

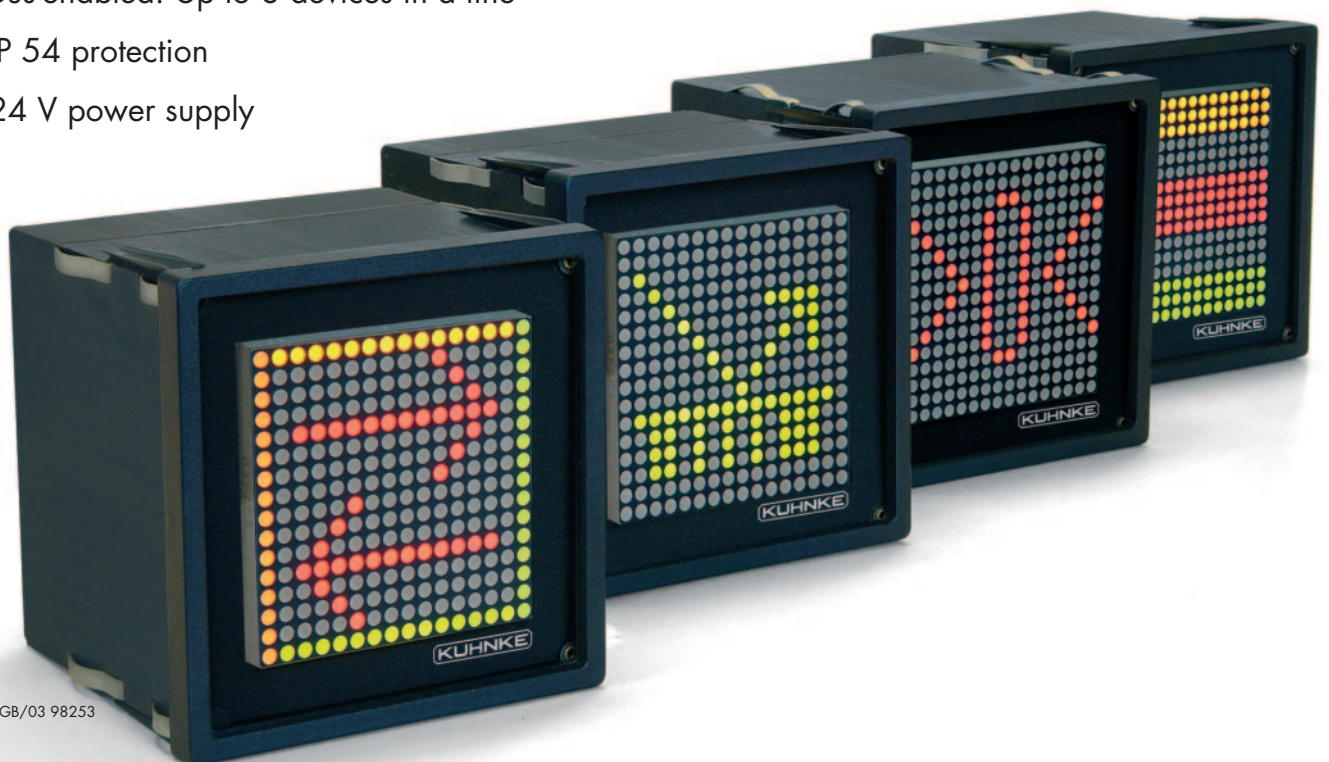
NEW!

IMPULSES FOR AUTOMATION

LED Terminal KDT621

KDT621 the display unit for various control systems

- Readable at large distance
- RS485 connector (e.g. S7-200)
- 256 three-colour LEDs (red, green, orange)
- Bus-enabled: Up to 8 devices in a line
- IP 54 protection
- 24 V power supply



