Product data sheet
Characteristics

HMISTW6600
touch panel screen, Harmony ST6, 12inch wide display, 2Ethernet, USB host and device, 24V DC

Green Premium™

Main

Range of product	Harmony ST6
Product or component type	Touch panel screen
Software designation	Web interface for operator
Processor name	ARM Cortex-A8

Complementary

Display size	12 inch
Display type	Colour TFT LCD
Display colour	16 million colours
Display resolution	1280 x 800 pixels WXGA
Touch panel	Single touch analogue resistive
Backlight lifespan	50000 hours with white
Brightness	16 levels
Character font	ASCII ASCII (European characters) Katakana
[Us] rated supply voltage	24 V DC (+/- 20 %)
Inrush current	30 A
Local signalling	Status LED green, steady for offline Status LED green, steady for operating Status LED green, flashing for operating Status LED green, faded for stand-by Status LED orange, flashing for software starting up Status LED red, steady for power supply (ON) Status LED red, flashing for operating Status LED red, off for power supply (OFF)
Power consumption in W	18.4 W
Processor frequency	800 MHz
Port Ethernet	10/100BASE
Memory description	512 MB device memory 512 MB backup memory 128 kB user data memory
Integrated connection type	1 USB 2.0 type Aback 1 Ethernet - female RJ45bottom
Supply	External supply
Realtime clock	Built-in 0...50 °C Built-in 10...90 % RH
Fixing mode	By 4 screws, mounting on 1.6...5 mm thick panel conforming to UL 61010-2-201 By 4 screws conforming to IEC 61131-2 By 4 screws conforming to IEC 61000-6-2
Enclosure material	PC
Front material	Aluminium

Marking	CE
Cut-out dimensions	295 x 217 mm panel cut dimension
Height	235 mm
Width	313 mm
Depth	50 mm
Net weight	1.8 kg

Environment

| Immunity to microbreaks	10 ms
Standards	IEC 61000-6-4 IEC 61000-6-2 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201
Product certifications	CSA[RETURN]CE[RETURN]UKCA
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Ambient air temperature for operation	0…50 °C
Ambient air temperature for storage	-20…60 °C
Relative humidity	10…90 % non-condensing
Operating altitude	2000 m
IP degree of protection	IP20 (rear panel) conforming to IEC 61131-2 IP65 (front panel) conforming to IEC 61131-2
NEMA degree of protection	NEMA 4 front panel (indoor use) NEMA 13 front panel (in enclosure)
Shock resistance	147 m/s² for 11 ms (X, Y, Z directions for 3 times) conforming to IEC 61131-2
Vibration resistance	+/- 3.5 mm (f = 5…9 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) conforming to IEC 61131-2 9.8 m/s² (f = 9…150 Hz)
Electromagnetic compatibility	Electrical fast transient/burst immunity test - test level: 2 kV (power ports) conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test - test level: 1 kV (signal ports) Electrostatic discharge immunity test - test level: 6 kV (contact discharge) conforming to IEC 61000-4-2 level 3 Electrostatic discharge immunity test - test level: 8 kV (air discharge)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.95 cm
Package 1 Width	30.73 cm
Package 1 Length	40.39 cm
Package 1 Weight	2.31 kg
Unit Type of Package 2	CAR
Number of Units in Package 2	4
Package 2 Height	34 cm
Package 2 Width	41 cm
Package 2 Length	54 cm
Package 2 Weight	10.334 kg
Unit Type of Package 3	P12
Number of Units in Package 3	16
Package 3 Height	48.5 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	53.336 kg

