

TRANS·LUX®



PROWRITE™ MESSAGE CONTROLLER INSTALLATION MANUAL

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DISCLAIMER

The suggestions and recommendations within this document are intended as a guide for the installation of ProWrite™ software on a PC and for connecting to a sign. While Trans-Lux believes the instructions contained herein are accurate and correct, Trans-Lux does not warrant the accuracy or correctness of such instructions and there are no warranties, expressed or implied and not limited to any warranties of merchantability of fitness for a particular purpose.

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Good data processing procedures dictate that any program is thoroughly tested with non-critical data before relying on it. Such procedures should include verifying that the final content created in ProWrite appears satisfactory to the user when displayed on a connected sign. The user must assume the entire risk of using the program.

These installation recommendations are subject to change without notice.

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INTRODUCTION

ProWrite™ is a software tool for creating digital sign content and programming the signs to show the content. This manual provides procedures for installing the ProWrite software, configuring the software to operate a CaptiVue sign, and getting started using ProWrite.

ProWrite may communicate with signs in various fashions depending on upon the customer's installation circumstances. All communication uses TCP/IP and can be set up using a Direct or a Networked connection between ProWrite and a Sign. The hardware used for the connection can vary and may include wired or wireless connections.

The major steps for ProWrite™ installation are:

1. Connect the sign with the PC.
 - The installer will need to determine connection type.
 - Static IP addresses may, or may not need to be set on the PC and the Sign.
2. Installing the ProWrite software on the PC.
 - Administrative rights and an internet connection will be required at the time of installation.
 - Setup.exe is run from the ProWrite CD.
 - ProWrite is activated by
 - Customer emailing Trans-Lux a **seed key** and
 - Trans-Lux responding with a **registration number**, and
 - Customer transferring the registration number to ProWrite.
3. Setting up the ProWrite software to communicate with the sign.
 - The sign IP address, port number, username, and password will be required.
4. Using the software for the first time.
 - Quick Start instructions are provided as part of the online Help.

CUSTOMER SETUP INFORMATION

ORDER INFORMATION

If Help Desk assistance is ever needed, the following information will be used to aid you in your discussions with the service representatives and expedite your call. Please record the following information:

Trans-Lux Sales

Order Number:

This number is found in the upper right hand corner of the packing slip or invoice.

Model Number:

This number is found on the lower right corner of the CaptiVue sign.

Installation Date:

Dealer Info:

CAPTIVUE SIGN IP SETTINGS

Installing and setting up ProWrite will require the following information:

	Factory Settings	Customer Assigned Settings
IP Address:	192 • 168 • 20 • 3	• • •
Subnet Mask:	255 • 255 • 255 • 0	• • •
Default Gateway:	192 • 168 • 20 • 1	• • •
User Name:	root	
Password:	root	

Warning: Please note any changes made to the CaptiVue sign settings. Not having these settings could prevent ProWrite from connecting to the sign.

PROWRITE IP SETTINGS

	Factory Settings	Customer Assigned Settings
IP Address:	192 • 168 • 20 • 3	• • •
Port Number:	2011	

CAPTIVUE UTILITY IP SETTINGS

	Factory Settings	Customer Assigned Settings
IP Address:	192 • 168 • 20 • 3	• • •
Port Number:	2501	

WIFI ROUTER IP SETTINGS

	Factory Settings	Customer Assigned Settings
IP Address:	192 • 168 • 20 • 1	• • •
Port Number:	2011	

WIFI ANTENNA IP SETTINGS

	Factory Settings	Customer Assigned Settings
IP Address:	192 • 168 • 20 • 2	• • •
Port Number:	2011	
Default Gateway:	192 • 168 • 20 • 1	• • •

CUSTOMER FIREWALL SETTINGS

Ports 22, 2011, 2501 and 2502 must be configured for port forwarding.

