Tech-note

Connecting UniOP to Moeller Easy800

This Technical Note contains all the information required to connect the UniOP panels to a Moeller Easy800 controller. The Moeller Easy800 driver is associated to the Designer file D32uplc193.dll.

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1 Introduction

To create a Designer project for Moeller Easy800, select the driver “Moeller easy800” from the list of available communication drivers in the “Select Controller” dialog box.

2 Controller Setup

Communication parameters for serial communication can be adjusted by clicking the “PLC Comm...” button. The default communication parameters are set to 19200,N,8,1.

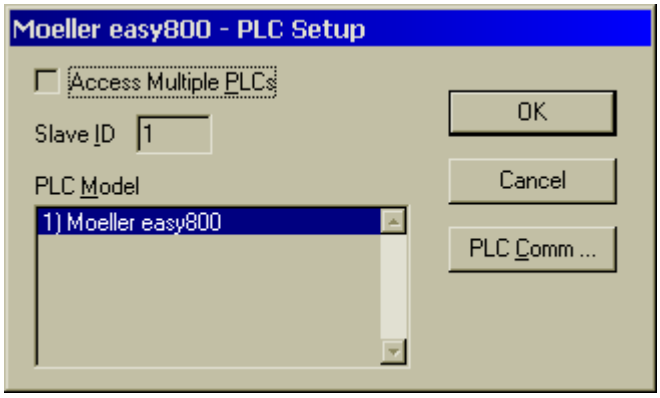

Figure 1 – Controller Setup Dialog Box

3 Data Field Properties

The Data Field Properties dialog box is shown in Figure 2 below.
The “Object” combo box contains all the objects in the controller’s memory available for use with the panel.

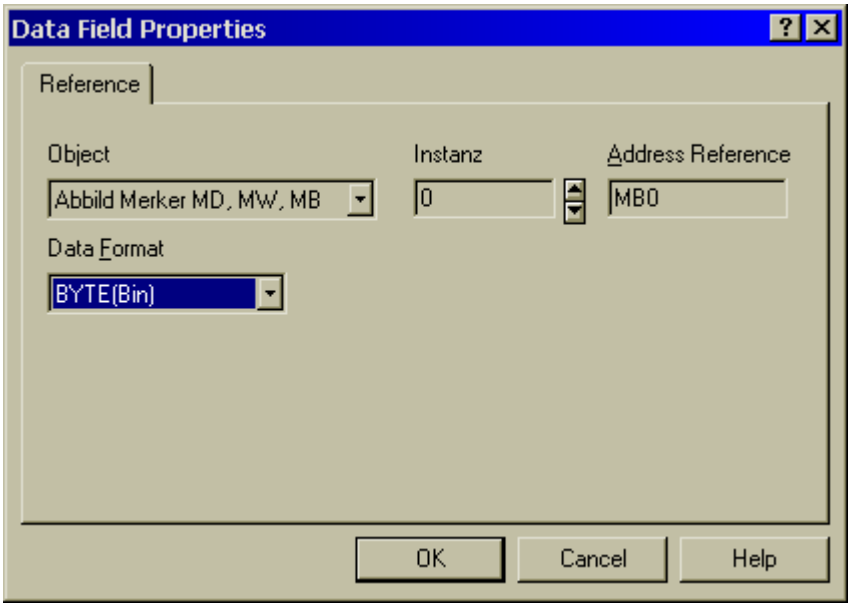

Figure 2 - Data Field Properties Dialog Box

Appendix A. - Communication Status Codes

The System Menu shows the current communication status of the panel.
A message and a numeric error code report the communication status.
The message describes the current communication status. The number shows the code of the current communication error or, if the communication is correct, the code of the last error encountered. When the error code 0 is shown, it means there have been no communication errors since this system start-up.

Code	Description	Notes
00	**No error**	There are no communication errors and there have been no errors since start-up.
04	Response error	PLC's frame is illegally formed, or PLC returned a NAK response.
05	Timeout error	Indicates a Time Out in communication. The communication line has been broken or the modem has had a power fail.
06	Reception buffer overrun	UniOP has received a frame whose length exceeds UniOP's reception buffer size.
07	Internal failure	This should never happen. It indicates a hardware problem or software low-level problem.
11	Line error	Indicates that communication parameters settings are not matching on UniOP's side and modem's side.
12	Checksum error	Indicates that the checksum received in PLC's response frame does not match checksum calculated from received data.

Appendix B. Technical Data and Connection Information

Default transmission parameters are set as follows:

Transmission speed:	19200
Start bits:	1
Data length:	8
Parity:	no
Stop bits:	1
Flow Control:	none

Note: in case when PLC network is configured, UniOP is connected via RS232 cable to only one PLC. All other PLCs are connected sequentially one to another using EasyNet network. Please, refer to the manufacturers documentation for details regarding EasyNet network.