

	ELEN, s.r.o., Lubochnianska 16, 080 06 Lubotice, Slovakia		
	DATASHEET		Datasheet No.:
Product name	Textual displays	12053001	
Type / Model	TDU 76-10/xxx...H20(H43)		
Order code	(depends on the type of display)	Date of last revision:	30.05.2012



TDU 76-10/xxx...H20(H43) series alphanumeric displays are programmable electronic devices for displaying static or moving textual information.

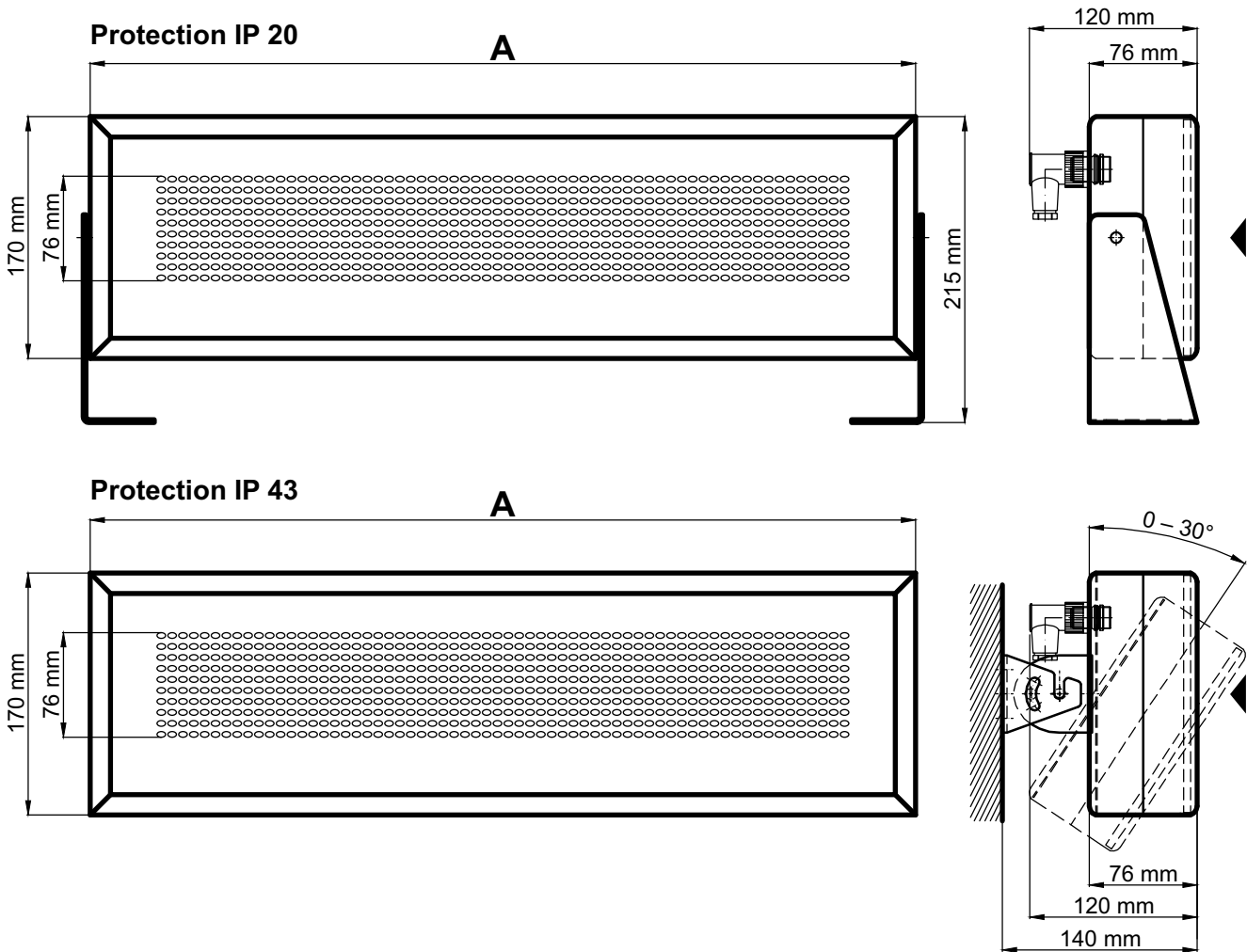
These displays are manufactured with high-brightness AlInGaP elliptical LED elements, which ensure their good displaying properties and long lifetime. They are suitable for use in indoor environment with demanding light conditions (e.g. showcase windows, cash desks, etc.).

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
Readability range	up to 30 m
Number of sides	1 or 2
Number of lines	1
Row display matrix	10 x 64 – 208 dots, depending on the type of display
Number of characters in 1 row	10 – 34 depending on the type of display and used font (more characters are possible using smaller font)
Color of displaying elements	yellow by default, red also available on request
Type of displaying elements	high-brightness AlInGaP elliptical LED diodes, suitable for demanding light conditions
Frame	aesthetic aluminum frame of platinum matt color
Front cover	anti-glare PERSPEX glass with optical filter, 5 mm thick
Class of protection	IP 20 or IP 43
Communication interface	serial RS232, RS485 with galvanic separation, Ethernet TCP/IP, Profibus DP, LonWorks® FTT-10, parallel, and others on request
Communication protocol	ELEN, Profibus DP, TCP/IP, LonTalk, and others on request
Data / mains connector	industrial grade, IP 65, type Binder, D-Sub 9-pin or RJ45 (depends on communication interface)
Power supply	230 VAC, 50 Hz (others on request, e.g. 24 VDC, ...)
Working temperature	-30°C ÷ +50°C

Dimensional drawing



Number of characters *	10	13	16	18	21	24	26	29	32	34
Row display matrix	10 x 64 dots	10 x 80 dots	10 x 96 dots	10 x 112 dots	10 x 128 dots	10 x 144 dots	10 x 160 dots	10 x 176 dots	10 x 192 dots	10 x 208 dots
Length of the A side	580 mm	700 mm	820 mm	940 mm	1 060 mm	1 180 mm	1 300 mm	1 420 mm	1 540 mm	1 660 mm

* Number of characters depends on used font. More characters are possible using smaller font.

Options of communication interfaces (others on request)

	Type of connector (industrial grade, IP 65)
RS485, or RS232	Binder
Ethernet TCP/IP	RJ45
Profibus DP	D-Sub 9-pin
Service programming cable RS232	Binder – D-Sub 9-pin