Product data sheet

Specifications

Flat screen, Harmony GTU, 12.1 Touch Smart Display XGA, coated display

HMIDT642FC

Main

Range Of Product	Harmony GTU
Product Or Component Type	Flat screen
Terminal Type	Touchscreen display
[Us] Rated Supply Voltage	12...24 V DC power supply
Supply Voltage Limits	10.8…28.8 V
Power Consumption In W	21 W
Inrush Current	30 A

Complementary

Integrated Connection Type	USB 2.0 type A
Touchscreen Resolution	1024 x 1024
Pixel Resolution	1024 x 600
Display Size	12.1 inch
Aspect Ratio	4:3
Display Type	Colour TFT LCD
Display Resolution	1024 x 768 pixels XGA
Display Colour	16 million colours
Backlight Lifespan	50000 hours
Touch Panel	Multi touch analogue resistive
Provided Equipment	1 flash card
Function Available	Brightness sensor
Type Of Cooling	Natural convection
Type Of Installation	Indoor installation
Cut-Out Dimensions	301.5 (+ 1/- 0) x 227.5 (+ 1/- 0) mm
Width	315 mm
Height	241 mm
Depth	67 mm
Net Weight	3 kg

Environment

Ip Degree Of Protection	Front panel: IP66

Nema Degree Of Protection	NEMA 4X front panel
Standards	UL 508
Product Certifications	CE UKCA UKEX
Ambient Air Temperature For Operation	0…60 °C conforming to EN 61131-2
Ambient Air Temperature For Storage	-20…60 °C
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
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 Height	19.0 cm
Package 1 Width	33.0 cm
Package 1 Length	43.0 cm
Package 1 Weight	4.0 kg
Unit Type Of Package 2	CAR
Number Of Units In Package 2	2
Package 2 Height	43.0 cm
Package 2 Width	35.5 cm
Package 2 Length	45.5 cm
Package 2 Weight	9.9 kg

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Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency   RoHS/REACh

Well-being performance

✓ Mercury Free

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✓ Rohs Exemption Information   Yes

Certifications & Standards

Reach Regulation   REACh Declaration

Eu Rohs Directive   Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation   China RoHS declaration

Environmental Disclosure   Product Environmental Profile

Circularity Profile   End of Life Information

California Proposition 65   WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
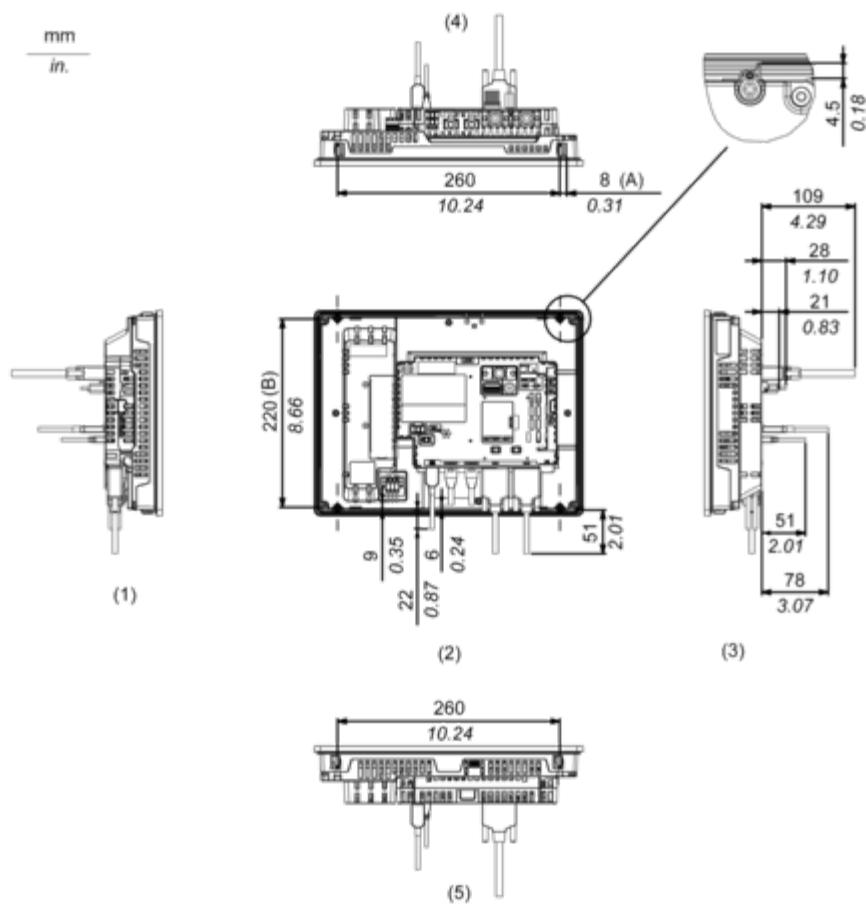
Dimensions Drawings

