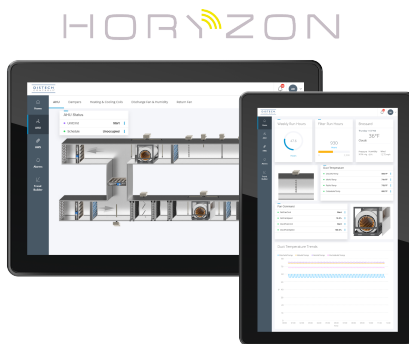


HORYZON-C

IP-based capacitive multi-touch
color displays



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 ENVYSION 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 ENVYSION. Deliver a fully customized user experience for facility managers and occupants, by developing and displaying ENVYSION web pages.
- PDF display: XpressENVYSION 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.
- Wi-Fi connectivity via the ECLYPSE Wi-Fi Adapter.
- 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: HORIZON-C7

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

Accessories

HORIZON-C7 In-Wall Mounting Kit	Low profile metal mounting box for the HORIZON-C7 display
HORIZON-C10 In-Wall Mounting Kit	Low profile metal mounting box for the HORIZON-C10 display
HORIZON Power Adapter	100-240 VAC, multi-prong, universal wall adapter for the HORIZON Series displays. US, European, UK and Australian plugs included.
HORIZON Power Cable	1m (3.3") cable for powering HORIZON Series displays from the ECLYPSE Connected System Controller or the ECY-PS power supply modules.

Product Specifications

Power Supply Input

Voltage	24 VAC/DC; $\pm 15\%$; Class 2 or via HORIZON power cable
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
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 x RJ-45 Ethernet port 4 x 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 (32°F to 122°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

