Product datasheet

Specifications



touch panel screen, Harmony STO & STU, 4.3inch wide, RS 232/485 RJ45

HMISTO715

Main

Range of product	Harmony STO & STU
Product or component type	Touch panel screen
Software package	EcoStruxure Operator Terminal Expert
Processor name	ARM926EJ-S

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	Chinese (simplified Chinese) Japanese (ANK, Kanji) ASCII (European characters) Taiwanese (traditional Chinese) Korean Cyrillic
[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 - RJ45 - RS232C/RS485 (rate: 2400...115200 bps)
Supply	External source
Realtime clock	With RTC-battery set optional
Downloadable protocols	Third party protocols Modbus
Range compatibility	MitsubishI Omron Siemens Allen-Bradley
Fixing mode	By 2 installation fasteners, mounting on 1.5 to 6 mm thick panel
Enclosure material	PPT

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

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	ANSI/ISA 12.12.01 CSA C22.2 No 142 UL 61010-2-201 EN 61000-6-2 CSA C22.2 No 213 EN 61000-6-4 UL 61010-1 EN 61131-2
Product certifications	UL C-Tick KCC CE cUL ATEX zone 2/22 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	7.000 cm
Package 1 Width	13.000 cm
Package 1 Length	18.000 cm
Package 1 Weight	529.000 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	6.795 kg
Unit Type of Package 3	P06
Number of Units in Package 3	96
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	63.000 kg

Contractual warranty

Warranty (in months)	18

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 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**27 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**610 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.3 kg CO2 eq.**
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**
SCIP Number	**7155ec3f-2b83-4049-8830-d31f9c3341be**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	**Product contains halogen above thresholds**
PVC free	**No**
Silicone-free	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

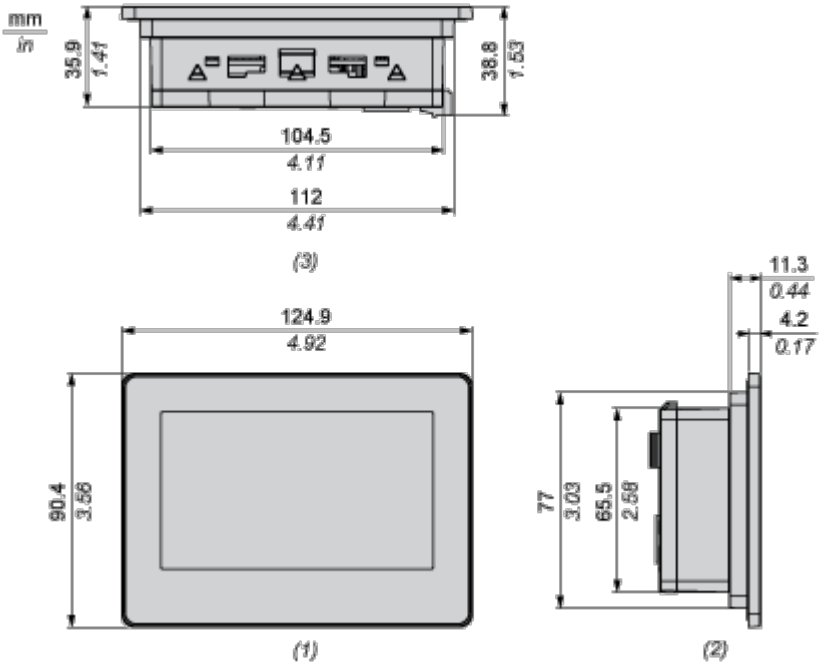
Repack and remanufacture

Recyclability potential, in %	**17**
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