MINIMUM COMPUTER REQUIREMENTS

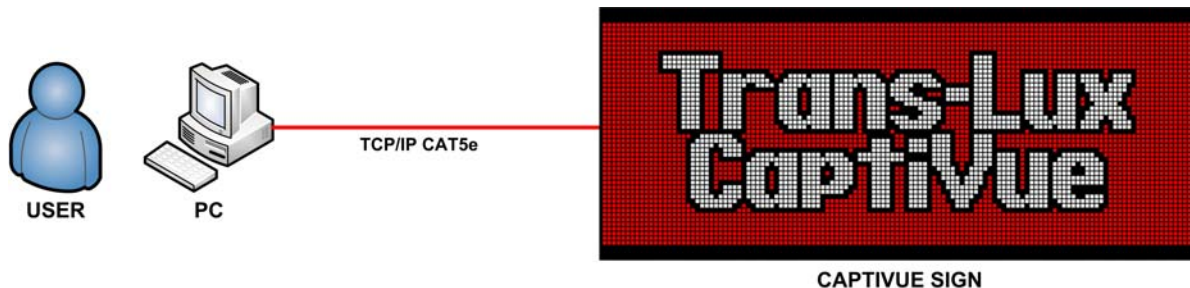
- PC with Window XP or Vista Operating System
- 2GB RAM
- 20 GB available hard disc space
- TCP/IP connection.
- WiFi 802.11a/b/g/n card (optional for wireless connection).
- Static IP address with subnet mask and port number required for Networked, LAN, Internet and Wi-Fi router connections.
- High speed LAN and internet connections as needed depending on connection type.
- High speed internet connection during the software installation.

Note: Microsoft .Net Framework will be installed on your PC when ProWrite is installed.

CONNECTION OPTIONS

DIRECT CONNECTIONS

CAT5E (TCP/IP)



For connection details, refer to **01-9200-49 TCP/IP Direct Connection Drawing** on page 15.

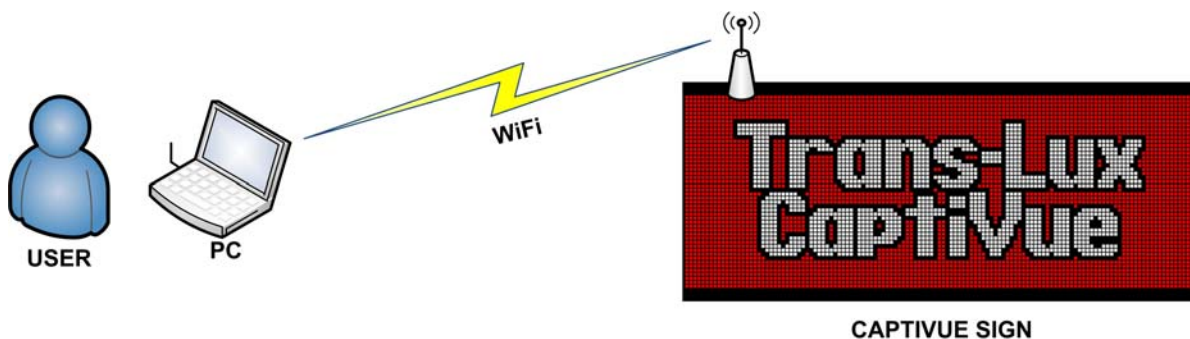
ProWrite PC Setup:

- Static IP.
- Subnet must match Sign subnet.

CaptiVue Sign Setup:

- Static IP (unique from PC).
- Sign and PC Subnet must match.

Wi-Fi (ACCESS POINT)



For connection detail, refer to **01-9200-47 Wi-Fi Access Connection Drawing** on page 14.

ProWrite PC Setup:

- Automatically assigned IP (DHCP) by Wi-Fi Router.

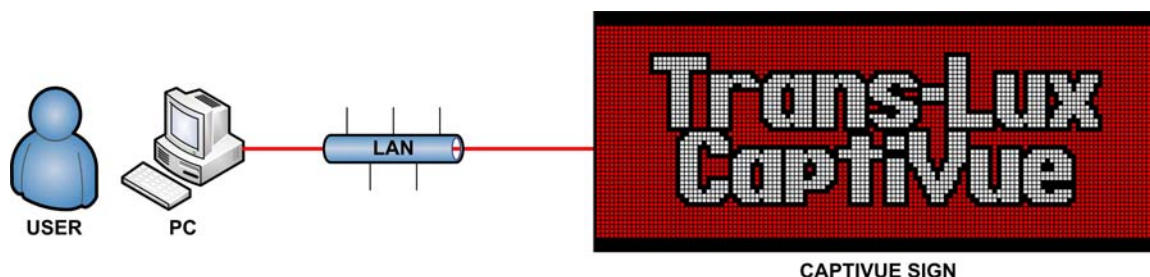
CaptiVue Sign Setup:

- Static IP.
- Sign (CXC) and the sign's internal router subnet will be matched at the factory.

