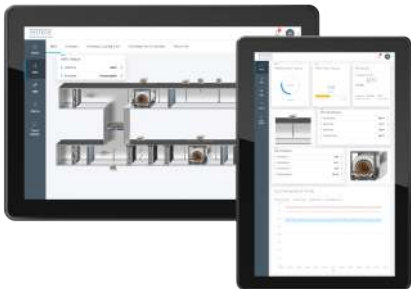


HORYZON-C

IP-based capacitive multi-touch
color displays



HORYZON

Overview

The HORYZON-C IP-based capacitive multi-touch color display is an ideal user interface for a wide range of HVAC, lighting, and sunblind applications.

From mechanical rooms to occupant interface, the HORYZON-C leverages a pre-loaded visual interface for simplified commissioning, operations and troubleshooting, or deliver a fully customized user experience with ENVYISION web pages.

Features & Benefits

- New generation, sleek design featuring capacitive screen with multi-touch gesture support (such as pinch-to-zoom), and dynamic screen brightness based on environment light level.
- All-in-one device to view and access all comfort parameters controlled in a space (HVAC, lighting and sunblinds).
- Onsite application servicing and commissioning. Preloaded with a visual interface (*myDC* Control app) enabling out-of-the-box monitoring and access to internal data of ECLYPSE™ series controllers, and of ECB BACnet® and ECL LONWORKS® series controllers integrated via EC-Net™. HORYZON-C supports multiple device monitoring.
- Customizable user experience with ENVYISION. Deliver a fully customized user experience for facility managers and occupants, by developing and displaying ENVYISION web pages.
- PDF display: XpressENVYISION allows for PDFs to be displayed, handy for reading important documentation directly from the HORYZON-C.
- Real-time notification of alarms. Configure acoustic or visual triggers, integrated buzzer and customizable digital output control for instant notification of alarms, allowing managers to take corrective actions faster.
- Optimal performance. IP-based for increased speed, featuring quad-core processor and advanced graphics accelerator, as well as embedded Android OS, future-proofing devices for support of additional applications.
- Flexible installation and available in two sizes, with wall or panel mounting kits, and features auto-rotate display for vertical or horizontal installation.

Model Selection

Example: HORYZON-C7

Series	Display Size
HORYZON-C	7: 7" capacitive multi-touch color display
	10: 10.1" capacitive multi-touch color display

Accessories

HORYZON-C7 In-Wall Mounting Kit	Low profile metal mounting box for the HORYZON-C7 display
HORYZON-C10 In-Wall Mounting Kit	Low profile metal mounting box for the HORYZON-C10 display
HORYZON Power Adapter	100-240 VAC, multi-prong, universal wall adapter for the HORYZON Series displays. US, European, UK and Australian plugs included.

Product Specifications

Power Supply Input

Voltage	24 VAC/DC; ±15%; Class 2
Power Consumption	C7: 13W C10: 15W
Power Supply	C7: DC power supply: 16 W AC power supply: 21 VA C10: DC power supply: 18 W AC power supply: 24 VA

Operator Interface

Type	TFT LCD capacitive touchscreen
Resolution	C7: 1024 x 600 WSVGA C10: 1280 x 800 WXGA
Active display area	C7: 154 x 86 mm (6.06 x 3.39") C10: 217 x 136 mm (8.54 x 5.34")
Colors	16.7 M
Backlight	LED
LED Lifetime	15000 hours (before 50% degradation in original brightness)
Brightness	350 Cd/m2
Dimming	Adaptive brightness, software configurable

Hardware

Processor	Intel® Atom™ x5-Z8350 Processor (2M Cache) CPU with 64-bit architecture; Quad Core
CPU speed	1.44 GHz up to 1.92 GHz
Graphics	Intel® HD 400 Graphics, 12 EU GEN 8, up to 500 MHz
Memory	2 GB DDR3L-1600 32 GB eMMC (storage)
Supported APIs	DX*11.1/12, Open GL*4.2, Open CL*1.2 OGL ES3.0, H.264, HEVC (decode), VP8
Real Time Clock (RTC)	Yes

