

Product data sheet

Specifications



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

HMISTO735

Main

Range of product	Harmony STO & STU
Product or component type	Touch panel screen
Software designation	EcoStruxure Operator Terminal Expert
Operating system	Harmony

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 with white
Brightness	16 levels via touch panel
Character font	ASCII (European characters) Cyrillic Taiwanese (traditional Chinese) Chinese (simplified Chinese) Japanese (ANK, Kanji) 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 Application memory 26 MB
Integrated connection type	1 USB 2.0 type mini B 1 USB 2.0 type A 1 Ethernet TCP/IP - RJ45
Supply	External source
Realtime clock	With RTC-battery set optional
Downloadable protocols	Modbus TCP Modbus Third party protocols
Range compatibility	Omron Mitsubishi Siemens Allen-Bradley
Fixing mode	By 2 installation fasteners, mounting on 1.5 to 6 mm thick panel

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

Enclosure material	PPT
Front material	Plastic
Cut-out dimensions	77.5 x 112.5 mm 66 x 105 mm with mounting adaptor
Height	90.4 mm
Width	124.9 mm
Depth	38.8 mm
Net weight	0.22 kg

Environment

Standards	UL 61010-2-201 EN 61131-2 EN 61000-6-2 EN 61000-6-4 CSA C22.2 No 213 CSA C22.2 No 142 UL 61010-1 ANSI/ISA 12.12.01
Product certifications	CE C-Tick ATEX zone 2/22 KCC UL cUL UKCA
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	10...90 % without condensation
Operating altitude	2000 m
IP degree of protection	IP65f (front panel) IP20 (rear panel)
NEMA degree of protection	NEMA 4X/13 front panel (indoor use)
Shock resistance	15 gn for 11 ms conforming to IEC 61131-2
Vibration resistance	1 gn (f = 5...150 Hz) conforming to IEC 61131-2 3.5 mm constant amplitude (f = 5...150 Hz) conforming to IEC 61131-2
Electromagnetic compatibility	Resistance to radiated electromagnetic fields - test level: 10 V/m (80 MHz...2.7 GHz) Resistance to electrostatic discharge - test level: 8 kV level 3 (air discharge) conforming to EN 61000-4-2 Resistance to electrostatic discharge - test level: 6 kV level 3 (direct contact) conforming to EN 61000-4-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.200 cm
Package 1 Width	13.800 cm
Package 1 Length	18.600 cm
Package 1 Weight	534.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30.000 cm

Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	6.840 kg
Unit Type of Package 3	P12
Number of Units in Package 3	288
Package 3 Height	110.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	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	
Total lifecycle Carbon footprint	686
Environmental Disclosure	Product Environmental Profile

Use Better

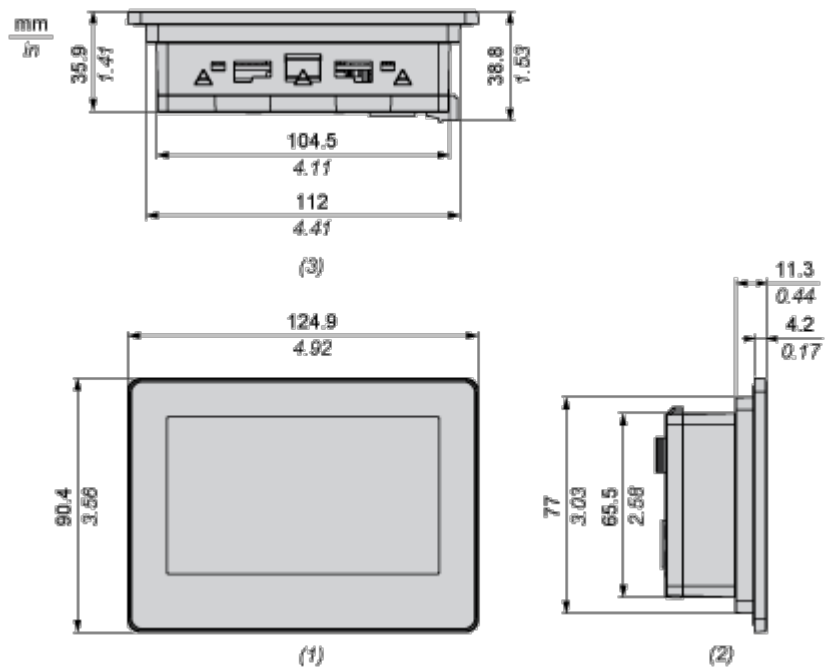
Materials and Substances	
F-gas free	Only air and vacuum used for insulation / breaking, no F-gas including SF6
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	7155ec3f-2b83-4049-8830-d31f9c3341be
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
Halogen-free status	Product contains halogen above thresholds
PVC free	No
Silicone-free	No

