Product data sheet

Specifications

touch panel screen, Harmony STO & STU, 4.3inch wide, RS 232 terminal block

HMISTO705

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) Chinese (simplified Chinese) Korean Japanese (ANK, Kanji) Cyrillic Taiwanese (traditional Chinese)
[Us] rated supply voltage	12...24 V DC - 10...20 %
Power consumption in W	7.5 W
Number of pages	8999
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 serial link - 9-pin terminal block - RS232C (rate: 2400...115200 bps)
Supply	External source
Realtime clock	With RTC-battery set optional
Downloadable protocols	Third party protocols Modbus
Range compatibility	MitsubishI Siemens Omron Allen-Bradley
Fixing mode	By 2 installation fasteners, mounting on 1.5 to 6 mm thick panel
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
Product weight	0.22 kg

Environment

Standards	ANSI/ISA 12.12.01 CSA C22.2 No 142 EN 61000-6-2 CSA C22.2 No 213 UL 61010-1 EN 61131-2 EN 61000-6-4 UL 61010-2-201
Product certifications	KCC CE UL C-Tick ATEX zone 2/22 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	8.000 cm
Package 1 Width	13.500 cm
Package 1 Length	18.200 cm
Package 1 Weight	524.000 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	6.782 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	**637**
Environmental Disclosure	**Product Environmental Profile**

Use Better

⊗ Materials and Substances

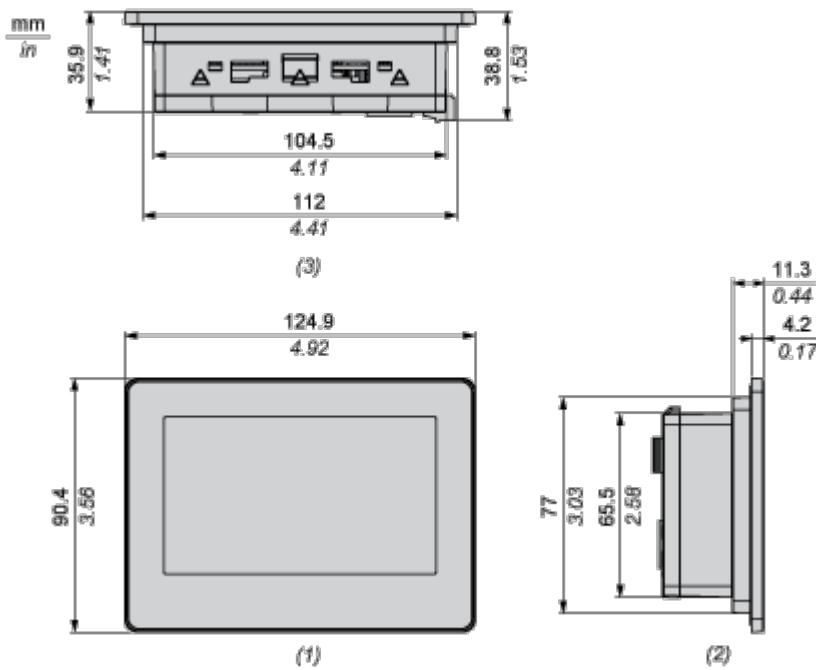|	
F-gas free	**Only air and vacuum used for insulation / breaking, no F-gas including SF6**
Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
SCIP Number	**7155ec3f-2b83-4049-8830-d31f9c3341be**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

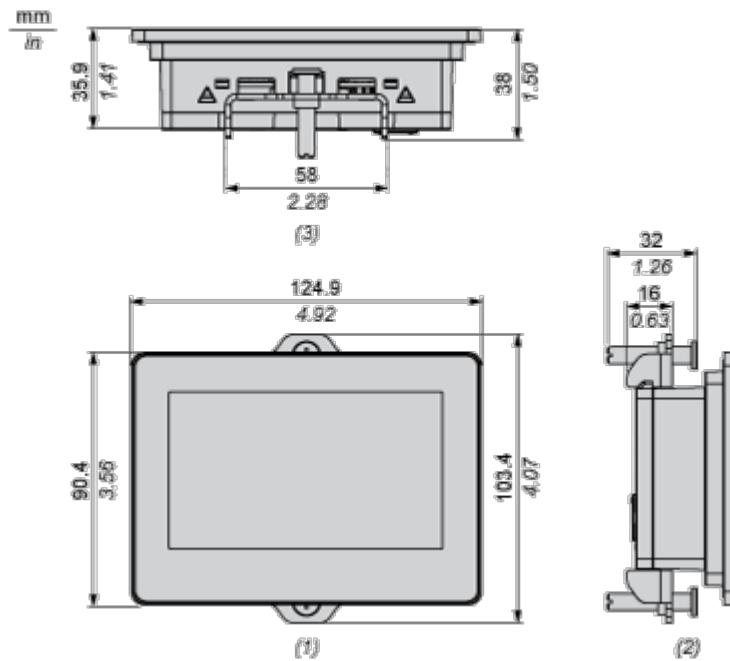|	
End of life manual availability	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Life Is On | Schneider Electric

