



Technical Information Bulletin – W Series Product Installation

TIB04 11 May, 2010

Purpose:

This Technical Information Bulletin provides installation and commissioning instructions for Ctek's W Series products. The W series is a packaging option for Ctek SkyRouters and NetServers that provides a NEMA-4X/IP66 enclosure and offers special options such as the SkyPower electrical circuit controller.

Scope:

This Technical Information Bulletin specifically addresses those features and functions that are unique to the W Series package. Information on activating and configuring the enclosed SkyRouter can be found in the appropriate User Manual. For example this TIB will assist you in installing a W4200S cellular router. Information on activating the 4200S on the Verizon or Sprint network can be found in the Z4200S User Manual.

Benefits

The W Series package provides the user with a unique set of capabilities. For instance, since the enclosed SkyRouter is in a weather proof case it can be located close to the devices it is monitoring or controlling. This same install-anywhere capability allows you to install the unit where it will get the best cellular signal while the stealth antenna minimizes the risk of vandalism. And, because the W Series models use a self contained power supply/regulator power can be supplied to the unit through a conduit from inside a building or electrical panel. W Series packaging also provides an appropriate platform for the SkyPower power control option. This feature set provides the user with the capability of turning on or off electrical loads up to 240 volts at 15 amps over cellular networks using a web browser or SMS (text messaging) commands. It can be used for power switching, equipment reset, or as an intermediate stage to handle even heavier electrical loads.

Overview

Figure 1 shows a complete W4200S SkyRouter including the SkyPower power control feature and an optional cable gland to provide external connectivity to the SkyRouter's broadband connection. If required additional cable glands can be installed for serial communications or to provide external access to the SkyRouter's relay contact sensor.



Technical Information Bulletin – W Series Product Installation TIB04 11 May, 2010

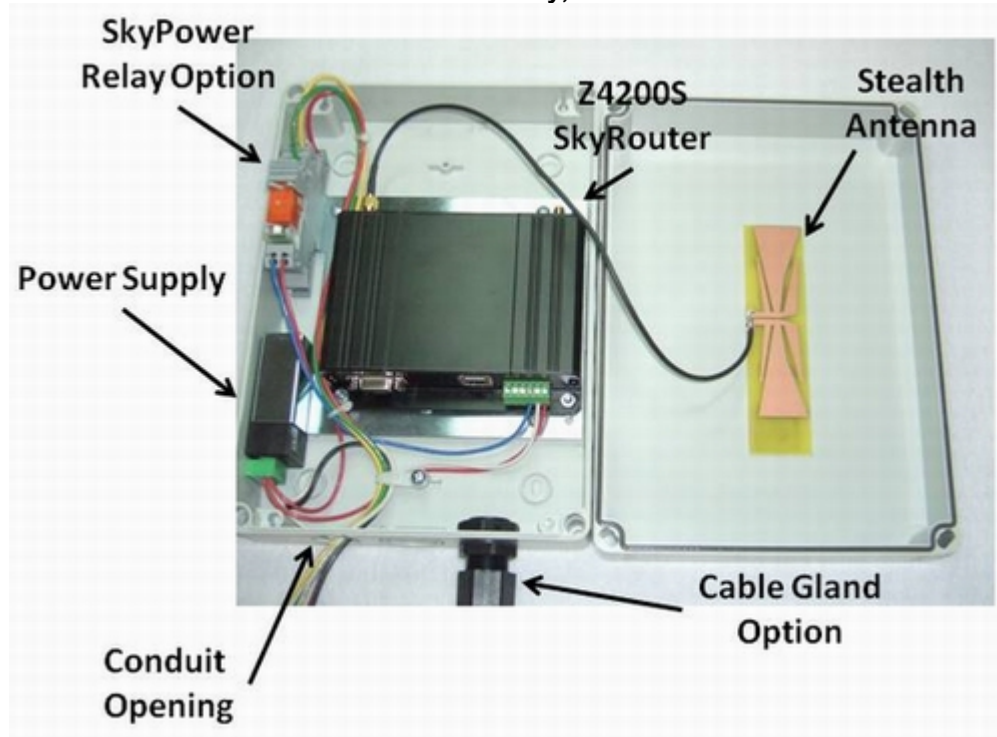


Figure 1

Electrical Connections

W Series products are supplied with six foot flying lead connections for power and optionally for SkyPower relay connections. **Figure 1** shows the standard placement of the conduit opening which is sized for 1/2 inch conduit. Enclosure knockouts are available for cable gland fittings as required.

Figure 2 shows the electrical connections for power and optionally for the SkyPower relay connections.

