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 be 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, bur 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^2, 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^2, 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

PMA Prozeß- und Maschinen Automation GmbH

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
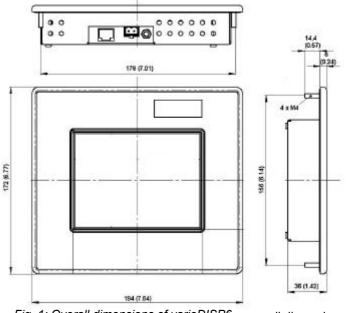
Standard accessories
Connecting terminals

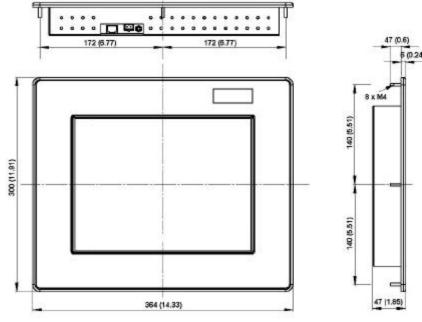Fig. 1: Overall dimensions of varioDISP6　　all dimensions in mm (inches)

Fig. 2: Overall dimensions of varioDISP12　　all dimensions in mm (inches)

ORDERING DATA

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