NETWORK CONNECTIONS

Warning: *Network connections are inherently complicated due to the wide range of equipment that the customers may already have. There are numerous ways networks may be configured. Networked connections must be set up by properly authorized and qualified network administrators. The setups below are for reference only.*

LAN



For connection details, refer to **01-9200-50 Cat5e LAN Connection Drawing** on page 16

ProWrite PC Setup:

- IP configured by network administrator. Typically automatically assigned IP by the network (DHCP).

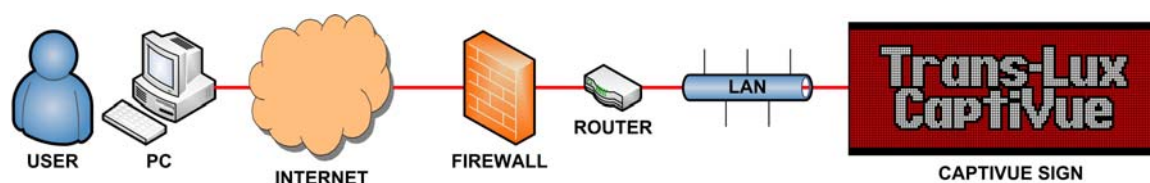
Network Setup:

- Unique static IP reserved for sign.

CaptiVue Sign Setup

- Static IP must match IP reserved in network.
- Subnet matches network subnet.
- Refer to **Setting the Sign IP Address** on page 6.

INTERNET



For connection details, refer to **01-9200-51 Internet Connection Drawing** on page 17.

ProWrite PC Setup:

- PC must have active internet connection.

Network Setup:

- Customer firewall configured for port forward of ports: 22, 2011, 2501 and 2502.
- Unique static IP reserved for sign.

CaptiVue Sign Setup:

- Static IP must match IP reserved in network.
- Subnet must match the network subnet.
- Refer to **Setting the Sign IP Address** on page 6.

SETTING THE SIGN IP ADDRESS

Your CaptiVue sign was shipped with a preset static IP address as shown on page 2, **CaptiVue Sign IP Settings**. It may be necessary to assign a new IP address, subnet mask, and default gateway so the sign operates within your network. Consult with your network administrator for additional details.

The settings are changed using the CaptiVue Utility that came on your ProWrite CD. The CaptiVue Utility is also installed on your computer when ProWrite is installed.

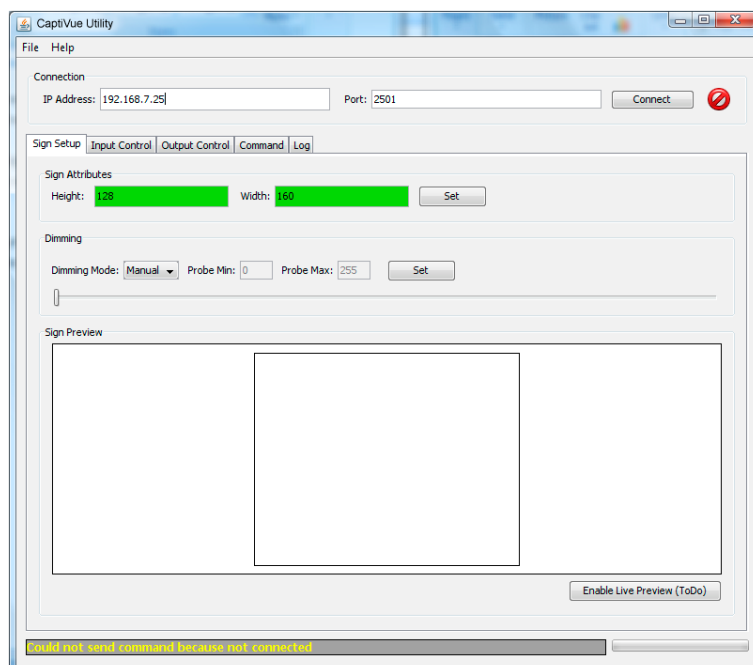
WARNING: *Once your IP address is changed, you must have the new IP address for any further communication with the sign. If the IP address is changed and lost, communication cannot be restored without returning the sign's controller to Trans-Lux.*

TO CHANGE THE TCP/IP SETTINGS:

1. Establish a connection to the Sign
 - If you do not have an established connection to the sign:
 - a. Plug a Cat5e network cable between a computer and the TCP/IP port located in either the junction box on the back of the CaptiVue or on the CXC controller located in the sign. Refer to 01-9200-49 TCP/IP Direct Connection Drawing on page 15.
 - b. Set the PC's IP to a static IP and subnet as shown on page 2, **CaptiVue Sign IP Settings**. Refer to instructions on section **Setting the PC IP Address** on page 8.

