



# varioDISP

## Display module for VarioPLC

Compact, flat design

High-contrast displays

Touchscreen

Remote operation

Cost-effective wiring

- ❖ Compact, robust hardware
- ❖ Flat design
- ❖ Bright, high-contrast displays
- ❖ Resistive touch operation
- ❖ Controlled directly by the VarioPLC
- ❖ Cable up to 10 m for remote operation
- ❖ Display and touch signals via a low-cost standard Ethernet patch cable

### APPLICATIONS

- Plastics processing
- Machine building
- Factory automation
- Process automation
- Plant engineering
- Building automation

### DESCRIPTION

#### GENERAL

In combination with the varioDISP display modules, the VarioPLC – as central element in the automation system – not only handles all relevant sequencing tasks, but simultaneously covers the entire range of operating and visualization functions.

If the VarioDISP display is used, the integration of control and operating software in a joint programming environment results in significant savings in cost and time.

Thanks to the joint use of data in the sequencing program and for visualization, typical error sources are eliminated.

#### Construction

The varioDISP is a compact module for installation in mounting fronts.

Suitable for direct control, the display units have screen sizes from 5,7 up to 12 inches. Moreover, the resistive touch feature permits direct operation via the screen.

The interface has been specially matched to the VarioPLC module. By means of the interface and a special procedure, the touch and graphic signals are transmitted through a common cable. Another feature is that low-cost standard Ethernet cables can be used.

### TECHNICAL DATA

#### DISPLAY

##### varioDISP6

5,7" colour TFT display  
Resolution: QVGA 320 x 240 pixels  
Brightness: typically 350 cd/m<sup>2</sup>, adjustable  
Service life: 50.000 hours at 25 °C

##### varioDISP12

12,1" colour TFT display  
Resolution: SVGA 800 x 600 pixels  
Brightness: typically 370 cd/m<sup>2</sup>, adjustable  
Service life: 50.000 hours at 25 °C

#### Touch operation

4-wire resistive touch bonded to front, and sealed  
Service life: typically 10 million touches  
Resistant against most conventional cleaning agents and chemicals

#### INTERFACES

##### Display interface

galvanically isolated, for graphic and touch signals  
RJ45 socket  
Cable length max 10 m with CAT6 Ethernet cable

#### POWER SUPPLY

Supply voltage:  
24 VDC (-25...+25% / SELV), stabilized and filtered. Residual ripple: ≤ 5%  
Current demand:  
varioDISP6: approx. 1 A  
varioDISP12: approx. 1,5 A



## ENVIRONMENTAL CONDITIONS

Permissible temperatures  
 For specified accuracy: 0...60 °C  
 Storage & transport: -20...70 °C

Relative humidity: max. 85 % at 25 °C  
 no condensation

## INFLUENCING FACTORS

### Vibration test

Sinusoidal oscillations in accordance with  
 IEC 60068-2-6 and EN 60068-2-6  
 Test Fc: 10...150 Hz, 0,5 g

### Shock test

to IEC 60068-2-27 and EN 60068-2-27  
 Test Ea: 3 g for 10 ms, half sinewave

## ELECTROMAGNETIC COMPATIBILITY

### Immunity

In accordance with EN 61 000-6-2,  
 industrial environment

### Emission

In accordance with EN 61 000-6-4,  
 industrial environment

## GENERAL

### Weight

varioDISP6: approx. 0,5 kg  
 varioDISP12: approx. 1,0 kg

### Protection class

Front: IP 65  
 Rear: IP 20

### CE marking

Fulfills the EU Directives for  
 electromagnetic compatibility and low  
 voltage.

### UL / cUL

Applied for

### Standard accessories

Connecting terminals

## ORDERING DATA

Description	Order no.	Version
VarioDISP06	KSVC-221-10001	5,7-inch TFT display
VarioDISP12	KSVC-223-10001	12,1-inch TFT display

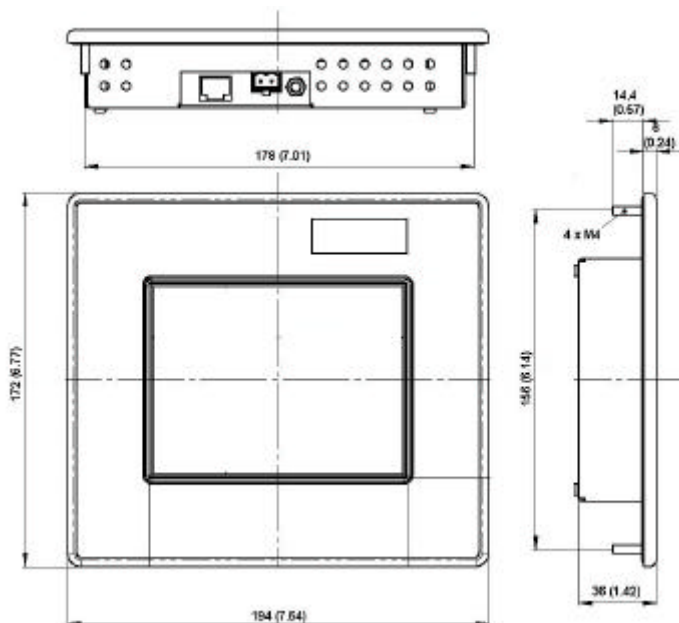


Fig. 1: Overall dimensions of varioDISP6

all dimensions  
 in mm (inches)

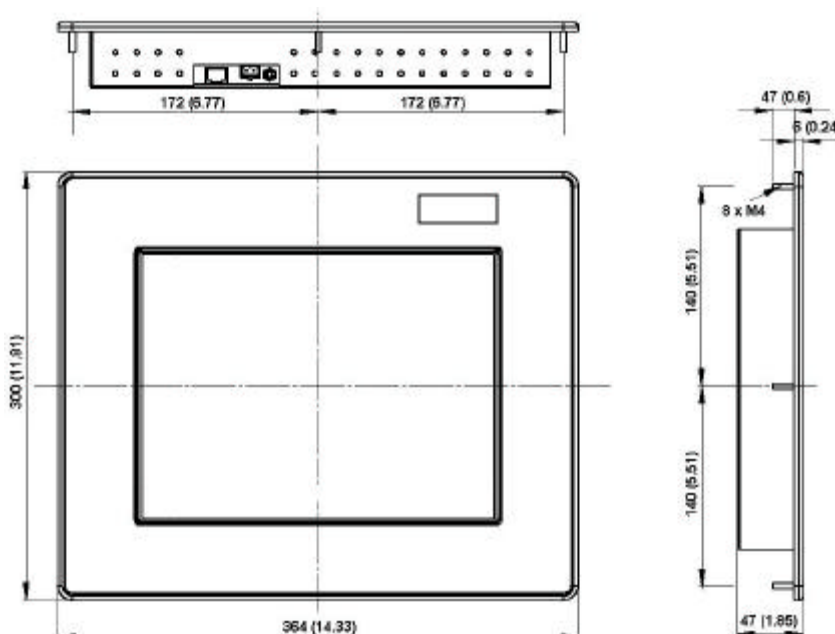


Fig. 2: Overall dimensions of varioDISP12

all dimensions  
 in mm (inches)



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