up program states that this library is not on the system, the required files will be installed. After that, the computer must be restarted. Then the set-up program might have to be executed once again in order to install Transponder Coding.

After successful installation, Transponder Coding can be found in the directory chosen during set-up. Transponder Coding can be deinstalled using the standard Windows® system control routine.

Overview

This program is intended to be used for reading and programming transponders (data carriers) with an ident system connected to the serial interface of a PC. Transponders with the following memory types are supported:

- ▶ 16 Bytes read/write (no serial number)
- ▶ 116 Bytes read/write plus 8 bytes serial number read-only
- ▶ 5 Bytes serial number read-only

In the primary screen all supported transponder types can be handled. Under 'Options' an extended program (description below) can be opened which is dedicated to the 16 bytes transponder only.

Display fields

hex/Text (ASCII) In this field the presently active data set is displayed in hex and ASCII mode in parallel. Data input is possible for the read/write transponder in both sections and automatically translated alternately. In one line 16 bytes are displayed. Above the hex/text field, the unique serial number of the present transponder is displayed (116 bytes type only). Below the edit-field is a viewer on single bytes of the active data set. The byte number and the content is shown in hex, ASCII and binary mode simultaneously. On the 116 bytes data carrier for example, byte number 0 (first) through byte number 115 (last) can be selected in the hex or text field for display.

Read History In this field a history of all read data carriers from the actual session is displayed, one data carrier per line. The display mode can be switched between ASCII and hex. The selected and highlighted data set of the list is displayed in parallel in the active hex/text field. On 116 bytes data carriers the associated serial number is attached to the read data string. Use the left/right scroll bar for visualisation.

Write History	In this field a history of all programmed data carriers from the actual session is displayed, one data carrier per line. The display mode can be switched between ASCII and hex. The selected and highlighted data set of the list is displayed in parallel in the active hex/text field. On 116 bytes data carriers the associated serial number is attached to the read data string. Use the left/right scroll bar for visualisation.	
Light indicator	green	Ident system operating, transponder not in active range.
	yellow	Transponder in active range.
	red	No connection of PC to ident system or wrong transponder type.

Functions

Transponder Type	Selection between transponder type to be read and/or programmed.	
New	The data contained in the active hex/text field are deleted. A new data-set containing 00hex is displayed and can be edited.	
Read	The present transponder is being read and the data are displayed in the hex/text field and the read history list.	
Write	The present transponder is being programmed with the data contained in the active hex/text field and the data are displayed in the write history list. This function is available only if a read/write transponder type is selected.	
Clear	The content of the read or write history list gets completely deleted.	
File	New	Same function as 'New' button.
	Open	Previously saved transponder data, ASCII or hex mode, are being loaded into the hex/text field.
	Save	The previously opened file is overwritten with the presently active data in the hex/text field.
	Save as	The data-set displayed in the hex/text field is being stored in a file on the PC. The file name and location can be chosen. The data storage format can be selected between ASCII mode (file extension *.txt) or hexadecimal mode (file extension *.hex). One file represents the data content of one single transponder.
	Exit	Closes the program.

Options	Configuration	COM Port	Selection of the serial interface port COM1 through COM8
		Baud Rate	Selection between 9600 baud or 28800 baud data transmission rate on the serial port
		Transponder Type	See above
	Filling Character	Performs input of a filling character into the hex/text field. The complete field is being filled with this character from the cursor position to the end of the programmable data string. Depending on the cursor position in the active field, hex or ASCII input is required.	
	Extended Program (16 Bytes)	The extended program is especially useful for programming con- secutive numbers into a series of data carriers (Auto Increment function). On the right side of the screen a read-only ident system with a 4-bit parallel data line is simulated.	
About	Information on the software		