General Specifications

LL50A Parameter Setting Software with Ladder Program Building Function

UTAdvanced™

GS 05P05A01-01EN

Release Number: R2

■ Overview

The LL50A Parameters Setting Software is designed to build and set parameters, ladder programs, and the like of the UTAdvanced digital indicating controllers from a PC. The tuning and monitoring of ladder programs are possible during communication with the controllers.

■ Main Features

A Variety of Connection Methods
In addition to a connection with a Light Loader (dedicated) adapter, connections with a communication terminal on the rear panel and a dedicated cable are available. As for the connection with a dedicated cable, settings can be made when the controller power is not energized.

Parameter Setting Function
This function allows for setting and changing the parameters of the controller.

Tuning Function
This function allows for adjusting the PID parameters while watching the PV, SP, and OUT trend graphs.

Ladder Program Building Function
This function allows for building the input and output signal sequences of the controller using the ladder program. Various calculations are possible using basic and application commands.

Network Profile Creating Function
This function creates an Electronic Device Data Sheet for PROFIBUS-DP communication.

■ Functions

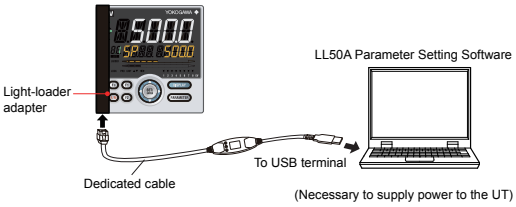
Parameter setting function	Parameter setting Display level switching
Ladder program building function	Ladder program building Program check
Monitoring function	Tuning Registor monitoring Ladder program monitoring
Network Profile Creating function	Profile creating
Other functions	File management Conserving function of CSV format Communication processing Upload/download Communication comparison Reset to factory default Reset to user default Communication condition setting Print

■ Applicable Controllers

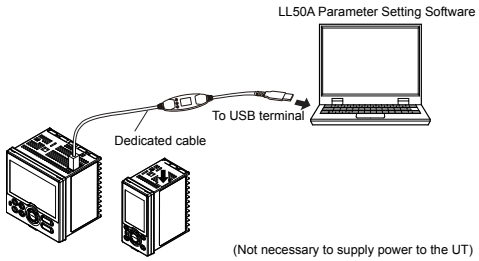
UT55A digital indicating controller
UT52A digital indicating controller
UT35A digital indicating controller
UT32A digital indicating controller

■ Connection between PC and Controller

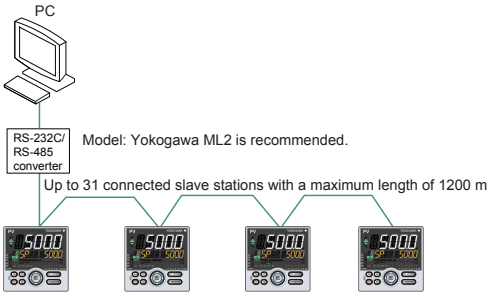
Connection with a Dedicated Adapter
Connect the dedicated cable to the dedicated adapter and then attach the dedicated adapter to the front of the controller.



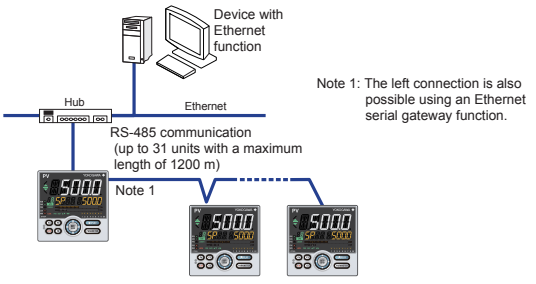
Connection with Dedicated Cable
This connection allows for setting parameters, writing ladder programs, and the like when the controller is not energized.



RS-485 Communication Terminal Connection



Ethernet Communication Connection



An Ethernet connection is also possible using controllers with an RS-485 communication function and an Ethernet/RS-485 converter (Yokogawa VJET is recommended).

2nd Edition Nov.30, 2009 **(KP)**

■ Operating Environment

PC

Applicable OS

Windows XP Professional (with Service Pack 2 or later)

Windows Vista Business (with Service Pack 1)

Only the 32 bit version of each of the above OSs

.NET Framework 3.5 SP1 is installed.

Recommended CPUs

Pentium 4 Processor 2.4 GHz or higher

(3.0 GHz or higher in Windows Vista Business)

Pentium D Processor 2.6 GHz or higher

Pentium Core 2 Duo Processor 1.8 GHz or higher

Pentium Dual-Core Processor 1.6 GHz or higher

Recommended Main Memory

Windows XP Professional: 512 MB or more

Windows Vista Business: 2 GB or more

Hard Disk Space

Program storage capacity: 100 MB or more

.NET Framework 3.5 SP1 storage capacity: 620 MB or more

Display

1024 x 768 pixels or more

Color: 256 colors or more

Communication Port

For communication with a dedicated cable, use an USB port.

For communication via a RS-485 communication terminal, use a RS-232C port (An RS-232C/RS-485 converter is required; Model ML2 is recommended)

For Ethernet communication, use 10BASE-T /100BASE-TX.

Peripheral Devices

One CD-ROM drive (for installation)

Printer (for printing A4-size paper or letter-size paper for the English version)

Dedicated Adapter

Communication method:

Non-contact, two-way, serial optical communication on the controller side

Power supply:

Supplied from the USB bus power

Rated input voltage: 4.75 to 5.25 V DC, 100 mA DC (including the dedicated cable)

Ambient temperature: 0 to 50°C

Ambient humidity: 20 to 90%RH (No condensation)

Transport and storage conditions:

-20 to 70°C, 5 to 90%RH (No condensation)

Dust-proof and drip-proof: Unsupported

Dedicated Cable

USB serial converter is incorporated

Compliant with the USB Specification Rev. 1.1

USB Series “A” plug on the PC side

Dedicated plug (5-pin) on the adapter side

Cable length: About 2.7 m

Note: Directly insert the USB plug into a USB port on the PC.

■ EMC Standard

CE marking: EN61326-1 Class A, Table 2
(For use in industrial locations)

C-tick mark: EN55011 Class A, Group 1

■ Package Items

CDs: Two

LL50A software/USB conversion driver

LL50A User’s Manual

LL50A Installation Manual: One

Dedicated cable and dedicated adapter: One

■ Model and Suffix Codes

Model	Suffix code	Description
LL50A	-00	Parameter Setting Software with Ladder Program Building Function

■ Items to Specify when Ordering

Clearly state the model and suffix code.

Trademarks

Windows XP / Vista and .NET Framework are registered trademarks of Microsoft Corporation in the United States.

Pentium and Core 2 Duo are registered trademarks of Intel Corporation in the United States.

Ethernet is a registered trademark of Xerox Corporation in the United States.

Other company and product names are trademarks or registered trade marks of their respective holders.