

# Product datasheet

Specifications



## Keypad-touchscreen panel color - 640 x 480 pixels VGA -10.4" - TFT LCD

HMIGK5310

### Main

Range of product	Harmony GK
Product or component type	Touchscreen panel with keypad
Display colour	65536 colours
Display size	10.4 inch
Supply	External source
Operating system	Harmony
Processor name	CPU RISC

### Complementary

Display type	Backlit colour TFT LCD
Display resolution	640 x 480 pixels VGA
Touch sensitive zone	1024 x 1024
Touch panel	Analogue
Backlight lifespan	50000 hours
Brightness	16 levels via touch panel
Character font	Japanese (ANK, Kanji) Korean ASCII (European characters) Taiwanese (traditional Chinese) Chinese (simplified Chinese)
[Us] rated supply voltage	24 V DC
Supply voltage limits	19.2...28.8 V
Inrush current	30 A
Power consumption in W	11.4 W
Number of dynamic function keys symb	18 with LED
Number of static function keys	12 with LED and labels
Number of SERVICE keys	8
Number of alphanumeric keys	12
Local signalling	1 LED (green or orange) for normal operation or backlighting faulty
Number of pages	Limited by internal memory capacity
Software type	Configuration software

<b>Software designation</b>	Vijeo Designer
<b>Processor frequency</b>	333 MHz
<b>Memory description</b>	512 kB SRAM back up of data with lithium battery back-up 128 MB flash EPROM application memory
<b>Downloadable protocols</b>	Telemecanique Modicon FIPWAY Telemecanique Modicon Modbus Plus Telemecanique Modicon Modbus TCP Telemecanique Modicon Modbus Mitsubishi Melsec third party protocols Omron Sysmac third party protocols Rockwell Automation Allen-Bradley third party protocols Siemens Simatic third party protocols Telemecanique Modicon Uni-TE
<b>Realtime clock</b>	Built-in
<b>Memory type</b>	Up to 32 GB SD card RAM Up to 32 GB SDHC card RAM
<b>Integrated connection type</b>	<= 187.5 kbit/s RJ45, RS485 COM2 serial link for Siemens MPI (187.5 kbits/s) USB 2.0 type A master port for Modicon M340 terminal port communication <= 115.2 kbits/s male SUB-D 9, RS232C COM1 serial link removable screw terminal block power supply RJ45 Ethernet TCP/IP USB 2.0 type mini B
<b>Port Ethernet</b>	10BASE-T/100BASE-TX
<b>Mounting mode</b>	Flush mounting
<b>Fixing mode</b>	By 12 spring clips
<b>Front material</b>	Aluminium alloy
<b>Enclosure material</b>	PPT
<b>Marking</b>	CE
<b>Width</b>	296 mm
<b>Height</b>	332 mm
<b>Depth</b>	76 mm
<b>Cut-out dimensions</b>	285 (+/- 0.4) x 309 (+/- 0.4) mm
<b>Product weight</b>	3.3 kg
<b>Environment</b>	
<b>Immunity to microbreaks</b>	10 ms
<b>Standards</b>	EN 61000-6-2 EN 61000-6-4 CSA C22.2 No 213 UL 61010-2-201 ANSI/ISA 12.12.01 EN 61131-2
<b>Product certifications</b>	cULus EAC UL Class 1 Division 2 T5 KC UL Class 1 Division 2 T4A RCM CSA Class 1 Division 2 T4A CSA Class 1 Division 2 T5
<b>Ambient air temperature for operation</b>	0...55 °C
<b>Ambient air temperature for storage</b>	-20...60 °C
<b>Relative humidity</b>	10...90 % without condensation
<b>Operating altitude</b>	< 2000 m
<b>IP degree of protection</b>	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529
<b>NEMA degree of protection</b>	NEMA 4X front panel (indoor use)

<b>Shock resistance</b>	15 gn for 11 ms conforming to IEC 60068-2-27
<b>Vibration resistance</b>	1 gn conforming to IEC 60068-2-6 (f = 9...150 Hz) 3.5 mm conforming to IEC 60068-2-6 (f = 5...9 Hz)
<b>Electromagnetic compatibility</b>	Resistance to electrostatic discharge - test level: 4 kV level 3 conforming to IEC 61000-4-2 Resistance to radiated electromagnetic fields - test level: 10 V/m conforming to IEC 61000-4-3 Resistance to fast transient - test level: 2 kV level 3 conforming to IEC 61000-4-4