External Dimensions

Display Unit with Box Module
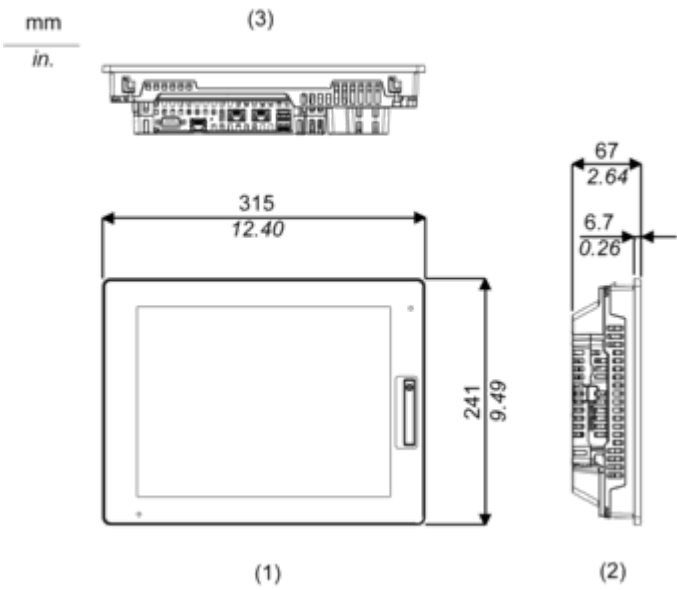
1 Front
2 Left
3 Bottom

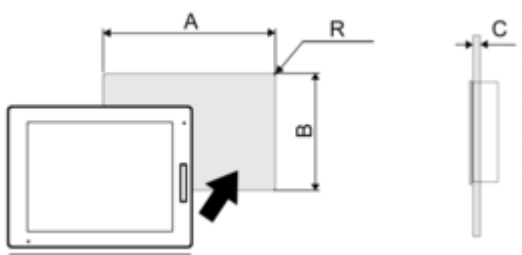**Installation with Installation Fasteners and Dimensions with Cables**

mm
in.

(4)

260
10.24

8 (A)
0.31

4.5
0.18

109
4.29

28
1.10

21
0.83

220 (B)
8.66

(1)

9
0.35

22
0.87

6
0.24

51
2.01

51
2.01

78
3.07

(2)

(3)

260
10.24

(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 and Clearance

Mounting

Panel Cut Dimensions

Dimensions in mm

A	B	C	R
301.5 (+1/-0)	227.5 (+1/-0)	1.6...5	3 max.

Dimensions in in.

A	B	C	R
11.87 (+0.04/-0)	8.96 (+0.04/-0)	0.06...0.2	0.12 max.

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Installation Requirements

Mounting Angle
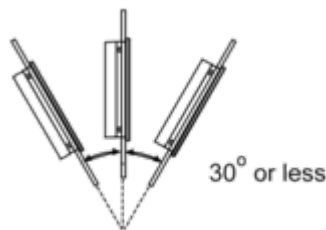
30° or less

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