Product data sheet

advanced touchscreen panel, Harmony GTO, 320 x 240pixels QVGA, 3.5inch TFT, 64MB

HMIGTO1300

Main

Range of product	Harmony GTO
Product or component type	Advanced touchscreen panel
Display colour	65536 colours
Display size	3.5 inch
Supply	External source
Control button type	6 operation defined using Vijeo Designer push-button key F1...F6
Operating system	Harmony
Battery type	Lithium battery for internal RAM, autonomy: 100 days, charging time = 5 day(s), battery life = 10 year(s)

Complementary

Terminal type	Touchscreen display
Display type	Backlit colour TFT LCD
Display resolution	320 x 240 pixels QVGA
Touch sensitive zone	1024 x 1024
Touch panel	Resistive film, 1000000 cycles
Backlight lifespan	50000 hours white at 25 °C
Brightness	16 levels - control by touch panel 16 levels - control by software
Character font	Chinese (simplified Chinese) ASCII (European characters) Japanese (ANK, Kanji) Korean Taiwanese (traditional Chinese)
[Us] rated supply voltage	24 V DC
Supply voltage limits	19.2…28.8 V
Inrush current	30 A
Maximum power consumption in W	5.2 W when power is not supplied to external devices 4.2 W when backlight is OFF 4.3 W when backlight is dimmed 9.6 W
Local signalling	Status LED green, steady for offline Status LED green, steady for operating Status LED orange, flashing for software starting up Status LED red, steady for power supply (ON) Status LED clear, faded for power supply (OFF)
Software designation	Vijeo Designer configuration software >= V6.1
Memory description	Flash EPROM, 64 MB

Data backed up	128 kB internal RAM (SRAM)
Downloadable protocols	Schneider Electric Modicon Modbus Schneider Electric Modicon Uni-TE Schneider Electric Modicon Modbus Plus Schneider Electric Modicon FIPWAY Mitsubishi Melsec third party protocols Omron Sysmac third party protocols Rockwell Automation Allen-Bradley third party protocols Siemens Simatic third party protocols
Integrated connection type	COM1 serial link SUB-D 9, interface: RS232C, transmission rate: 2400...115200 bps COM2 serial link RJ45, interface: RS485, transmission rate: 2400...115200 bps COM2 serial link RJ45, interface: RS485, transmission rate: 187.5 kbps compatible with Siemens MPI USB 2.0 type A USB 2.0 type mini B
Product mounting	Flush mounting
Fixing mode	By 4 screw clamps
Front material	PPT
Enclosure material	PPT
Type of cooling	Natural convection
Width	132 mm
Height	106 mm
Depth	42 mm
Net weight	0.4 kg

Environment

Standards	UL 508 IEC 61131-2 IEC 61000-6-2
Product certifications	C-Tick cULus CE KCC UKCA UKEX
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	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529
NEMA degree of protection	NEMA 4X front panel (indoor use)
Shock resistance	147 m/s² 3 chocks in each direction X, Y and Z conforming to IEC 61131-2
Vibration resistance	9.8 m/s² (f = 9…150 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - conforming to IEC 61131-2 3.5 mm (f = 5…9 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - conforming to IEC 61131-2
Resistance to electrostatic discharge	6 kV contact discharge conforming to IEC 61000-4-2 level 3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

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Package 1 Height	12.500 cm
Package 1 Width	18.500 cm
Package 1 Length	21.000 cm
Package 1 Weight	669.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.555 kg

Contractual warranty

Warranty	18 months

🌀 Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained ›

How we assess product sustainability ›

🍃 Environmental footprint

Total lifecycle Carbon footprint	**440**
Environmental Disclosure	**Product Environmental Profile**

Use Better

🍃 Materials and Substances

F-gas free	**Only air and vacuum used for insulation / breaking, no F-gas including SF6**
Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
SCIP Number	**1dccf83b-8f76-4cf8-81ea-6c1f56fecaf9**
REACh Regulation	**REACh Declaration**
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**
Halogen-free status	**Product contains halogen above thresholds**
PVC free	**No**
Silicone-free	**No**

