

ALPHANUMERICAL DISPLAY PANEL DA2 TYPE



Reference conditions and rated operating conditions:

- working temperature	0...23...55°C
- storage temperature	- 10... 80°C
- relative humidity	25... 95%
- voltage supply	195... 253 V a.c.
- frequency	45...50...60 Hz
- external magnetic field	0...40...400 A/m
- working position	any
- preheating time	1 min.

Standards fulfilled by DA2 display-systems:

Electromagnetic compatibility:

- immunity	EN 61000-6-2
- emission	EN 61000-6-4
- resistance against supply decays	EN 61000-6-2

Safety requirements:

acc. to EN 61000-1 standard	
- insulation ensured by the housing	basic
- insulation between circuits	basic
- installation category	III
- pollution level	2
- maximal phase-to-earth working voltage:	
- for supply	300 V
- for interface circuit	50 V

APPLICATIONS

Alphanumeric displays are destined to display messages inside buildings and can be applied to display information in industrial plants about the production state, technological process parameters, quantity of produced goods, etc.

Information of such a type improves the work of technological, logistics, sales and quality inspection services. Displays have readout fields in red, green and yellow colours.

DA displays co-operate with external measuring devices equipped with the RS-485 interface and MODBUS RTU protocol.

The configuration of transmission and range parameters are agreed with customers. The display with DA2 version has the possibility to change the displayed message through the infrared port (pilot of remote control). Messages are stored in the non-volatile EEPROM memory.

TECHNICAL DATA

Read-out field:	Graphical, 16 × 120 points
Communication:	
- serial interface (DA2 → PC)	RS-485
- serial interface (DA2 → external device)	RS-485
- transmission protocol	MODBUS RTU
- change of programmed pages (remote control)	RC5 (infrared)
Reaction against decays and supply recoveries	preservation of configuration data
Protection grade ensured by the housing	IP 54
Dimensions of the set	960 x 166 x 236 mm

ELECTRICAL DIAGRAMS

Electrical connections must be carried out acc. to the fig. below.

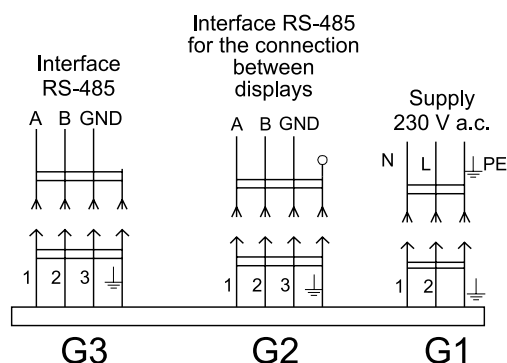


Fig. 1 Electrical connections

Wires:

- maximal wire sections: up to 1,5 mm²,
- maximal cable diameter: up to 7 mm,

The SM4 module of logical outputs can co-operate with the DA2 display. Module outputs are related to displayed occasionally pages

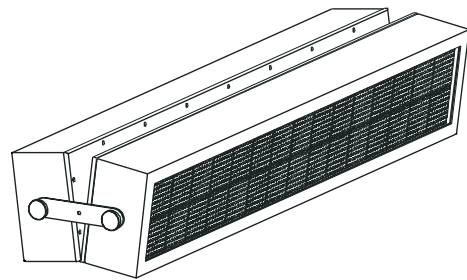
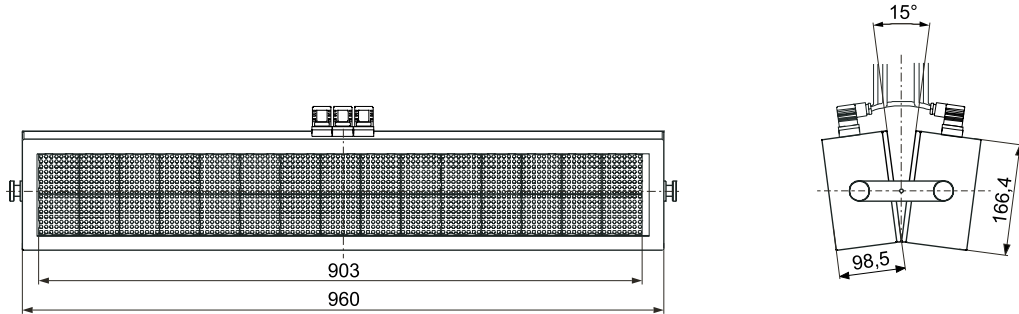
OVERALL AND MOUNTING DIMENSIONS

The housing of the DA2 alphanumerical displays is made of stainless steel. The safety degree ensured by the housing is defined as IP54.

Dimensions of individual housing are: 960 x 166.5 x 98.5 mm

The display is equipped with two assembly holders enabling the suspension.

Displays connected in the way shown on the fig. below, enable the double-sided information readout.



VERSION CODES AND ORDERING

ALPHANUMERICAL DISPLAY DA2	X	X	X
Colour			
red	R		
green	G		
yellow.....	Y		
Control:			
without remote control		0	
with remote control		1	
Version			
catalog version			0
custom-made version			1
acc. to customer's agreement*			2

* The order code will be established by the manufacturer

EXAMPLE OF ORDER:

The code: **DA2 - R-1-0** means:

- DA2** - alphanumerical display of DA2 type
- R** - red colour display
- 1** - destined to remote control
- 0** - in standard, catalog version

Note: It is possible to order a display with a built-in light sensor.