

HMI

Touch Panel Interface

HMI-DN and HMI-WL are user-friendly, ergonomically designed, and robust devices for the Honeywell plant controllers. The display provides intuitive 24/7 access to system data, such as; plant status, schedules, and alarms, which will facilitate maintenance & fault finding to ensure and achieve optimum system performance.



The user can perform the following functions using the HMI.

- View and command points
- Create and modify Fast Access point lists
- View and acknowledge controller Alarms
- Create and modify BACnet™ Schedules within the Plant controller

FEATURES AND HIGHLIGHTS

MULTIPLE LANGUAGE SUPPORT

HMI can be operated in English, Spanish, French, German, Italian, Dutch, Danish, Finnish, Simplified Chinese, and Korean languages.

POWER SAVING

HMI is powered by the controller and does not require a dedicated power supply or power wiring. The display of the HMI enters the Lock screen mode after 30 minutes (adjustable) of the user inactivity on the device where the display is dimmed and reactivates when the user touches the display.

USER ACCOUNTS

Users can access accounts in HMI to perform the controller related operations. HMI also allows users to change a six-digit pin to protect their accounts.

FAST ACCESS LIST

Users can configure their display menus to show the preferred fast access lists which include the data points present within the controller and data points mapped from connected devices in Plant controller.

FAST DEPLOYMENT

Simple to install and minimal configuration of advanced controller to commission display.

COMPATIBILITY

HMI is compatible with the Plant controller. Please refer the "Compatibility" on page 4 table in the product specification.

USER AUTO LOGOUT

HMI logs out the user from the account automatically after five minutes (adjustable) of user inactivity.

VERSATILE MOUNTING

HMI has two mounting bases to choose from:

- DIN Rail base - provides DIN Rail mounting.
- Panel Door/Wall base - provides panel door mounting and wall mounting using screws.

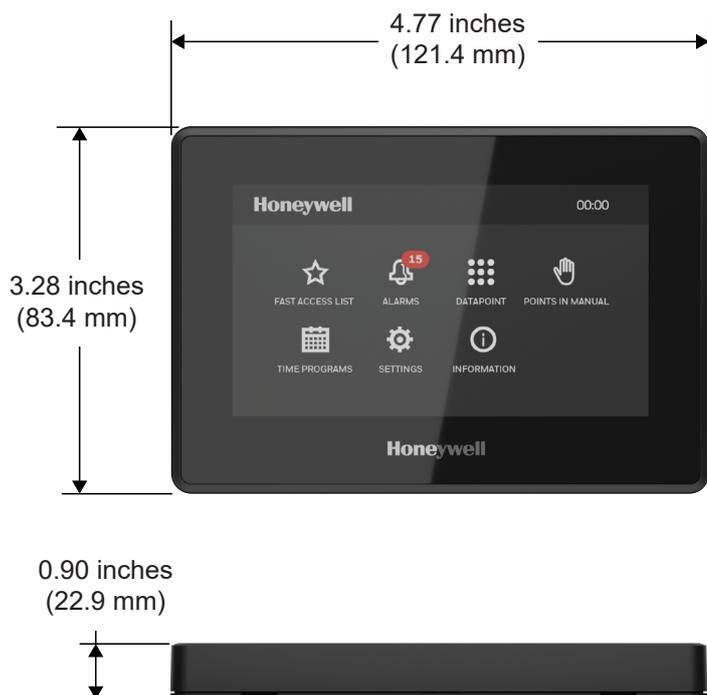
MEASUREMENTS AND DIMENSIONS

DIN RAIL BASE



All the Dimensions are in inches (mm).

PANEL DOOR/WALL BASE



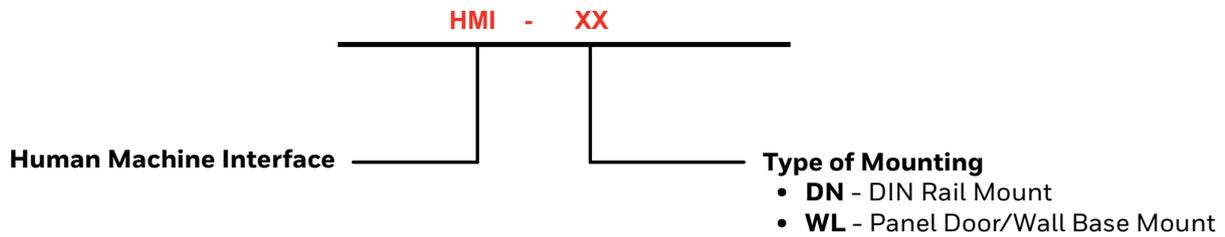
All the Dimensions are in inches (mm).