Use Again

↻ Repack and remanufacture

End of life manual availability	**End of Life Information**
Removable battery	**User replaceable**
Take-back	**No**
WEEE Label	🗑 **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

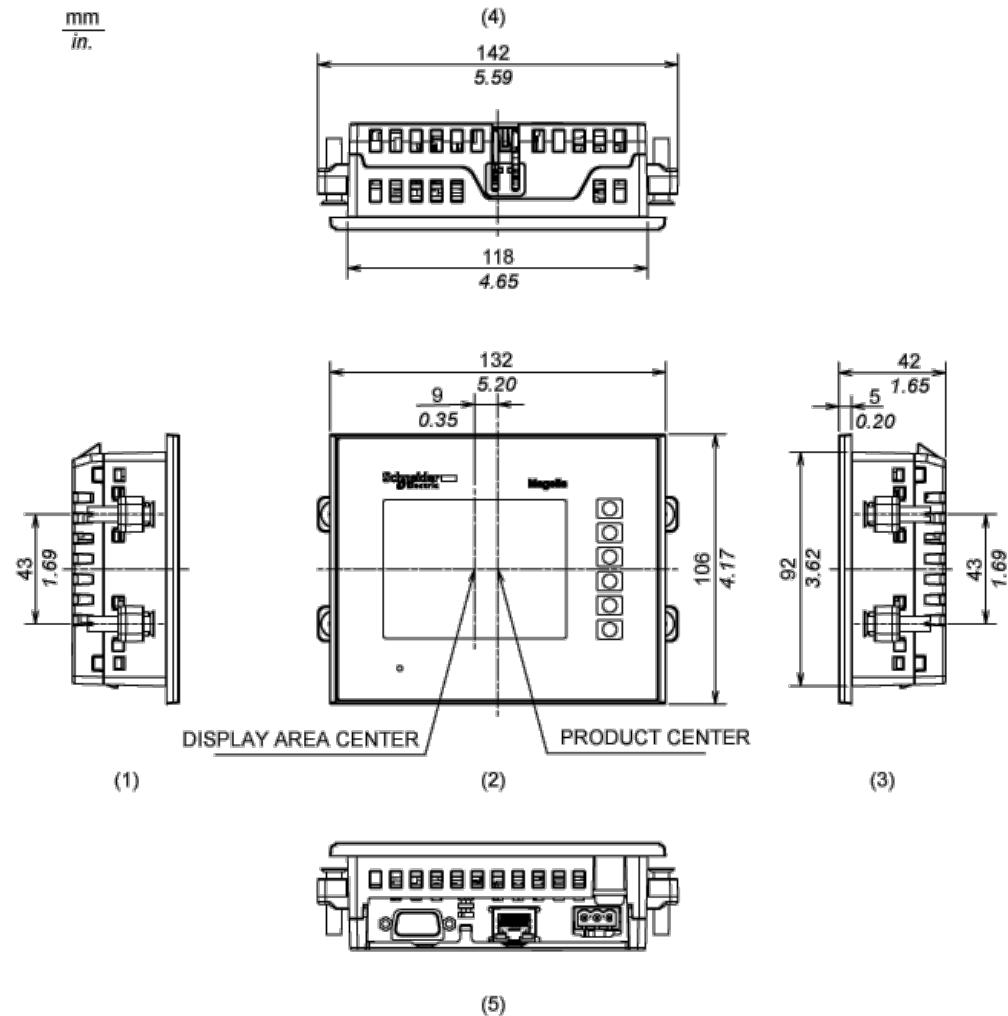Dimensions Drawings