Note: *The Computer's IP address and the sign's IP address must be unique. The Computer and Sign's 'Subnet' must be the same.*

- If you have an established connection with the sign (i.e. ProWrite or the CaptiVue Utility successfully communicate to the sign), you may use this connection for changing the TCP/IP Settings.
2. Start the CaptiVue Utility:
Windows > Start > All Programs > ProWrite > CaptiVue Utility, or
navigate to the **CaptiVue Utility** located on the provided ProWrite CD.

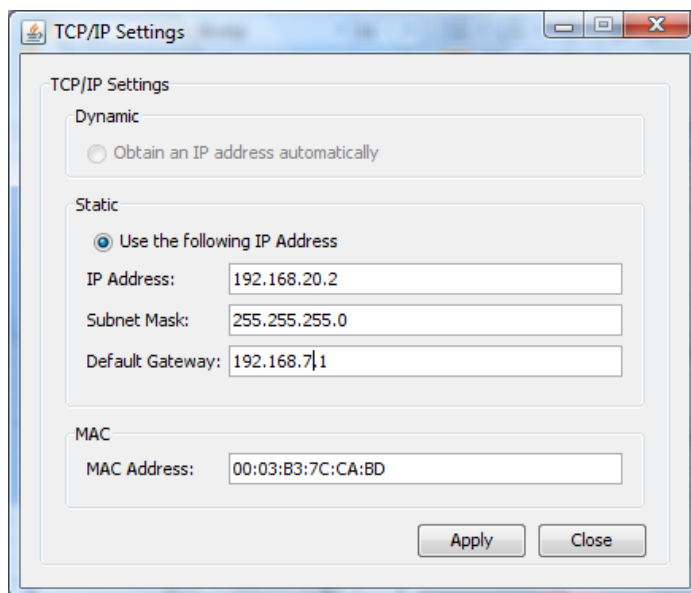


3. Connect to the Sign

- Enter the sign's IP address (as last set) and Port 2501 and then press **Connect** button.
- **CaptiVue Utility > File > TCP/IP Settings**
- Change to the desired settings.
- Press **Apply** button, then **Close** button.

WARNING: *The changes will not take affect until you save changes and restart the sign.*

4. After closing the TCP/IP Settings window, save the new settings permanently by clicking **File > Save** from the menu. Now restart the sign by cycling the power to the sign.
5. Record the new IP address settings in a safe place — **CaptiVue Sign IP Settings** on page 2 of this manual would be one potential place. Do not loose the new IP address.



SETTING THE PC IP ADDRESS

The PC's IP address must be set properly for it to communicate with the CaptiVue CXC.

WINDOWS VISTA

TCP/IP CAT5E CONNECTION

- Click **Start / Settings / Control Panel**.
 - Double click **Network and Sharing Center**.
 - Click **Manage Network Connections** under **Tasks** on left side of window.
 - Right click **Local Area Connection**.
 - Click **Properties** from menu drop down.
 - If **User Account Control** dialog window opens, select **Continue** button.
 - Click **Internet Protocol Version 4 (TCP/IPv4)** so that it's highlighted.
 - Click **Properties** button.
 - Click **Use the following IP address:** radio button.
 - Type **192.168.20.21** for IP address.
 - Type **255.255.255.0** for Subnet mask.
 - Click **OK** button.
 - Click **OK** button.

WiFi (WIRELESS) ACCESS POINT CONNECTION

- Click **Start / Settings / Control Panel**.
- Double click **Network and Sharing Center**.
 - Click **Manage network connections** under **Tasks** on left side of window.
 - Right-click **Wireless Network Connection**.
 - Click **Properties** from menu drop down.
 - Click **Internet Protocol Version 4 (TCP/IPv4)** so that it's highlighted.
 - Click **Properties** button.
 - Click **Use the following IP address:** radio button.
 - Type **192.168.20.21** for IP address.
 - Type **255.255.255.0** for Subnet mask.
 - Click **OK** button.
 - Click **OK** button.

WINDOWS XP

TCP/IP CAT5E CONNECTION

- Click **Start / Settings / Control Panel**.
 - Double-click **Network Connections**.
 - Right-click **Local Area Connection**.
 - Click **Properties** from menu drop down.
 - Click **Internet Protocol (TCP/IP)** then **Properties** button or double-click **Internet Protocol (TCP/IP)**.
 - At **Local Area Connection Properties**, click **Use the following IP address:** radio button.
 - Type **192.168.20.21** for IP address.
 - Type **255.255.255.0** for Subnet mask.
 - Click **OK** button.
 - Click **OK** button.

