

Omni

HMI Display Module for Omni BEMS Controllers

INNOTECH®

Models:

OMH01-Cxx: HMI for Omni BEMS Controllers - Retrofit

OMH02-x: HMI for Omni BEMS Controllers - USB

DS 31.02

July 2019

Overview

The Innotech Omni HMI Display Module can be used with Omni controller models that do or do not have a factory fitted display.

The HMI allows users to view and edit selected system values and variables such as setpoints, calendar events, acknowledge alarms and adjust controller system settings.

OMH01 is a retrofit HMI for installation on the front panel of an Omni C40, C20 or C14 where a display was not originally fitted.

OMH02 is an external HMI connected via USB for use with the Omni C40, C20 and Compact Controllers.

Features

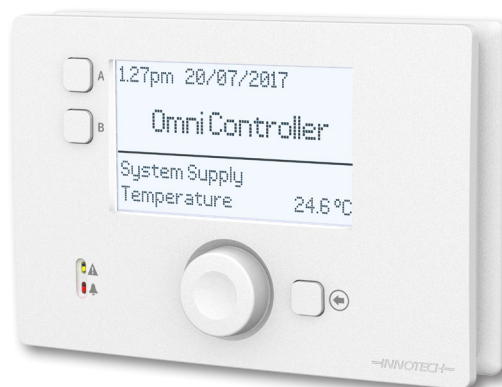
- 128 x 64 pixel white monochrome graphical display
- Navigation wheel with push action for menu navigation and input
- Factory programmed keys for access to Alarms and Watches screens
- LEDs to visibly alert users to Controller Alarms and Warnings
- Fully featured
 - View or edit Watches
 - View, edit or create calendar schedules
 - Acknowledge alarms
 - Edit settings

Omni HMI

Model Number Designations

Model	Retrofit	USB	Panel Mountable	Blue Fascia	White Fascia
OMH01-C14	✓	✗	✗	✓	✗
OMH01-C20	✓	✗	✗	✓	✗
OMH01-C40	✓	✗	✗	✓	✗
OMH02-B	✗	✓	✓	✓	✗
OMH02-W	✗	✓	✓	✗	✓

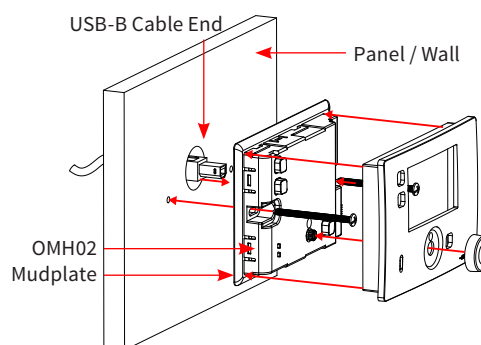
- The OMH01-Cxx must be installed by a qualified Innotech representative.
- The OMH02 is compatible for use with Omni OMC40, OMC20, OMC10, OMC10V, OMC8 and OMC8V Controllers.



OMH02 Panel Mount Installation

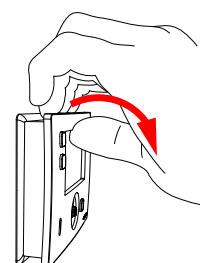
1. Unpack the OMH02.
2. Drill mounting holes, referring to the template on page 2.
3. Pass the supplied USB cable through the hole in the panel.
4. Plug the USB-B cable end into the back of the OMH02.
5. Gently screw the mudplate and OMH02 to the panel using the supplied hardware (use mounting plugs if necessary).
6. Fit the faceplate over the display and push gently till fitted.
7. Place the dial onto the display.
8. Plug the USB-A plug into the USB-A port on the Omni controller.

- The OMH02 HMI can be plugged in while the Omni is powered
- OMH02 - 2 metres USB cable maximum

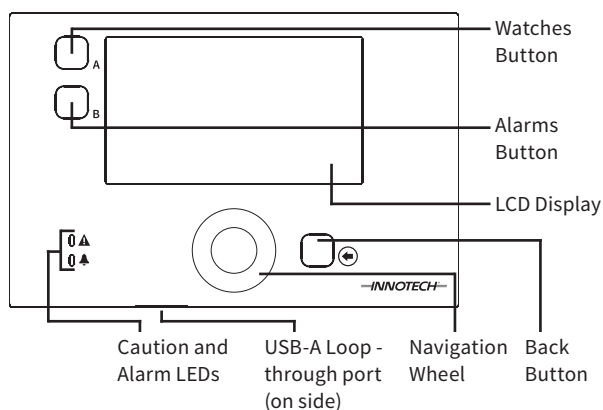


OMH02 Panel Mount Removal

1. Remove the dial from the OMH02.
2. As shown, pull back the top of the fascia to release the holding clips.
3. Slowly peel the fascia down to remove.
4. While supporting the HMI, remove the screws.
5. Unplug the USB cable from the back of the HMI.



ENSURE that you follow these steps to remove the HMI. The HMI can be damaged if the fascia is removed incorrectly.



