NO:	NT-092	**PRODUCT:**	NV3W HMI Terminals
DATE:	February 2015	**TYPE:**	Partial Discontinuation Notice

Discontinuation and Recommended Replacements for Select NV3 Series HMI

Discontinuation date: June 30, 2015
Note: Date is subject to change based on raw materials and components availability at the factory.
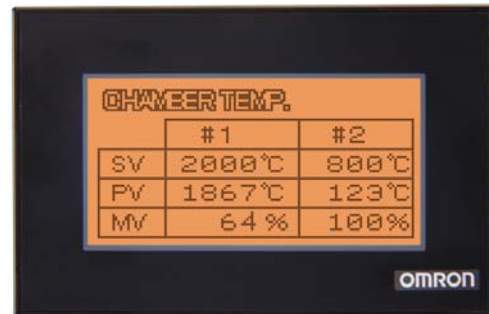
Replacement products: Available end of May 2015

Key Features and Benefits

Select NV3 series HMI terminals will be discontinued and replaced with a newer V1 series. The new V1 series features these improvements:

- Larger, higher resolution display for easier reading
- Better contrast ratio to improve viewing under various lighting conditions
- USB port instead of the DIN style programming port to match newer laptop PCs
- IP67 enclosure rating now offers water-resistance instead of splash resistance

The new units will maintain a high level of compatibility with existing systems.

Affected Parts

Discontinued Product	Recommended Replacement
Model NV3W-MG20L	Model NV3W-MG20L-V1
Model NV3W-MG20	Model NV3W-MG20-V1
Model NV3W-MG40	Model NV3W-MG40 -V1
Model NV3W-MR20L	Model NV3W-MR20L-V1
Model NV3W-MR20	Model NV3W-MR20-V1
Model NV3W-MR40	Model NV3W-MR40-V1

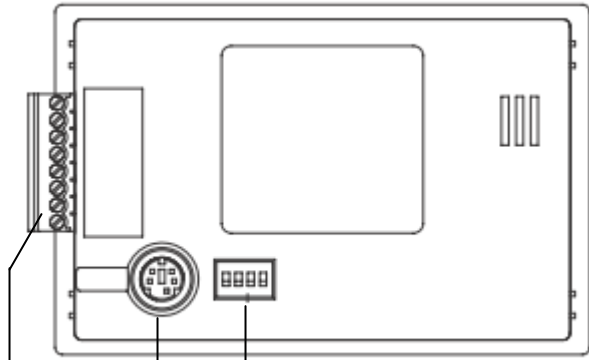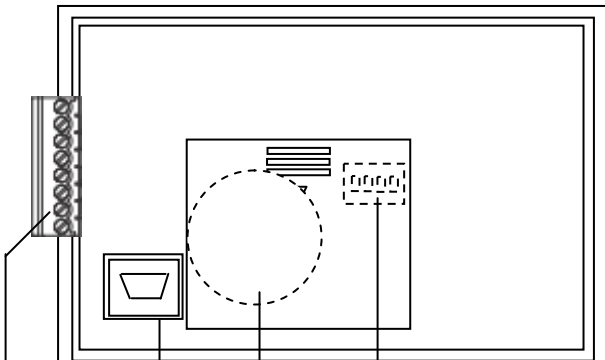**Note:** The -V1 models above will be released at the end of May 2015.

HMI Project Conversion

Applications designed for the discontinued NV3 can be converted to run on the replacement V1 units by using NV-Designer Version 2.0.
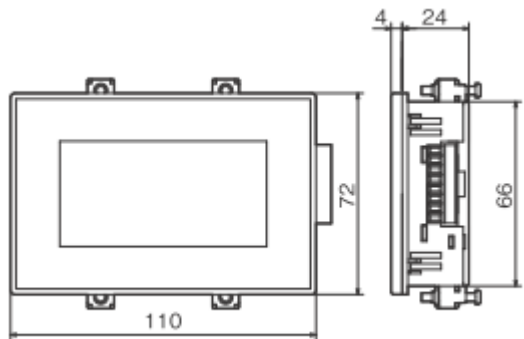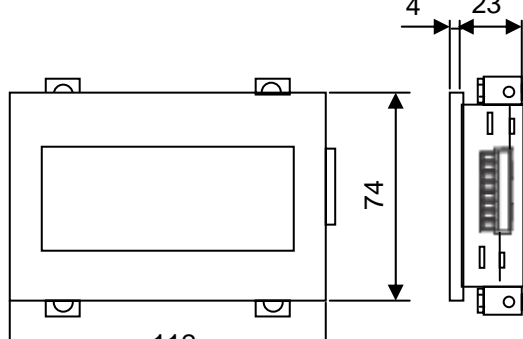
See the following pages for details of differences.

