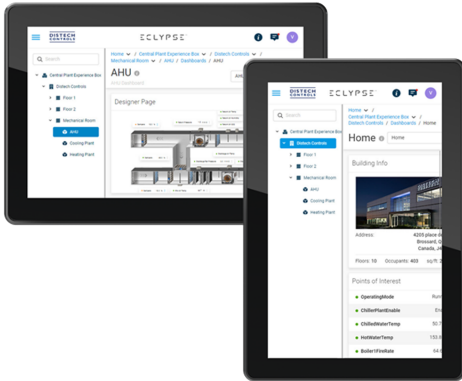# Horyzon-C with Eclypse Facilities

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 building systems and applications.

From mechanical rooms to occupant interface, the Horyzon-C provides an on-premise interface to monitor and interact with an installed network of Eclypse™ and EC-Net™ devices or any other system that serves up modern graphical views over IP.

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.

- Wirelessly communicate on a Wi-Fi network with the Eclypse Wi-Fi Adapter. Its flexible architecture makes it usable as a Wi-Fi client and a Wi-Fi access point/hotspot.

- All-in-one device to view and access all comfort parameters controlled in a space (HVAC, lighting and sunblinds).

- Multiple remote connections can be set up, including an auto-login feature for Eclypse and EC-Net devices, facilitating quick access for system operators.

- Customizable user experience. Deliver a fully customized user experience for facility managers and occupants, by leveraging the Eclypse Facilities interface and/or developing and displaying Eclypse Designer web pages, and by accessing and displaying any website or content available on the internet.

- Flexible installation and available in two sizes, with wall or panel mounting kits. The display can be configured to render the screen appropriate for vertical or horizontal installations.

- Fully backup a Horyzon-C unit's configuration and restore it to a new unit in the event that a unit needs replacement, or to easily configure multiple units that use the same or a similar configuration.

Model Selection

Example: Horyzon-C**7** Gen2

Series	Display Size
Horyzon-C7 Gen2	**7:** 7" IP-based capacitive touchscreen color display. Compatible with Eclypse Facilities controllers
Horyzon-C10 Gen2	**10:** 10.1" IP-based capacitive touchscreen color display. Compatible with Eclypse Facilities controllers

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	Eclypse Facilities
Connectivity requirements	Eclypse Controller or EC-Net