Communications

Communication ports	1 × RJ-45 Ethernet port 4 × USB 2.0 ports
Ethernet Connection Speed	10/100/1000 Mbps

Software

Operating system	Android Nougat 7.0
Connectivity requirements	ECLYPSE Controller or EC-Net

Digital Outputs (On/Off)

Type	Dry contact
Rating	24 VAC/DC Class 2; 2.5A max

Sound Output

Type	Buzzer
Decibel rating	See Figure 1

Mechanical

Dimensions	C7: 190 x 126 x 44 mm (7.48 x 4.94 x 1.70") – see Figure 2 C10: 254 x 175 x 44 mm (9.98 x 6.87 x 1.7") – see Figure 3
Shipping weight	C7: 1.5 kg (2.20lbs) C10: 2.2 kg (4.41 lbs)
Material	Aluminum
Mounting	Electrical panel mounting kit: Included In-wall mounting kit: Optional
Optional in-wall mounting kits dimensions	C7: 182.5 x 119.5 x 50 mm (7.19 x 4.70 x 1.97") see Figure 4 C10: 246 x 166.7 x 50 mm (9.69 x 6.56 x 1.70") see Figure 5

Environmental

Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Relative Humidity	0 to 90% Non-condensing
Ingress Protection Rating	IP20 if in-wall mounted, IP65 if panel-mounted

Standards and Regulations

CE - Emission EN61000-6-3: 2007; A1:2011

CE - Immunity EN61000-6-1: 2007

UL Listed (CDN & US) UL916 Energy management equipment

FCC FCC rules part 15, subpart B, class B

RoHS All materials and manufacturing processes comply with the RoHS directive.

WEEE All products are marked according to the Waste Electrical and Electronic Equipment (WEEE) directive.



