



## D9133TTL-E Ethernet Interface Module Installation Instructions

### Description

The D9133TTL-E is an SDI bus device for use with the 9000/7000 Series Control/Communicators (D9412, D9112, D7412, D7212). The D9133TTL-E is used for bi-directional communications over Ethernet networks which are typically used for event reporting and remote programming.

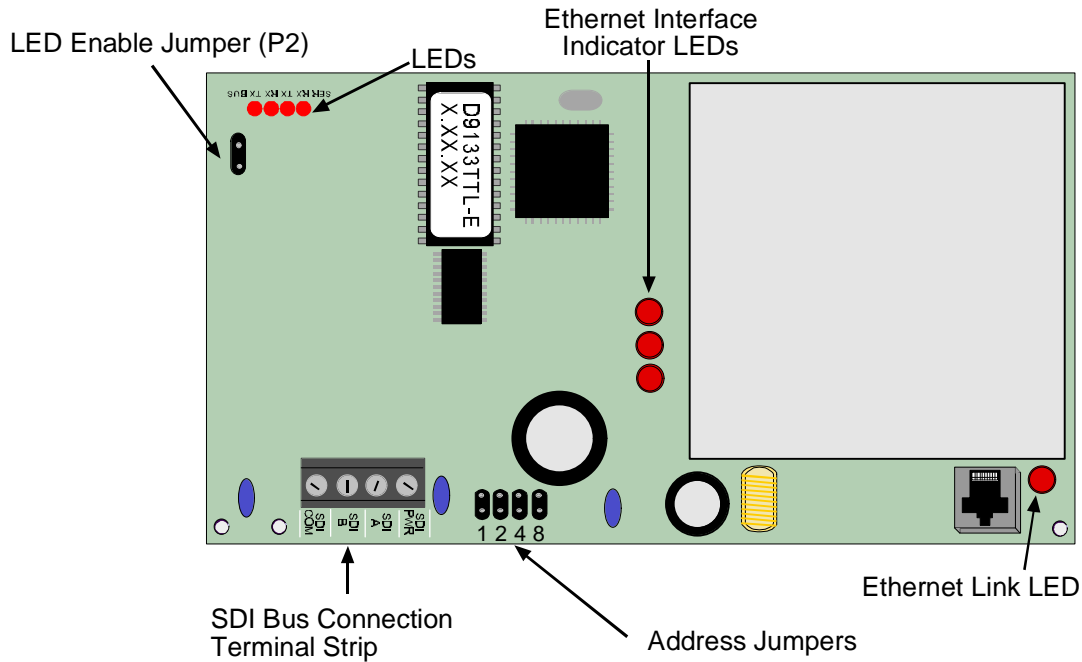


Figure 1: D9133TTL-E Circuit Board Layout

### Specifications

- **Dimensions:** 7 inches x 4.5 inches (17.8 cm x 11.4 cm)
- **Current Draw:** 500 mA
- **Compatibility:** D9412, D9112, D7412, D7212 Control/Communicators with firmware version 05.22 and higher
- **Connectors:** Control Panel: SDI Bus Terminal Strip  
LAN/WAN: 'RJ' Modular Jack (Ethernet)

### Installation

1. Remove AC and battery power from the Control/Communicator.
2. Wire the D9133TTL-E to the Control/Communicator as indicated in Figure 2 and in the table below.

Control/Communicator	D9133TTL-E
SDI PWR (Terminal 32)	SDI PWR
SDI A (Terminal 31)	SDI A
SDI B (Terminal 30)	SDI B
SDI COM (Terminal 29)	SDI COM

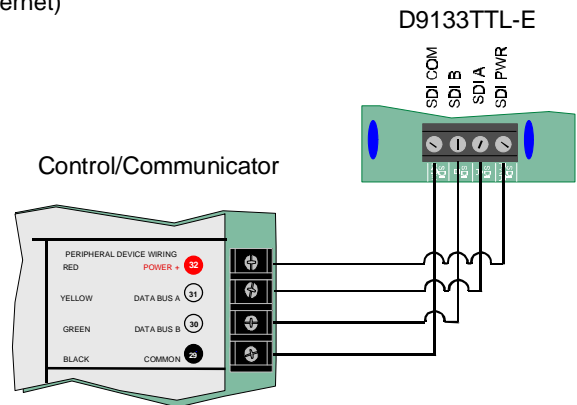


Figure 2: Wiring the D9133TTL-E

**NOTE:** SDI device wiring is limited to 1,000 feet (304.8 meters).

3. Connect an Ethernet cable to the Modular Jack labeled Ethernet.
4. Set up the D9133TTL-E as described on page 2.
5. Reconnect AC and battery power to the Control/Communicator and power up the system.

## Setup

### Programming the Address

The D9133 address is set by placing and removing jumpers from the "Address Pins" (see Figure 3 for location of Address Pins). The following defines the current addresses that may be used:

- SDI Address 88 = Alternate Communication (Jumper 8 installed)

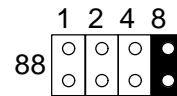


Figure 3: Address Pin Placement

**NOTE:** The D9133TTL-E address configuration is read only at D9133TTL-E power-up. If the address configuration is changed while the D9133TTL-E is powered, a power reset must be performed so that the D9133TTL-E can re-configure its address.

### LEDs

To enable the LEDs, place the jumper across the LED Enable Jumper (P2). The function of the LEDs is described below:

- BUS RX: Flashes when the panel talks to any SDI device. (Normally this LED continually flashes when the Reset Pin is up.)
- BUS TX: Flashes when the D9133TTL-E sends data to the panel.
- SER RX: Flashes when data is received into the Ethernet port on the D9133TTL-E.
- SER TX: Flashes when data is transmitted to the Ethernet port on the D9133TTL-E.

### LED Enable Jumper (P2)

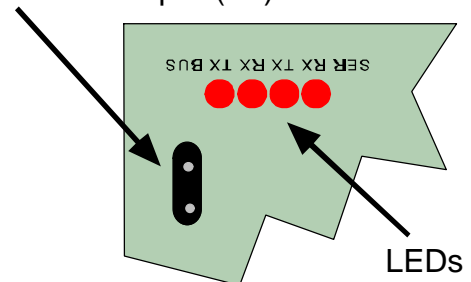


Figure 4: Diagnostic LEDs and the LED Enable Jumper

### Status LEDs

The C900TTL-E has three Ethernet status LEDs. These LEDs will flash until the C900 connects to the Ethernet. Once the C900 is connected the LEDs will remain steady. If the LEDs continue to flash, the C900 is having trouble connecting to the Ethernet. The Ethernet Link LED should be on steady when a connection is established with the Ethernet.

### Panel Programming

Panel programming may be required depending on the application used for the D9133TTL-E. For more information, consult the documentation for the specific application to be used.

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Radionics, P.O. Box 80012  
Salinas, California, USA 93912-0012