

# Product data sheet

Specifications



## touch panel screen, Harmony STO & STU, 4.3inch wide, Ethernet

HMISTO735

**Product availability: Stock - Normally stocked in distribution facility**

### Main

|                           |                                      |
|---------------------------|--------------------------------------|
| Range of Product          | Harmony STO & STU                    |
| Product or Component Type | Touch panel screen                   |
| Software package          | EcoStruxure Operator Terminal Expert |

### Complementary

|                            |   |
|----------------------------|---|
| Display size               | 4.3 inch  |
| Display Type               | Colour TFT LCD  |
| Display colour             | 65536 colours   |
| Display Resolution         | 480 x 272 pixels  |
| Touch panel                | Analogue  |
| Backlight lifespan         | 50000 hours white   |
| Brightness                 | 16 levels via touch panel   |
| Character font             | ASCII (European characters)<br>Cyrillic<br>Taiwanese (traditional Chinese)<br>Chinese (simplified Chinese)<br>Japanese (ANK, Kanji)<br>Korean |
| [Us] rated supply voltage  | 12...24 V DC - 10...20 %  |
| Power Consumption in W     | 8.1 W   |
| Number of pages            | 8999  |
| Port Ethernet              | 10BASE-T/100BASE-TX   |
| Memory description         | Back up of data 512 KB<br>Application memory 26 MB  |
| Integrated connection type | 1 USB 2.0 type mini B<br>1 USB 2.0 type A<br>1 Ethernet TCP/IP - RJ45   |
| Supply                     | External source   |
| Realtime clock             | With RTC-battery set optional   |
| Downloadable protocols     | Modbus TCP<br>Modbus<br>Third party protocols   |
| Range Compatibility        | Omron<br>Mitsubishi<br>Siemens<br>Allen-Bradley   |
| Fixing mode                | By 2 installation fasteners 1.5 to 6 mm thick panel   |
| Enclosure Material         | PPT   |

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

|                           |  |
|---------------------------|--|
| <b>Front material</b>     | Plastic  |
| <b>Cut-out dimensions</b> | 77.5 x 112.5 mm<br>66 x 105 mm with mounting adaptor |
| <b>Height</b>             | 3.6 in (90.4 mm)                                     |
| <b>Width</b>              | 4.9 in (124.9 mm)                                    |
| <b>Depth</b>              | 1.5 in (38.8 mm)                                     |
| <b>Net Weight</b>         | 0.49 lb(US) (0.22 kg)                                |

## Environment

|  |  |
|--|--|
| <b>Standards</b>                             | UL 61010-2-201<br>EN 61131-2<br>EN 61000-6-2<br>EN 61000-6-4<br>CSA C22.2 No 213<br>CSA C22.2 No 142<br>UL 61010-1<br>ANSI/ISA 12.12.01  |
| <b>Product Certifications</b>                | CE<br>C-tick<br>ATEX zone 2/22<br>KCC<br>UL<br>cUL<br>UKCA   |
| <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>                     | 10...90 % without condensation   |
| <b>Operating altitude</b>                    | 6561.68 ft (2000 m)  |
| <b>IP degree of protection</b>               | IP65f front panel)<br>IP20 rear panel)   |
| <b>NEMA degree of protection</b>             | NEMA 4X/13 front panel indoor use)   |
| <b>Shock resistance</b>                      | 15 gn 11 msIEC 61131-2   |
| <b>Vibration resistance</b>                  | 1 gn 5...150 Hz) IEC 61131-2<br>3.5 mm constant amplitude 5...150 Hz) IEC 61131-2  |
| <b>Electromagnetic compatibility</b>         | Resistance to radiated electromagnetic fields - test level: 10 V/m (80 MHz...2.7 GHz)<br>Resistance to electrostatic discharge - test level: 8 kV level 3 (air discharge) conforming to EN 61000-4-2<br>Resistance to electrostatic discharge - test level: 6 kV level 3 (direct contact) conforming to EN 61000-4-2 |

## Ordering and shipping details

|                          |               |
|--------------------------|---------------|
| <b>Category</b>          | US10MC222569  |
| <b>Discount Schedule</b> | 0MC2          |
| <b>GTIN</b>              | 3606480920912 |
| <b>Returnability</b>     | Yes           |
| <b>Country of origin</b> | CN            |

