HMIGTO3510
advanced touchscreen panel 800 x 480 pixels WVGA- 7.0" TFT - 96 MB

Main

Range of product	Magelis GTO
Product or component type	Advanced touchscreen panel
Display colour	65536 colours
Display size	7 inch
Supply	External source
Control button type	Pushbutton, key type , marking: F1...F8, number of function keys = 8 (operation defined using Vijeo Designer)
Battery type	Lithium battery for internal RAM, autonomy: 100 days, charging time = 5 d, battery life = 10 yr

Complementary

|	
Terminal type	Touchscreen display
Display type	Backlit colour TFT LCD
Display resolution	800 x 480 pixels WVGA
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 software 16 levels - control by touch panel
Character font	ASCII Chinese (simplified Chinese) 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
Power consumption in W	<= 5.5 W (when backlight is dimmed) <= 5 W (when backlight is OFF) <= 8 W (when power is not supplied to external devices) <= 12 W
Local signalling	SD card LED (green)faded card is not inserted or is not being accessed SD card LED (green)steady card is inserted COM2 LED (yellow)faded no data transmission COM2 LED (yellow)steady data is being transmitted Status LED (clear)faded power supply (OFF) Status LED (red)steady power supply (ON) Status LED (orange)flashing software starting up Status LED (green)steady operating Status LED (green)steady offline
Software designation	Vijeo Designer configuration software >= V6.1
Memory description	64 MB flash (EPROM)
Data backed up	128 kB internal RAM (SRAM)
Data storage equipment	SDHC card <= 32 GB SD card <= 32 GB

Downloadable protocols	Modbus TCP Schneider Electric Modicon
	Third party protocols Siemens Simatic
	Third party protocols Rockwell Automation Allen-Bradley
	Third party protocols Omron Sysmac
	Third party protocols Mitsubishi Melsec
	FIPWAY Schneider Electric Modicon
	Modbus Plus Schneider Electric Modicon
	Uni-TE Schneider Electric Modicon
	Modbus Schneider Electric Modicon
Integrated connection type	Ethernet RJ45, interface: IEEE 802.3
	Ethernet RJ45, interface: 10BASE-T/100BASE-TX
	USB 2.0 port mini B USB
	USB 2.0 port USB type A
	COM2 serial link RJ45, interface: RS485, transmission rate: 187.5 kbps compatible with Siemens MPI
	COM2 serial link RJ45, interface: RS485, transmission rate: 2400...115200 bps
	COM1 serial link SUB-D 9, interface: RS232C, transmission rate: 2400...115200 bps
Product mounting	Flush mounting
Fixing mode	By 4 screw clamps
Front material	PPT
Enclosure material	PPT
Type of cooling	Natural convection
Width	218 mm
Height	173 mm
Depth	60 mm
Product weight	1.2 kg

Environment

| Standards	EN 61131-2
	IEC 61000-6-2
	UL 508
Product certifications	CE
	C-Tick
	CULus
	KCC
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	IP65 front panel conforming to IEC 60529
	IP20 rear panel conforming to IEC 60529
NEMA degree of protection	NEMA 4X front panel (indoor use)
Shock resistance	147 m/s² 3 chocs in each direction X, Y and Z conforming to EN/IEC 61131-2
Vibration resistance	1 gn (f = 9...150 Hz) conforming to EN/IEC 61131-2 X, Y, Z directions for 10 cycles (approx. 100 min)
	3.5 mm (f = 5...9 Hz) conforming to EN/IEC 61131-2 X, Y, Z directions for 10 cycles (approx. 100 min)
Resistance to electrostatic discharge	6 kV contact discharge conforming to IEC 61000-4-2 level 3