WiFi (WIRELESS) ACCESS POINT CONNECTION

- Click **Start / Settings / Control Panel**.
 - Double click **Network Connections**.
 - Right click **Wireless Area Connection**.
 - Click **Properties** from menu drop down.
 - Click **Internet Protocol (TCP/IP)** so that it's highlighted.
 - Click **Properties** button.
 - Click **Use the following IP address:** radio button.
 - Type **192.168.20.21** for IP address.
 - Type **255.255.255.0** for Subnet mask.
 - Click **OK** button.
 - Click **OK** button.

SOFTWARE INSTALLATION

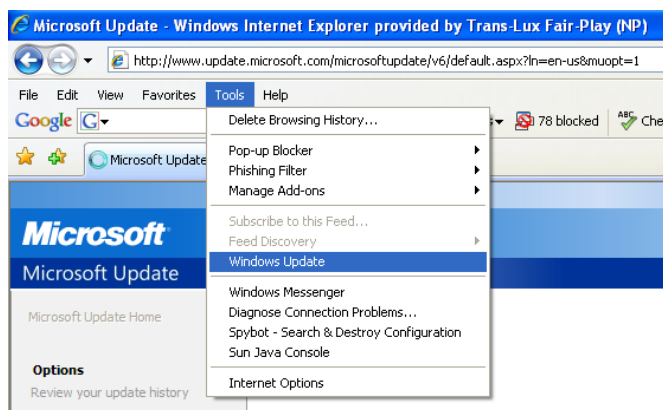
To install software to your PC you must have an **internet connection** and **administrative rights** to your PC.

Note: *A high speed internet connection is required at the time of the software installation.*
If your PC does not already have Microsoft .NET Framework version 3.5 installed, an extended download time may be required.

RUN WINDOWS UPDATES

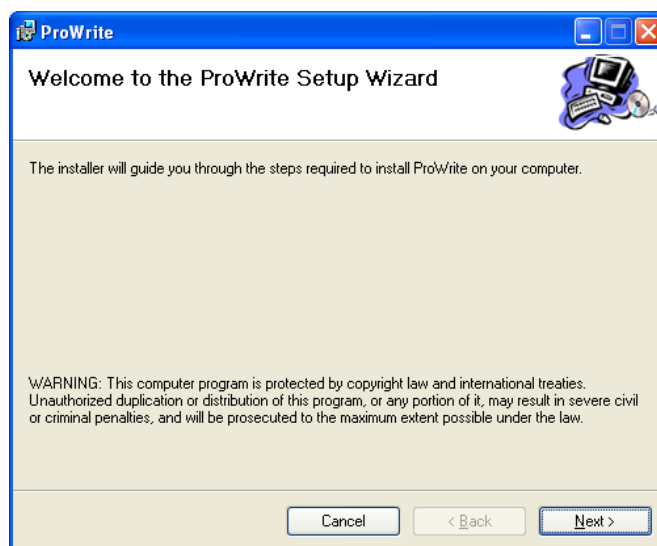
Update the Microsoft Windows XP or Microsoft Windows Vista PC to the latest service packs and bug fixes.

1. Open the **Microsoft Internet Explorer / Tools / Windows Update**. This will take you to the Microsoft Windows Update site. Select “Install” at any pop up boxes from Microsoft Corp. This will install any missing ActiveX controls the web page needs to load.
2. Select the Update Windows button and install all updates.
3. Repeat step one until there are no further updates required.