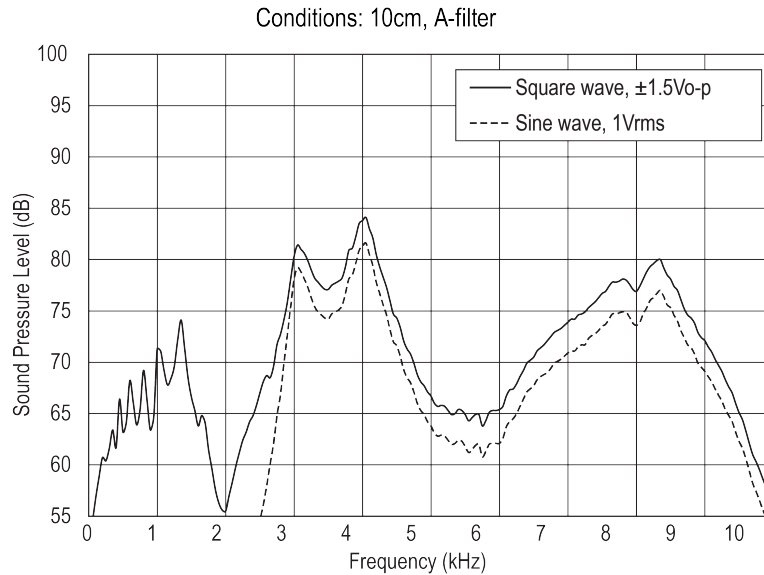


Figure 1: Decibel rating diagram

Dimensions

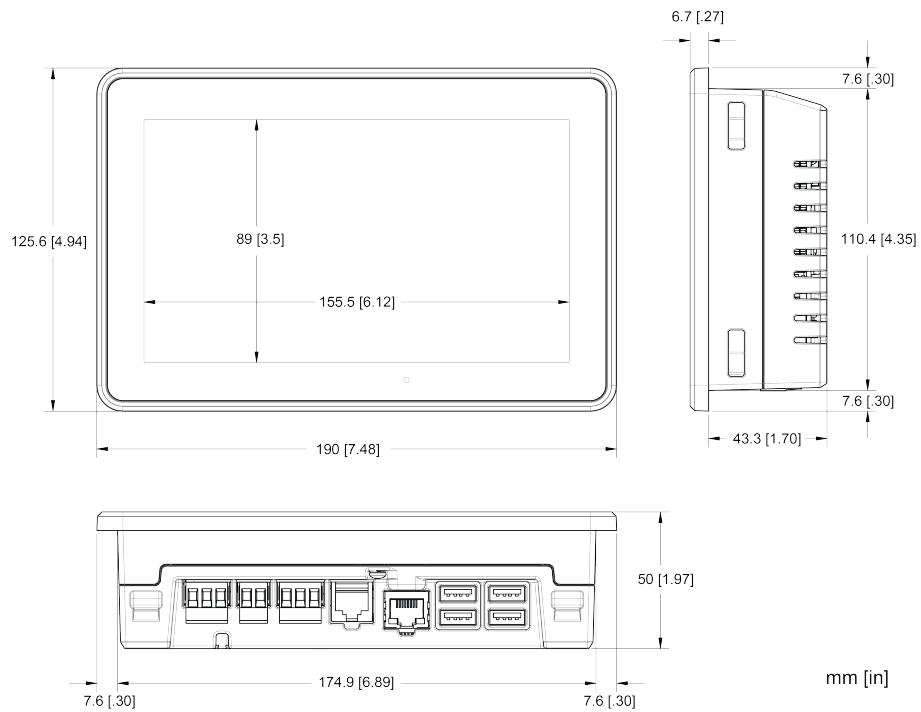


Figure 2: HORIZON-C7 dimensions