## Packing Units

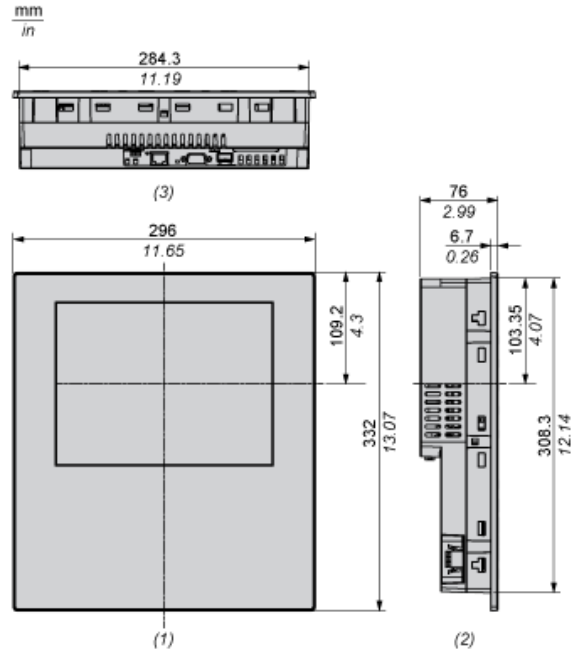
<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	22.4 cm
<b>Package 1 Width</b>	37.2 cm
<b>Package 1 Length</b>	45.5 cm
<b>Package 1 Weight</b>	5.852 kg
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	1
<b>Package 2 Height</b>	30 cm
<b>Package 2 Width</b>	40 cm
<b>Package 2 Length</b>	60 cm
<b>Package 2 Weight</b>	4.855 kg
<b>Unit Type of Package 3</b>	BB1
<b>Number of Units in Package 3</b>	1
<b>Package 3 Height</b>	7.5 cm
<b>Package 3 Width</b>	29 cm
<b>Package 3 Length</b>	33 cm
<b>Package 3 Weight</b>	4.819 kg

## Offer Sustainability

<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>REACH free of SVHC</b>	Yes
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