Dimensions

External Dimensions
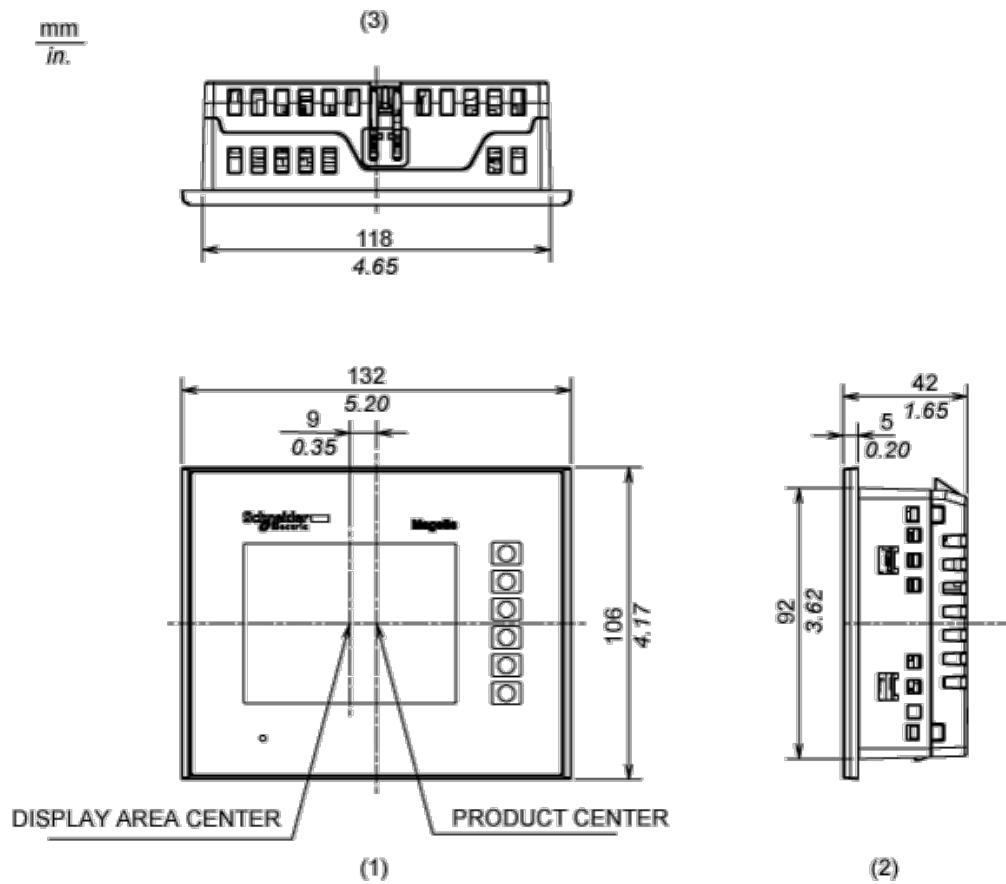
1   Front

2   Right Side

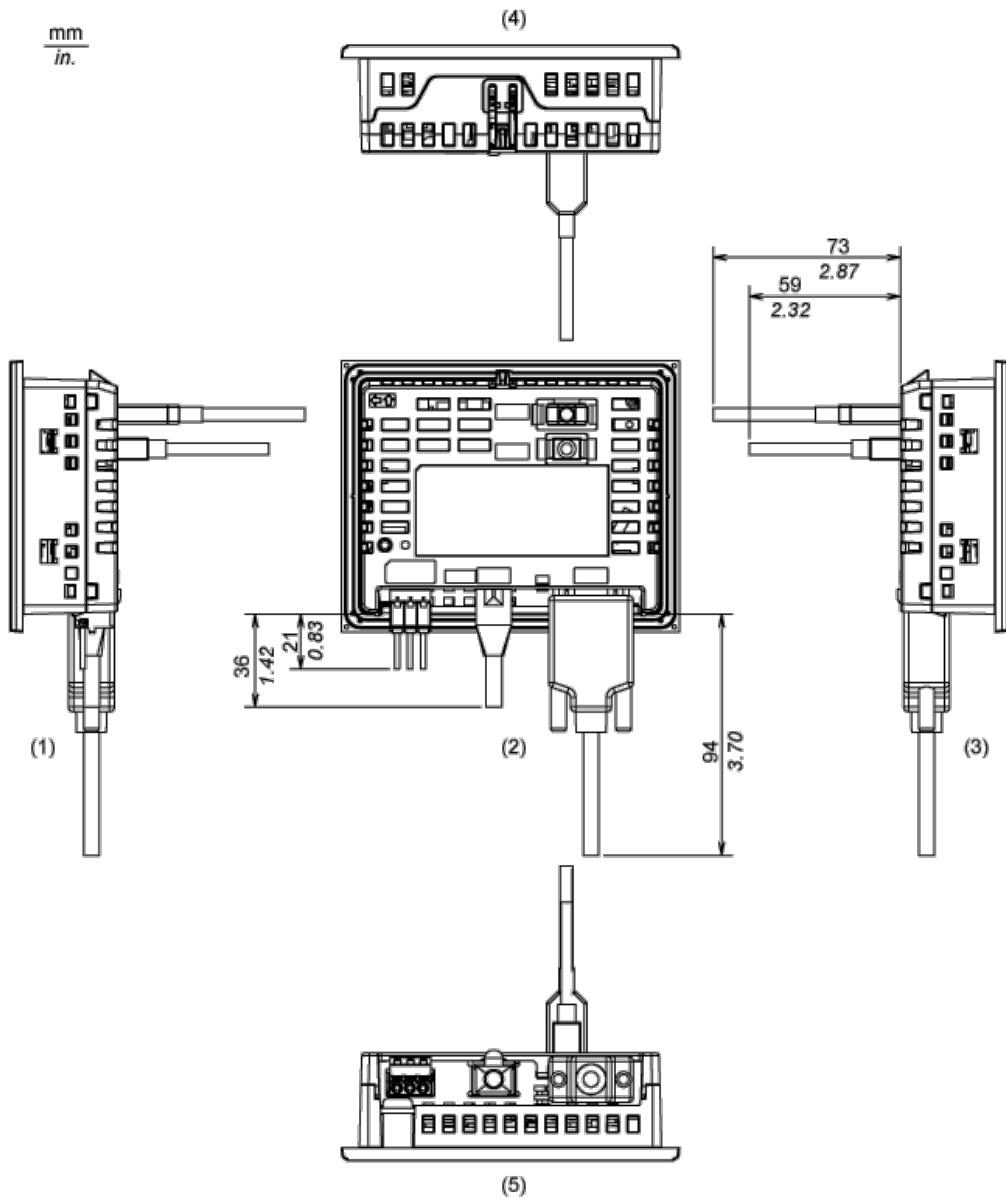3   Top

Installation with Installation Fasteners

$\dfrac{mm}{in.}$

(4)

142
5.59

118
4.65

132
5.20

9
0.35

106
4.17

42
1.65

5
0.20

92
3.62

43
1.69

43
1.69

DISPLAY AREA CENTER   PRODUCT CENTER

(1)   (2)   (3)

(5)

1   Left Side

2   Front

3   Right Side

4   Top

5   Bottom

Dimensions with Cables

mm
in.

(4)

(1)

(2)

(3)

73
2.87
59
2.32

36
1.42
21
0.83

94
3.70

(5)

