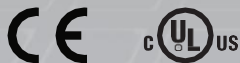


LCD Cover, Remote Mounting Nema 4X / IP66

For RSi S, SW and H2 Series
Variable Frequency Drives

Instruction Manual



890053-07-00

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Safety Information

- Always follow safety instructions to prevent accidents and potentially hazardous situations.
- Safety precautions are classified into “WARNING”, “CAUTION” and “DANGER”. Their meanings are as follows:

Warning

Indicates a potentially hazardous situation which, if not avoided, may cause death or serious injury.

Caution

Indicates a potentially hazardous situation, which, if not avoided, may cause minor injury or damage to the product.

Danger

Presence of "dangerous voltage" inside the product that may cause harm or electric shock.

- Keep the operating instructions handy for quick reference.
- Read the operating instructions carefully to fully understand the functions of the inverters and use them properly.

Caution

- Be careful not to damage the CMOS elements on the PC boards.
- Static charge may cause malfunctioning of the product.
- Turn off the inverter before connecting cables. Otherwise, the module may be damaged or an error may result.

WARNING

- Do not remove the covers of the inverter while power is applied or the unit is in operation. Otherwise, electric shock can occur.
- Do not run the inverter with the front cover removed. Otherwise, you may get an electric shock due to high voltage terminals or charged capacitor exposure.
- Do not remove the cover except for periodic inspections or wiring, even if the input power is not applied. Otherwise, you may access the charged circuits and electric shock may result.
- Wiring and periodic inspections should be performed at least 10 minutes after disconnecting the input power and after checking the DC link voltage is discharged with a meter (below DC 30V). Otherwise, electric shock may result.
- Operate the switches with dry hands. Otherwise, electric shock may result.
- Do not use wire or cable if the insulation is damaged. Otherwise, electric shock may result and cause damage to the product.
- Do not subject the cables to scratches, excessive stress, heavy loads or pinching. Otherwise, electric shock may result.

PRECAUTIONS

- When mounting the cover, do not over tighten the screws. Otherwise, it could result in product damage.
- Use the cable supplied with the product.

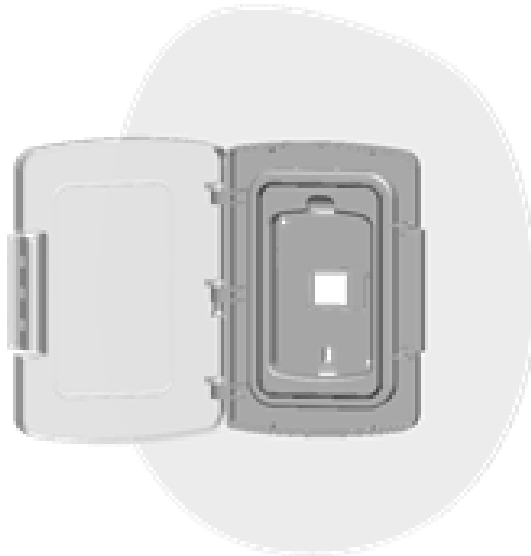
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1 About the Product

This installation guide applies to the Remote Mounting Option (the cover) for the LCD Display/Keypad used with the H2, S and SW Series inverters. The cover is designed to provide the protection of the LCD Display/Keypad on an enclosure designed for NEMA Type 4X / IP66 environment.

Refer to the individual inverter manuals to set up the inverter using the LCD Display/Keypad. The inverter instruction manuals can be downloaded at Benshaw.com.

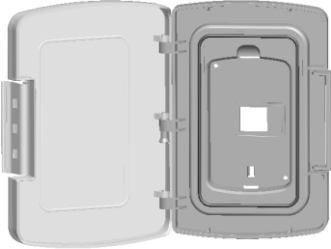
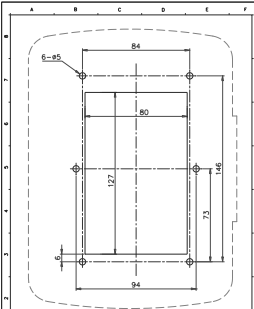

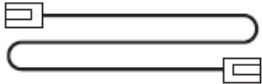
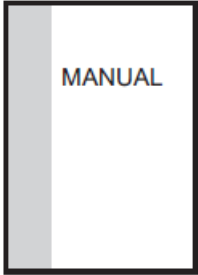


* The LCD Display/Keypad is not included with the cover.

2 Items Included

Benshaw Part #: CV-100017-00

After receiving the cover, verify the package contents.