ORDERING INFORMATION

HMI ORDERING INFORMATION			
PART NUMBER	TOUCH SCREEN	DIN RAIL MOUNT	PANEL DOOR/WALL BASE MOUNT
HMI-DN	YES	YES	NO
HMI-WL	YES	NO	YES

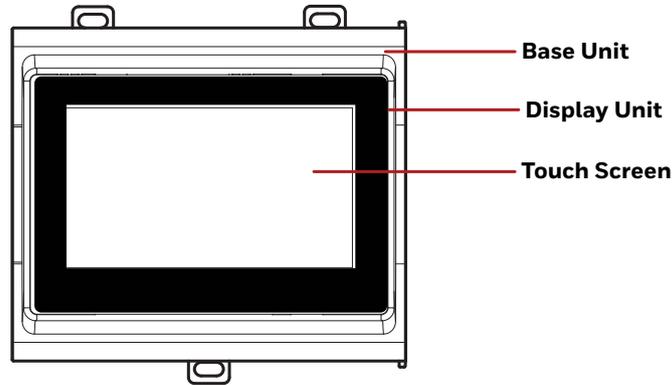
ACCESSORIES PARTS	
PART NUMBER	DESCRIPTION
HMI-ACC-DN	DIN Rail base accessory (Included with DIN Rail model HMI, HMI-DL)
HMI-ACC-WL	Door/Wall base accessory (Included with Panel Door/Wall model HMI, HMI-WL)
HMI-CABLE-S	0.25 meter length HMI cable (Short)
HMI-CABLE-L	3 meter length HMI cable (Long)

HMI PART NUMBERS DESCRIPTION

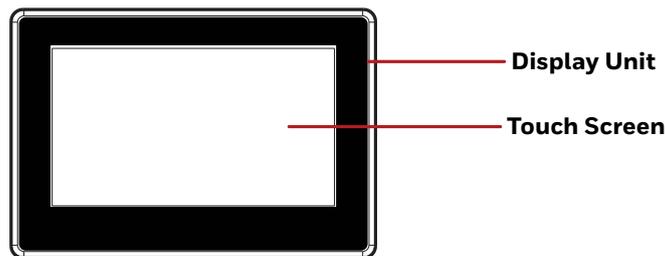


HMI VARIANT - INTERFACE

HMI-DN



HMI-WL



PRODUCT SPECIFICATION

ELECTRICAL		
HMI	PARAMETER	SPECIFICATION
HMI-DN	Power Supply from the Controller	300 mA at 5 Vdc
HMI-WL	Power Supply from the Controller	300 mA at 5 Vdc

SOFTWARE	
PARAMETER	SPECIFICATION
Operating System	OSAL
User Memory	8 MB Flash disk
RAM	512 KB SRAM
Export Points*	Not more than 2000 points (Recommended)

Note: *For the Advanced Niagara and HMI solution you can export more points, but it will impact the commissioning and loading times of the HMI. For more details, please see the HMI Driver Guide-31-00590.

DISPLAY	
PARAMETER	SPECIFICATION
Display Type	Capacitive, TFT color display
Resolutions	480x272 pixel, WQVGA
Active Display Area	4.3" diagonally
Colors	16bits
Backlight	LED
Brightness	400 Cd/m2 typ.

WEIGHT AND DIMENTIONS		
PARAMETER	SPECIFICATION	
	HMI-DN	HMI-WL
Dimensions	5.07x2.29x4.33 Inches (129x58.2x110 mm)	4.77x0.90x3.28 Inches (121.4x22.9x83.4 mm)
Weight	360g	360g
Mounting	DIN Rail Mount	Panel/Wall Mount

COMPATIBILITY			
NIAGARA ADVANCED CONTROLLER		COMFORTPOINT™ OPEN CONTROLLER	
PART NUMBER	DOCUMENT NUMBER	PART NUMBER	DOCUMENT NUMBER
N-ADV-134-H-<<#>>	31-00583	CPO-PC500	en0b0313-ie10r0423-CPO_PC500
N-ADV-133-H-<<#>>	31-00631	CPO-PC600	en0b0313-ie10r0423-CPO_PC600
N-ADV-112-H-<<#>>		-	-

<< #>>For ordering information, please refer the controller datasheet document.

- Niagara Advanced - 31-00583
- Optimizer Advanced - 31-00631

OPERATIONAL ENVIRONMENT	
PARAMETER	SPECIFICATION
Storage Temperature	-28.9 to +70 °C (-20 to 158 °F)
Operating temperature	-25 to 60 °C (-13 to 140 °F)
Humidity	5 to 95% relative humidity (non-condensing)
MTBF (Mean Time Between Failure)	10 years
Altitude	4000 m

HMI PART NUMBERS	
PART NUMBER	DESCRIPTION
HMI-DN	Touchscreen HMI Display with DIN Rail base
HMI-WL	Touchscreen HMI Display with Panel Door/Wall base

STANDARDS AND CERTIFICATIONS	
PARAMETER	SPECIFICATION
Protection Class	IP30
Shock Protection	Class 2
Certification	CE, FCC/IC, UL/ULC

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