Schneider Electric

HMIGTO3510

Dimensions

External Dimensions
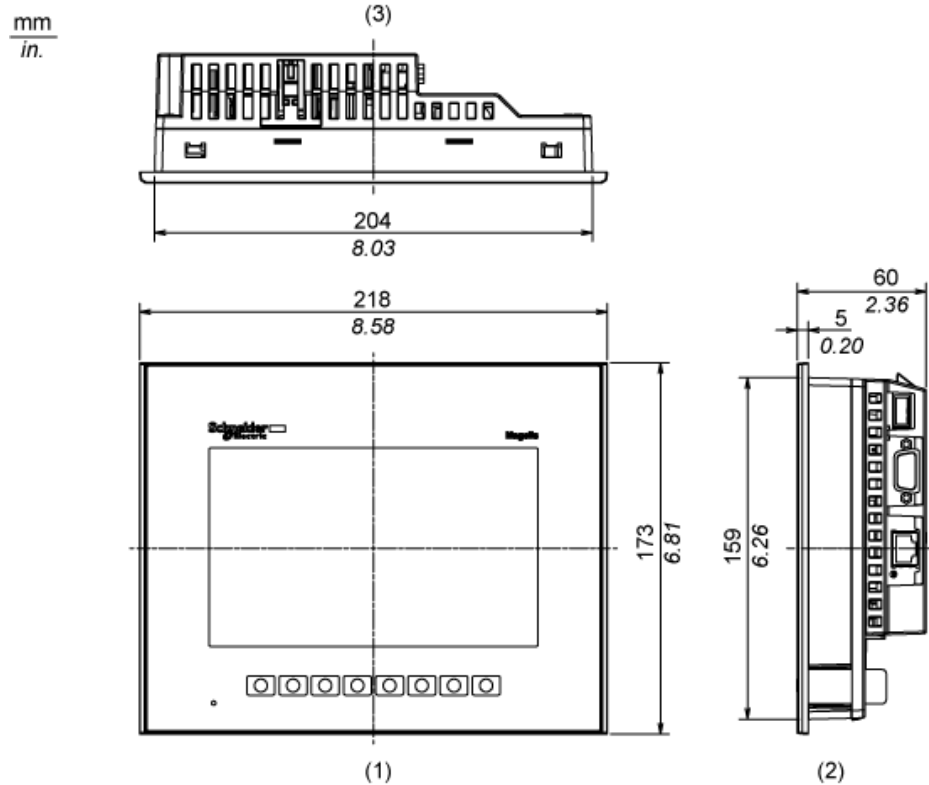
1   Front
2   Right Side
3   Top
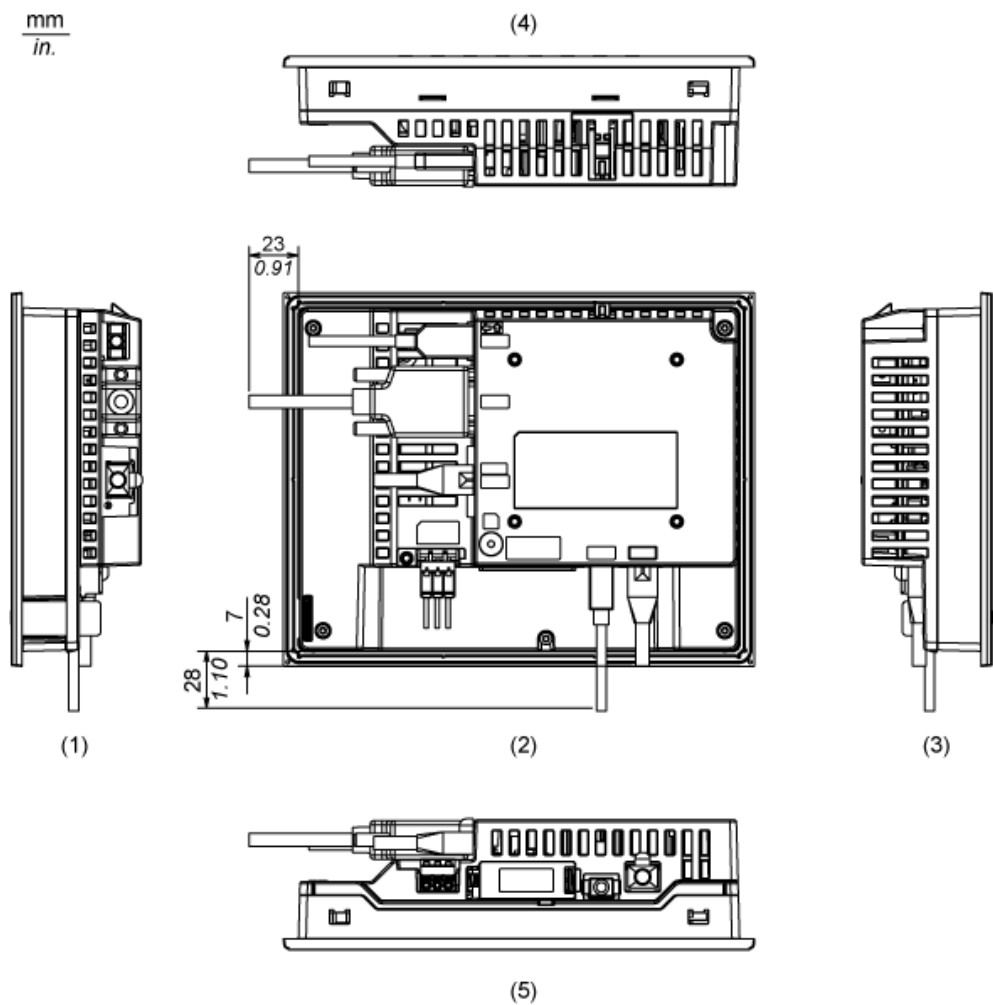