Item	Description
	<p>LCD Display/Keypad Mounting Option Quantity : 1 EA</p>
	<p>Cutout Template Quantity : 1 EA</p>
	<p>M4 x 16 Screw Quantity : 6 EA</p>
	<p>Keypad cable (3M) Quantity : 1 EA</p>
	<p>Manual # 890053-07-00 Quantity : 1 EA</p>

3 Installation Procedure

Danger

Electrical Shock Hazard : Do not connect or disconnect wiring while the power is on. Failure to comply will result in death or serious injury.

Wiring and periodic inspections should be performed at least 10 minutes after disconnecting the input power. Check that the DC link voltage has discharged below 30 VDC.

1. Turn off power to the drive by completely removing power to the enclosure. Wait 10 minutes for capacitor discharge.
2. Unpack and verify the contents of the NEMA 4X Keypad Mounting Option.
3. Create the cutout at the desired location on the panel as show in Figure 1.

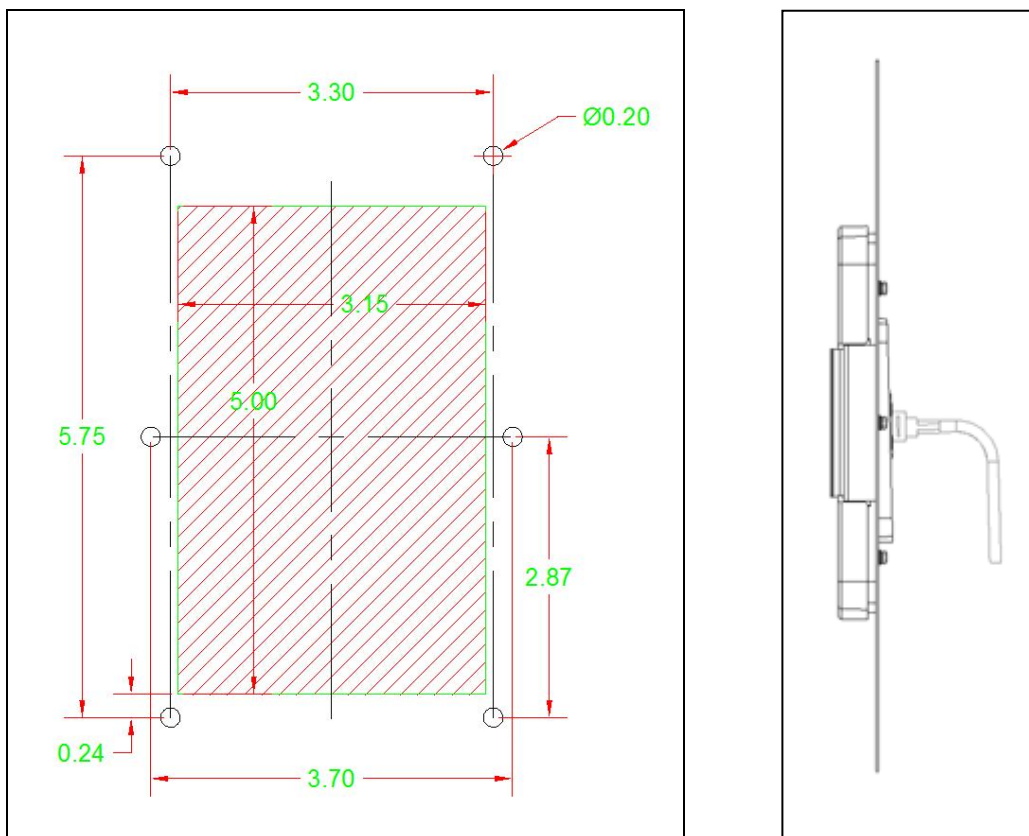


Figure 1. Cutout Drawing and Side Viewing

4. Position the cover on the enclosure panel as show in Figure 2 with the Handle / Latch on the right and the hinges on the left.

