

# Product data sheet

Specifications



## Touch panel screen, Harmony STO & STU, 3.4 inch monochrome W/P/R

HMISTO512

⚠ Discontinued on: Dec 27, 2019

⚠ End-of-service on: Dec 28, 2023

⚠ Discontinued - Service only

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### Main

|                           |                    |
|---------------------------|--------------------|
| Range of Product          | Harmony STO & STU  |
| Product or Component Type | Touch panel screen |
| Software Designation      | Vijeo Designer     |
| Operating System          | Harmony            |
| Processor name            | CPU RISC           |

### Complementary

|                            |                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display size               | 3.4 inch                                                                                                                                                      |
| Display Type               | Backlit monochrome STN LCD                                                                                                                                    |
| Background colour          | White, pink and red                                                                                                                                           |
| Display Resolution         | 200 x 80 pixels                                                                                                                                               |
| Touch panel                | Analogue                                                                                                                                                      |
| Backlight lifespan         | 10000 hours red<br>50000 hours pink<br>50000 hours white                                                                                                      |
| Brightness                 | 8 levels                                                                                                                                                      |
| Contrast                   | 16 levels via touch panel                                                                                                                                     |
| Character font             | Japanese (ANK, Kanji)<br>Korean<br>ASCII<br>Taiwanese (traditional Chinese)<br>Chinese (simplified Chinese)                                                   |
| [Us] rated supply voltage  | 24 V DC +/- 20 %                                                                                                                                              |
| Inrush current             | 30 A                                                                                                                                                          |
| Local signalling           | for normal operation 1 LED (green)                                                                                                                            |
| Power consumption in W     | 5 W                                                                                                                                                           |
| Number of pages            | Limited by internal memory capacity                                                                                                                           |
| Processor frequency        | 333 MHz                                                                                                                                                       |
| Memory description         | Application memory 16 MB<br>Back up of data 128 kB                                                                                                            |
| Integrated connection type | 1 USB 2.0 type mini B<br>1 USB 2.0 type A<br>power supply - removable screw terminal block<br>COM1 serial link - female RJ45 - RS232C/RS485 <= 115.2 kbits/s) |

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

|                        |                                           |
|------------------------|-------------------------------------------|
| Supply                 | External source                           |
| Realtime clock         | Access to the PLC real-time clock         |
| Downloadable protocols | Third party protocols<br>Uni-TE<br>Modbus |
| Fixing mode            | By 2 spring clips 1.6...5 mm thick panel  |
| Enclosure Material     | PPT                                       |
| Marking                | CE                                        |
| Height                 | 3.05 in (77.5 mm)                         |
| Width                  | 4.6 in (116.5 mm)                         |
| Depth                  | 1.4 in (36.5 mm)                          |

## Environment

|                                       |                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| Immunity to microbreaks               | 3 ms                                                                                           |
| Standards                             | FCC Class A<br>UL 1604<br>UL 508<br>IEC 61000-6-2<br>EN 61131-2                                |
| Product Certifications                | UL Class 1 Division 2 T4A<br>UL Class 1 Division 2 T5<br>C-tick<br>cULus<br>GOST<br>CE<br>KCC  |
| Ambient Air Temperature for Operation | 32...122 °F (0...50 °C)                                                                        |
| Ambient Air Temperature for Storage   | -4...140 °F (-20...60 °C)                                                                      |
| Relative humidity                     | 0...90 % without condensation                                                                  |
| Operating altitude                    | <= 6561.68 ft (2000 m)                                                                         |
| IP degree of protection               | IP20 IEC 60529 rear panel)<br>IP65 IEC 60529 front panel)                                      |
| NEMA degree of protection             | NEMA 4X front panel indoor use)                                                                |
| Shock resistance                      | 15 gn 11 msIEC 60068-2-27                                                                      |
| Vibration resistance                  | +/- 3.5 mm 5...9 Hz) IEC 60068-2-6<br>1 gn 9...150 Hz) IEC 60068-2-6                           |
| Electromagnetic compatibility         | Resistance to radiated electromagnetic fields - test level: 10 V/m conforming to IEC 61000-4-3 |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10MC222569  |
| Discount Schedule | 0MC2          |
| GTIN              | 3595864089706 |
| Returnability     | Yes           |
| Country of origin | CN            |

## Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |

|                  |                   |
|------------------|-------------------|
| Package 1 Height | 3.54 in (9.0 cm)  |
| Package 1 Width  | 5.12 in (13.0 cm) |
| Package 1 Length | 7.28 in (18.5 cm) |
| Package 1 Weight | 12.7 oz (360.0 g) |