## Packing Units

|                               |                     |
|-------------------------------|---------------------|
| <b>Unit Type of Package 1</b> | PCE                 |
| <b>Nbr. of units in pkg.</b>  | 1                   |
| <b>Package 1 Height</b>       | 3.228 in (8.200 cm) |

|                                     |                             |
|-------------------------------------|-----------------------------|
| <b>Package 1 Width</b>              | 5.433 in (13.800 cm)        |
| <b>Package 1 Length</b>             | 7.323 in (18.600 cm)        |
| <b>Package weight(Lbs)</b>          | 18.836 oz (534.000 g)       |
| <b>Unit Type of Package 2</b>       | S03                         |
| <b>Number of Units in Package 2</b> | 12                          |
| <b>Package 2 Height</b>             | 11.811 in (30.000 cm)       |
| <b>Package 2 Width</b>              | 11.811 in (30.000 cm)       |
| <b>Package 2 Length</b>             | 15.748 in (40.000 cm)       |
| <b>Package 2 Weight</b>             | 15.080 lb(US) (6.840 kg)    |
| <b>Unit Type of Package 3</b>       | P12                         |
| <b>Number of Units in Package 3</b> | 288                         |
| <b>Package 3 Height</b>             | 43.307 in (110.000 cm)      |
| <b>Package 3 Width</b>              | 31.496 in (80.000 cm)       |
| <b>Package 3 Length</b>             | 47.244 in (120.000 cm)      |
| <b>Package 3 Weight</b>             | 393.393 lb(US) (178.440 kg) |



## 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

Carbon footprint (kg CO2 eq, Total Life cycle) 686

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

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number 7155ec3f-2b83-4049-8830-d31f9c3341be

REACH Regulation [REACH 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)

Halogen content performance Product contains halogen above thresholds

PVC free No

Silicon free No

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

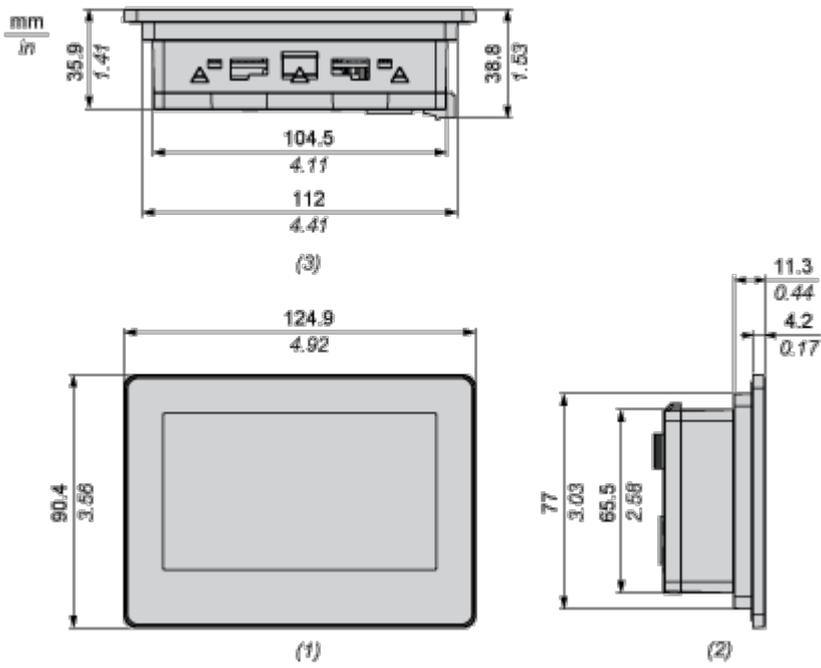
Take-back No

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

Dimensions Drawings

External Dimensions

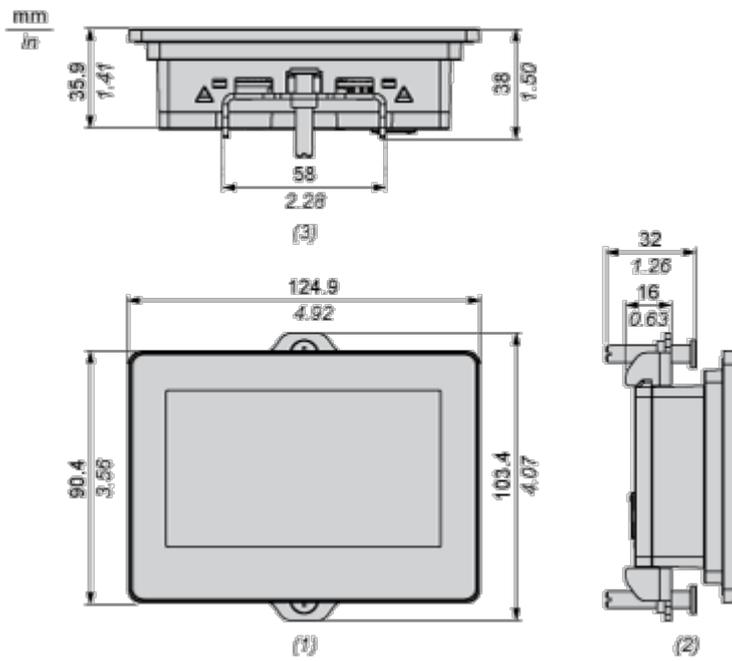
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- 1 Front
- 2 Left
- 3 Bottom