FCC Class A Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note – This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Modifications to this device, may void the authority granted to the user by the FCC to operate this equipment.

Specifications

CONNECTION TYPE	
Model	Connection Type
OMH01	Fitted to the Omni Controller
OMH02-B / OMH02-W	USB cable

COMMUNICATIONS	
OMH02	USB-B (Connected to Omni USB-A)

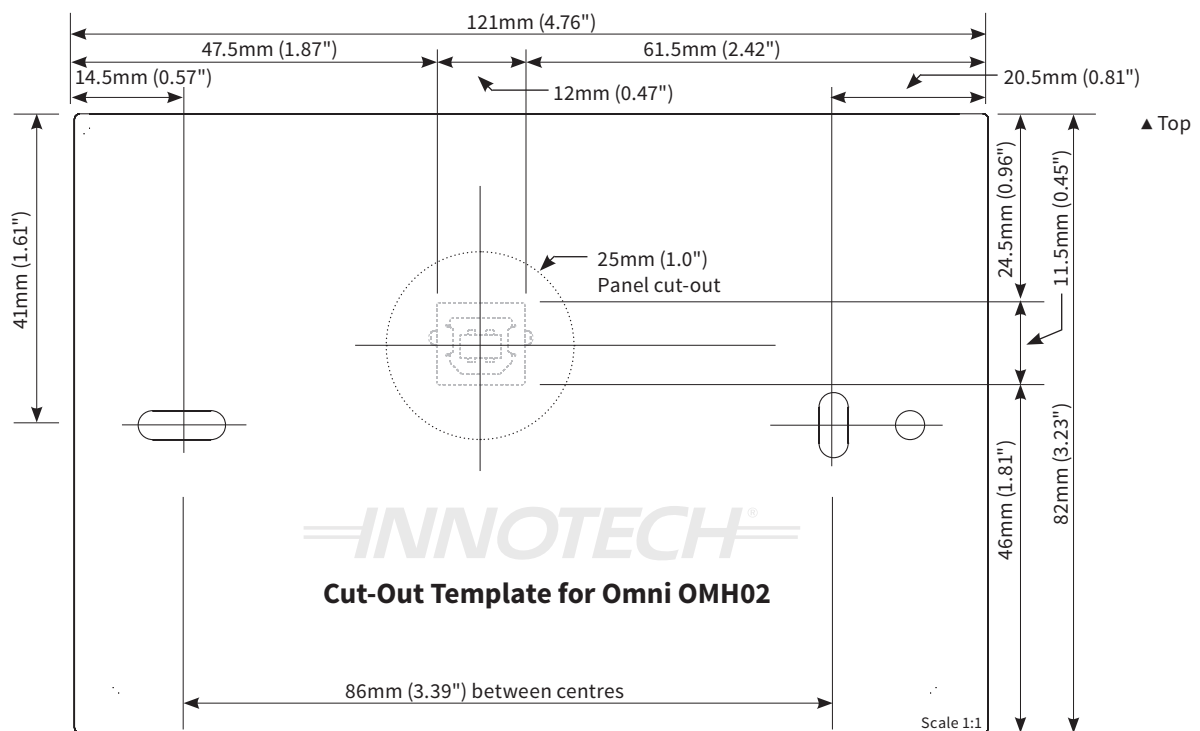
DISPLAY	
HMI LCD Display (backlit)	128 x 64 pixels monochrome graphical display (white)
Menu Navigation and Parameter Input	<ul style="list-style-type: none"> Navigation wheel with push action Back/Escape Button
Factory Programmed Buttons	2

OPTICAL INDICATORS	
Caution LED	Yellow
Alarm LED	Red

ENVIRONMENTAL	
Operating Temperature	-5° to 50°C non-condensing 23° to 122°F non-condensing
Storage Temperature	-20° to 60°C non-condensing -4° to 140°F non-condensing
<p>i While the minimum operating temperature is -5°C, at 0°C (32°F) or below the display performance will be impacted and refresh much slower.</p>	

ENCLOSURE	
Housed in a rectangular case suitable for C-Clip mounting. Housing moulded from flame retardant plastics recognised by UL as UL94-V0.	
Colour	Blue or White
Dimensions	(W)121mm x (H)82mm x (D)37.4mm (4.76" x 3.23" x 1.47")
Mounting Depth (excl. plugs or wires)	
OMH02	27.4mm (1.08")

APPROVALS	
EN61326:2013 Class A for CE & RCM Labelling	
Title 47 CFR, Part 15 Class A for FCC Marking	
UL Listed to UL916, File Number 242628	



i For accurate measurements for the Cut-Out Template, print this PDF page on A4 paper with Size Options set to Actual Size.

INNOTECH®

Australian Owned, Designed & Manufactured
by Mass Electronics Brisbane

+61 7 3421 9100
@ sales@innotech.com

+61 7 3421 9101
www.innotech.com

YOUR DISTRIBUTOR