1   Left Side

2   Rear

3   Right Side

4   Top

5   Bottom

Mounting and Clearance

Mounting

Panel Cut Dimensions
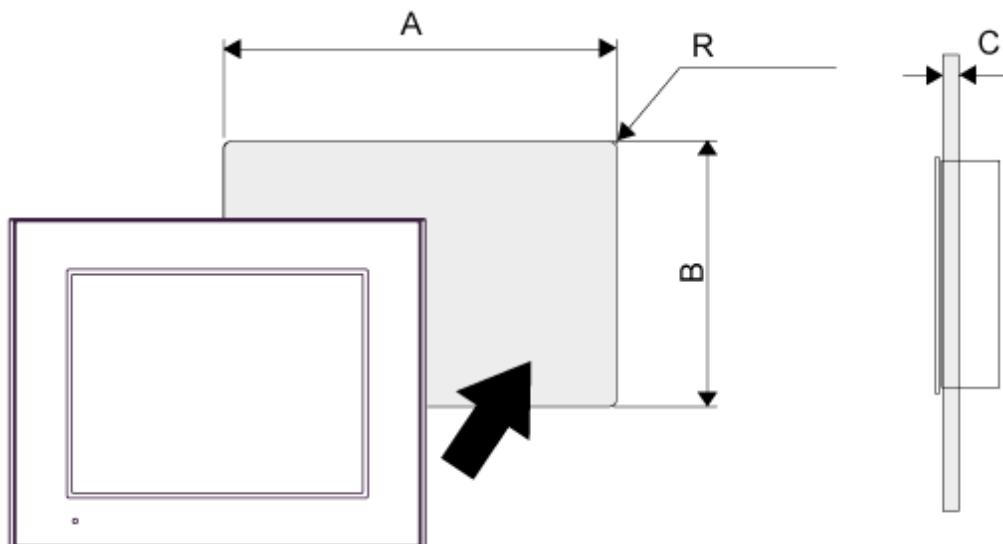
A		B		C		R	
mm	in.	mm	in.	mm	in.	mm	in.
118.5 (+1, -0)	4.67 (+0.04, -0)	92.5 (+1, -0)	3.64 (+0.04, -0)	1.6...5	0.06...0.2	3 max.	0.12 max.

Installation Fastener Dimensions

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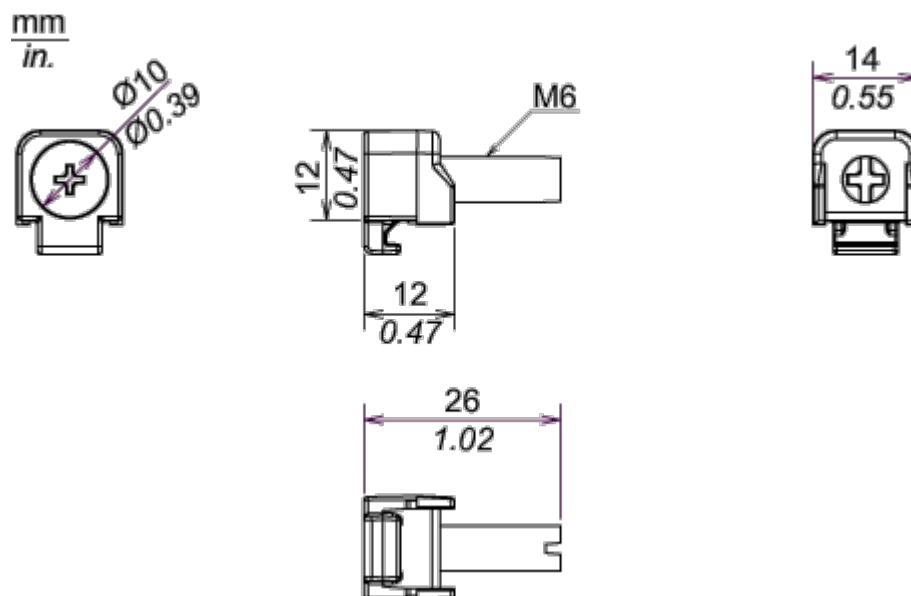
Installation Requirements

Mounting Angle
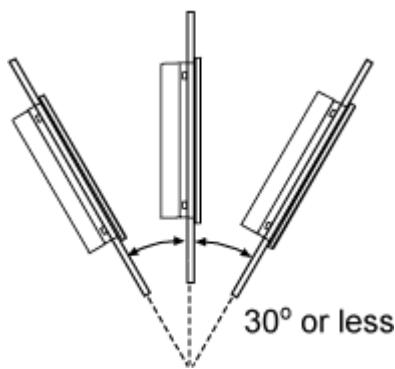
30° or less

When installing the panel 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