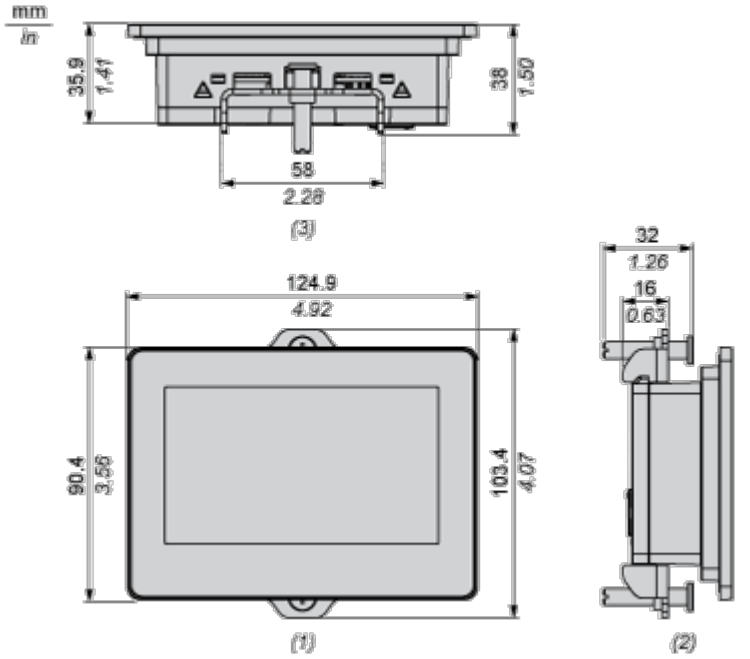


1 Front

2 Left

3 Bottom

Dimensions with Installation Fasteners



1 Front

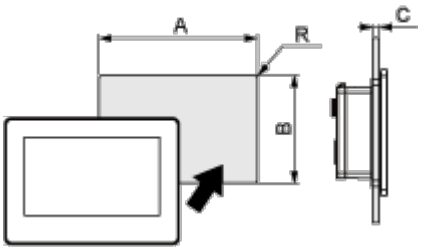
2 Left

3 Bottom

Mounting and Clearance

Mounting

Panel Cut-out Dimensions



Dimensions in mm

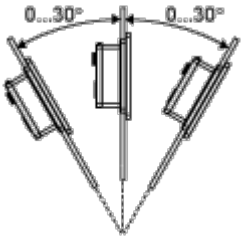
Description	A	B	C	R
Without adapter	112.5	77.5	1.5...6	3 max.
With adapter	105	66	1.5...6	3 max.

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

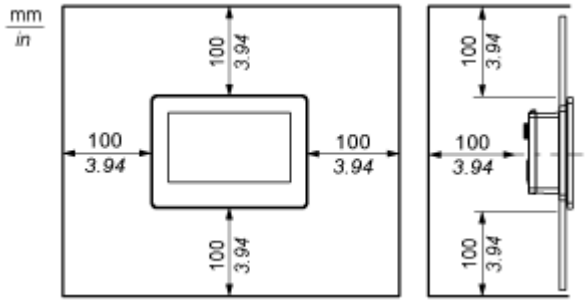
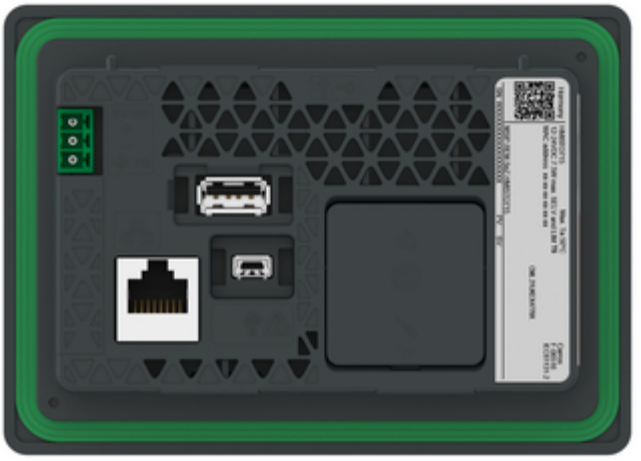


Image of product / Alternate images

Alternative










Harmony
Schneider Electric

