

Uppgjord (även faktaansvarig om annan) - Prepared (also subject responsible if other)		Nr - No.		
Sara Hedfors		POL-08:707		
Dokansv/Godk - Doc respons/Approved	Kontr - Checked	Datum - Date	Rev	File
Thomas Hedfors	TH	2008-07-21	A	

USAGE

LD 20 is a full function LED sign, 16 characters long and with 20 cm character height.

Option: other number of characters possible.

The purpose of LD 20 is to show different kind of information. Messages can easily be written and updated with IR keyboard, PC or POLNET network.

CHARACTERS

Text area 2395x200 mm. 16 characters (5x7 pixel matrix) or 8 characters (10x7 pixel matrix). Viewing distance approx. 80 meters with 16 characters and 120 meters with 8 characters.

LIGHT-EMITTING DIODES

LD 20 have 6 high brightness AllnGaP LED in every pixel, a total number of 4032.

LIGHT CONTROL

LD 20 have automatic continuous adjustment of light intensity, enabling optimal visibility both day and night.

PROGRAMMING

Programming can be done with wireless IR keyboard (maximal distance 20 meters), wire-keyboard (maximal distance 100 meters), PC software and RS232 port (maximal distance 25 meters) or RS232/POLNET modem (maximal distance 2000 meters).

DATA INTERFACE

The standard interface is RS232/POLNET, 300-19200 baud. Up till 63 signs can be connected to the network and programmed individual or group wise.

Option: RJ45 connection for communication with TCP/IP (Ethernet 10Base-T or 100Base TX autosense)

Option: wireless communication with GMS/GPRS, minicall, DARC or radio modem

INPUTS/OUTPUTS

LD 20 is prepared for 8 inputs or outputs, for controlling messages or external light sources / other equipment.

COMMANDS

POLTECH signs have a advanced embedded software to draw maximal attention to the messages displayed:

- WIDE:** Show text with double width and double speed.
- FLASH:** Flash text, words or characters.
- UP:** Scroll message up vertically.
- DOWN:** Scroll message down vertically.
- JUMP:** Let message jump into the display.

- BLINK:** Open and close message vertically (as a blink with the eye)
- WIPE:** Open and close message from left to right.
- OPEN:** Open and close message from the center.
- PAUSE:** Pause message for 2 seconds.
- TEMP:** Insert temperature (anywhere) in message.
- TIME:** Insert time (anywhere) in message.
- CENTER:** Align message to the center.

STORAGE CAPACITY

POLTECH LD signs have a storage capacity of 7000 characters, divided into 99 textmessages. Saved messages can be displayed automatically through time scheduling, or with the aid of the keyboard. The storage memory is protected against power failure during at least the first 10 years.

TIME

LD 20 can show time, separately or inserted anywhere in a textmessage. The internal clock can also control which saved messages that are to be shown at different times during a day.

TEMPERATURE

LD 20 can show temperature, separately or inserted anywhere in a textmessage. Temperature sensor can be ordered as accessory.

SOUND SIGNAL

LD 20 can be connected to an external loudspeaker. "BIG BEN" is a optional one-, two- or three-peal signal. Loudspeaker can be ordered as accessory.

MOUNTING

LD 20 can be mounted easily with 2 M6 bolts on the top and bottom of the sign. C/C 1500 mm.

SPECIFICATION

Product: LD 20/16
 Dimensions:: 2520x280x65mm
 Transformer: internal IP54, 2 m cable
 Weight: 23 kg
 Output connections at the right side of sign.
 Power consumption: 220 Volt, maximum 120 VA.
 Housing: Extruded black aluminum.
 Delivery: Ready for use, transformer and wireless IR keyboard enclosed with the sign.

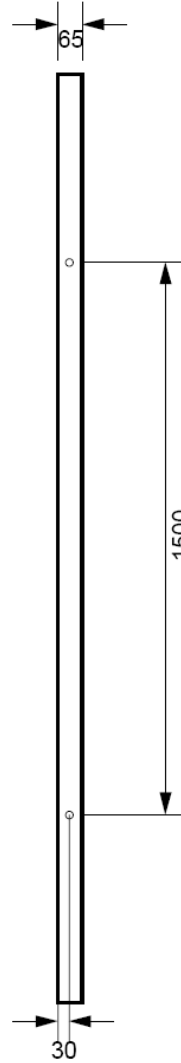
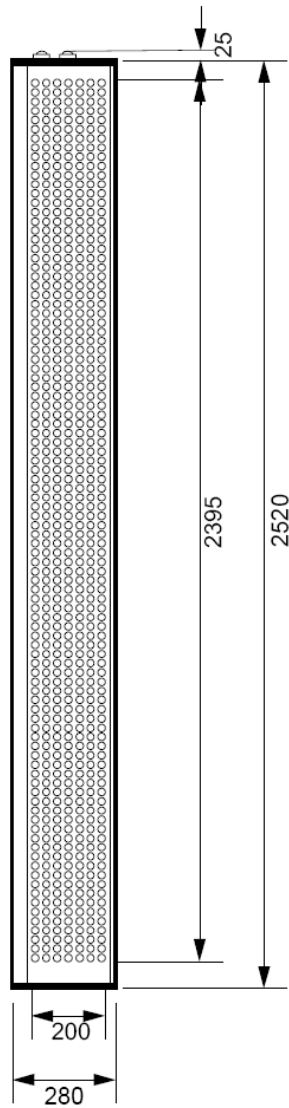
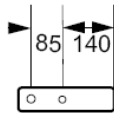
Instruction manual in English.

Main office
 Kvartergatan 1 B
 SE-749 40 ENKÖPING
 Phone +46 (0)171-41 45 90
 Fax +46 (0)171-41 45 95

Production
 Skäggebyvägen 33
 SE-612 44 FINSPÅNG

Postgiro
 48 54 14-7
 Bankgiro
 5086-1483

Org.no.
 556536-8817
 Webpage
 www.poltech.se



Fästpunkter, 2st M6 nitmuttrar i över och underkant

16 tecken
6 dioder / pixel