Decibel Rating Diagram

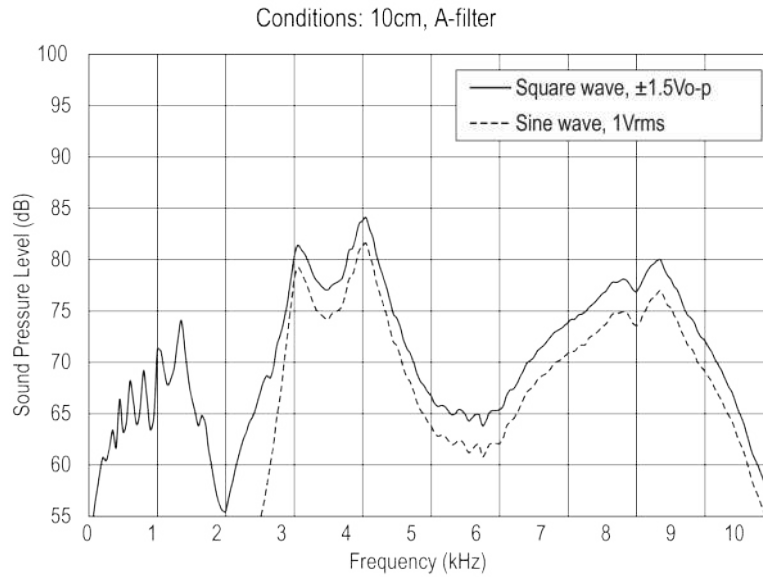


Figure 1: Decibel rating diagram

Dimensions

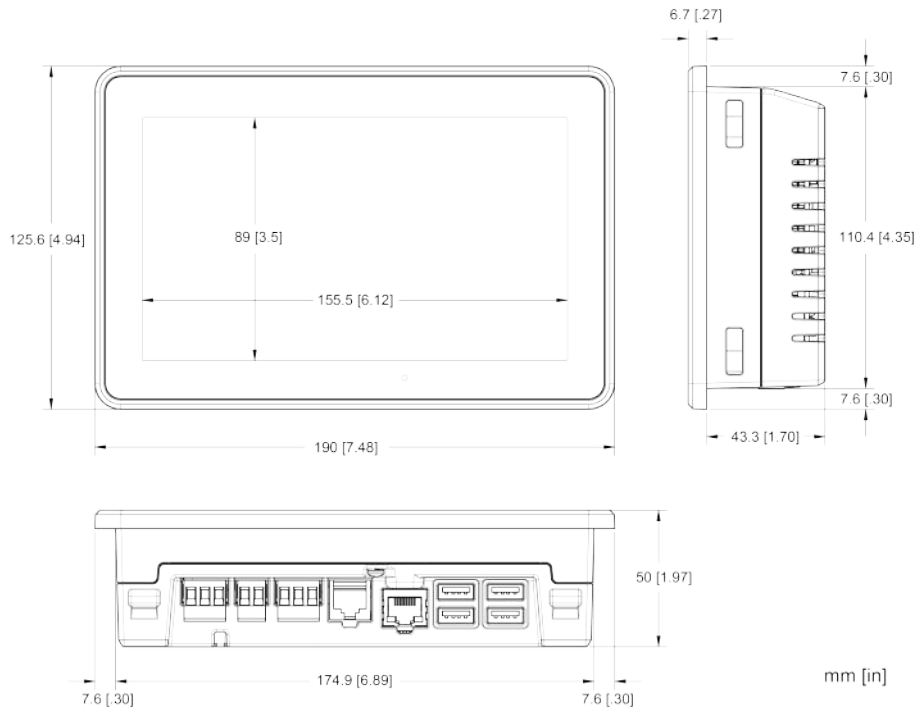


Figure 2: HORIZON-C7 dimensions