Dimensions with Installation Fasteners

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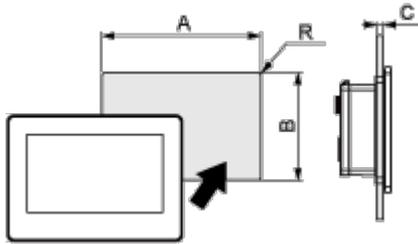
- 1 Front
- 2 Left
- 3 Bottom

Mounting and Clearance

**Mounting**

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**Panel Cut-out Dimensions**



Dimensions in mm

| Description     | A     | B    | C       | R      |
|-----------------|-------|------|---------|--------|
| Without adapter | 112.5 | 77.5 | 1.5...6 | 3 max. |
| With adapter    | 105   | 66   | 1.5...6 | 3 max. |

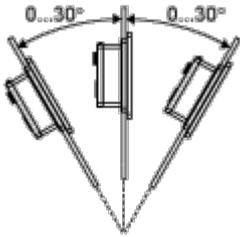
Dimensions in in.

| Description     | A    | B    | C           | R         |
|-----------------|------|------|-------------|-----------|
| Without adapter | 4.43 | 3.05 | 0.06...0.24 | 0.12 max. |
| With adapter    | 4.13 | 2.6  | 0.06...0.24 | 0.12 max. |

Installation Requirements

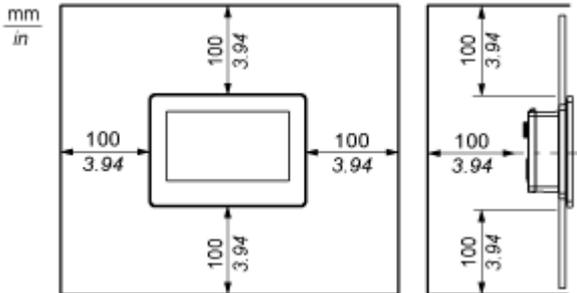
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Mounting Angle



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



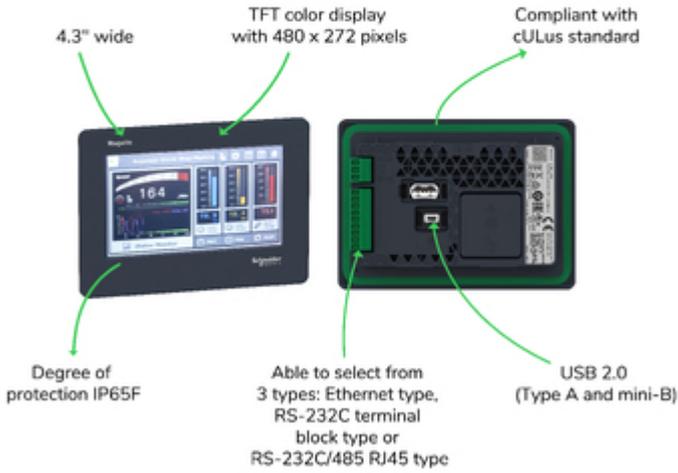
Offer Marketing Illustration

Product benefits / Features

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## Technical Benefits

Harmony STO



Offer Marketing Illustration

Product benefits / Features

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The infographic features a central image of a tablet displaying a monitoring interface with a large '16.4' and various data points. Surrounding this central image are six circular icons, each with a corresponding text description of a feature. The background is a solid green color.

### Features Harmony STO

- Compact body**: Represented by an icon of two overlapping rectangles.
- Enable remote monitoring by PC, tablet and smartphone**: Represented by an icon of a house with an arrow pointing out.
- Crisp and clear visualization**: Represented by an icon of a computer monitor displaying a bar chart.
- Easy data handling with USB**: Represented by a USB symbol.
- Connect with various devices**: Represented by an icon of a central node connected to three peripheral nodes.
- Create highly responsive screens with ease by configuration software "EcoStruxure" Operator Terminal Expert"**: Represented by an icon of a computer monitor with a gear.