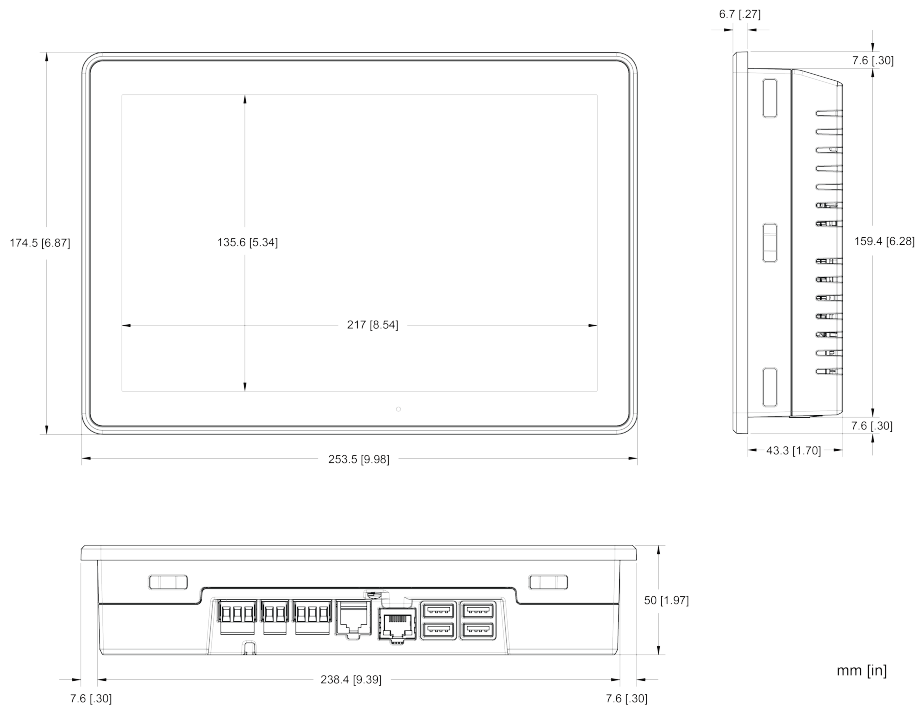


Figure 3: HORIZON-C10 dimensions

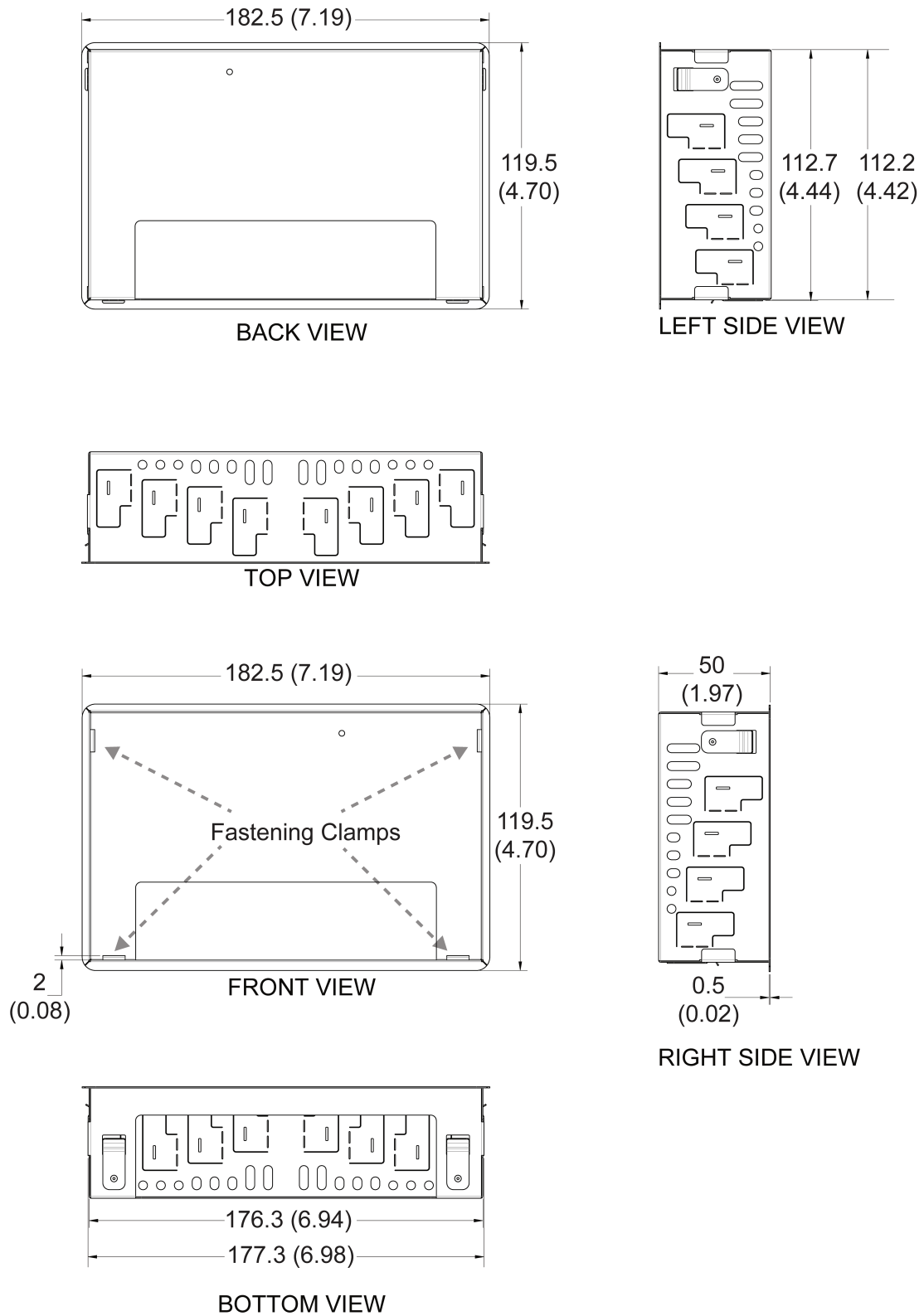


Figure 4: HORIZON-C7 Wall Mounting Kit dimensions