## Contractual warranty

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

# 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.

How this information helps you >

## Environmental footprint

Environmental Disclosure

[Product Environmental Profile](#)

## Use Better

### Materials and Substances

EU RoHS Directive

Pro-active compliance  
(Product out of EU RoHS legal scope)

SCIP Number

E52e26c6-  
bf18-4986-90c0-40bf6025afe1

REACH Regulation

[REACH Declaration](#)

China RoHS Regulation

[China RoHS declaration](#)

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](http://www.P65Warnings.ca.gov)

## Use Again

### Repack and remanufacture

Circularity Profile

[End of Life Information](#)

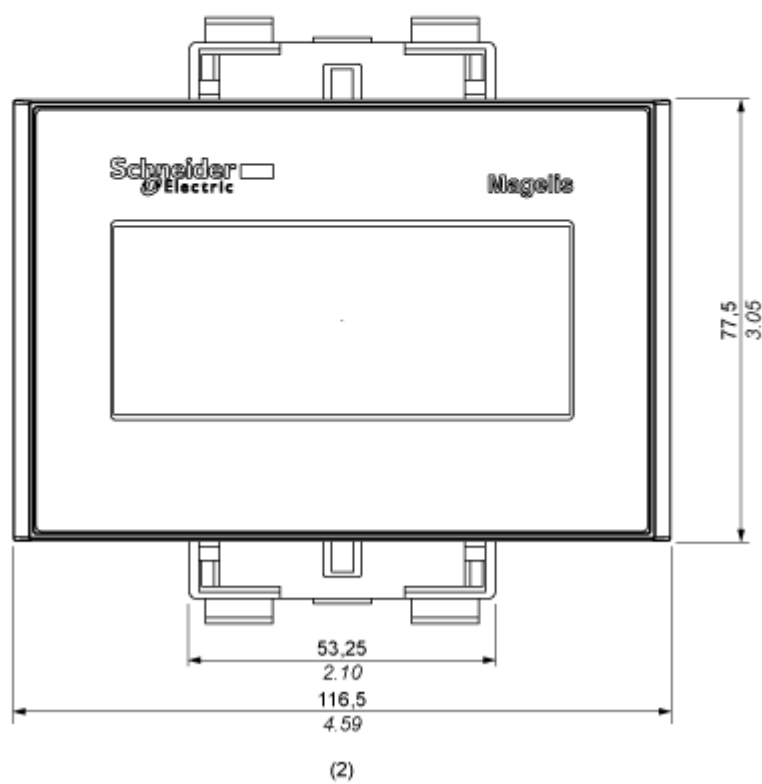
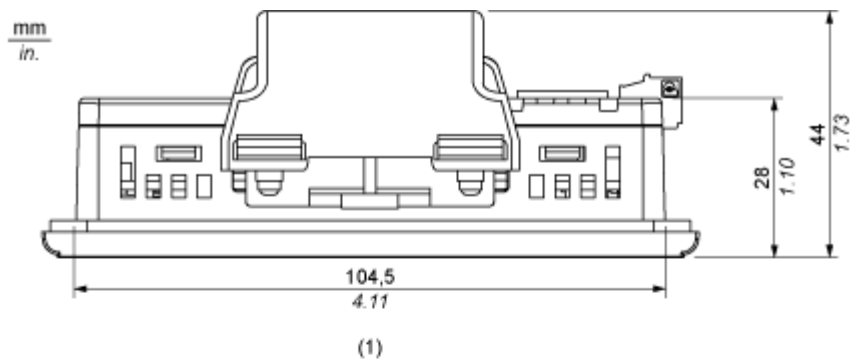
WEEE



