Product datasheet

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	1 LED (green or orange) for normal operation or backlighting faulty
Number of pages	Limited by internal memory capacity
Software type	Configuration software
Software designation	Vijeo Designer
Processor frequency	333 MHz

Memory description	512 KB SRAM back up of data with lithium battery back-up
	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 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
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	220.3 mm
Height	265 mm
Depth	70 mm
Cut-out dimensions	209 (+/- 0.4) x 243 (+/- 0.4) mm
Net weight	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	0…55 °C
Ambient air temperature for storage	-20…60 °C
Relative humidity	10…90 % without condensation
Operating altitude	< 2000 m

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IP degree of protection	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529
NEMA degree of protection	NEMA 4X front panel (indoor use)
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	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)
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	23.8 cm
Package 1 Width	40.1 cm
Package 1 Length	43.7 cm
Package 1 Weight	4112.5 g

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained ＞

How we assess product sustainability ＞

Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	**4082**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
SCIP Number	**8c869bd2-791d-4092-95fa-a6835ef51806**

Use Again

Repack and remanufacture

Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

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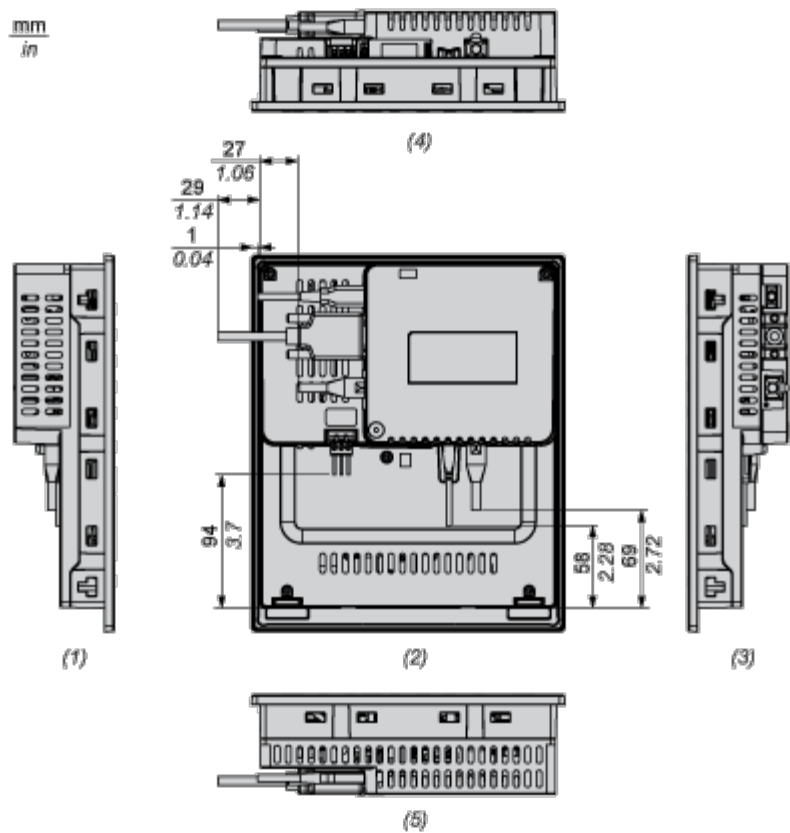
Dimensions Drawings

