



## 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	4 inch
Display type	Colour TFT LCD
Display colour	16 million colours
Display resolution	480 x 272 pixels
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	6.9 W
Processor frequency	800 MHz
Port Ethernet	10/100BASE
Memory description	512 MB device memory 512 MB user data memory 128 kB backup 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 2 screws, mounting on 1.6...5 mm thick panel conforming to UL 61010-2-201 By 2 screws conforming to IEC 61131-2 By 2 screws conforming to IEC 61000-6-2
Enclosure material	PC
Front material	Aluminium
Marking	CE
Cut-out dimensions	118.5 x 92.5 mm panel cut dimension

Height	108.5 mm
Width	134.5 mm
Depth	43 mm
Net weight	0.4 kg


## Environment

Immunity to microbreaks	2 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/s <sup>2</sup> for 11 ms (X, Y, Z directions for 10 cycles (approx. 100 min)) 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/s <sup>2</sup> (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

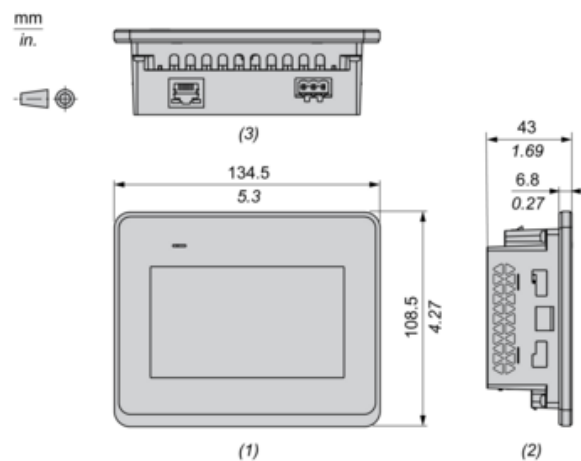
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.8 cm
Package 1 Width	18.2 cm
Package 1 Length	13.2 cm
Package 1 Weight	446.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.352 kg
Unit Type of Package 3	P12
Number of Units in Package 3	384
Package 3 Height	135.0 cm
Package 3 Width	80.0 cm
Package 3 Length	120.0 cm
Package 3 Weight	187.04 kg

## Offer Sustainability

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

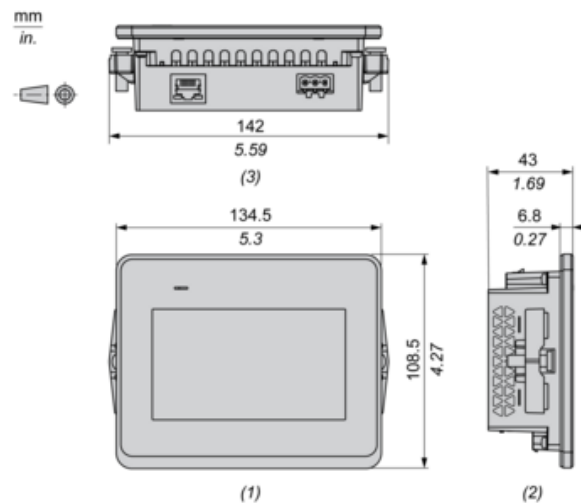
## Dimensions

### External Dimensions



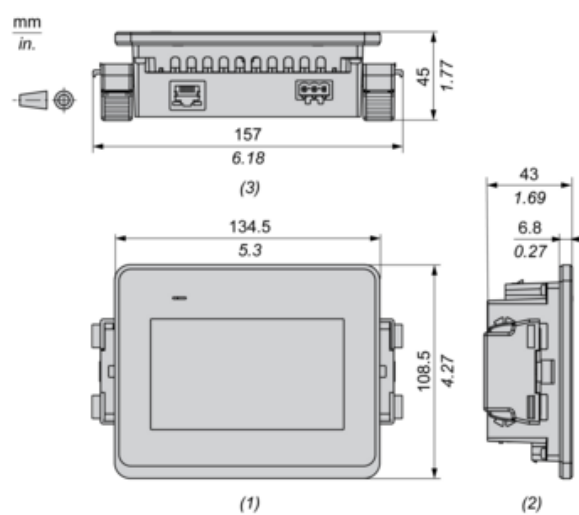
- (1) : Front  
(2) : Left  
(3) : Bottom

