Product data sheet
Characteristics

HMISTO705
touch panel screen, Harmony STO & STU, 4.3inch wide, RS 232 terminal block

Green Premium™

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
Net weight	0.22 kg

Environment

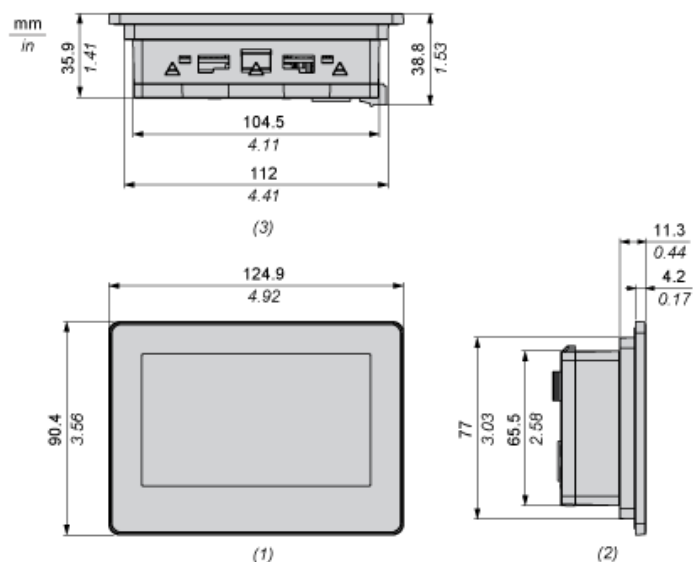|	
Standards	ANSI/ISA 12.12.01 CSA C22.2 No 142 EN 61000-6-2 CSA C22.2 No 213 UL 61010-1 EN 61131-2 EN 61000-6-4 UL 61010-2-201
Product certifications	KCC[RETURN]CE[RETURN]UL[RETURN]C-Tick[RETURN]ATEX zone 2/22[RETURN]cUL[RETURN]UKCA
Ambient air temperature for operation	0…50 °C
Ambient air temperature 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

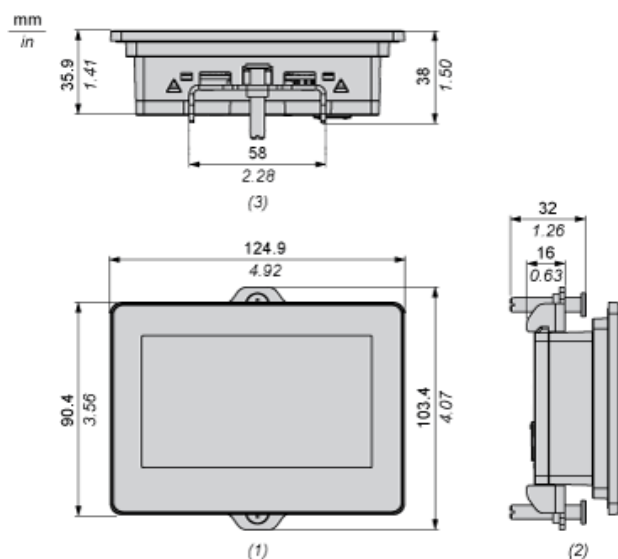|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.2 cm
Package 1 Width	7.8 cm
Package 1 Length	18.2 cm
Package 1 Weight	548.5 g

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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HMISTO705

External Dimensions

1   Front
2   Left
3   Bottom

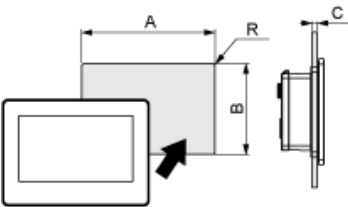## Dimensions with Installation Fasteners

1   Front
2   Left
3   Bottom

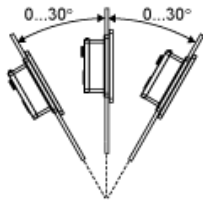## Mounting

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