Product data sheet

Specifications

Keypad-touchscreen panel color - 320 x 240 pixels QVGA- 5.7" - TFT LCD

HMIGK2310

Main

Range Of Product	Harmony GK
Product Or Component Type	Touchscreen panel with keypad
Display Colour	65536 colours
Display Size	5.7 inch
Supply	External source
Operating System	Harmony
Processor Name	CPU RISC

Complementary

Display Type	Backlit colour TFT LCD
Display Resolution	320 x 240 pixels QVGA
Touch Sensitive Zone	1024 x 1024
Touch Panel	Analogue
Backlight Lifespan	50000 hours
Brightness	16 levels via touch panel
Character Font	Korean Taiwanese (traditional Chinese) ASCII (European characters) Japanese (ANK, Kanji) 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	7.7 W
Number Of Dynamic Function Keys Symb	14 with LED
Number Of Static Function Keys	10 with LED and labels
Number Of Service Keys	8
Number Of Alphanumeric Keys	12
Local Signalling	Normal operation or backlighting faulty 1 LED green or orange)
Number Of Pages	Limited by internal memory capacity
Software Type	Configuration software
Software Designation	Vijeo Designer
Processor Frequency	333 MHz

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Memory Description	512 KB SRAM back up of data lithium battery 128 MB flash EPROM application memory
Downloadable Protocols	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
Realtime Clock	Built-in
Memory Type	Up to 32 GB SD card RAM Up to 32 GB SDHC card RAM
Integrated Connection Type	<= 187.5 kbit/s RJ45, RS485 COM2 serial link Siemens MPI (187.5 kbits/s) USB 2.0 type A master 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
Port Ethernet	10BASE-T/100BASE-TX
Mounting Mode	Flush mounting
Fixing Mode	By 10 spring clips
Front Material	Aluminium alloy
Enclosure Material	PPT
Marking	CE
Width	8.67 in (220.3 mm)
Height	10.43 in (265 mm)
Depth	2.76 in (70 mm)
Cut-Out Dimensions	209 (+/- 0.4) x 243 (+/- 0.4) mm
Net Weight	3.97 lb(US) (1.8 kg)

Environment

Immunity To Microbreaks	5 ms
Standards	UL 61010-2-201 IEC 61000-6-2 IEC 61131-2 ANSI/ISA 12.12.01 CSA C22.2 No 213 IEC 61000-6-4 UBC 1997 (Seismic Zone 4)
Product Certifications	UL Class 1 Division 2 T5 KC CSA Class 1 Division 2 T5 CSA Class 1 Division 2 T4A EAC RCM cULus UL Class 1 Division 2 T4A UKCA
Ambient Air Temperature For Operation	32…131 °F (0…55 °C)
Ambient Air Temperature For Storage	-4…140 °F (-20…60 °C)
Relative Humidity	10…90 % without condensation
Operating Altitude	< 2000 m

Ip Degree Of Protection	IP20 IEC 60529 rear panel) IP65 IEC 60529 front panel)
Nema Degree Of Protection	NEMA 4X front panel (indoor use)
Shock Resistance	15 gn 11 ms IEC 60068-2-27
Vibration Resistance	1 gn 9…150 Hz)IEC 60068-2-6 3.5 mm 5…9 Hz)IEC 60068-2-6
Electromagnetic Compatibility	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

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.37 in (23.8 cm)
Package 1 Width	15.79 in (40.1 cm)
Package 1 Length	17.20 in (43.7 cm)
Package 1 Weight	145.06 oz (4112.5 g)

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information	Yes

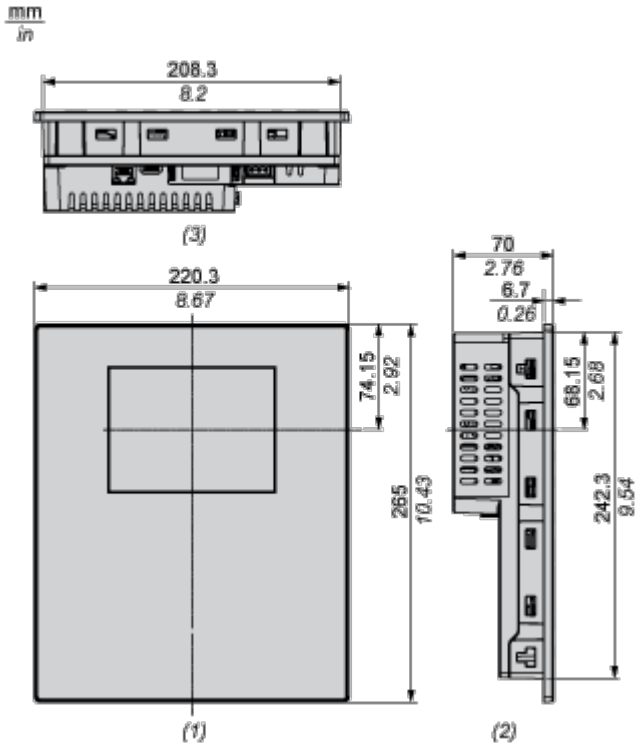
Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

