

Product data sheet

Specifications



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

HMIGK2310

Product availability: Stock - Normally stocked in distribution facility

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
Software package	Vijeo Designer
Processor name	ARM926EJ-S

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
Memory description	512 KB SRAM back up of data lithium battery 128 MB flash EPROM application memory

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

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	8.7 in (220.3 mm)
Height	10.4 in (265 mm)
Depth	2.8 in (70 mm)
Cut-out dimensions	209 (+/- 0.4) x 243 (+/- 0.4) mm
Product Weight	4.0 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	< 6561.68 ft (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

Ordering and shipping details

Category	US10MC222569
Discount Schedule	0MC2
GTIN	3606480992087
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	9.449 in (24.000 cm)
Package 1 Width	15.748 in (40.000 cm)
Package 1 Length	17.126 in (43.500 cm)
Package weight(Lbs)	9.116 lb(US) (4.135 kg)
Unit Type of Package 2	P12
Number of Units in Package 2	16
Package 2 Height	43.701 in (111.000 cm)
Package 2 Width	31.496 in (80.000 cm)
Package 2 Length	47.244 in (120.000 cm)
Package 2 Weight	178.927 lb(US) (81.160 kg)

Contractual warranty

Warranty (in months)	18
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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

Total lifecycle Carbon footprint	398 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	133 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	261 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

F-gas usage performance	Only air and vacuum used for insulation / breaking, no F-gas including SF6
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	8c869bd2-791d-4092-95fa-a6835ef51806
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Halogen content performance	Product contains halogen above thresholds
PVC free	No
Silicon free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

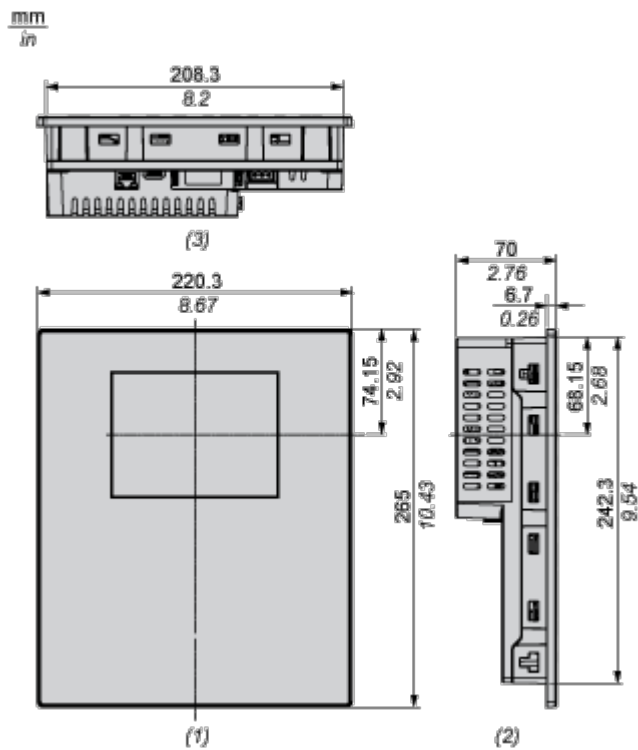
Recyclability potential, in %	33
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Circularity Profile	End of Life Information
Removable battery	User replaceable
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions Drawings