System description

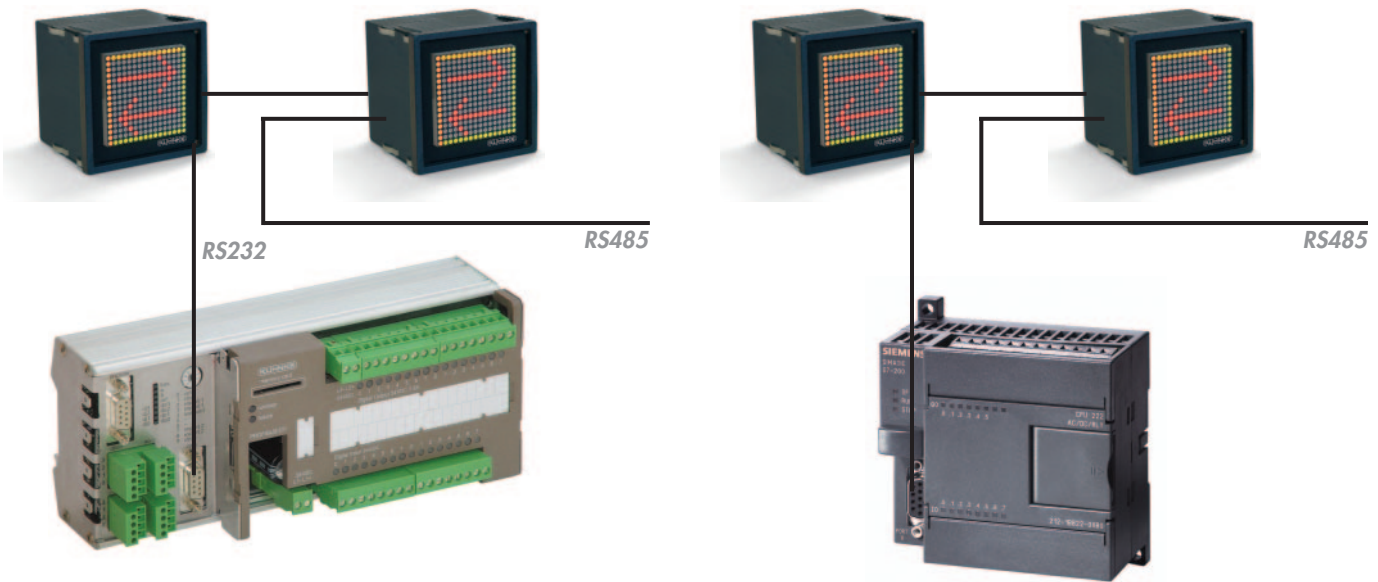
Kuhnke designed **KDT621** as a LED terminal mainly with the idea of pictographs for the visualisation of machine processes in mind. Its 256 LEDs, each 3 mm big, depict process states clearly enough that you can recognise them even at a greater distance.

Every LED can be actuated to light up in one of three colours, making for a clear visualisation of three-stage concepts of operation (error, warning, notification). Especially when it comes to international application it seems wise to use pictographs rather than text.

An integrated networkable RS485 interface is the port through which a single PLC can control up to eight **KDT621**. In case the PLC has not enough memory, the pictographs can be stored directly in **KDT621**.

Connection to PLC systems

LED terminal
with *RS232-to-RS485* adapter

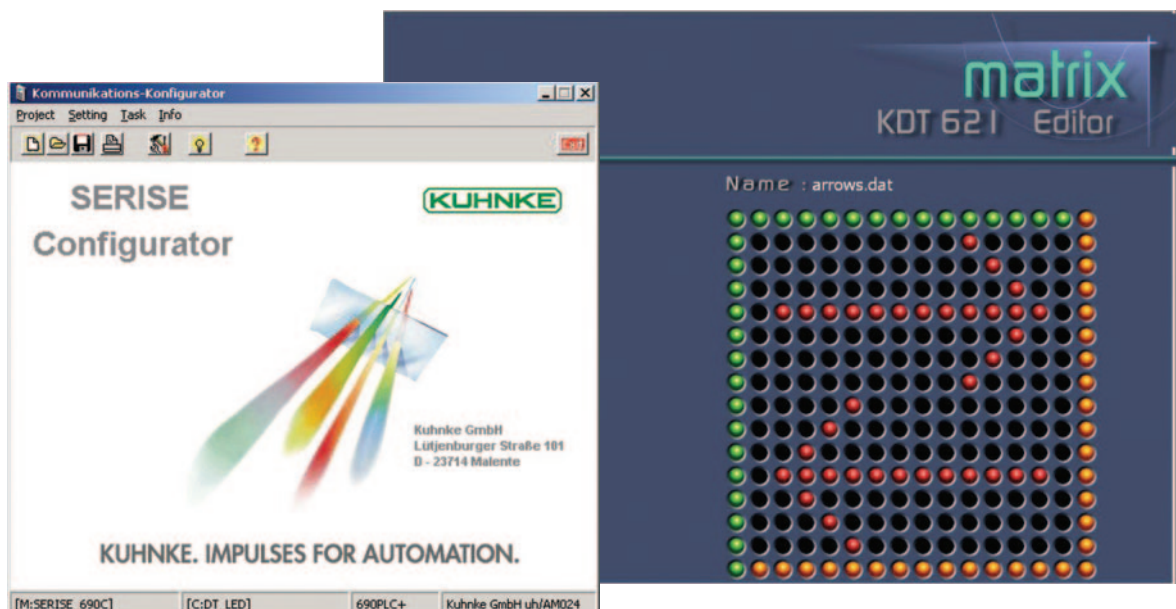


Software

MATRIX is the application used for creating the pictographs. It runs on all Windows platforms and allows you to draw the pictographs in the three available colours. MATRIX creates text files which can be integrated in data modules. Communication between the PLC software and the LED terminal is ruled by the ASCII protocol.

