

# Product data sheet

Specifications



## Touch panel screen, Harmony STO & STU, 3"4 monochrome Ethernet G/O/R

HMISTO531

⚠ Discontinued on: Dec 2, 2020

⚠ 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	Green, orange and red
Display Resolution	200 x 80 pixels
Touch Panel	Analogue
Backlight Lifespan	10000 hours red 50000 hours orange 50000 hours green
Brightness	8 levels
Contrast	16 levels via touch panel
Character Font	Chinese (simplified Chinese) Korean Taiwanese (traditional Chinese) Japanese (ANK, Kanji) ASCII
[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
Port Ethernet	10/100BASE-TX
Memory Description	Application memory 16 MB Back up of data 128 kB

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

<b>Integrated Connection Type</b>	1 USB 2.0 type mini B 1 USB 2.0 type A power supply - removable screw terminal block 1 Ethernet TCP/IP - 1 RJ45
<b>Supply</b>	External source
<b>Realtime Clock</b>	Access to the PLC real-time clock
<b>Downloadable Protocols</b>	XWAY TCP/IP Modbus TCP/IP Third party protocols
<b>Fixing Mode</b>	By 2 spring clips 1.6...5 mm thick panel
<b>Enclosure Material</b>	PPT
<b>Marking</b>	CE

## Environment

<b>Immunity To Microbreaks</b>	3 ms
<b>Standards</b>	FCC Class A UL 1604 UL 508 IEC 61000-6-2 EN 61131-2
<b>Product Certifications</b>	UL Class 1 Division 2 T5 C-tick CE UL Class 1 Division 2 T4A cULus
<b>Ambient Air Temperature For Operation</b>	32...122 °F (0...50 °C)
<b>Ambient Air Temperature For Storage</b>	-4...140 °F (-20...60 °C)
<b>Relative Humidity</b>	0...90 % without condensation
<b>Operating Altitude</b>	<= 6561.68 ft (2000 m)
<b>Ip Degree Of Protection</b>	IP20 IEC 60529 rear panel) IP65 IEC 60529 front panel)
<b>Nema Degree Of Protection</b>	NEMA 4X front panel indoor use)
<b>Shock Resistance</b>	15 gn 11 ms IEC 60068-2-27
<b>Vibration Resistance</b>	+/- 3.5 mm 5...9 Hz) IEC 60068-2-6 1 gn 9...150 Hz) IEC 60068-2-6
<b>Electromagnetic Compatibility</b>	Resistance to radiated electromagnetic fields - test level: 10 V/m conforming to IEC 61000-4-3

## Ordering and shipping details

<b>Category</b>	US10MC222569
<b>Discount Schedule</b>	0MC2
<b>Gtin</b>	3595864127507
<b>Returnability</b>	No
<b>Country Of Origin</b>	CN

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	3.35 in (8.5 cm)

<b>Package 1 Width</b>	3.54 in (9.0 cm)
<b>Package 1 Length</b>	7.28 in (18.5 cm)
<b>Package 1 Weight</b>	13.44 oz (381.0 g)
<b>Unit Type Of Package 2</b>	S03
<b>Number Of Units In Package 2</b>	12
<b>Package 2 Height</b>	11.81 in (30.0 cm)
<b>Package 2 Width</b>	11.81 in (30.0 cm)
<b>Package 2 Length</b>	15.75 in (40.0 cm)
<b>Package 2 Weight</b>	11.21 lb(US) (5.087 kg)
<b>Unit Type Of Package 3</b>	PAL
<b>Number Of Units In Package 3</b>	384
<b>Package 3 Height</b>	47.24 in (120.0 cm)
<b>Package 3 Width</b>	31.50 in (80.0 cm)
<b>Package 3 Length</b>	151.18 in (384.0 cm)
<b>Package 3 Weight</b>	443.31 lb(US) (201.08 kg)

## Contractual warranty

<b>Warranty</b>	18 months
-----------------	-----------

## 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 >](#)

## Well-being performance

✓ Reach Free Of Svhc

---

✓ Mercury Free

---

✓ Rohs Exemption Information [Yes](#)

