

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

USAGE

LD 14 is a full function LED sign, 16 characters long and with 14 cm character height.

Option: other number of characters possible.

The purpose of LD 14 is to show different kind of information. Messages can easily be written and updated with IR keyboard, PC or POLNET network.

CHARACTERS

Text area 1389x140 mm. 16 characters (5x7 pixel matrix) or 8 characters (10x7 pixel matrix). Viewing distance approx. 40 metres with 16 characters and 60 meters with 8 characters.

LIGHT-EMITTING DIODES

LD 14 have 2 high brightness AlInGaP LED in every pixel, a total number of 1344.

LIGHT CONTROL

LD 14 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 05 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 05 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 05 can show temperature, separately or inserted anywhere in a textmessage. Temperature sensor can be ordered as accessory.

SOUND SIGNAL

LD 05 can be connected to an external loudspeaker. "BIG BEN" is a optional one-, two- or three-peal signal. Loudspeaker can be ordered as asseccory.

MOUNTING

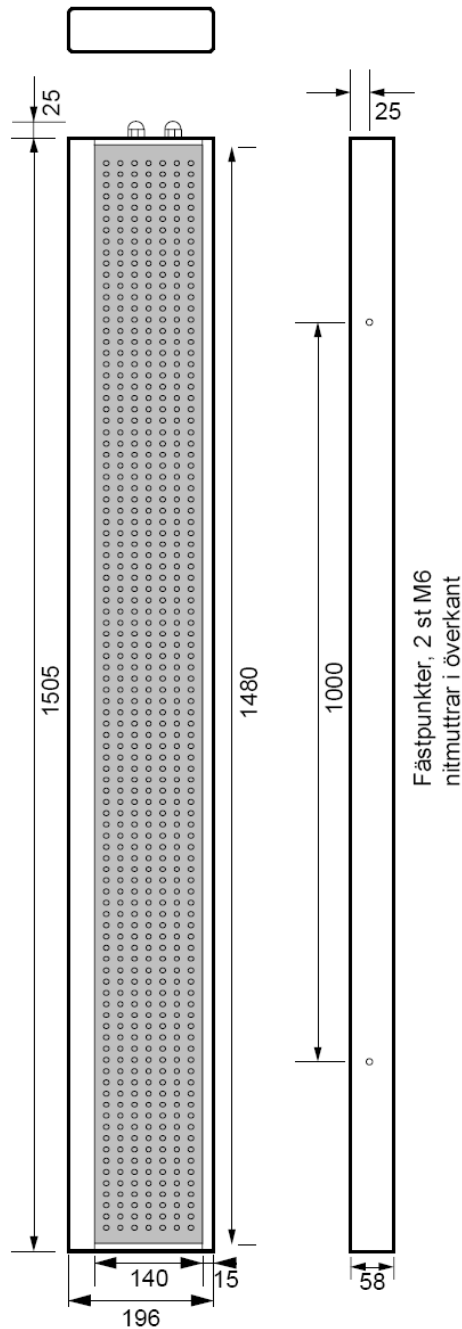
LD 14 can be mounted easily with 2 M6 bolts on the top of the sign. C/C 1000 mm.

SPECIFICATION

Product: LD 14/16
Dimensions: for indoor usage: 1505x196x58 mm
for outdoor usage: 1655x196x58 mm
Transformer: for indoor usage: external 11,5 V, 2 m cable
for outdoor usage: internal IP54, 2 m cable
Weight: 8.0 kg
Output connections at the right side of sign.
Power consumption: 220 Volt, maximum 50 VA.
Housing: Extruded black aluminum.
Delivery: Ready for use, transformer and wireless IR keyboard enclosed with the sign.

Instruction manual in English.

Main office	Production	Postgiro	Org.no.
Kvartsgatan 1 B	Skäggebyvägen 33	48 54 14-7	556536-8817
SE-749 40 ENKÖPING	SE-612 44 FINSPÅNG		
Phone +46 (0)171-41 45 90		Bankgiro	Webpage
Fax +46 (0)171-41 45 95		5086-1483	www.poltech.se



LD 14 / 16

16 tecken alfanumerisk, teckenhöjd 135 mm, 2 dioder / pixel.
 Automatisk steglös ljusreglering.
 Anslutning för POLNET nätverk.
 Kapsling i strängpressad AL, anodiserad svart.

Kapslingsklass IP44, (kontaktanslutning)
 Option: Kapslingsklass IP 54 (skruvanslutning)

Matning 11,5 VAC via extern plugin mellantransformator
 Effekt Max 50 W

Information System AB
 Kvartersgatan 1B
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 www.poltech.se

LD 14 / 16

Datum	040311	Skala	1:10
Rit.nr	040311-7	Ersätter	980213-5
Ritad	<i>Tho</i>	Konstr.	<i>Tho</i>
		Godk.	