

user's guide

Quick Data

A family of text readouts for harsh environments, designed for industrial use showing messages and simple graphics.
(For 8 character version, see ND7061)

Size: Eg 1040x400x100 mm for 96 x 32 pixels
Weight: 12kg net (Shipping: 15kg)
Materials: Laquered Aluminium
Mounting: Wall bracket
Technology: LED RGB 320mm height
Power: 100-240Vac/250W
Temp range: -30°C to +60°C

Control cards include Serial, Ethernet, Radios, Analog Interface, Temperature, GPS/GNSS etc

Table of Contents

Overview.....	2
Options and Variants.....	2
Mechanical Drawing.....	2
Communication.....	3
Installation.....	3
Maintenance.....	4



WARNING

Electronic cards are sensitive to electrostatic discharge. Use proper grounding when handling!

Norsk Display AS
Drammen, Norway
Tel: +47 32887000
sales@norskdisplay.com
www.norskdisplay.com



OVERVIEW

This well built family of displays are made to present ASCII characters in the ISO/IEC 8859-1 table plus simple graphics. RGB LEDs are capable of displaying vibrant colors. With the standard Ethernet interface and web server controller installed, it will easily interface with SOAP/JSON protocols carrying HTTP requests.

Alternative interfaces, protocols and power options are available.

The display will adapt to ambient lighting to increase legibility and life expectancy. Power-reducing functions may be set to further increase useable life.

OPTIONS AND VARIANTS

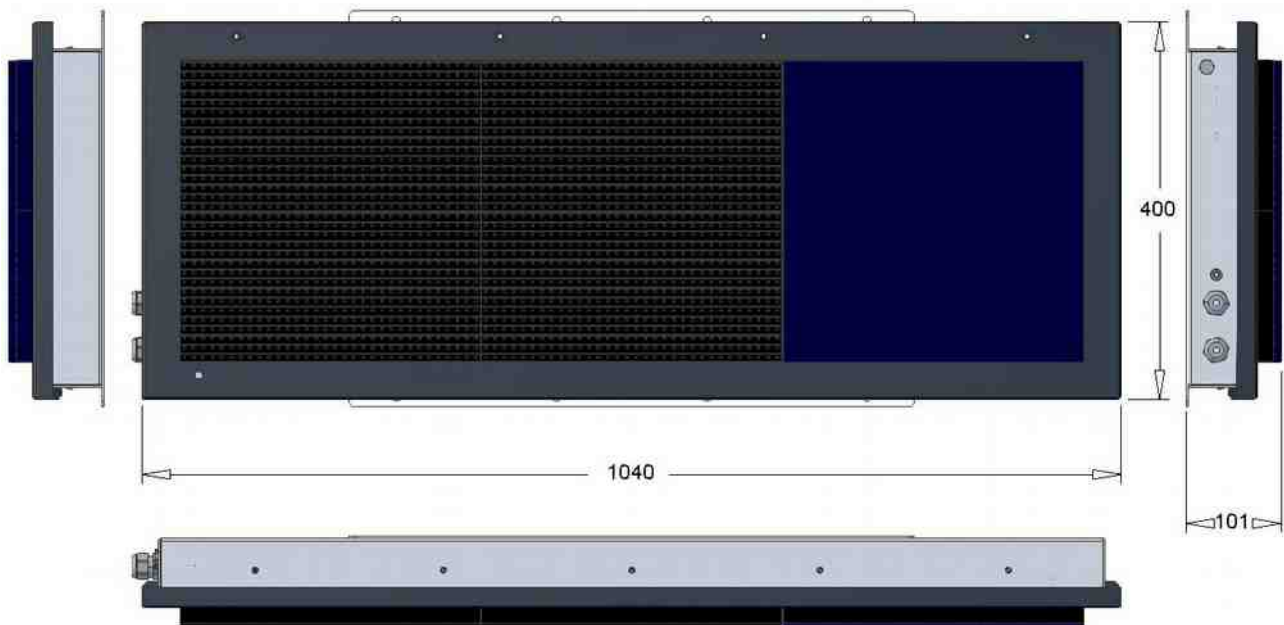
Common versions are:

ND7070	96 x 32 pixels : 1 line of ca 5 characters / 2 lines of 8 characters
ND7071	128 x 32 pixels : 1 line of ca 7 characters / 2 lines of 12 characters
ND7072	224 x 32 pixels : 1 line of ca 12 characters / 2 lines of 20 characters

Custom interfaces or functions are available on request. Contact factory for more information.

MECHANICAL DRAWING


Measures in metric mm



COMMUNICATION

Standard communication interface is Ethernet with SOAP/JSON containing HTTP/HTTPS over TCP. This allows the widespread use of well tested APIs in PLS / PC or instruments. For more information or examples, contact factory.

INSTALLATION

- Tools needed: Torx TX30 and TX20 
- The front has a 4 to 6 M6 screws and is hinged at the lower end.
- M6 screws should be tightened in repeated sequence and final torque should be 5-8Nm

Items NOT INCLUDED in package:

ø8mm Screws/bolts to fix the bracket to a wall
Pole mounting : saddle clamps (see picture)



Normal display tilting for improved view.
This will generally reduce reflection from a bright sky.



ELECTRICAL:

Cable glands are M20 for cable outer diameter = 6 to 12mm
A good selection is a CAT6/CAT5 plus a field terminated RJ plug.

MAINTENANCE

The display is made for many years of service. Correct installation and maintenance will ensure problem free operation. Note that mechanical stress and use of chemical substances could severely affect life expectancy. Exposure to direct UV light will wear out laquer and plastic over time.

Keeping the front surface clean will improve legibility. Use a mild detergent and lots of water on a wet cloth to avoid scratching the surface.

NOTE:

Chemicals for washdown or disinfection of nutrition lines are known to disintegrate gaskets. Hot salt water is also considered aggressive.

Contact factory for updates and requests!

OPTIONS		GIVE US FEEDBACK	LIFETIME SUPPORT
Interfaces: Ethernet WiFi Sub-1GHz RF Fieldbus	Power: 100-240VAC DC/DC	We appreciate any feedback – good or bad – as it will help us make better products. Suggestions or critical remarks are best sent to the support email.	* Help during installations * Free adaption for interfacing your equipment support email: sales@norskdisplay.com Tel: +47 3288 7000
Mechanical options:			