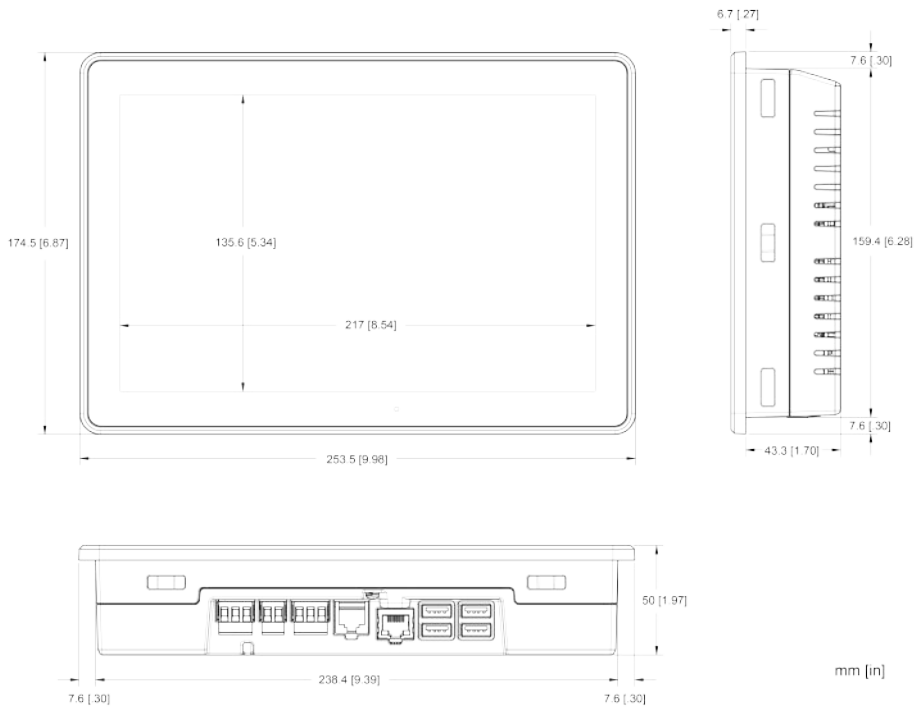


Figure 3: HORIZON-C10 dimensions

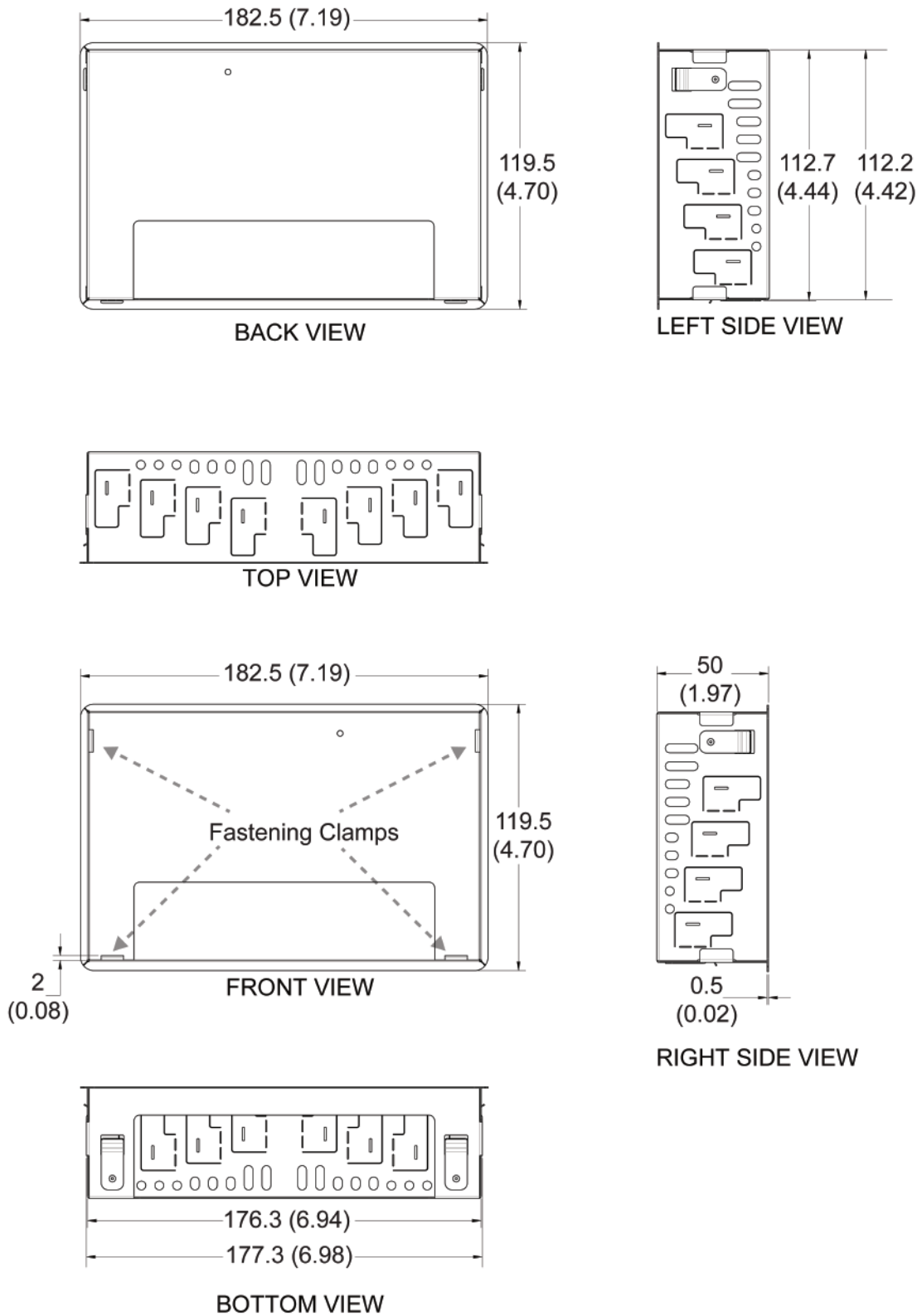


Figure 4: HORYZON-C7 Wall Mounting Kit dimensions

