This Application Note applies to the Unidrive M Drive Series

Using a Remote Keypad on the Unidrive M

This application note will describe how to utilize
the remote keypad option for the Unidrive M

Hardware

The Unidrive M100 does not have a remote keypad option.

The REMOTE-KEYPAD does not come with a communication cable. The SP-LCD-485 is the recommended cable. A standard Ethernet cable is not recommended. They do not have the correct twisted pairs for the pinout of the serial comms port.

When using the REMOTE-KEYPAD on the Unidrive M200 or M300, the AI-485-Adaptor is required.

If the AI-485-Adaptor is used on the Unidrive M200, M300 or M400, the REMOTE-KEYPAD requires three drive parameter adjustments prior to connecting the REMOTE-KEYPAD to the drive. These parameter adjustments are described in the REMOTE-KEYPAD Installation Sheet that comes in the box with the keypad. The built in keypad must be used to make these necessary parameter adjustments prior to connecting the REMOTE-KEYPAD. If these changes are not made, the REMOTE-KEYPAD will have a permanent status of "Initializing"
Pr 11.023 = 1 (Serial Address)
Pr 11.024 = 8 1 NP M or (5) (Serial Mode)
Pr 11.025 = 115200 or 10 (Baud Rate)

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Once these parameters are adjusted, a serial reset must be performed by setting Pr 11.020 to ON. Once complete, the REMOTE-KEYPAD will be operational.

Only the Unidrive M400 can use the CI-485-ADAPTOR. The REMOTE-KEYPAD will then work without any of the parameter changes noted earlier. This can be done with the standard CI-KEYPAD-LCD for the Unidrive M400 or the CT-USB-CABLE and Unidrive M Connect software.

When using the REMOTE-KEYPAD on the Unidrive M600, the parameter changes must be made with the standard KI-KEYPAD-LCD option or the CT-USB-CABLE and Unidrive M Connect software.

When using the REMOTE-KEYPAD on the Unidrive M700, the KI-485-ADAPTOR is required.

When using the REMOTE-KEYPAD on the Unidrive M701, the parameter changes must be made with the standard KI-KEYPAD-LCD option or the CT-USB-CABLE and Unidrive M Connect software.

When using the REMOTE-KEYPAD on the Unidrive M702, the KI-485-ADAPTOR is required.

Resources: can be found on our website: www.controltechniques.com
For help contact techsupport.cta@mail.nidec.com, or
call Technical Support at 952-995-8000, 24/7/365

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