MODIFYING THE ACS355 UL TYPE 4X FOR MXXX OPTIONS

Description:

The following instructions are designed to provide a step by step procedure; how to modify the ACS355 UL Type 4X drive for Mxxx-01 (MPOW-01, MREL-01 or MTAC-01) option. If these procedures are followed and executed properly all standard product warranties apply.

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2 General Information

2.1 Description

The following instructions are designed to provide a step by step procedure; how to modify the ACS355 UL Type 4X drive for Mxxx-01 (MPOW-01, MREL-01 or MTAC-01) option. If these procedures are followed and executed properly all standard product warranties apply.

2.2 Safety in Installation and Maintenance

Refer to the safety section in the ACS355 User's Manuals listed below.

Electricity warning warns of hazards from electricity which can cause physical injury and/or damage to the equipment.

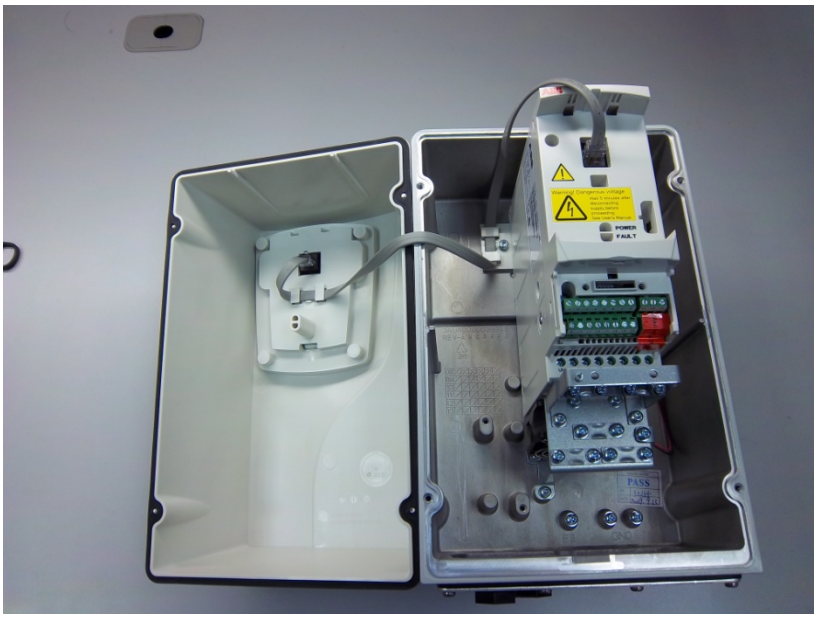
Warning! Only qualified electricians are allowed to install and maintain the drive!

- Never work on the drive, motor cable or motor when input power is applied. After disconnecting the input power, always wait for 5 minutes to let the intermediate circuit capacitors discharge before you start working on the drive, motor or motor cable.
  - Always ensure by measuring with a multimeter that
    1. There is no voltage between the drive input phases U1, V1, W1 and the ground.
    2. There is no voltage between BRK+ and BRK- and the ground.

2.3 Reference Documentation

Description	*Doc Number*
ACS355 User's manual	3AUA0000066143
ACS355 UL Type 4X Supplement User's Manual	3AUA0000066066

