



## Main

|                           |                               |
|---------------------------|-------------------------------|
| Range of product          | Magelis GK                    |
| Product or component type | Touchscreen panel with keypad |
| Display colour            | 65536 colours                 |
| Display size              | 5.7 inch                      |
| Supply                    | External source               |
| Operating system          | Magelis                       |
| 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)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<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                                                                                                                                                                                                                                                                                                                           |
| Product weight             | 1.8 kg                                                                                                                                                                                                                                                                                                                                                     |

## Environment

|                                       |                                                                                                                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunity to microbreaks               | 5 ms                                                                                                                                                                                           |
| Standards                             | UL 61010-2-201<br>EN 61000-6-2<br>EN 61131-2<br>ANSI/ISA 12.12.01<br>CSA C22.2 No 213<br>EN 61000-6-4                                                                                          |
| 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                                                  |
| 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                                                                                                                                                                                       |
| IP degree of protection               | IP20 (rear panel) conforming to IEC 60529<br>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)<br>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<br>Resistance to radiated electromagnetic fields - test level: 10 V/m conforming to IEC 61000-4-3 |

## Offer Sustainability

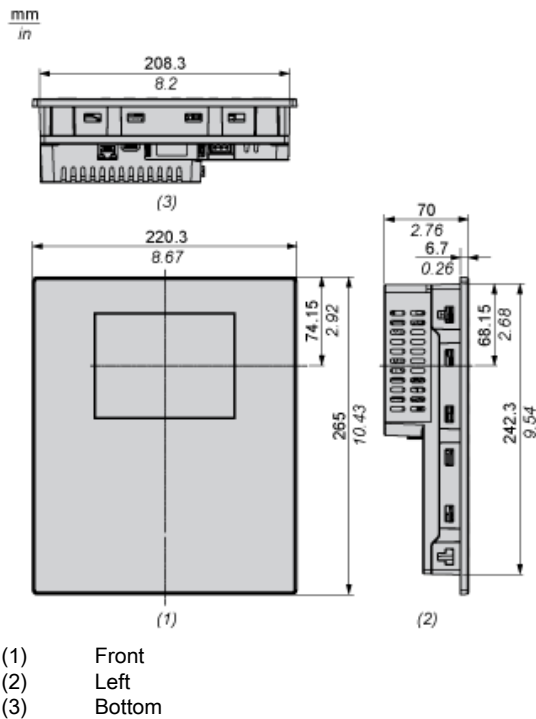
|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|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

## Contractual warranty

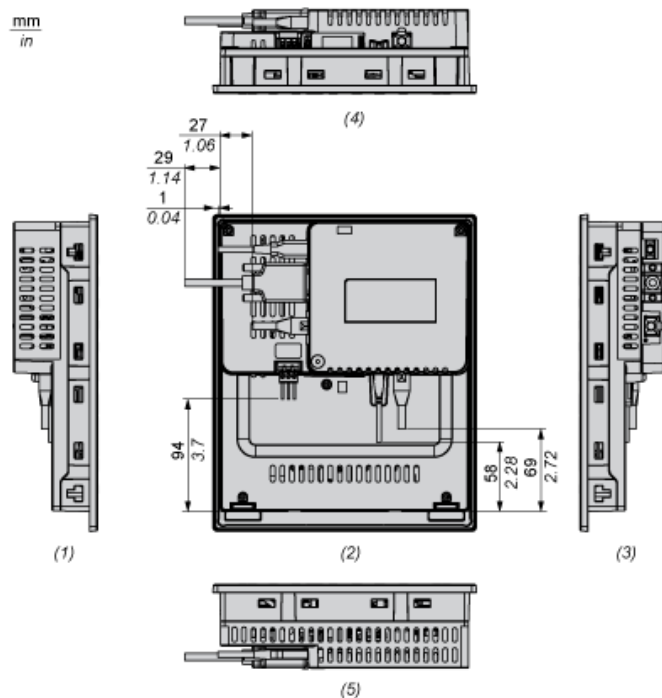
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions

External Dimensions

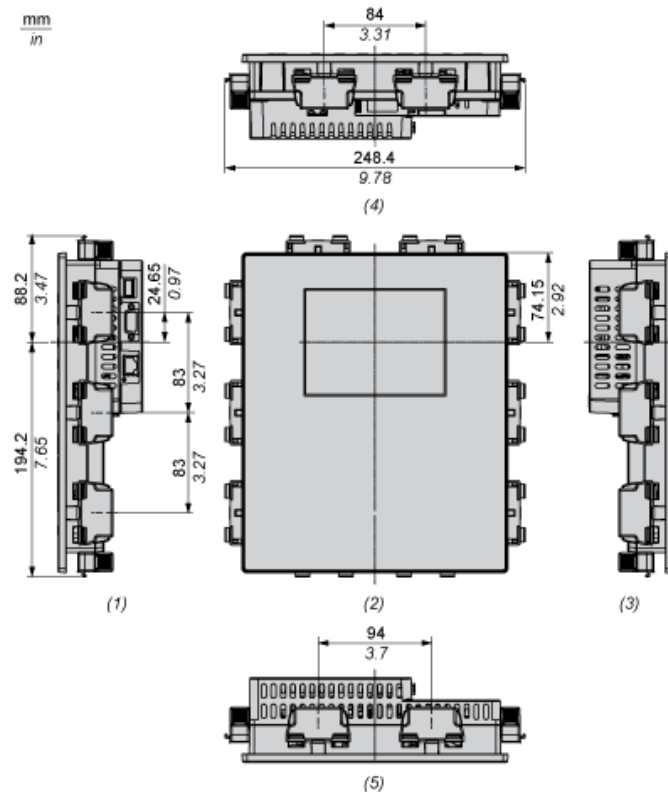


## Dimensions with Cables



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

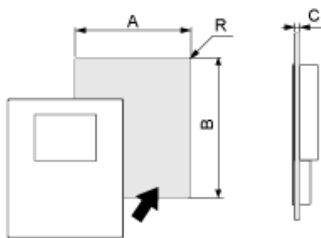
## Dimensions with Spring Clips



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

Mounting

Panel Cut Dimensions



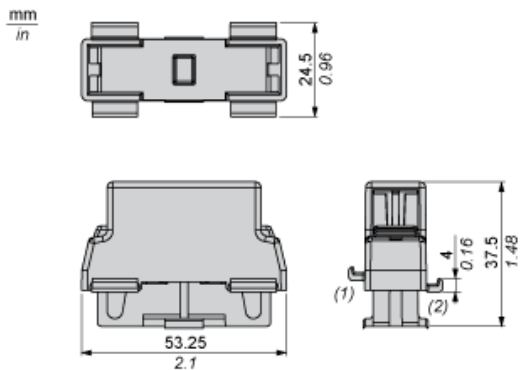
Dimensions in mm

| A                   | B                   | C                                                                      |
|---------------------|---------------------|------------------------------------------------------------------------|
| 209 <sup>±0.4</sup> | 243 <sup>±0.4</sup> | Spring clips (Position 1): 1.5...4<br>Spring clips (Position 2): 4...6 |

Dimensions in in.

| A                     | B                     | C                                                                                |
|-----------------------|-----------------------|----------------------------------------------------------------------------------|
| 8.23 <sup>±0.01</sup> | 9.57 <sup>±0.01</sup> | Spring clips (Position 1): 0.06...0.16<br>Spring clips (Position 2): 0.16...0.24 |

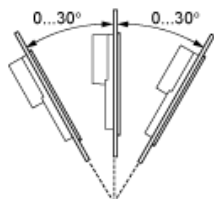
Spring Clip Dimensions



- (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