Offer Sustainability

|	
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions

External Dimensions
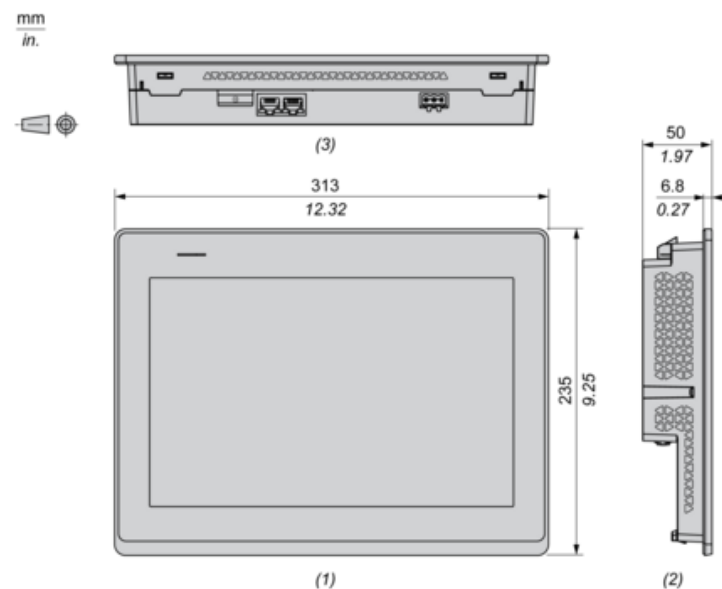
mm / in.

(1) : Front
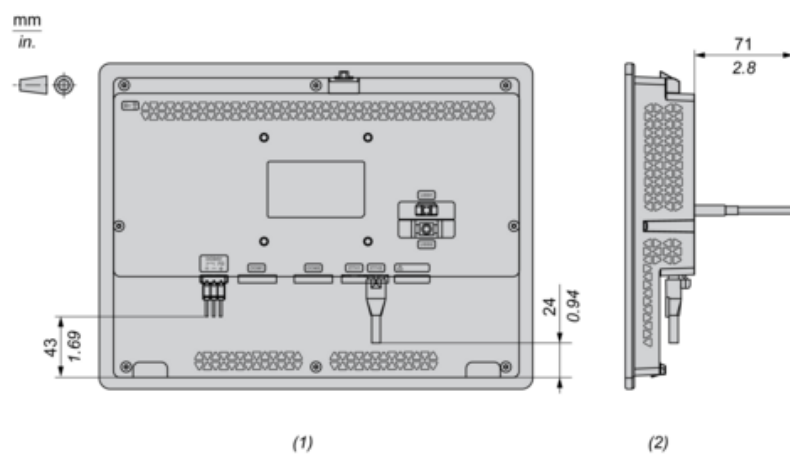(2) : Left
(3) : Bottom

Dimensions with Installation Fasteners

mm / in.

(1) : Front
(2) : Left

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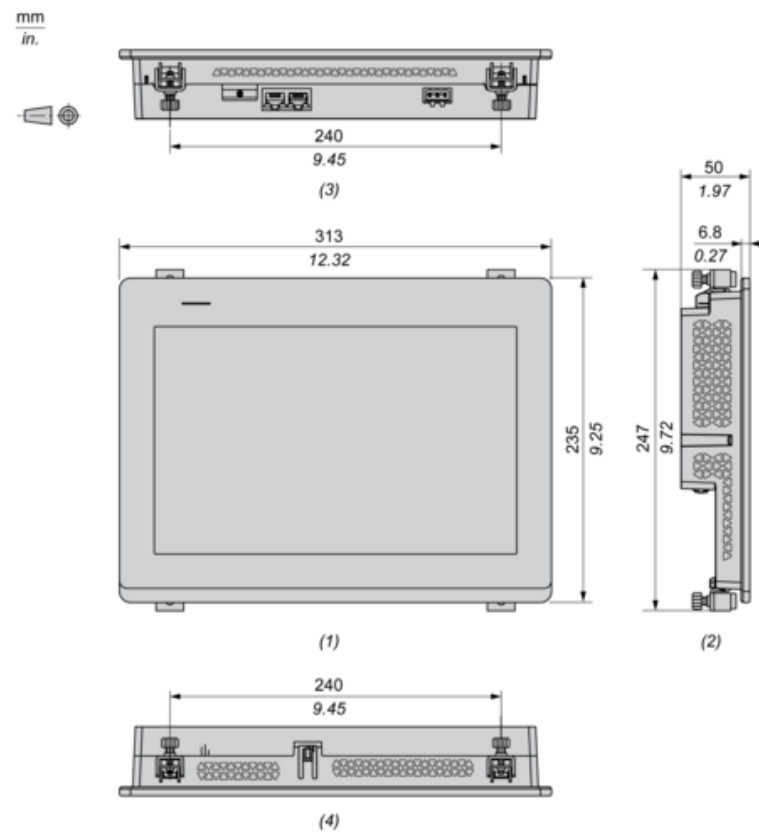
(3) : Bottom