3 Remove & Modify the UL Type 4X Drive Cover



3.1.1 Loosen the four capsulated screws and remove cover.

3.1.2 Remove CAT5 cable from the drives cover strain relief tabs and RJ-45 connector.

3.1.3 Remove CAT 5 cable from the drives RJ-45 connector.

3.2 Using a dremel tool cut the power and fault indicator extension tab approximately a 3/16” from the cover surface.

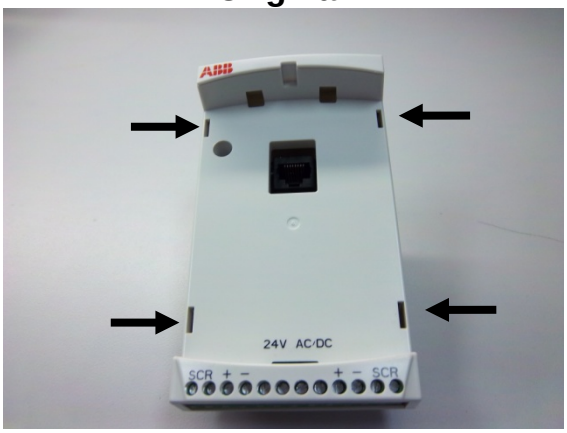
Original

Modified

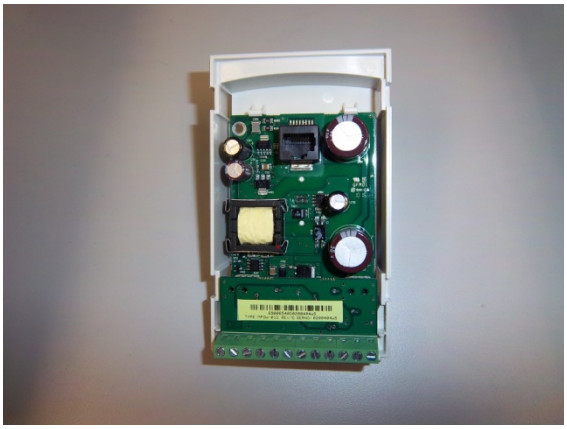
4 Modify Mxxx-01 (MPOW-01, MREL-01, MTAC-01) for UL Type 4X drive mounting.

4.1 Using a screw driver release the four securing tabs and then remove the top cover.

Original



Modified



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5 Install Mxxx-01 to ACS355 U.L Type 4X Drive

5.1 Remove the standoff and screw from the Mxxx-01 Kit.

5.2 Remove the circuit board fastening screw from the drive and insert and tighten the Mxxx-01 standoff.

5.3 Install the Mxxx-01 option onto the drive and secure using the screw provided with the Mxxx-01 kit.

6 Control Panel Access Option & Reassemble

6.1 Option 1 – Built-In Control Panel – Disconnected

Note: Option 1 will require removing the ACS355's UL Type 4x front cover to connect the drives control panel.

7 Place cover and gasket on ACS355 UL Type 4X drive and tighten the four fastening screws. Procedure is complete.

7.1 Option 2 – Blank Control Panel -

Note: Option 2 will require removing the control panel access cover to connect

the drives control panel. The control panel will have to be stored external to the drive.

7.1.1 Remove the control panel access cover.

7.1.2 Remove the control panel from the cradle.

7.1.3 Place a blank label over the Power and Fault designators.

7.1.4 Plug CAT 5 cable into the drives RJ45 connector.

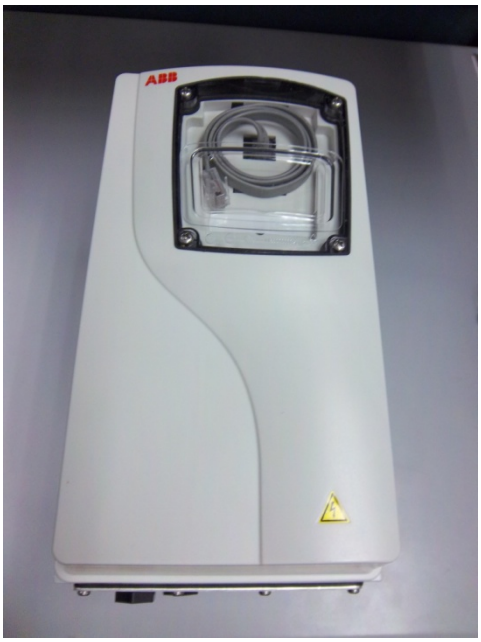
7.1.5 Feed the CAT 5 cable through the control panel access hole in the UL Type 4X front cover.

7.1.6 Place UL Type 4X front cover and gasket on the ACS355 UL Type

7.1.7 Neatly coil the CAT5 cable in the cradle

7.1.8 Install the control panel access cover

7.1.9 Tighten the four fastening screws. Procedure is complete.



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