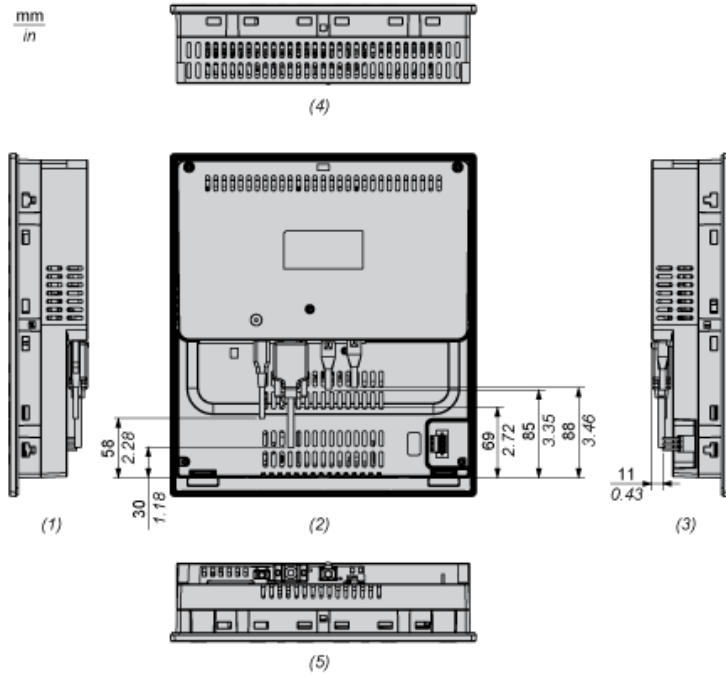
**Dimensions**

**External Dimensions**



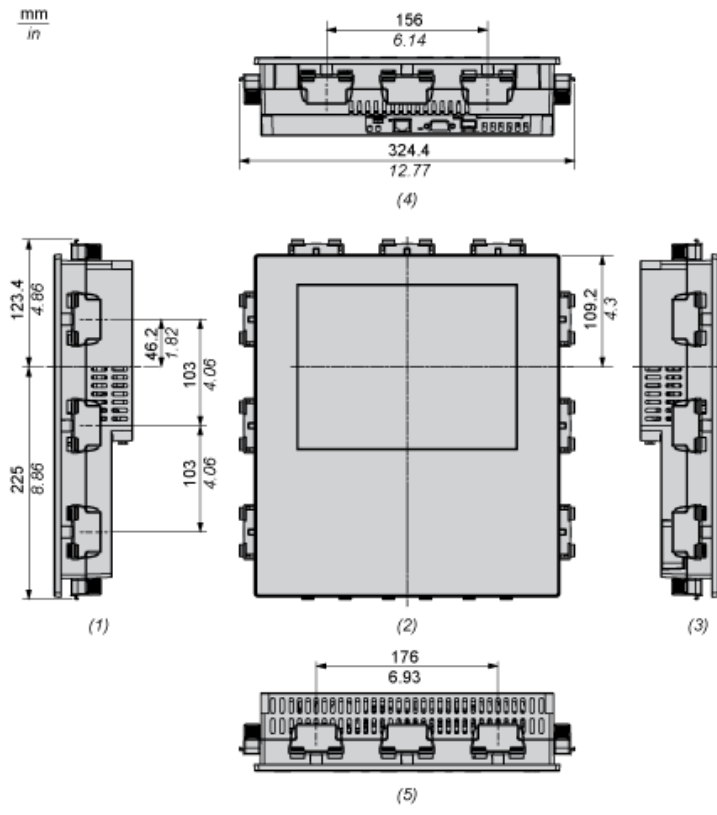
- (1) Front
- (2) Left
- (3) Bottom

**Dimensions with Cables**



- (1) Right
- (2) Front
- (3) Left
- (4) Bottom
- (5) Top

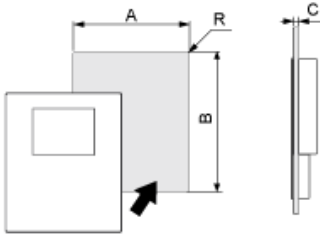
## Dimensions with Spring Clips



- (1) Right
- (2) Front
- (3) Left
- (4) Bottom
- (5) Top

**Mounting**

**Panel Cut Dimensions**



**Dimensions in mm**

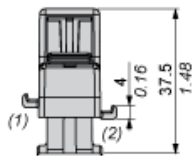
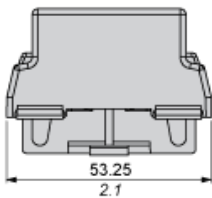
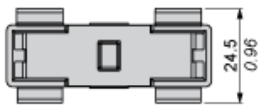
A	B	C
285 <sup>±0.4</sup>	309 <sup>±0.4</sup>	Spring clips (Position 1): 1.5...4 Spring clips (Position 2): 4...6

**Dimensions in in.**

A	B	C
11.22 <sup>±0.01</sup>	12.17 <sup>±0.01</sup>	Spring clips (Position 1): 0.06...0.16 Spring clips (Position 2): 0.16...0.24

**Spring Clip Dimensions**

mm  
in

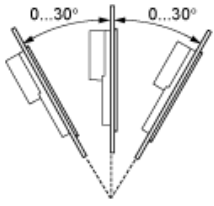


- (1) Position 1
- (2) Position 2

**Installation Requirements**

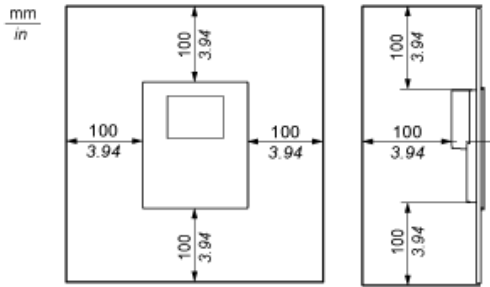
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**Mounting Angle**



When installing this product in a slanted position with an incline more than 30°, the ambient temperature must not exceed 40 °C (104 °F). You may need to use forced air cooling (fan, A/C) to ensure the ambient operating temperature is 40 °C or less (104 °F or less).

**Clearance**



**Recommended replacement(s)**