Dimensions

External Dimensions
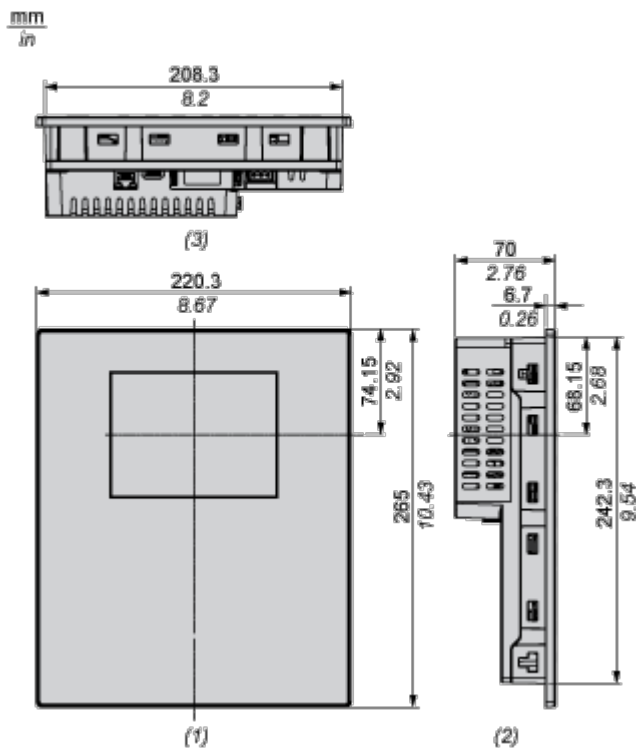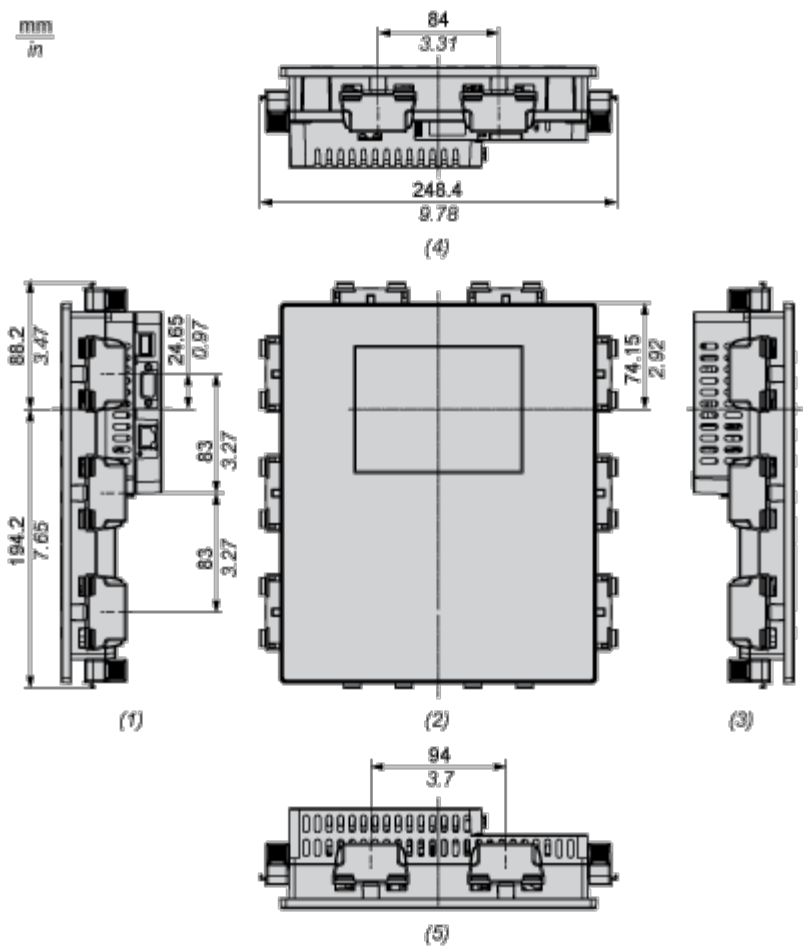

(1) Front

(2) Left

(3) Bottom

Dimensions with Cables

(1) Right

(2) Front

(3) Left

(4) Bottom

(5) Top

Dimensions with Spring Clips
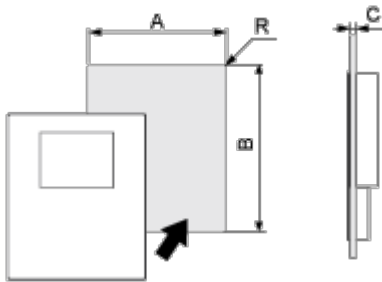
(1) Right

(2) Front

(3) Left

(4) Bottom

(5) Top

Mounting and Clearance

Mounting
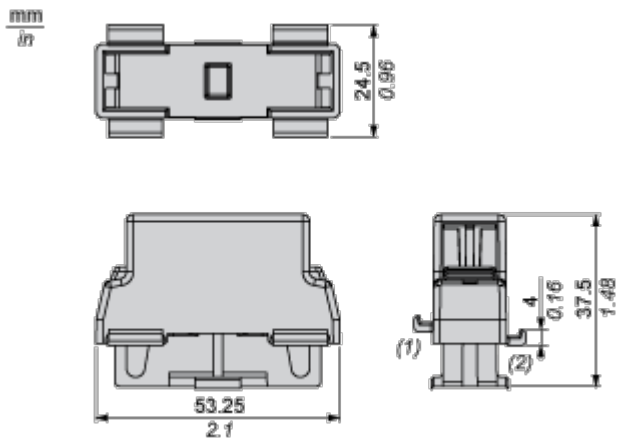
Panel Cut Dimensions

Dimensions in mm

A	B	C
$209^{\pm0.4}$	$243^{\pm0.4}$	Spring clips (Position 1): 1.5...4 Spring clips (Position 2): 4...6

Dimensions in in.

A	B	C
$8.23^{\pm0.01}$	$9.57^{\pm0.01}$	Spring clips (Position 1): 0.06...0.16 Spring clips (Position 2): 0.16...0.24

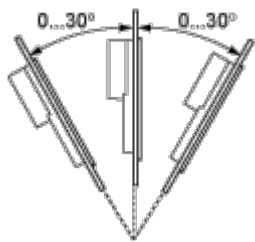### Spring Clip Dimensions

(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