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Find the *National Control Devices ZADSR3210PROXR* at our website: *Click HERE*

USB Module

Universal Serial Bus Communications Module



USB Communication Module

USB Communication

By selecting a board with the USB Module you will be sending commands throught the USB port of your computer to the board. The port is a USB Mini Type B port and the module is powered by the USB port of your computer. The board will mount as a virtural COM port on your computer and USB Drivers may be needed for any operating systems before Windows 7.

Great for Bench Testing

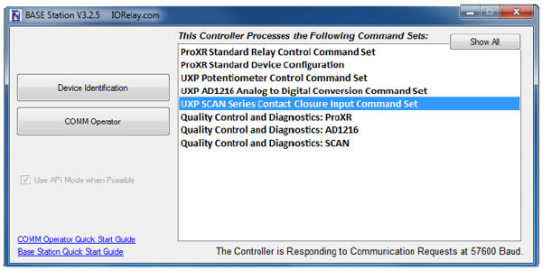
If purchased seperatly the module can replace any existing module for bench testing and configuration before the board is installed at the job site.

Connecting to the USB Module

Connect USB cable between your ZUSB Communication Interface and your computer. The ZUSB communication module should be installed into a compatible controller that supports the ZUSB communications module. The device should be powered for initial testing. Virtual COM port drivers are required before the ZUSB communication module can be used. Windows 7 typically recognizes this device without drivers, however, the latest drivers may be downloaded and installed from the following location for all operating systems: //www.ftdichip.com/Drivers/VCP.htm. After the driver is installed, open your "Device Manager" to determine the COM port your computer assigned to the ZUSB module. Windows 7 users may Click the Start > Control Panel > Device Manager. You should see "USB Serial Port" located under "Ports (COM & LPT)". For visual reference the module is equiped with a USB light that will only illuminate if the virtual COM port driver is properly installed.

Base Station Software

Download and install NCD Base Station Software. Base Station Software allows you to communicate with and test your device. When Base Station Software runs on your Windows computer, the software will identify the type of controller and will build a list command sets that are compatible with your controller.



Induction

USB is particularly sensitive to inductive loads. USB establishes high-speed communications with the motherboard of your PC. If an error is presented on the USB port, the motherboard of your computer will disconnect the device from the operating system. In the case of USB relay controllers, you will lose communications until the device is unplugged from the USB port and plugged back in. When working with USB communications in combination with inductive loads, it is absolutely essential that induction suppression capacitors are used to help prevent loss of communications. Even with these capacitors in place, the possibility does exist that capacitors will not suppress enough induction to prevent periodic communications loss.

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