Dimensions Drawings

External Dimensions

mm / in

104.5
4.11

112
4.41

(3)

124.9
4.92

90.4
3.56

35.9 / 1.41

38.8 / 1.53

(1)

11.3
0.44

4.2
0.17

77 / 3.03

65.5 / 2.58

(2)

1   Front

2   Left

3   Bottom

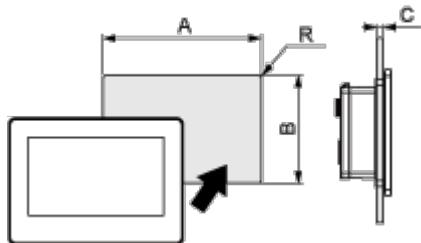**Dimensions with Installation Fasteners**

1   Front

2   Left

3   Bottom

Mounting and Clearance
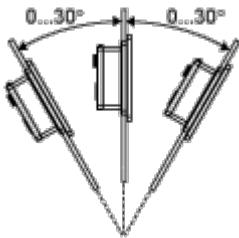
Mounting

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.

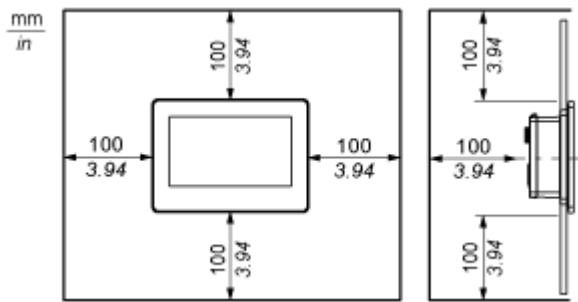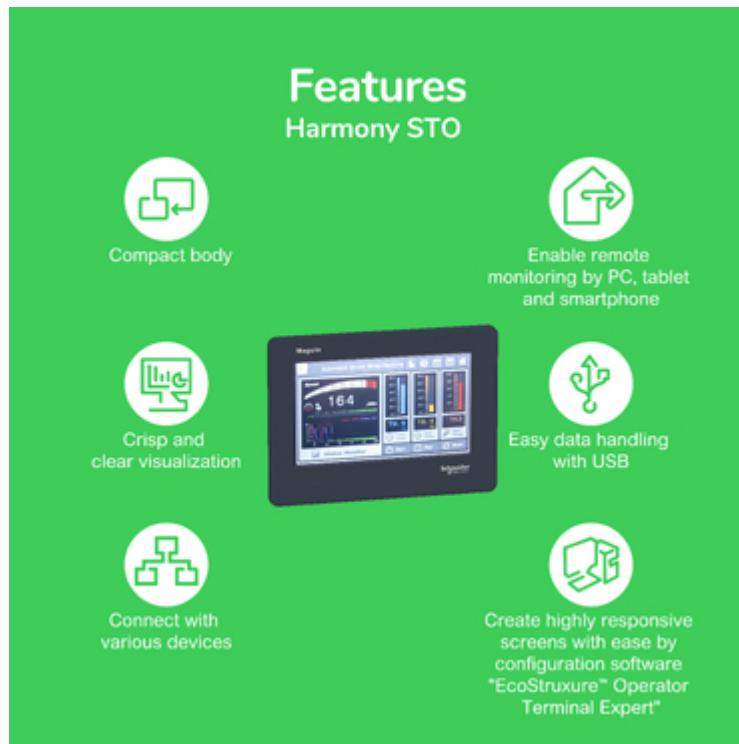| Description	A	B	C	R
Without adapter	4.43	3.05	0.06...0.24	0.12 max.
With adapter	4.13	2.6	0.06...0.24	0.12 max.

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

Features
Harmony STO

Compact body

Enable remote monitoring by PC, tablet and smartphone

Crisp and clear visualization

Easy data handling with USB

Connect with various devices

Create highly responsive screens with ease by configuration software "EcoStruxure™ Operator Terminal Expert"

Offer Marketing Illustration

Product benefits / Features

Technical Benefits
Harmony STO