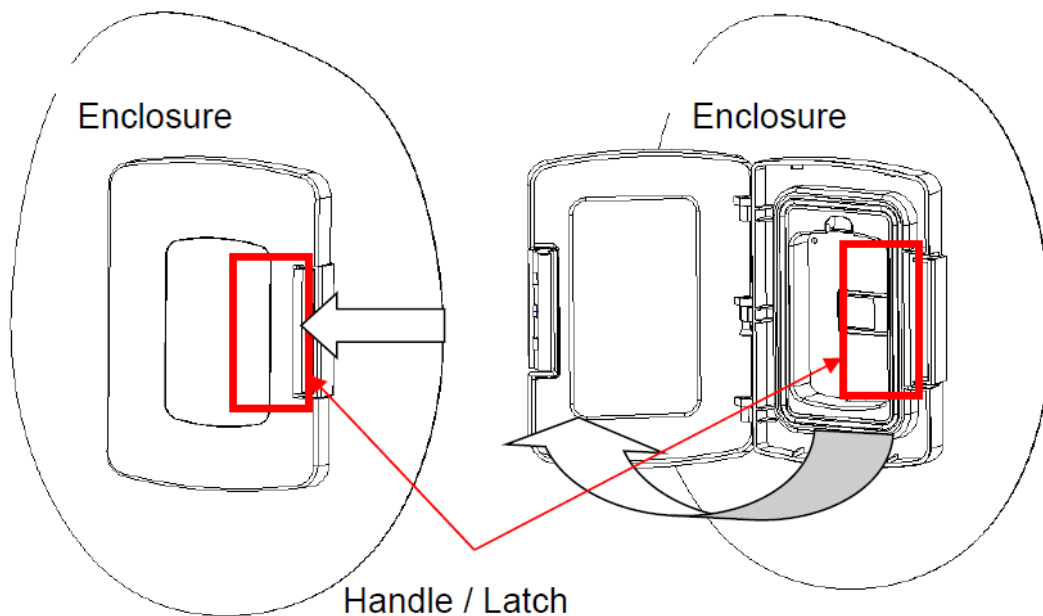


Figure 2. Mounting Position

5. Complete installation by attaching the cover to the panel according to Figure 3. Use the provided M6 screws and tighten to 13.0 lbf-in.

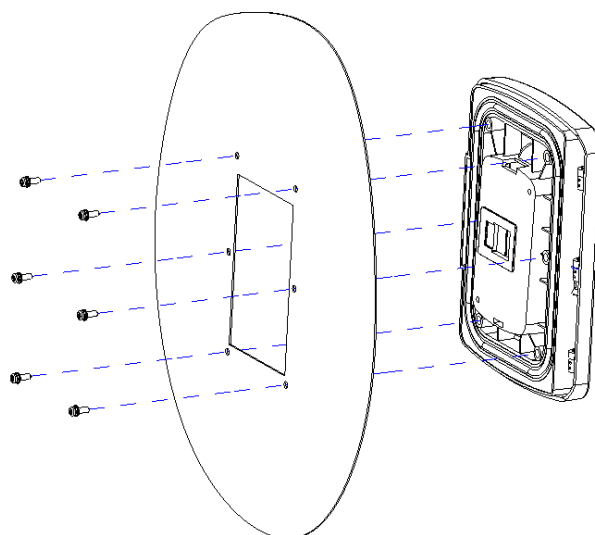



Figure 3. Installation

6. Install the keypad into the cover and close the cover as shown in Figure 4.

 **WARNING!** : Close the cover completely until you hear a click. If cover is not completely closed, keypad will not be protected.

