

## Remote Display RDISP29 / 240x64

### ■ Brief description

The terminal is the ideal solution in:

- systems
- machines
- vehicles
- buildings

It meets all requirements as an universal unit for:

- operation
- monitoring
- inputs
- recording operational and measured data

With its compact design and customisable keyboard, it can be used in a wide variety of applications.

- 240 x 64 pixel display, backlit
- Visualisation application on the cell controller
- Numerical, function and softkey keyboard
- 9 dual-colour, 5 single-colour LEDs
- CANopen slave interface
- Optional: real-time clock, customisable layout

Bi-directional communication between controls and terminal is via the CANbus with CANopen communications services SDO and PDO.

Keystrokes are sent direct to the CANopen master (control unit) via PDOs. As with the (two-colour) LEDs integrated in the keys, characters to be sent are set via SDO/PDO communication.

### ■ Display

The display has a resolution of 240x64 pixels, with a minimum displayable character size of 8x8 and 16x16 pixels. Characters can also be shown reversed out and underlined. The display can also be switched to graphics module, with pixels capable of being set individually. Both the graphics and text cursor are controlled via the CANopen master control. The display is backlit, with variable contrast via a set-up menu.

### ■ Keys

With its 29 membrane keys, the terminal supports user dialogs for even the most demanding applications. The five function keys directly below the display can be used as softkeys for rapid menu navigation. Numerical and special characters, and a second function key block, complete this outstanding terminal's. Some of these keys are dual function for multiple use, using the SHIFT key. The SHIFT key has an integrated LED, showing its current status at any time. Two-colour LEDs in the keys of the second function key block show the application status conditions assigned to function keys.

### ■ Customisation

Integrating the RDISP29/240x64 in the target application is made easier by the terminal's modular design. It's not just the printing that can be customised to suit your requirements:

- logo
- colours
- unit designation
- Key characters and symbols



You can also customise the keyboard layout, that is, the arrangement of the keys and LEDs:

- max. 32 keys
- max. 24 LEDs

You can also integrate:

- input wheel
- infra-red remote control interface

For quicker, easier, more user-friendly data entry as an alternative or in additions to existing keypad layouts.

### ■ System integration

A library integrates the display directly with the CANtrol control application, greatly simplifying implementation and maintenance of the overall system. Control and visualisation applications are both on the same controller.

## At a glance – a brief overview

<b>Remote display</b>	<b>RDISP29 / 240x64</b>	<b>RDISP29 / 240x64 RTC</b>
Product code	2207000	2207001 (on request)
Real-time clock	no	yes
Weight	approx. 850 g	
Mounting	front installation, slot-in frame	
Operating temperature range	5°C to 50°C (no moisture condensation)	
<b>Dimensions</b>		
Dimensions WxHxD [mm]	204 x 175 x 49 (excluding plug)	
Installation slot size required	see dimensional sketch	
EMC, safety class, insulation test, degree of protection		
Interference emission	EN 50081-2, industrial range	
Interference-proof	EN 50082-2, industrial range	
Safety class	EN 61131-2	
Insulation resistance	EN 61131-2; DC 500 V test voltage	
Degree of protection	IP65, front-side	
<b>Supply voltage, power consumption</b>		
Supply voltage	U <sub>e</sub> =DC +24 V	
Power consumption	max. 400 mA depending on display brightness at U <sub>e</sub> =DC +24 V	
Power supply reverse voltage protection	yes	
<b>Type of interfaces</b>		
CANbus	CANopen slave for display control	
RS232	update system software	
<b>Display</b>		
Display	LCD, 240x64 pixels, backlit	
Character size	8x8, 16x16 pixels	
Character set	standard ASCII, other character sets loadable	
LEDs	5 single-colour, 9 dual-colour	
<b>Controls</b>		
Number of keys	29	
Keypads	numerical and cursor pad, function keys, softkey pad	