Start and end characters set the frames for the address, the instruction and the pictograph data and are sent to the PLC through the serial port. Kuhnke systems run SERISE to set the serial port parameters. The data is available as a task which gives PLC programmers access to the serial interface.

Please visit us on the Internet to find example programs for Kuhnke PLC systems and Siemens's S7-200.

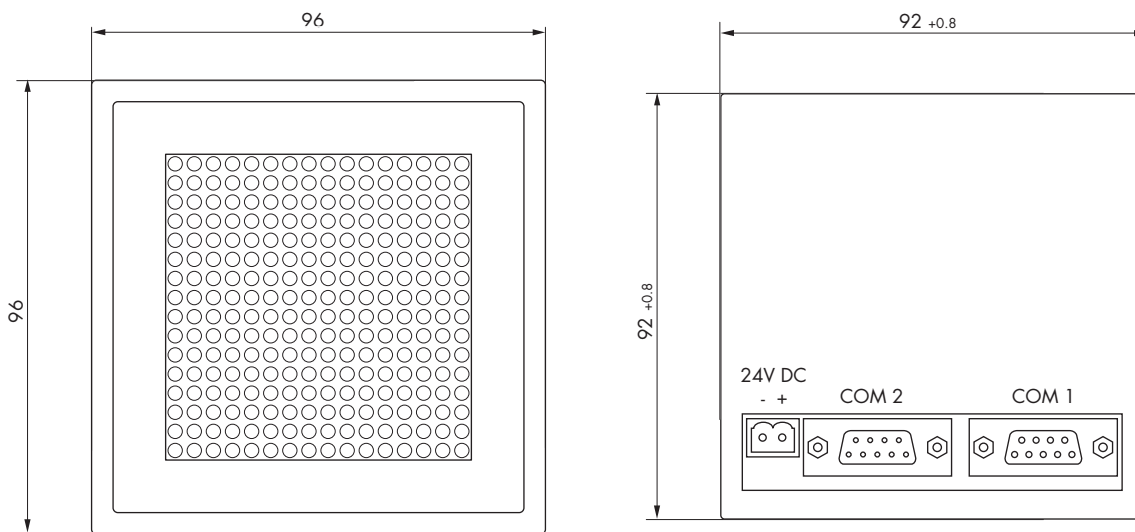


Interfaces

RS232	COM1 possible via integrated adapter
RS485	COM1, COM2
Baud rate	9600 baud
Data format	N,8,1
Instruction set	clear, display pictograph, flash, reset, show ASCII characters
Address definition	DIL switch sets an address between 0 ... 7
Bus termination	Activated by DIL switch

Installation

Front panel opening	92 mm x 92 mm (+ 0.8 mm)
Dimensions	96 mm x 96 mm x 90 mm



Technical data

Supply voltage	24 V DC +/- 20 %
Power consumption	2.5 W (typical)
Ambient temperature	0 ... 45 °C
Dimensions	96 x 96 x 90 mm
LED	
Quantity	16 x 16
Diameter	3 mm
Colours	Red / green / orange
Protection	IP 54 (with seals installed)
Housing	Plastic, DIN 43700



Order data

Part number	Description
621.000.00	KDT621
621.000.01	KDT621 RS232

The Kuhnke Group

- Family-owned business
- Founded in 1928
- Manufacturer of high-precision systems for Automation & Automotive
- Four technologies:
 - Electronics
 - Pneumatics
 - Solenoids
 - Relays
- Highly qualified tooling and special purpose machine builder
- Production sites all over Europe
- Industries:
 - Machine Building
 - Medical Technology
 - Automotive

Kuhnke – International Distribution

Subsidiaries and agencies in

- Austria, Belgium, Cyprus, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Israel, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, Turkey, UK
- USA
- Chile, Mexico, Venezuela
- South Africa
- China, India, Korea, Singapore, Taiwan
- Australia

Kuhnke – Worldwide Quality

Kuhnke production is European based in our own factories. Quality management at these operations in Germany, Italy and Romania ensures that production facilities are permanently adapted to international and industry-specific standards such as QS 9000 or VDA 6.1.

Kuhnke provides cross-industry quality competence, a comprehensive distribution network, and global key account management.

www.kuhnke.com



DIN EN ISO 9001 – QS 9000 – VDA 6.1



KUHNKE

KUHNKE.
IMPULSES FOR
AUTOMATION.

Kuhnke GmbH
Lütjenburger Straße 101
D-23714 Malente, Germany

Phone +49 (0) 45 23 / 4 02 -0
Fax +49 (0) 45 23 / 40 22 47
Internet www.kuhnke.com
E-mail sales@kuhnke.de

This data sheet is primarily intended for use by design, project, and development engineers. It does not contain any availability information. Data is only given to describe the product and must not be regarded as guaranteed properties in the legal sense. Any claims for damages – on whatever legal grounds – are excluded except for instances of deliberate intent or gross negligence on our part. We reserve the rights for errors, omissions and modifications.