Detail of Differences

Component Locations

Discontinued product ModelNV3W−MG∗0∗ ModelNV3W−MR∗0∗	Recommended replacement ModelNV3W−MG∗0∗−V1 ModelNV3W−MR∗0∗−V1
Operating mode switch Tool port (NV-Designer connection port) Communications/power supply connector	Operating mode switch Battery holder USB port (Type mini-B): NV-Designer connection port Communications/power supply connector

Dimensions

Discontinued product ModelNV3W−MG∗0∗ ModelNV3W−MR∗0∗	Recommended replacement ModelNV3W−MG∗0∗−V1 ModelNV3W−MR∗0∗−V1
(Unit: mm) 4　24 72　66 110	(Unit: mm) 4　23 74 112

Note: Panel cutout dimensions are identical

Characteristics

Item	Discontinued product ModelNV3W-MG*0* ModelNV3W-MR*0*		Recommended replacement ModelNV3W-MG*0*-V1 ModelNV3W-MR*0*-V1	
Display device	Monochrome STN LCD		Monochrome STN LCD	
Display inches	3.1 inches		3.8 inches	
Backlight	-MR20L -MR20 -MR40	White, pink, and red	-MR20L-V1 -MR20-V1 -MR40-V1	White, pink, and red
	-MG20L -MG20 -MG40	Green, orange, and red	-MG20L-V1 -MG20-V1 -MG40-V1	Green, orange, and red
Number of pixels	128×64		240×96	
Effective display size	70×35 mm		88.5×35.4 mm	
Contrast ratio	3:1		40:1	
Programing port	RS-232C (Mini DIN 5-pin connector)		USB1.1 (USB Mini-B)	
Resistance to environment	IP65		IP67	
Rated power supply	-MG20L -MR20L	DC5V	-MG20L-V1 -MR20L-V1	DC5V
	-MG20 -MG40 -MR20 -MR40	DC24V	-MG20-V1 -MG40-V1 -MR20-V1 -MR40-V1	DC24V
COM port	-MG20L -MR20L -MG20 -MR20	RS-232C, Connector:8-pin	-MG20L-V1 -MR20L-V1 -MG20-V1 -MR20-V1	RS-232C, Connector:8-pin
	-MG40 -MR40	RS-422A/485, Connector:8pin	-MG40-V1 -MR40-V1	RS-422A/485, Connector:8pin
Design software	NV-Designer Ver.1.-		NV-Designer Ver. 2.0	

Competitors

Rockwell Automation	PanelView Component Series
Mitsubishi	GOT 10 Series
Red Lion	G3 Series

Competitive Tips

Omron is very competitive on a list price basis with Rockwell PanelView component series of HMI. Bring up pricing to price sensitive machine builders and integrators.

The Internet Explorer (IE) browser programming of the PanelView Component series has been criticized for not keeping up with the latest IE releases and other browsers like Chrome. With this new release, the NV-V1 has higher screen resolution than Rockwell.

Bring up the fact that Rockwell will charge for technical support. Omron technical support is included in the purchase of the product.

Mitsubishi and Red Lion tend to offer low prices to sell their HMI products. Emphasize Omron's full solution based architecture, technology leadership and quality.

Machine builders and integrators that use a variety of PLC platforms may be able to take advantage of the variety of 3rd party drivers available for the NV series of HMI. Let this class of customers know they may be able to consolidate and standardize on the NV series of HMI for many of the various PLC platforms they use. They would be able to move to fewer PO's and contact points for sales and support.

See "NV-Series Host Connection Communication Manual" Cat. No. V105-E1-02 on www.Omron247.com.