Installation with Installation Fasteners
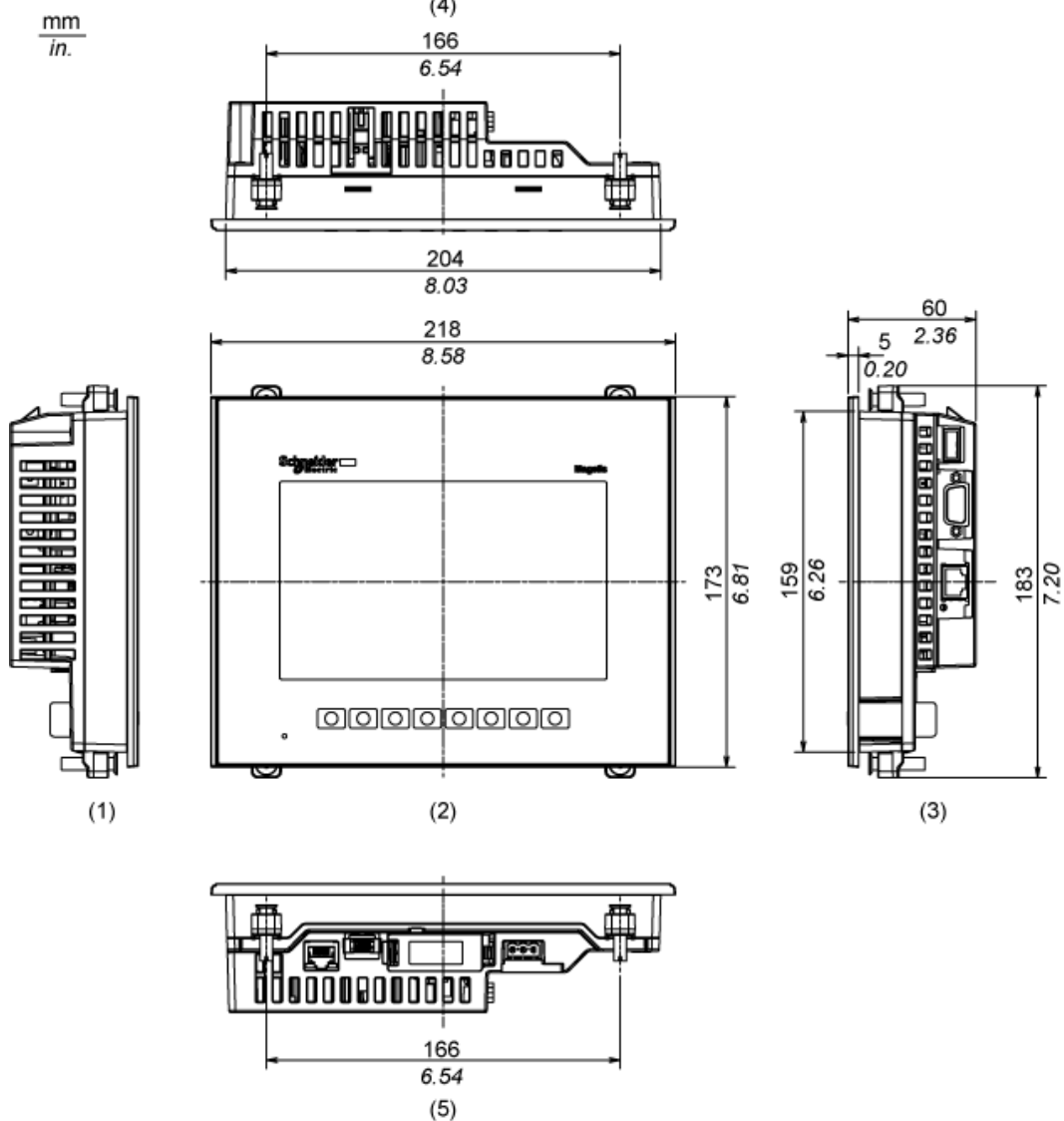
1   Left Side
2   Front
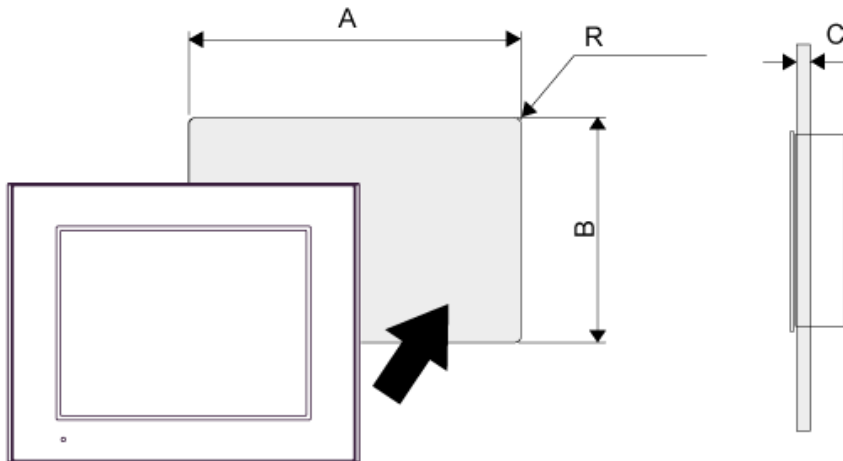3   Right Side
4   Top
5   Bottom