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

Standards and Regulations

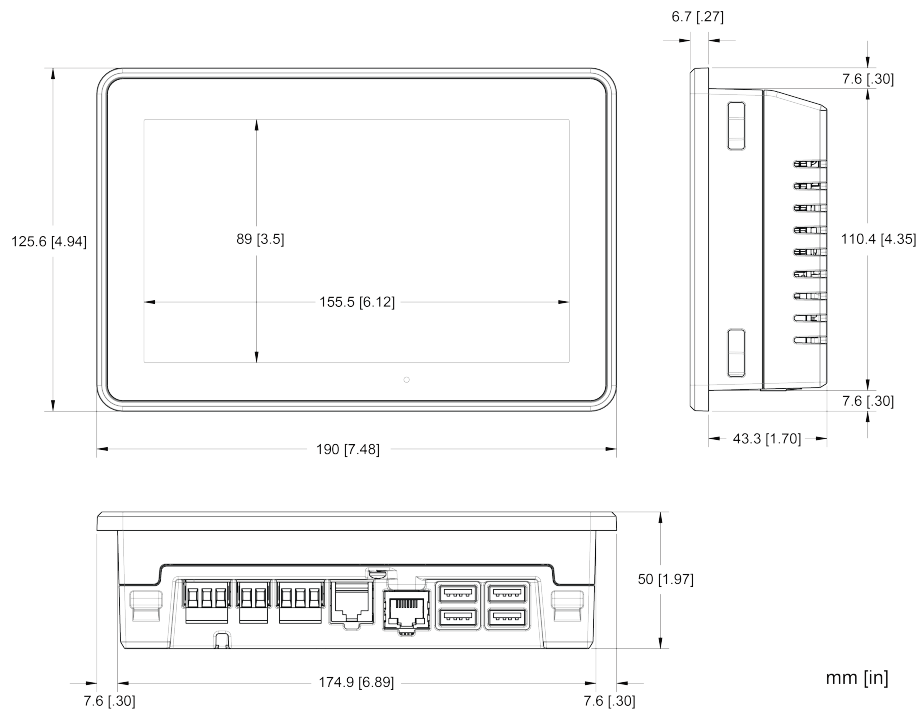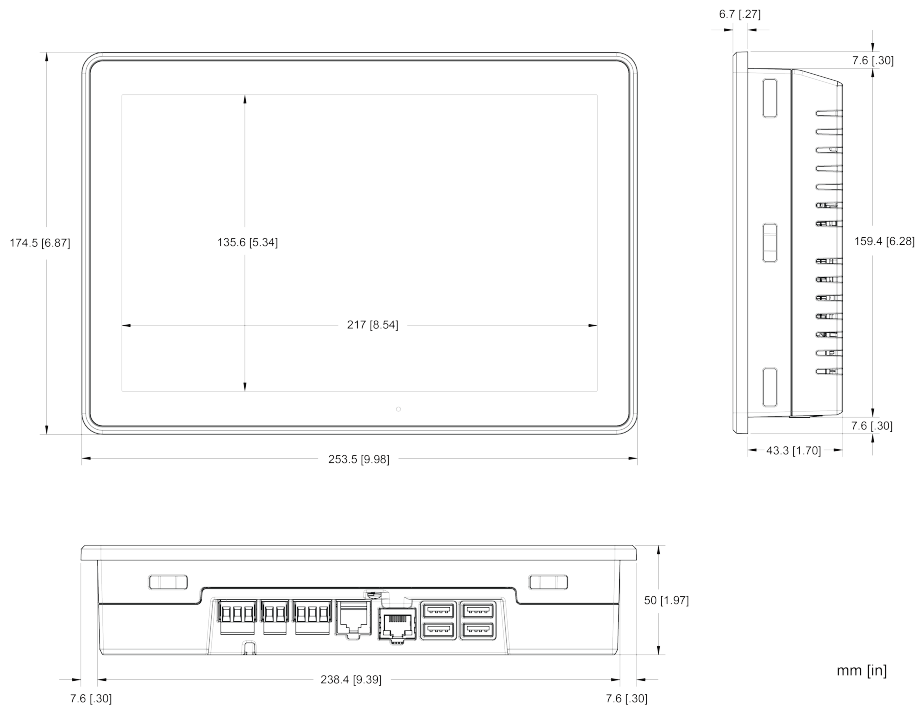|	
CE - Emission	EN61000-6-3: 2007; A1:2011
CE - Immunity	EN61000-6-1: 2007
UL Listed (CDN & US)	UL916 Energy management equipment
FCC	FCC rules part 15, subpart B, class B
RoHS	All materials and manufacturing processes comply with the RoHS directive.
WEEE	All products are marked according to the Waste Electrical and Electronic Equipment (WEEE) directive.