(4) : Top

Dimensions with Cables

(1) : Rear

(2) : Right

Mounting

Panel Cut Dimensions
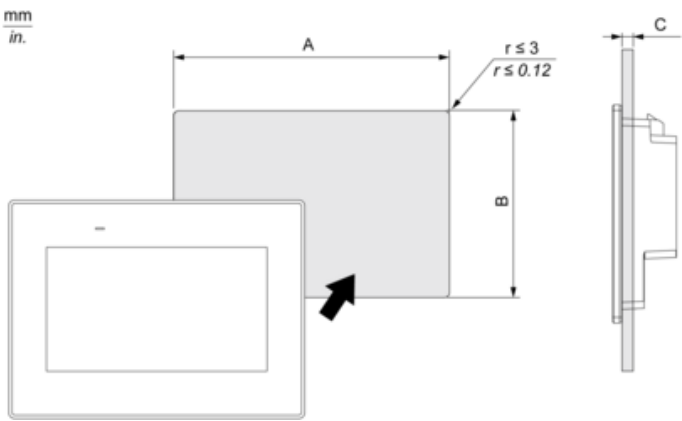
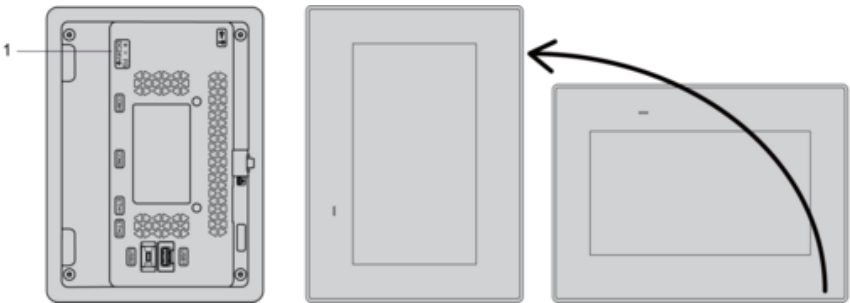| A		B		C	
mm	in.	mm	in.	mm	in.
295 (+1, -0)	11.61 (+0.04, -0)	217 (+1, -0)	8.54 (+0.04, -0)	1.6...5	0.06...0.2

Installation Requirements
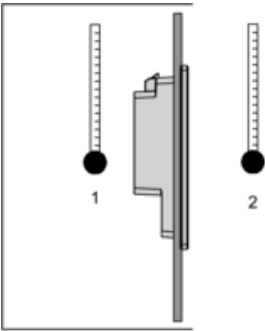
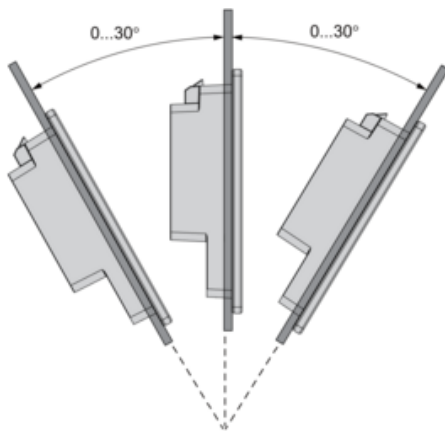1 : Internal temperature

2 : External temperature

1 : Power connector

Mounting Angle

Clearance