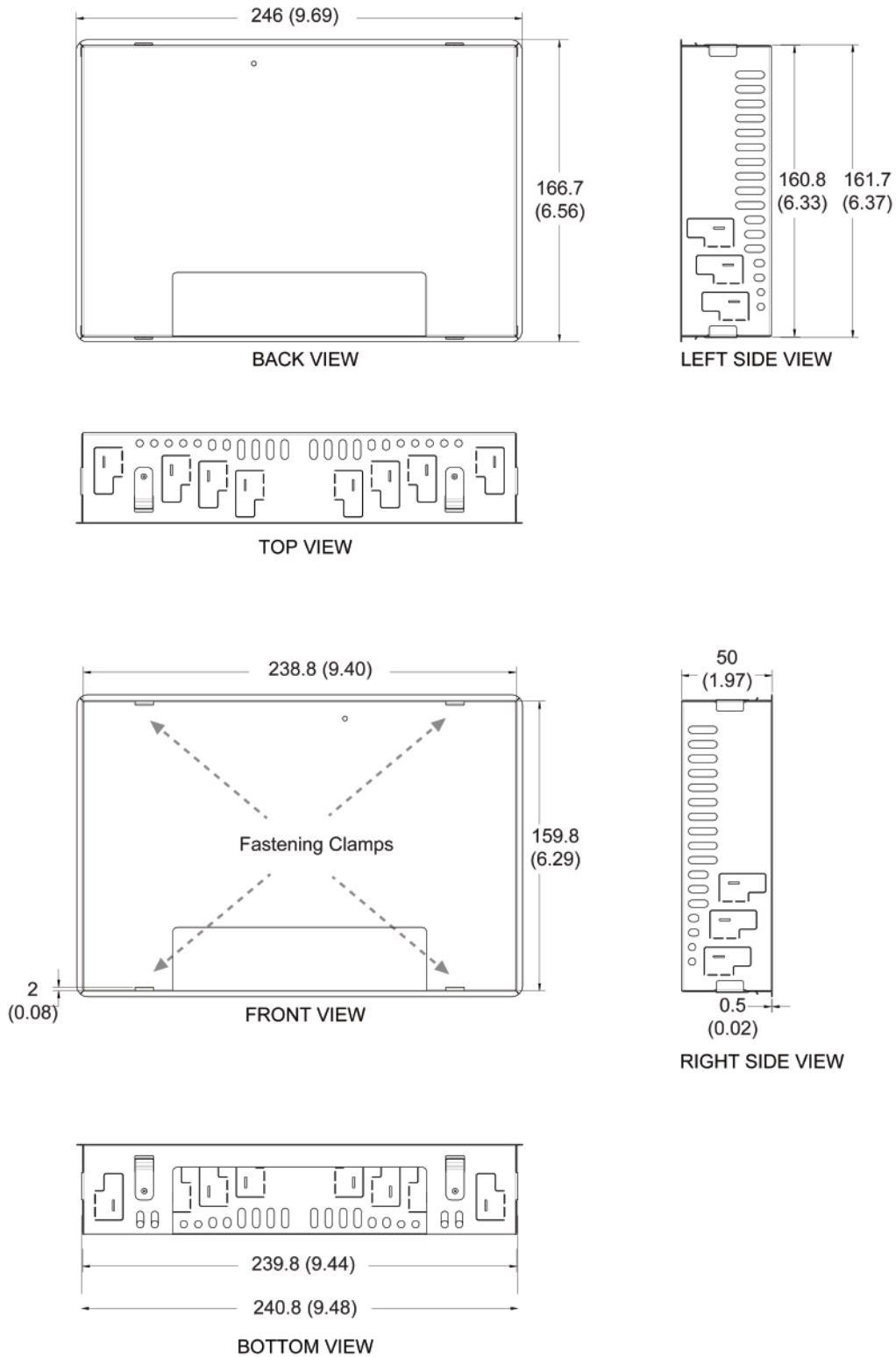


Figure 5: HORIZON-C10 Wall Mounting Kit dimensions

Specifications subject to change without notice.

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