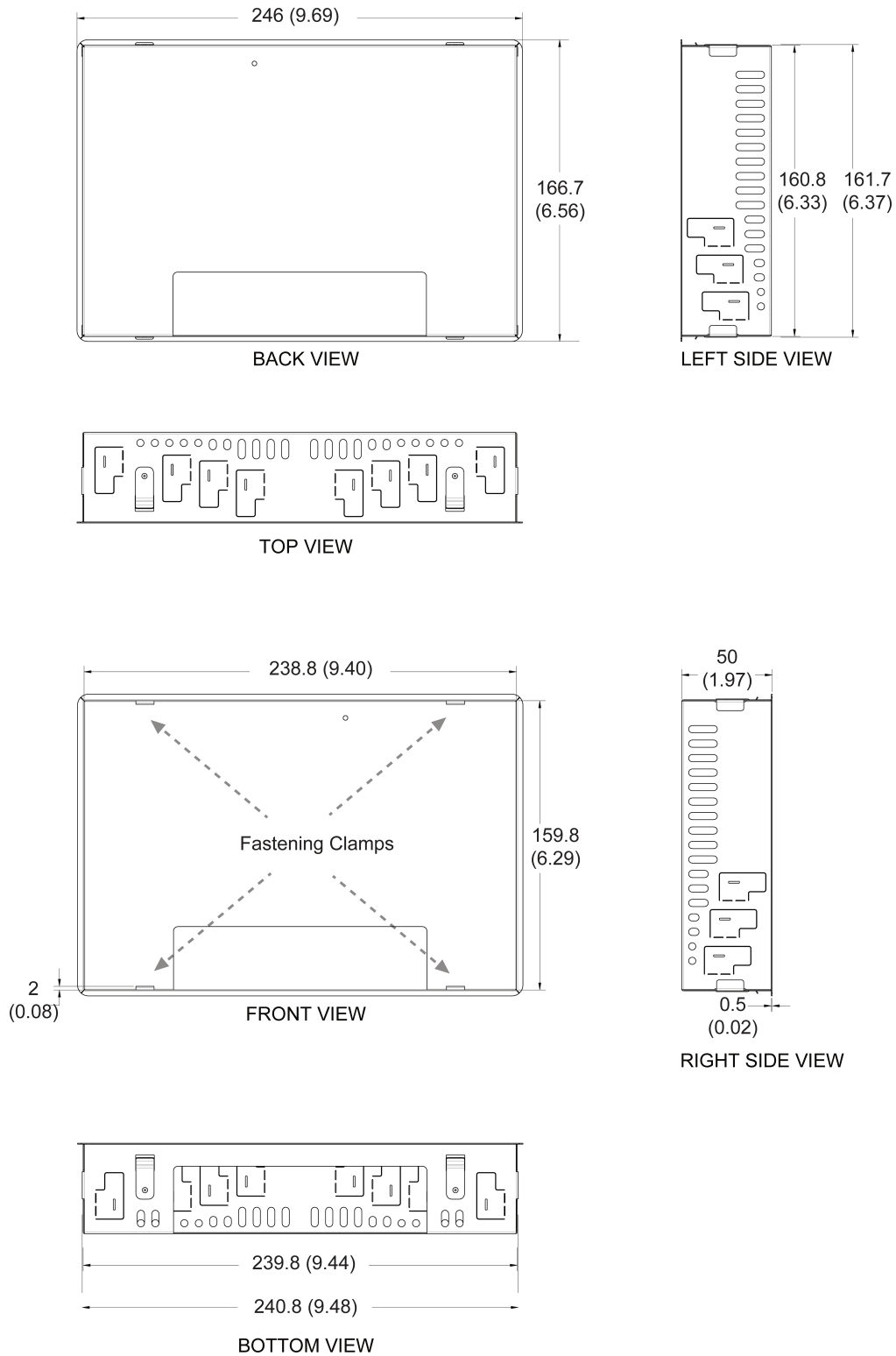


Figure 5: HORIZON-C10 Wall Mounting Kit dimensions

Specifications subject to change without notice.

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