---

**Reach Regulation** [REACH Declaration](#)

---

**Eu Rohs Directive** Pro-active compliance (Product out of EU RoHS legal scope)

---

**China Rohs Regulation** [China RoHS declaration](#)

---

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

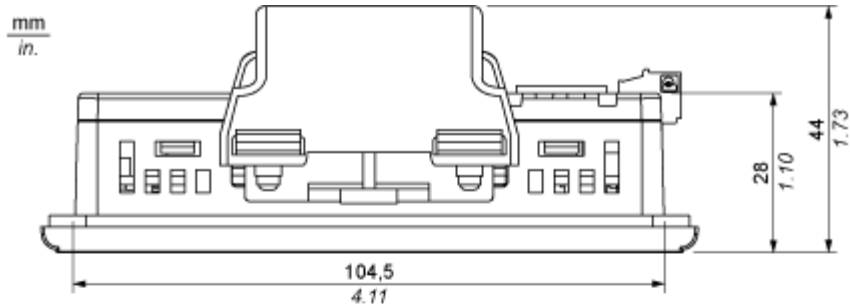
---

**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)

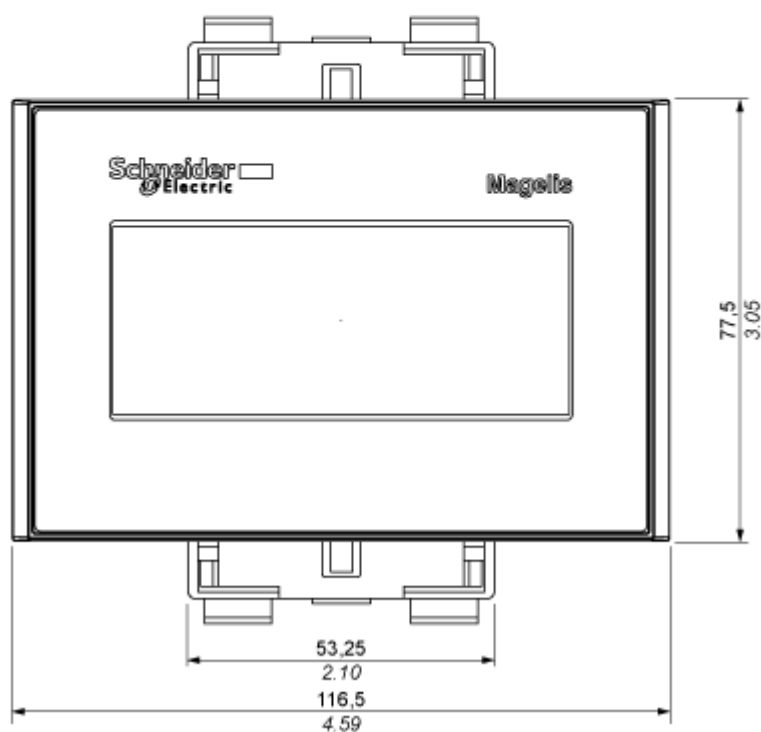
---

Dimensions Drawings

Dimensions with Spring Clips



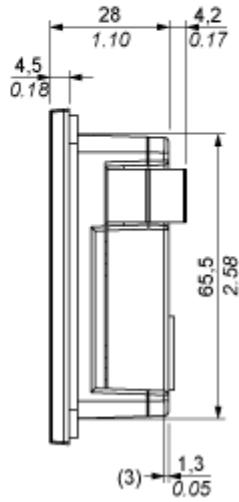
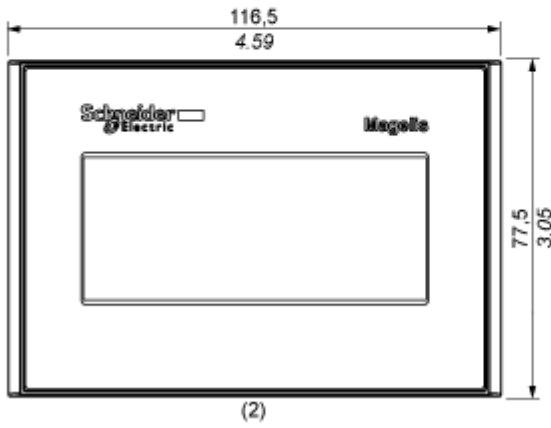
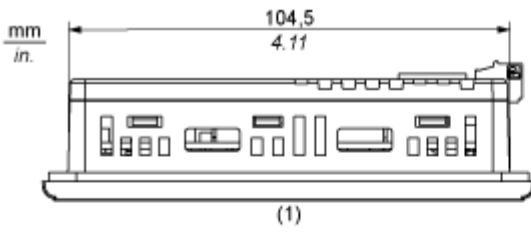
(1)



(2)

- (1) Top
- (2) Front

Dimensions without Spring Clips



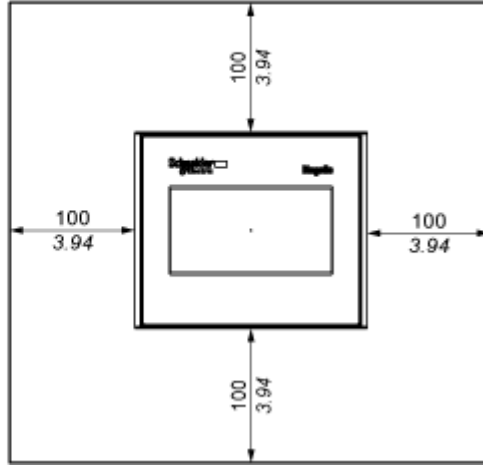
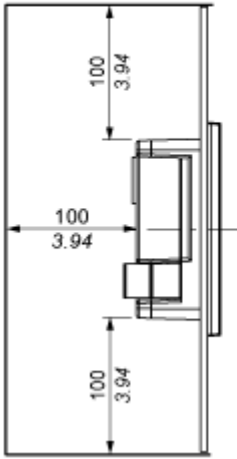
- (1) Top
- (2) Front
- (3) Right Side

Mounting and Clearance

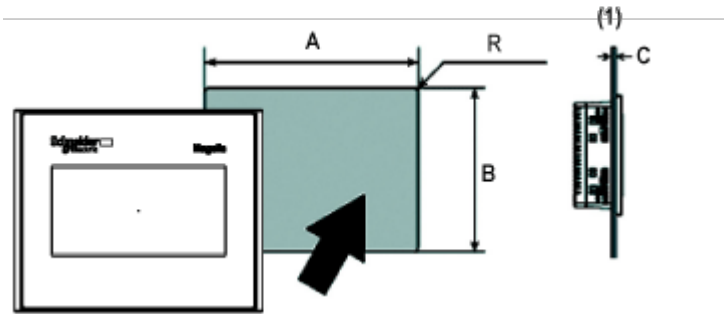
Clearance

---

$\frac{\text{mm}}{\text{in.}}$



Panel Cut-out Dimensions



(1) Panel

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