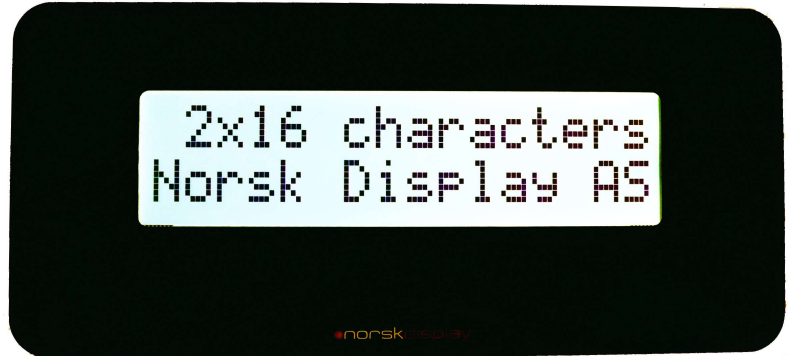


NAME: ND7049 A16/2-8-BL-PANEL
 VERSION: FW003B.004

OVERVIEW

ND7049 displays text on a FSTN black-on-white LCD. Optimised for use in harsh environments indoors as well as outdoors. High legibility and reliability in a compact panel mounted package.



IN USE

Communication interface:

- Communication over RS-232 (full duplex) or RS-485 (half duplex)
- Parameters to set: Baudrate, Parity, Address (programming only through RS-232)

Connection via Wago pcb terminals (0,2~0,75mm² or max 0,5mm² with crimp end):

- Power 8-30Vdc
- A and B plus GND (=0V) for RS-485
- RxD, TxD and Prog/DTR plus GND (=0V) for RS-232

Commonly used commands:

<esc>[H	Cursor home (0,0)
<esc>[%dd%ddH	Cursor absolute (line,pos)
<esc>*1m	Set display visible
<esc>*1l	Set display invisible
<esc>*2m	Set display backlight on
<esc>*2l	Set display backlight off

Text is written at cursor position and cursor is auto-incremented.

UTF-8 characters implemented are: äÅöÖüÛæÆøØåÅß

Allows BS (backspace), CR (start of line) and LF(next line, same position).

Contrast setting by a simple trimmer potentiometer on the back.

MECHANICAL

- 2mm 316L stainless steel frame
- 2mm scratch-proof front window, optically enhanced for high ambient lighting conditions.

A cut out drawing is available (ND7049_panel cutout.pdf)

TECHNICAL DATA

	<i>Wind Sensor hardware</i>
Controller PCB	ND5143v0 16k flash
Power supply	8-30VDC regulated
Current consumption	Max: 70mA
Connection	On-board 8 terminal positions for single conductors
Front panel size	W148 x H68 x D24mm

OPTIONS

- Enclosure for IP65
- Addressability
- Synchronous interface
- Custom firmware for special applications