	ELEN, s.r.o., Lubochnianska 16, 080 06 Lubotice, Slovakia	
	DATASHEET	Datasheet No.:
Product name	Textual displays	15041401
Type / Model	TDU 76-10/144x2 RG L30 230AC	
Order code	ZZ0678-X	Date of last revision: 14.04.2015



TDU 76-10/144x2 RG L30 230AC series alphanumeric displays are programmable electronic devices for displaying static or moving textual information.

These displays are manufactured with high-brightness AllnGaP dot matrix LED modules, which ensure their good displaying properties and long lifetime. Their mechanical design makes them suitable to be used in industrial indoor environments with standard artificial ambient light conditions.

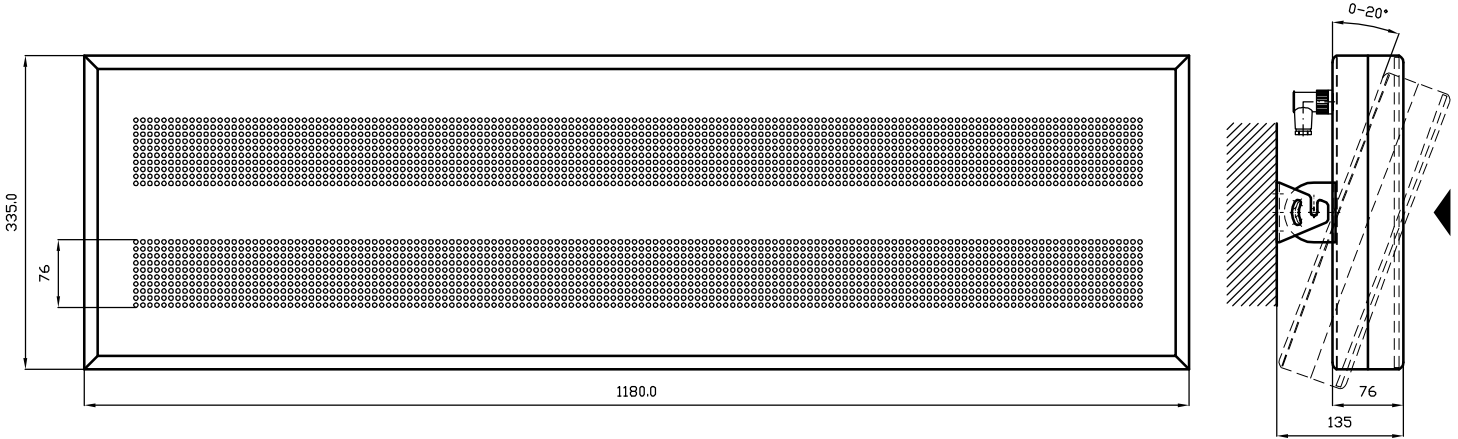
Software PC application for creating and programming text messages into display, or communication protocol description for programming the PLC control unit is also included with delivery.

Technical Specifications

Character height	76 mm (also depends on font height used)
Readability range	about 40 m max.
Number of sides	1
Number of lines	2
Row display matrix	10 x 144 dots x 2 lines
Number of characters	20 max., moving message also possible
Color of displaying elements	red, green and orange (by combination)
Type of displaying elements	high-brightness AllnGaP dot matrix LED modules, suitable for indoor light conditions
Frame	external aesthetic aluminum frame platinum matt or gray color, steel back panel with black powder paint coating
Front cover	brown tinted plexi-glass, 3 mm thick (not anti-reflective)
Class of protection	IP 30
Communication interface	serial RS232, RS485 with galvanic separation, Ethernet TCP/IP, Profibus DP, ProfiNet, LonWorks® FTT-10, parallel, and others on request
Communication protocol	ELEN-UNI-TXT, TCP/IP, and others on request
Data / mains connector	industrial grade, IP 65, type Binder, RJ45 for LAN, D-Sub9 (depends on communication interface)
Power supply	230 VAC, 50 Hz (others on request, e.g. 24 VDC, ...)
Dimensions	1 180 mm x 335 mm x 76 mm (please see dimensional drawing, page 2)
Working temperature	-20°C ÷ +50°C
Mounting	from ceiling, or wall mounting on a tilting console

Dimensional drawing

Mounting on the wall



Options of communication interfaces (others on request)

	Type of connector
RS485, or RS232	Binder
Ethernet TCP/IP, ProfiNet	RJ45
Profibus DP	D-Sub 9-pin, or Turck 2 pcs.
Service programming cable RS232	Binder