Dimensions

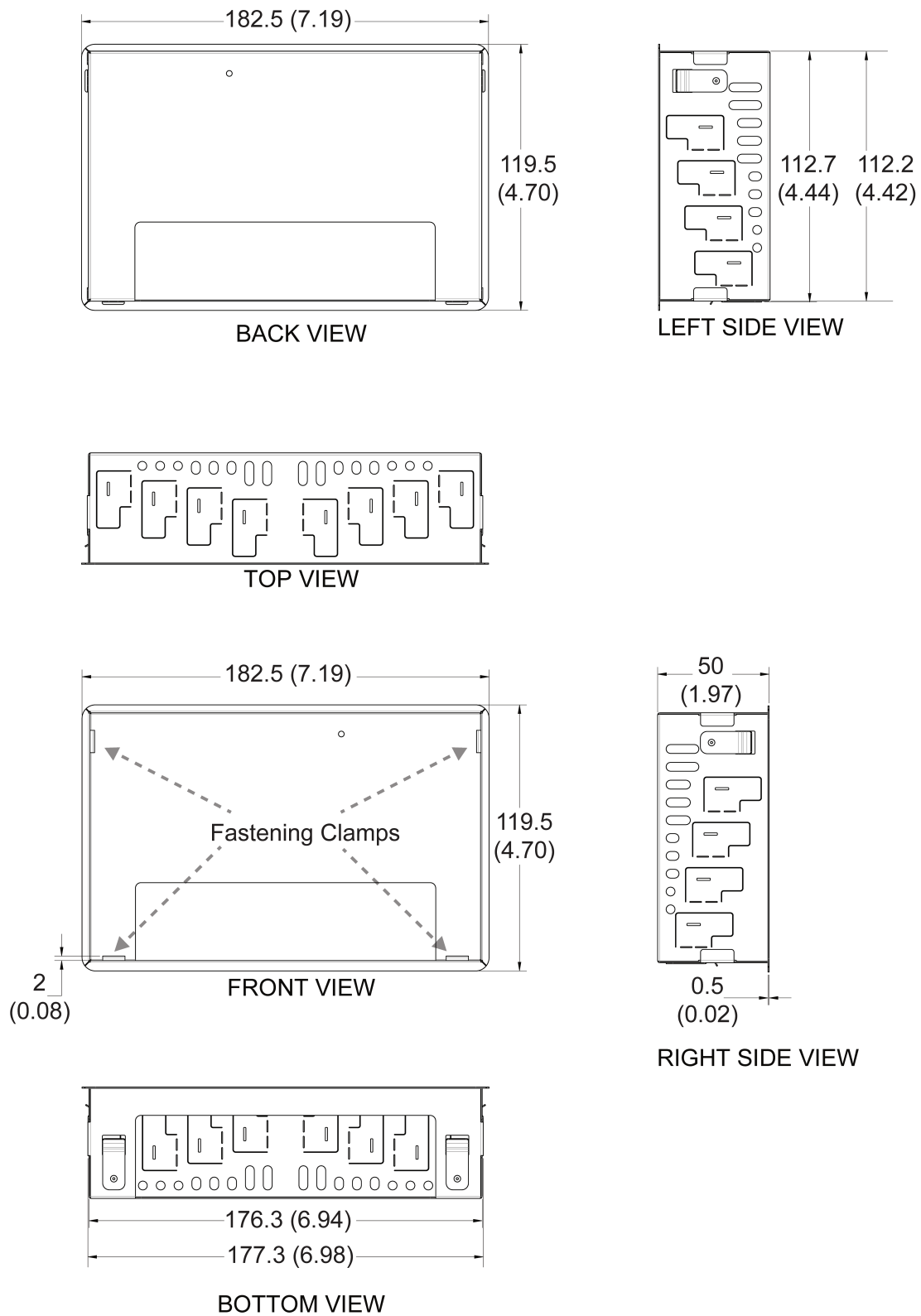*Figure 1:* HORYZON-C7 dimensions

Figure 2: HORYZON-C10 dimensions

182.5 (7.19)

119.5
(4.70)

BACK VIEW

112.7
(4.44)   112.2
(4.42)

LEFT SIDE VIEW

TOP VIEW

182.5 (7.19)

Fastening Clamps

119.5
(4.70)

2
(0.08)

FRONT VIEW

50
(1.97)

0.5
(0.02)

RIGHT SIDE VIEW

176.3 (6.94)
177.3 (6.98)

BOTTOM VIEW

Figure 3: HORYZON-C7 Wall Mounting Kit dimensions

246 (9.69)

166.7
(6.56)

BACK VIEW

160.8   161.7
(6.33)   (6.37)

LEFT SIDE VIEW

TOP VIEW

238.8 (9.40)

Fastening Clamps

159.8
(6.29)

2
(0.08)

FRONT VIEW

50
(1.97)

0.5
(0.02)

RIGHT SIDE VIEW

239.8 (9.44)

240.8 (9.48)