Figure 3 shows the details of an Ethernet cable using the cable gland option. The standard cable gland offered will pass through an already terminated RJ45 connector. DB9 serial connections require that the connector be terminated inside the box after the cable has been passed through the cable gland.



Technical Information Bulletin – W Series Product Installation
TIB04 11 May, 2010

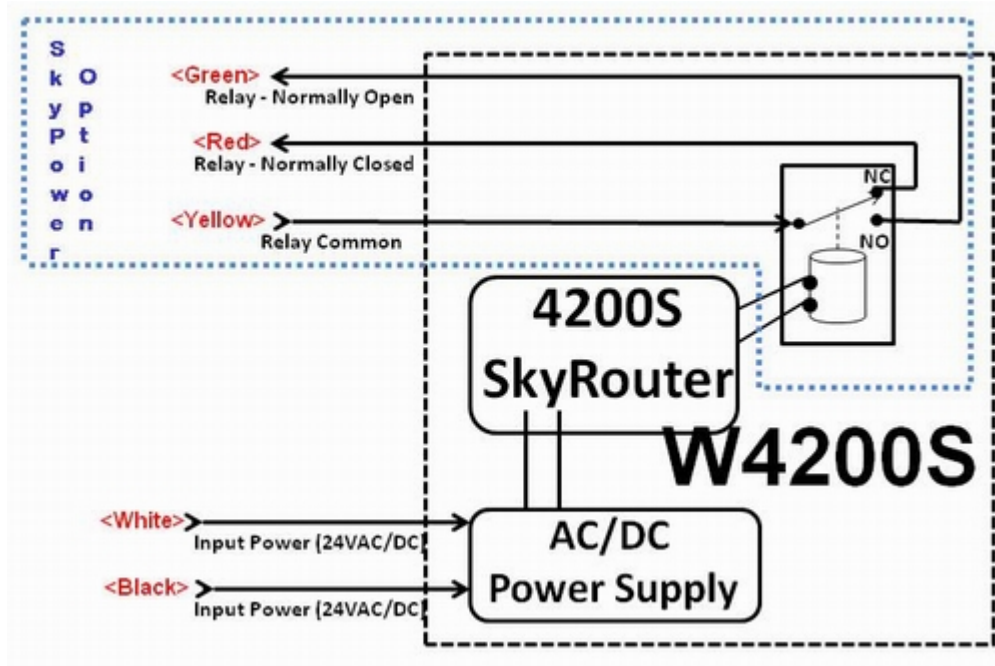


Figure 2

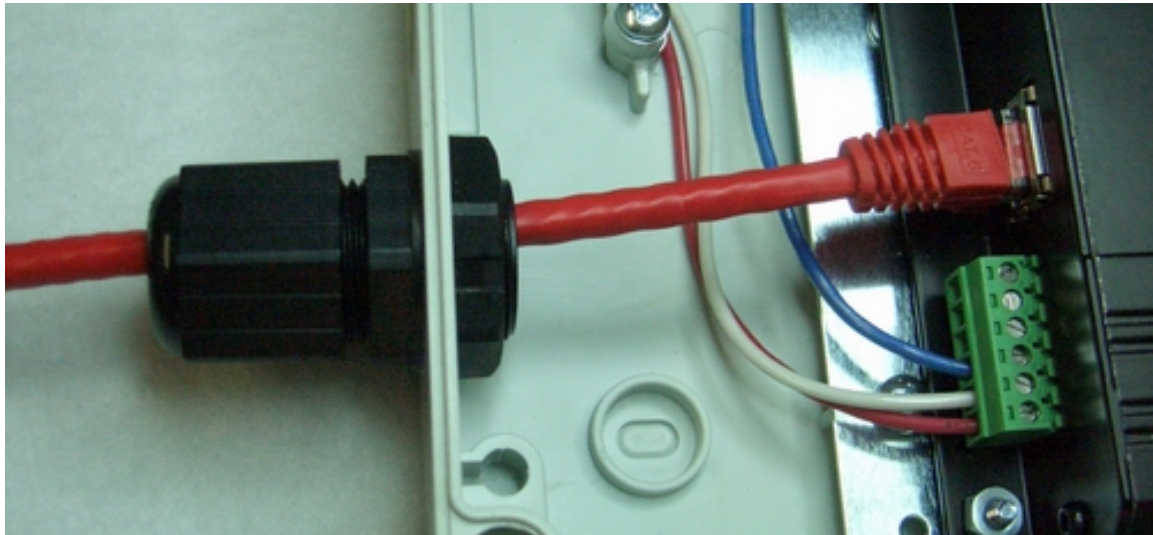


Figure 3