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

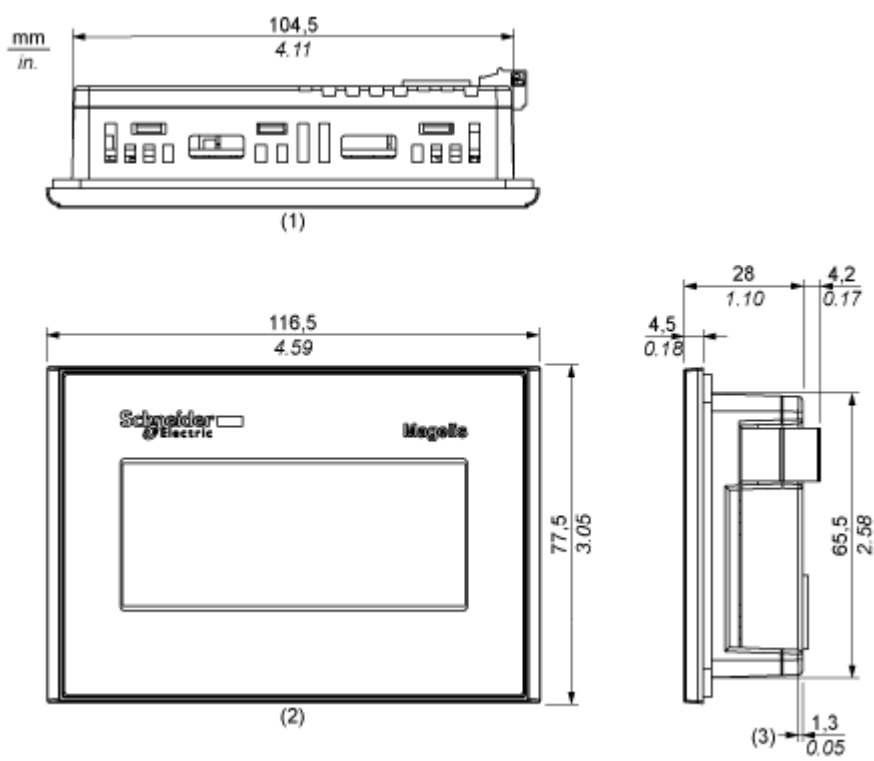
Dimensions Drawings

Dimensions with Spring Clips



- (1) Top
- (2) Front

Dimensions without Spring Clips

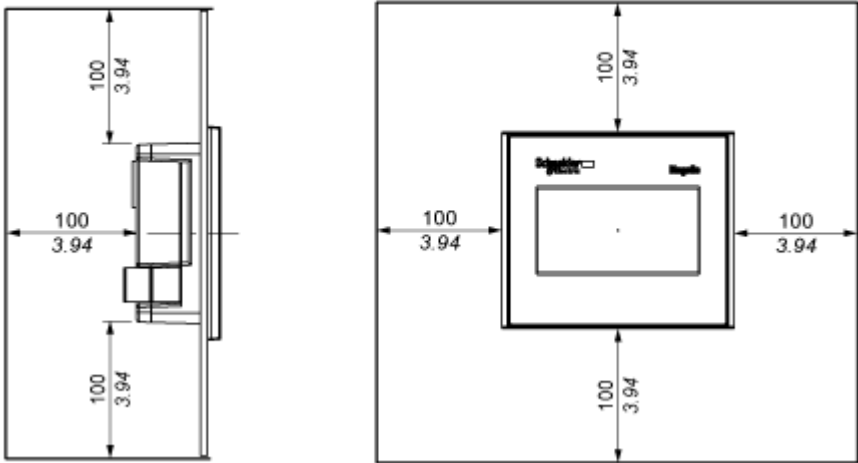


- (1) Top
- (2) Front
- (3) Right Side

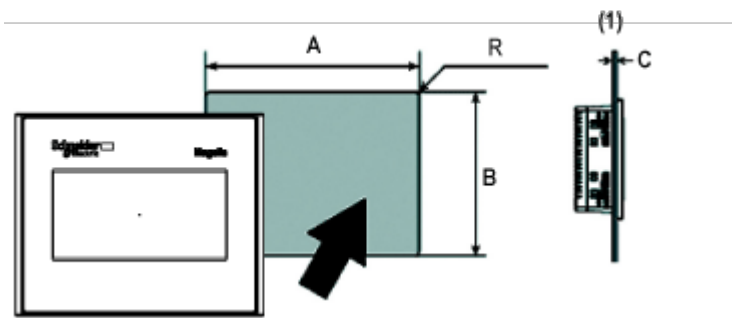
Mounting and Clearance

Clearance

mm  
in.



Panel Cut-out Dimensions



(1) Panel

| A (mm)          | A (in.)             | B (mm)         | B (in.)             | C (mm)<br>Spring Clips | C (in.)<br>Spring Clips | R (mm)     | R (in.)        |
|-----------------|---------------------|----------------|---------------------|------------------------|-------------------------|------------|----------------|
| +1<br>105<br>-0 | +0.04<br>4.13<br>-0 | +1<br>66<br>-0 | +0.04<br>2.59<br>-0 | 1.5 to 6.0             | 0.059 to 0.236          | 2.0 to 3.0 | 0.078 to 0.118 |