BOTTOM VIEW
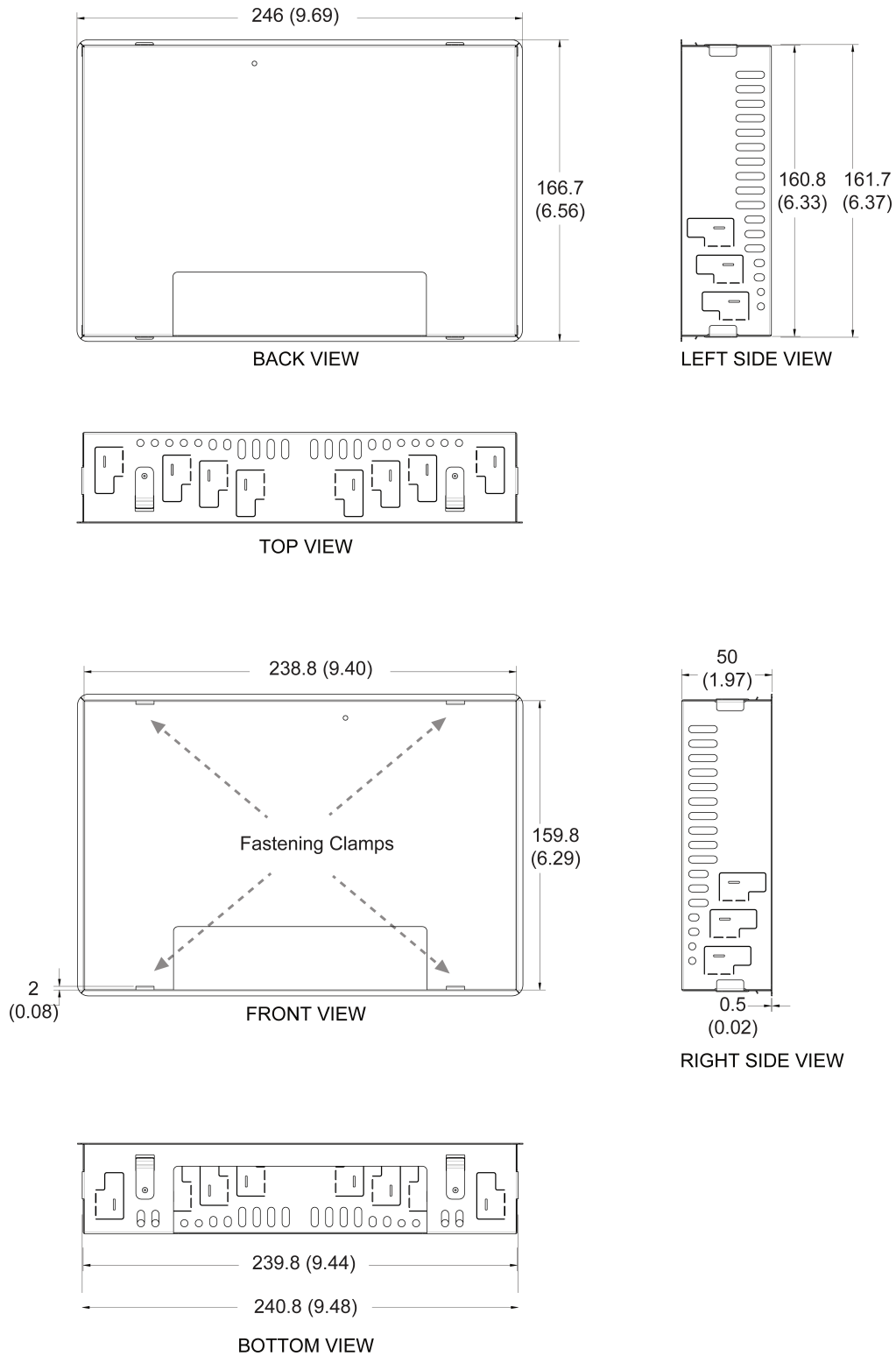
Figure 4: HORYZON-C10 Wall Mounting Kit dimensions