HMIDT551

Advanced touchscreen panel, Harmony GTU, 10 W Touch Display WXGA

Green Premium™ Product

Main

Range of product	Harmony GTU
Product or component type	Advanced touchscreen panel
Terminal type	Touchscreen display

Complementary

Pixel resolution	1280 x 800
Touchscreen resolution	1024 x 1024
[Us] rated supply voltage	12...24 V DC power supply
Supply voltage limits	10.8…28.8 V
Power consumption in W	6.5 W
Display size	10.1 inch
Display type	Colour TFT LCD
Display resolution	1280 x 800 pixels WVGA
Display colour	262144 colors
Backlight lifespan	50000 hours
Touch panel	Single touch analogue resistive
Type of installation	Indoor installation
Type of cooling	Natural convection
Inrush current	30 A
Cut-out dimensions	255 (+ 1/- 0) x 185 (+ 1/- 0) mm
Width	268.5 mm
Height	198.5 mm
Depth	67 mm
Net weight	2.5 kg

Environment

IP degree of protection	Front panel: IP66 Front panel: IP67
NEMA degree of protection	NEMA 4X front panel
Standards	UL 508 ANSI/ISA 12-12-01 Class I division 2 CSA C22.2 No 213 CSA C22.2 No 142 IEC 61132-2
Product certifications	RCM CULus KC CE
Ambient air temperature for operation	0…60 °C conforming to EN 61131-2
Ambient air temperature for storage	-20…60 °C
Pollution degree	2

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Relative humidity	10…90 % non-condensing
Operating altitude	2000 m
Vibration resistance	3.5 mm constant amplitude (f = 5…9 Hz) conforming to EN/IEC 61131-2 9.8 m/s² (f = 9…150 Hz) conforming to EN/IEC 61131-2
Shock resistance	147 m/s² conforming to EN/IEC 61131-2
Electromagnetic compatibility	Electrostatic discharge immunity test level 3 conforming to EN/IEC 61000-4-2

Packing Units

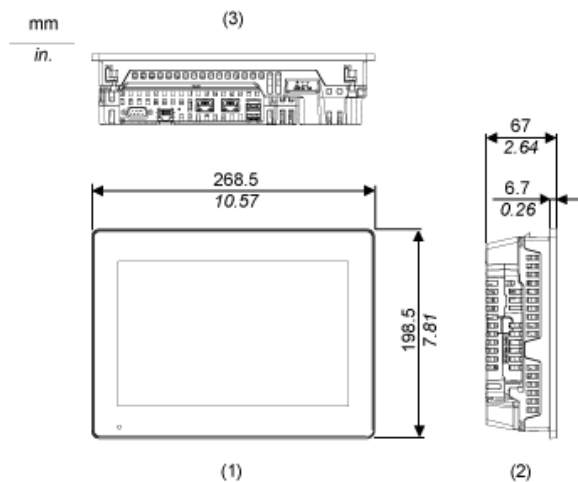|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	9.15 kg
Package 1 Height	19 cm
Package 1 width	37.5 cm
Package 1 Length	33.5 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	2
Package 2 Weight	9.092 kg
Package 2 Height	35.5 cm
Package 2 width	42 cm
Package 2 Length	45.5 cm
Unit Type of Package 3	P12
Number of Units in Package 3	20
Package 3 Weight	80.92 kg
Package 3 Height	100 cm
Package 3 width	80 cm
Package 3 Length	120 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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

Contractual warranty

Warranty	18 months

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External Dimensions

Display Unit with Box Module

mm / in.

(3)

268.5 / 10.57

198.5 / 7.81

67 / 2.64

6.7 / 0.26

(1)   (2)

1   Front
2   Left
3   Bottom

Installation with Installation Fasteners and Dimensions with Cables

mm / in.

(4)

4.5 / 0.18

226 / 8.90

8 (A) / 0.31

109 / 4.29
28 / 1.10
21 / 0.83

178 (B) / 7.01

13 / 0.51
16 / 0.63
17 / 0.67
72 / 2.83
44 / 1.73

51 / 2.01
78 / 3.07

(1)   (2)   (3)

226 / 8.90

(5)
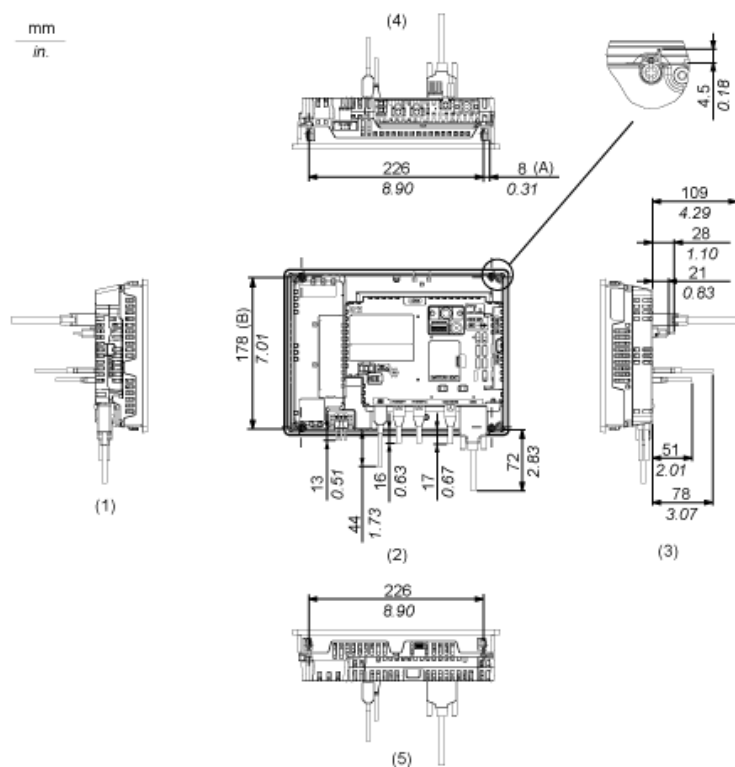
(A)   Rotation area of the fastener
(B)   Pitch of the center of installation fastner screws
1   Right
2   Front
3   Left
4   Bottom
5   Top
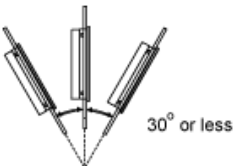
Mounting

Panel Cut Dimensions
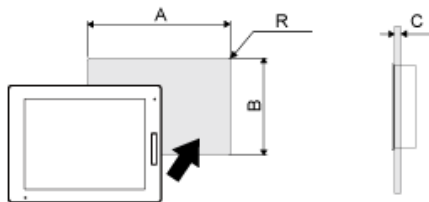
Dimensions in mm

A	B	C	R
255 (+1/-0)	185 (+1/-0)	1.6...5	3 max.

Dimensions in in.

A	B	C	R
10.04 (+0.04/-0)	7.28 (+0.04/-0)	0.06...0.2	0.12 max.

Installation Requirements

Mounting Angle

30° or less

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

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