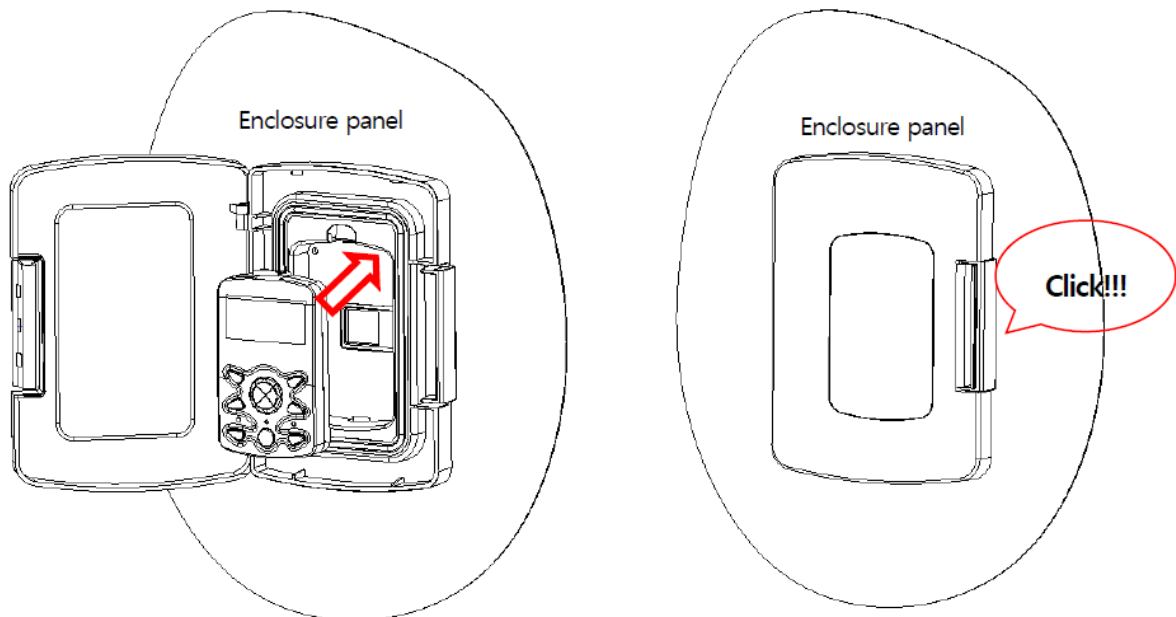



Figure 4. Keypad Installation

7. Refer to Figure 5, plug one end of the keypad cable to the female connector on the back of the keypad. Plug the other end of the keypad cable to the female connector on the front the drive. The location of the connector on the drive varies with drive type and size.

 **WARNING!**

Follow acceptable wiring practices when routing the keypad cable. Secure the loose cable to the enclosure and protect the cable from sharp edges or from being pinched in the enclosure door. Make sure that opening and closing the enclosure door does not strain the cable or connections. Route cable away from higher voltage wires (including 120V).

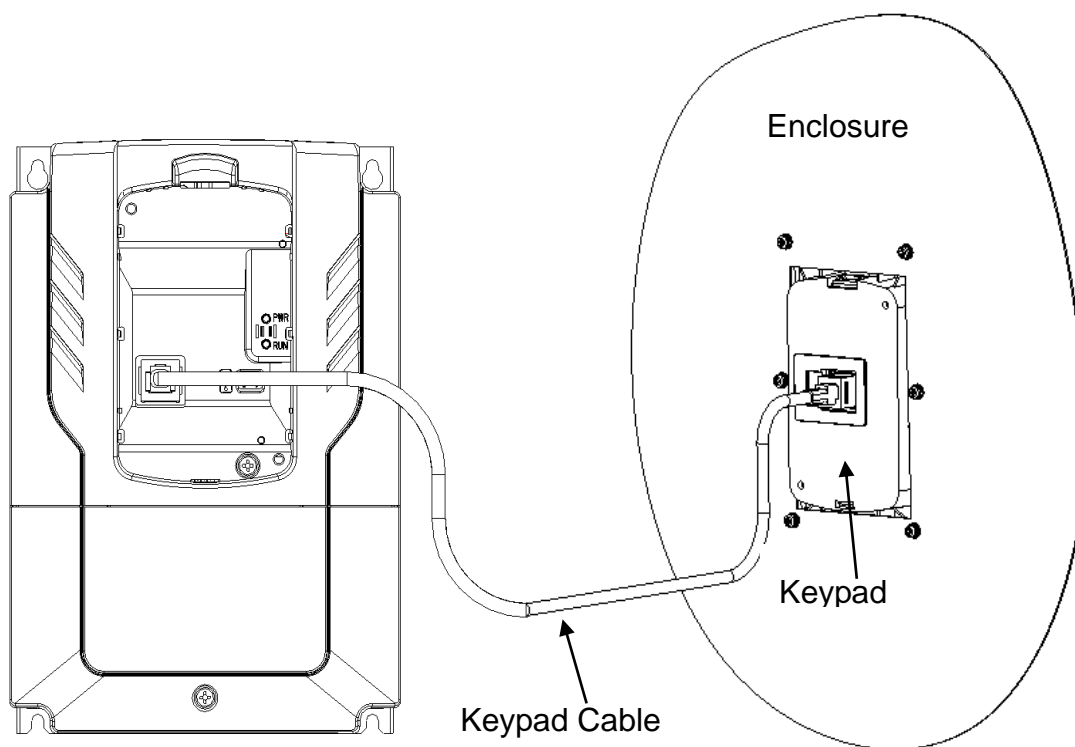


Figure 5. Keypad Cable Installation

8. Apply power to the drive and verify the keypad functions properly. Refer to the drive manual supplied with the drive.

4 Revision History

No	Date	Edition	Changes
0	04/12/2021	Initial Release	-



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