Dimensions Drawings

Dimensions

External Dimensions

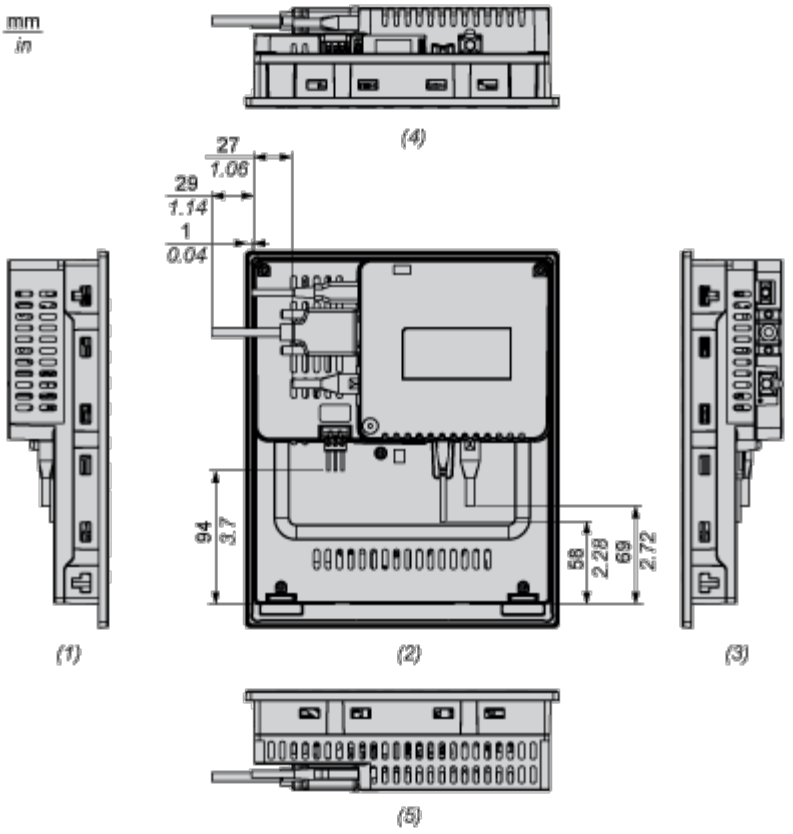


(1) Front

(2) Left

(3) Bottom

Dimensions with Cables



(1) Right

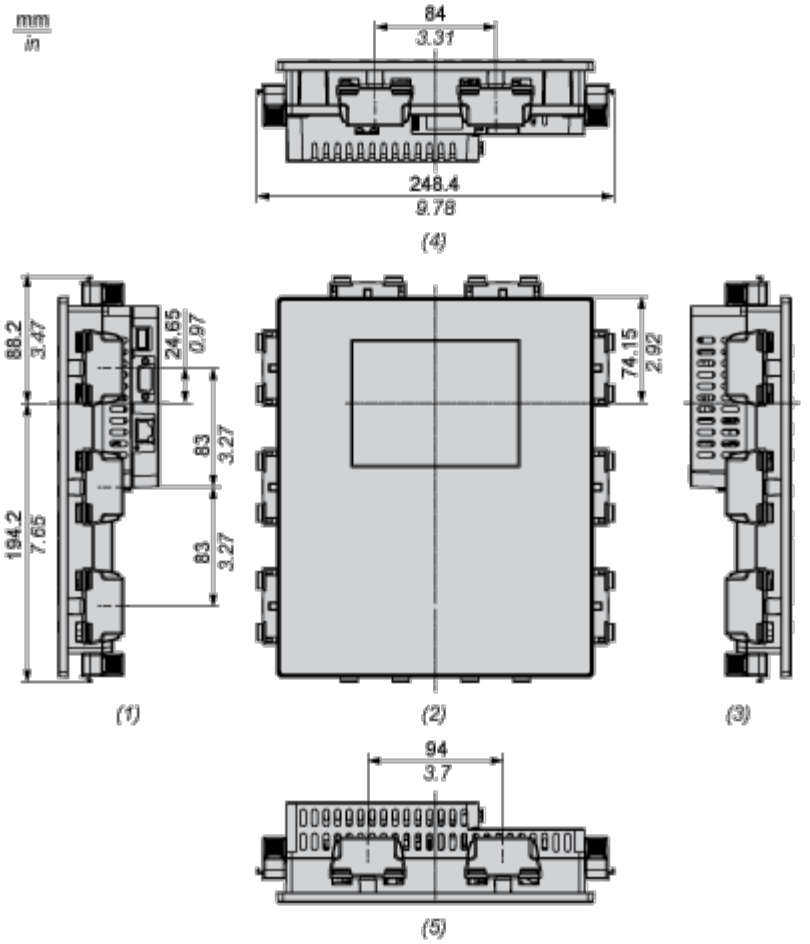
(2) Front

(3) Left

(4) Bottom

(5) Top

Dimensions with Spring Clips



(1) Right

(2) Front

(3) Left

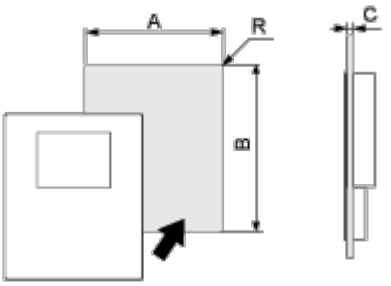
(4) Bottom

(5) Top

Mounting and Clearance

Mounting

Panel Cut Dimensions



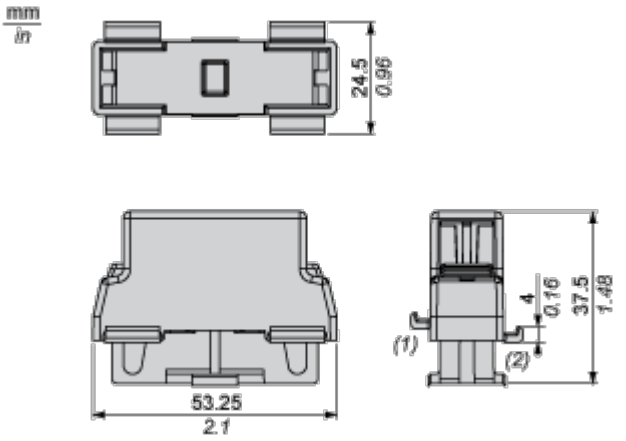