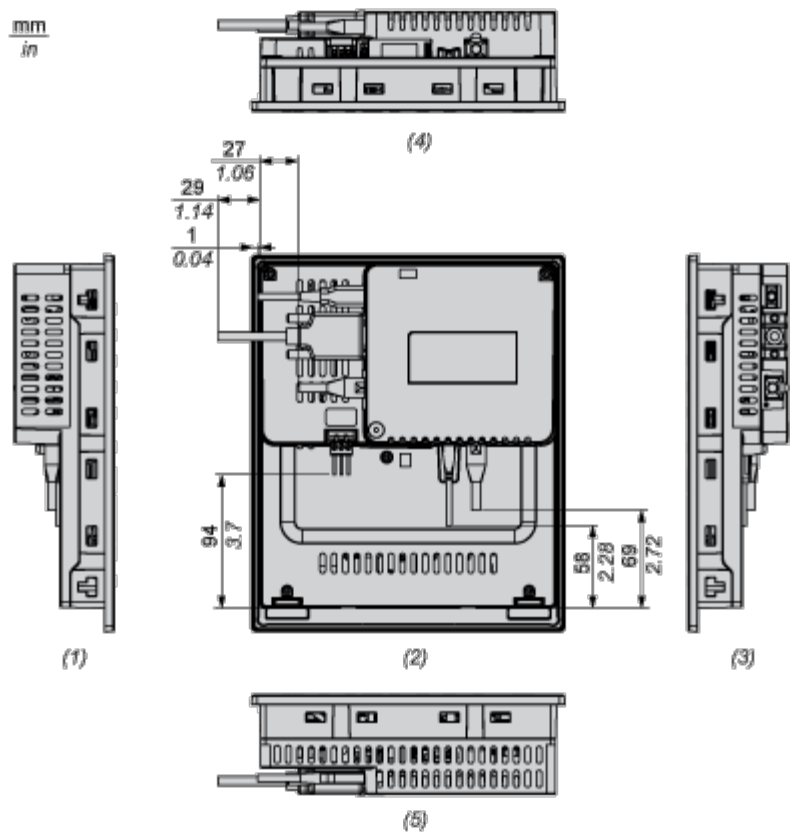
Dimensions

External Dimensions



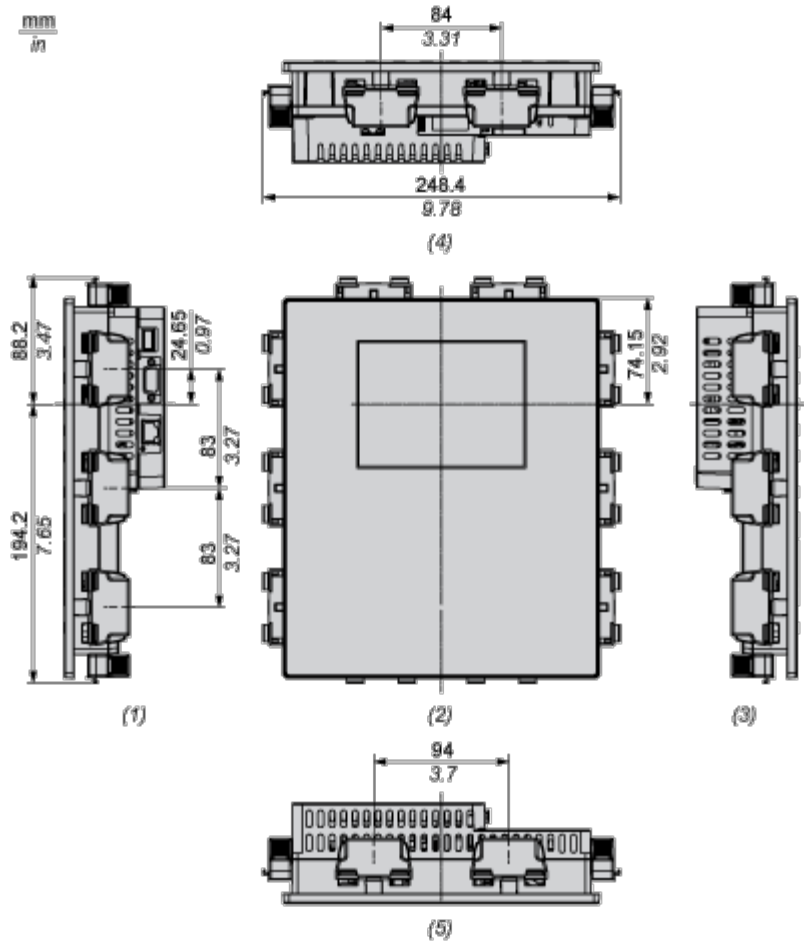
- (1) Front
- (2) Left
- (3) Bottom

Dimensions with Cables



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

Dimensions with Spring Clips

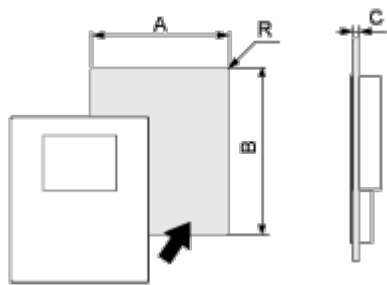


- (1) Right
- (2) Front
- (3) Left
- (4) Bottom
- (5) Top

Mounting and Clearance

Mounting

Panel Cut Dimensions



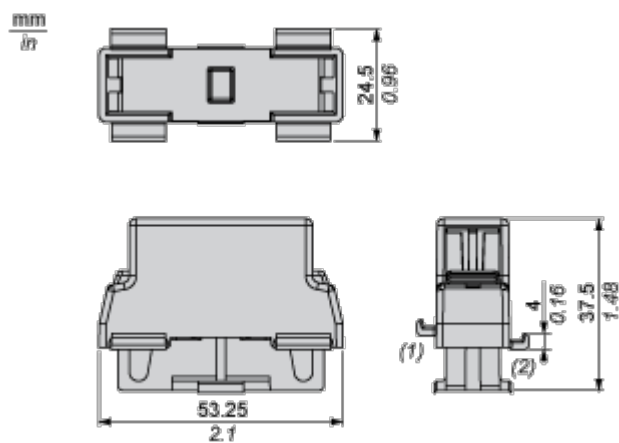
Dimensions in mm

A	B	C
209±0.4	243±0.4	Spring clips (Position 1): 1.5...4 Spring clips (Position 2): 4...6

Dimensions in in.

A	B	C
8.23±0.01	9.57±0.01	Spring clips (Position 1): 0.06...0.16 Spring clips (Position 2): 0.16...0.24

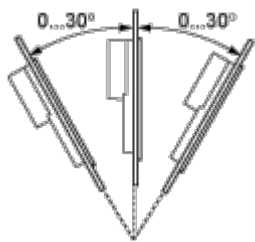
Spring Clip Dimensions



- (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

