

# Product datasheet

Specifications



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

HMIGK2310

Price: 42,683.08 ZAR

## 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<br>Taiwanese (traditional Chinese)<br>ASCII (European characters)<br>Japanese (ANK, Kanji)<br>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                                                                                                                           |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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 with lithium battery back-up<br>128 MB flash EPROM application memory                                                                                                                                                                                                                                                          |
| Downloadable Protocols     | Telemecanique Modicon FIPWAY<br>Telemecanique Modicon Modbus Plus<br>Telemecanique Modicon Modbus TCP<br>Telemecanique Modicon Modbus<br>Mitsubishi Melsec third party protocols<br>Omron Sysmac third party protocols<br>Rockwell Automation Allen-Bradley third party protocols<br>Siemens Simatic third party protocols<br>Telemecanique Modicon Uni-TE |
| Realtime Clock             | Built-in                                                                                                                                                                                                                                                                                                                                                   |
| Memory Type                | Up to 32 GB SD card RAM<br>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)<br>USB 2.0 type A master port for Modicon M340 terminal port communication<br><= 115.2 kbits/s male SUB-D 9, RS232C COM1 serial link<br>removable screw terminal block power supply<br>RJ45 Ethernet TCP/IP<br>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<br>IEC 61000-6-2<br>IEC 61131-2<br>ANSI/ISA 12.12.01<br>CSA C22.2 No 213<br>IEC 61000-6-4<br>UBC 1997 (Seismic Zone 4)                 |
| Product Certifications                | UL Class 1 Division 2 T5<br>KC<br>CSA Class 1 Division 2 T5<br>CSA Class 1 Division 2 T4A<br>EAC<br>RCM<br>cULus<br>UL Class 1 Division 2 T4A<br>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                                                                                                                                              |

|                                      |                                                                                                                                                                                                                                                                                       |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ip Degree Of Protection</b>       | IP20 (rear panel) conforming to IEC 60529<br>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)<br>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<br>Resistance to radiated electromagnetic fields - test level: 10 V/m conforming to IEC 61000-4-3<br>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>             | 23.8 cm  |
| <b>Package 1 Width</b>              | 40.1 cm  |
| <b>Package 1 Length</b>             | 43.7 cm  |
| <b>Package 1 Weight</b>             | 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<sub>2</sub> 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](#)