### Dimensions with Installation Fasteners



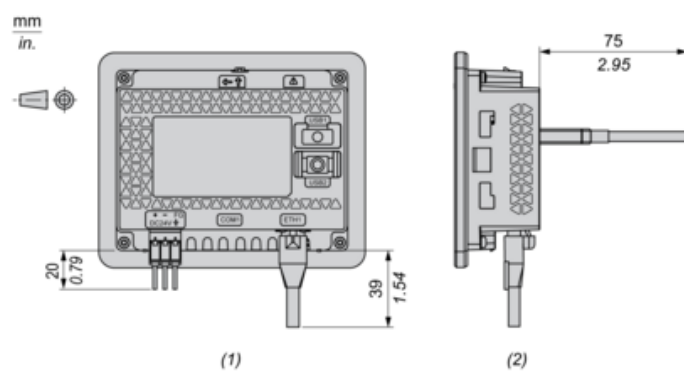
- (1) : Front  
(2) : Left  
(3) : Bottom

## Dimensions with Spring Clips



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

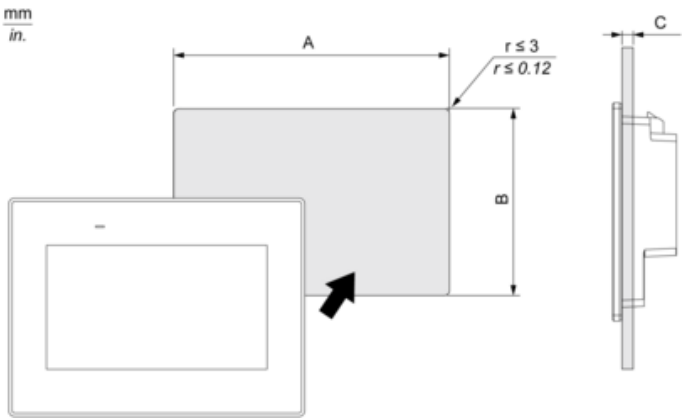
## Dimensions with Cables



- (1) : Rear
- (2) : Right

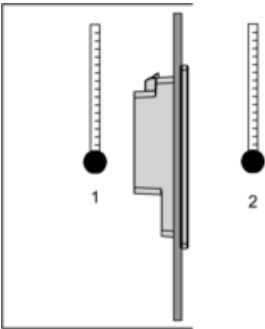
Mounting

Panel Cut Dimensions

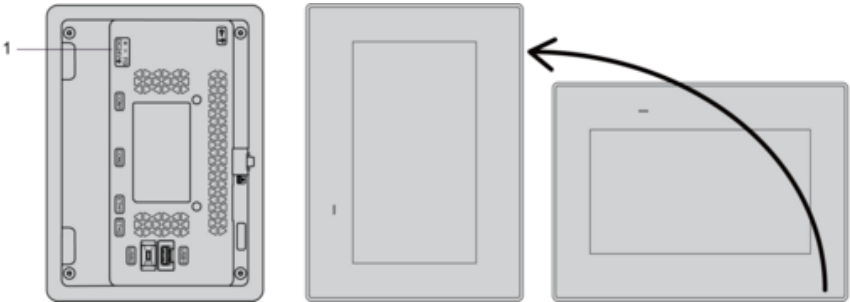


A		B		C Installing with spring			
				Position 1		Position 2	
mm	in.	mm	in.	mm	in.	mm	in.
118.5 (+1, -0)	4.67 (+0.04, -0)	92.5 (+1, -0)	3.64 (+0.04, -0)	1.5...4	0.06...0.16	4...6	0.16...0.24

Installation Requirements

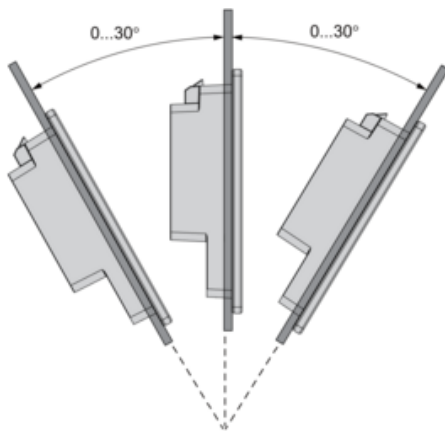


- 1 : Internal temperature  
2 : External temperature



- 1 : Power connector

## Mounting Angle



## Clearance