Dimensions with Cables

$\dfrac{\text{mm}}{\text{in.}}$

(4)

(1)

23
0.91

(2)

7
0.28

28
1.10

(3)

(5)

1   Left Side
2   Rear
3   Right Side
4   Top
5   Bottom

Mounting

Panel Cut Dimensions

A		C		R			
mm	in.	mm	in.	mm	in.	mm	in.
204.5 (+1, -0)	8.05 (+0.04, -0)	159.5 (+1, -0)	6.28 (+0.04, -0)	1.6...5	0.06...0.2	3 max.	0.12 max.

Installation Fastener Dimensions
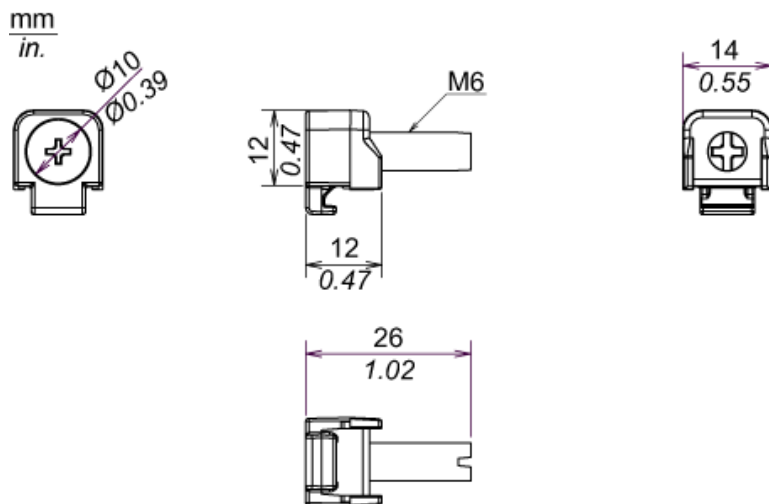
Installation Requirements

Mounting Angle

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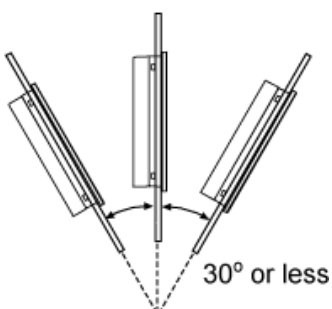
When installing the panel in a slanted position with an incline more than 30°, the ambient temperature must not exceed 40 °C (104 °F). You may need to use forced air cooling (fan,A/C) to ensure the ambient operating temperature is 40°C or less (104 °F or less).

Clearance

$\dfrac{mm}{in.}$

100 | 3.94
100 | 3.94
100 | 3.94
100 | 3.94
100 | 3.94
100 | 3.94