Dimensions in mm

A	B	C
$209^{\pm 0.4}$	$243^{\pm 0.4}$	Spring clips (Position 1): 1.5...4 Spring clips (Position 2): 4...6

Dimensions in in.

A	B	C
$8.23^{\pm 0.01}$	$9.57^{\pm 0.01}$	Spring clips (Position 1): 0.06...0.16 Spring clips (Position 2): 0.16...0.24

Spring Clip Dimensions

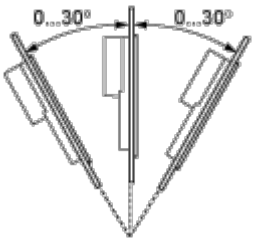


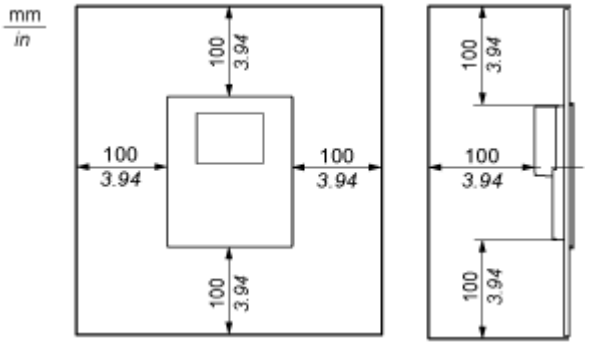
(1) Position 1

(2) Position 2

Installation Requirements

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