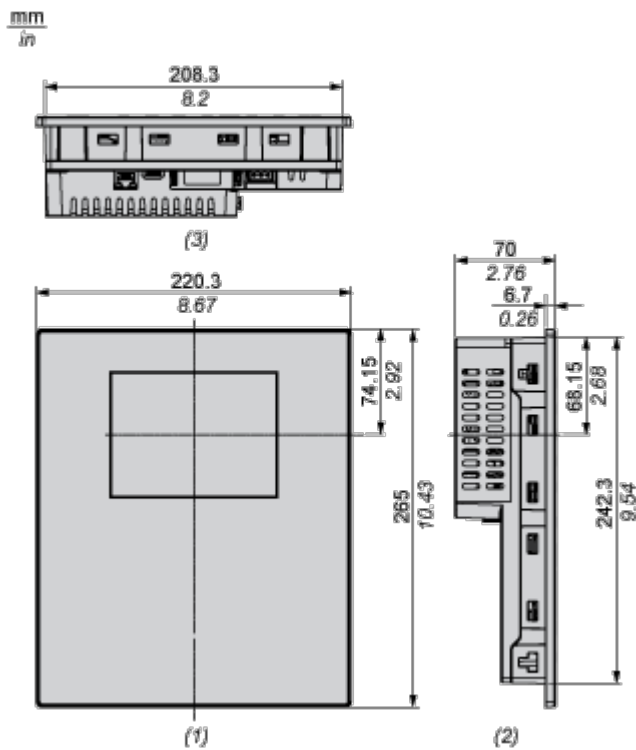
Certifications & Standards

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

Dimensions Drawings

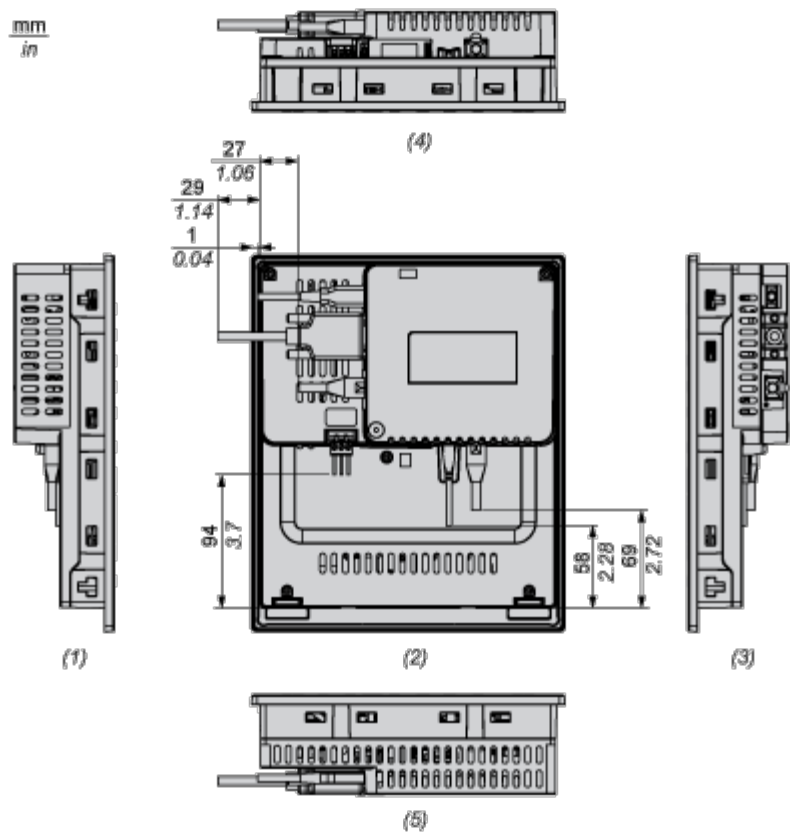
Dimensions

External Dimensions



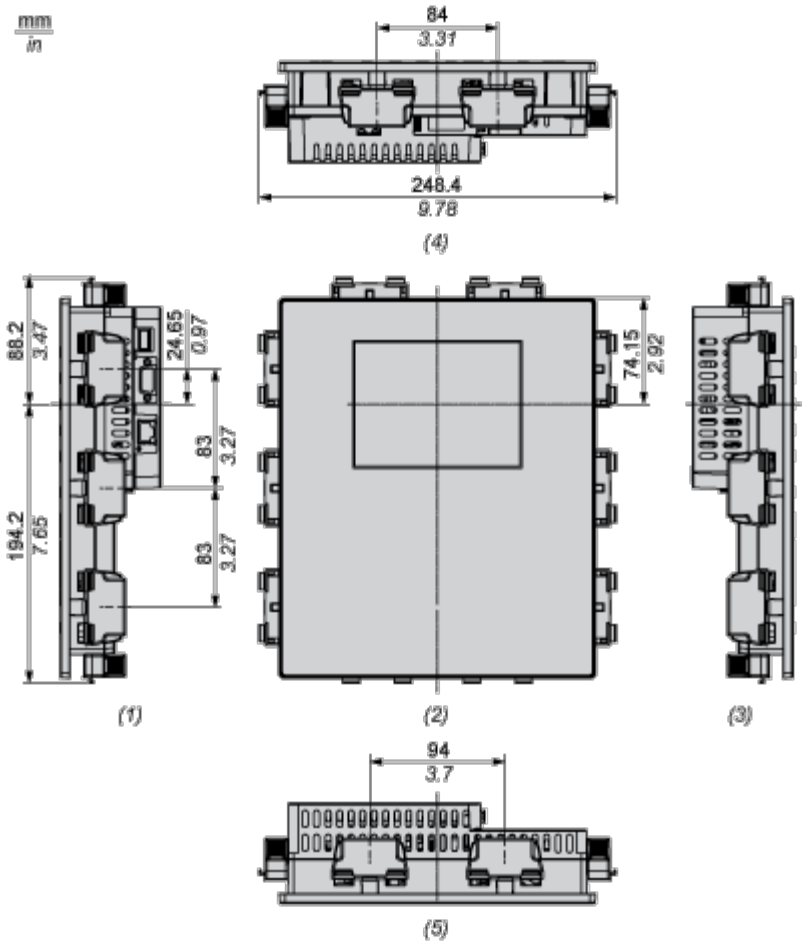
- (1) Front
- (2) Left
- (3) Bottom

Dimensions with Cables



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

Dimensions with Spring Clips

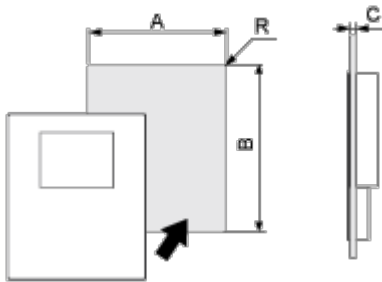


- (1) Right
- (2) Front
- (3) Left
- (4) Bottom
- (5) Top

Mounting and Clearance

Mounting

Panel Cut Dimensions



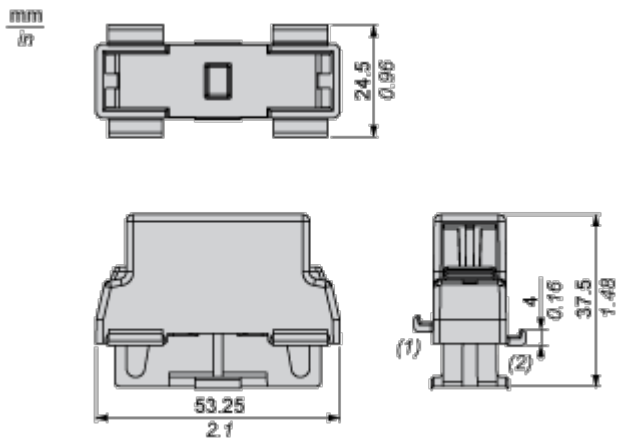
Dimensions in mm

| A       | B       | C                                                                      |
|---------|---------|------------------------------------------------------------------------|
| 209±0.4 | 243±0.4 | Spring clips (Position 1): 1.5...4<br>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<br>Spring clips (Position 2): 0.16...0.24 |

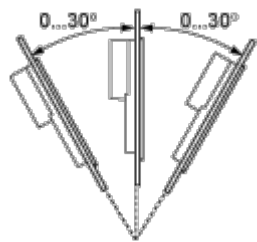
Spring Clip Dimensions



- (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