Use Again

Repack and remanufacture	
End of life manual availability	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

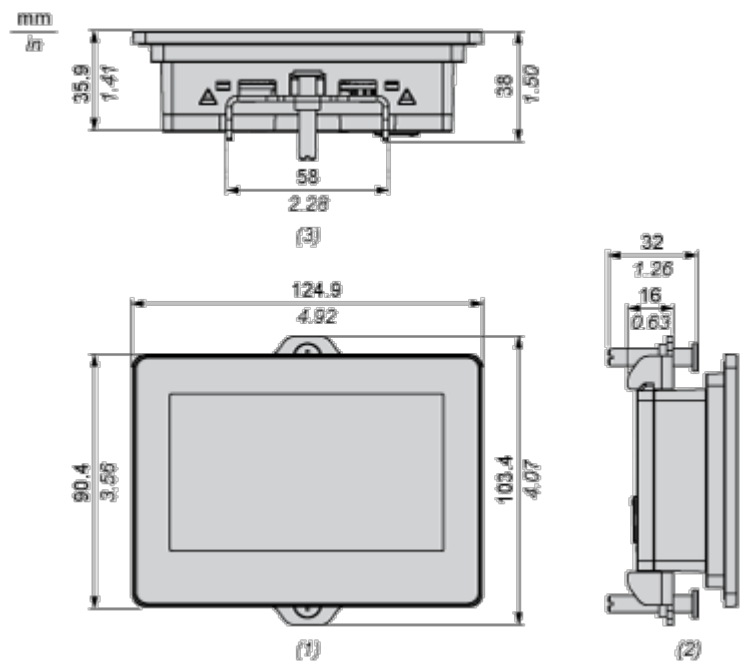
Dimensions Drawings

External Dimensions



- 1 Front
- 2 Left
- 3 Bottom

Dimensions with Installation Fasteners

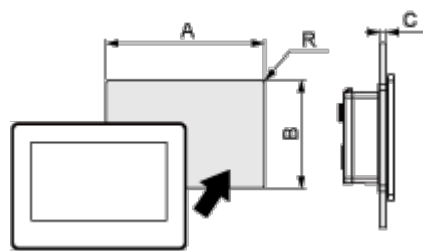


- 1 Front
- 2 Left
- 3 Bottom

Mounting and Clearance

Mounting

Panel Cut-out Dimensions



Dimensions in mm

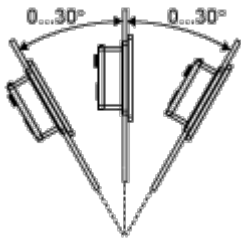
Description	A	B	C	R
Without adapter	112.5	77.5	1.5...6	3 max.
With adapter	105	66	1.5...6	3 max.

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.

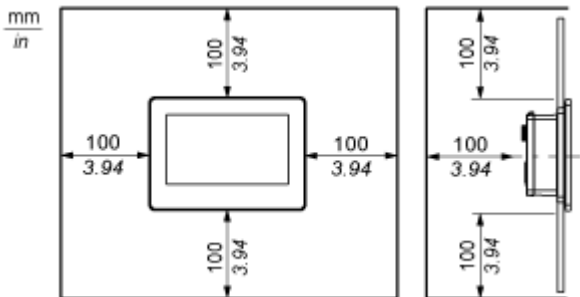
Installation Requirements

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

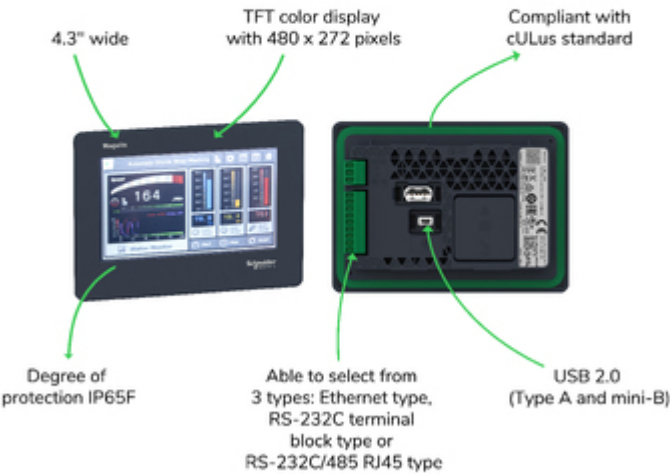


Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony STO



X-ON Electronics

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