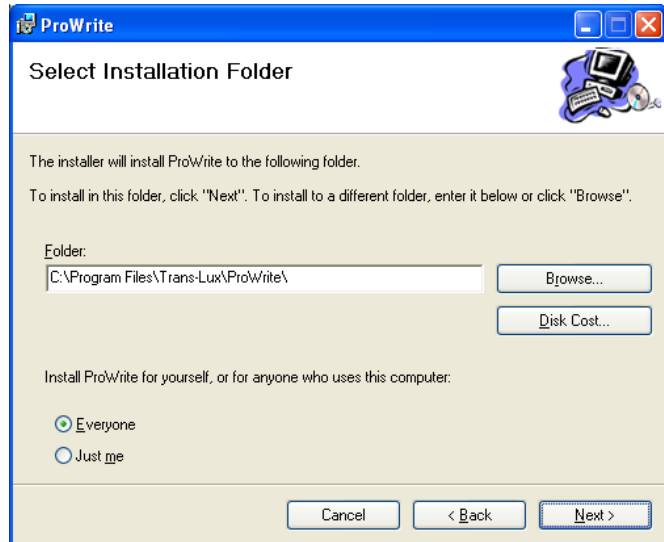


INSTALL PROWRITE

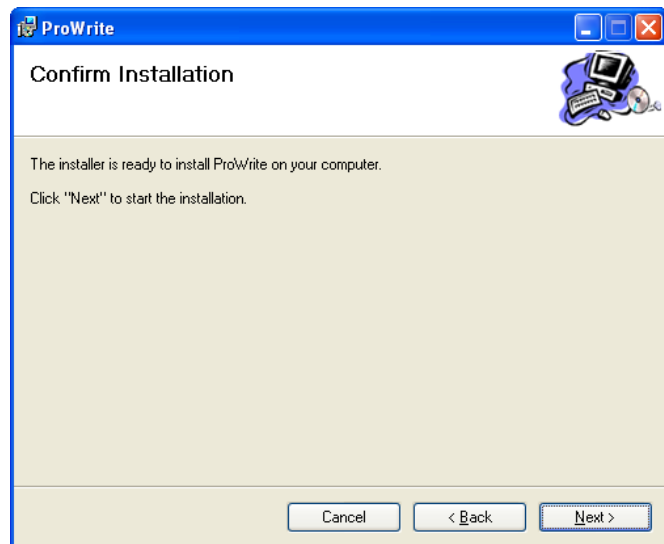
1. Place the ProWrite CD into the CD drive of your PC.
2. Run the file “Setup.exe” located in the root directory of the ProWrite CD.
 - a. At the ProWrite Setup Wizard screen, press the **Next >** button.



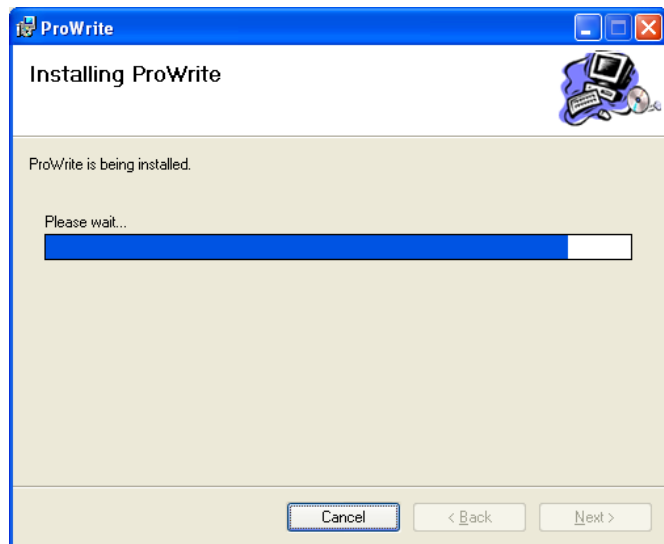
- b. At the Select Installation Folder dialog, accept the default values by simply pressing the **Next >** button.



- c. At the Confirm Installation dialog box, press the **Next >** button.

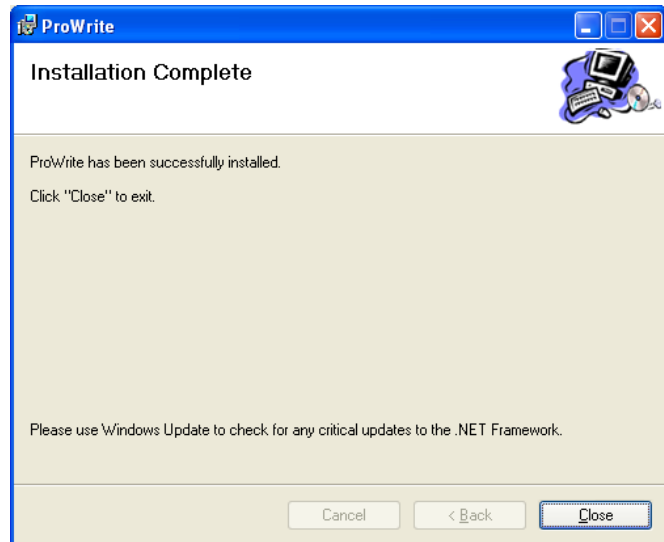


- d. ProWrite will then install itself to the default location and settings.
- [C:\Program Files\Trans-Lux\ProWrite\]
 - Accessible by everyone on the installed machine



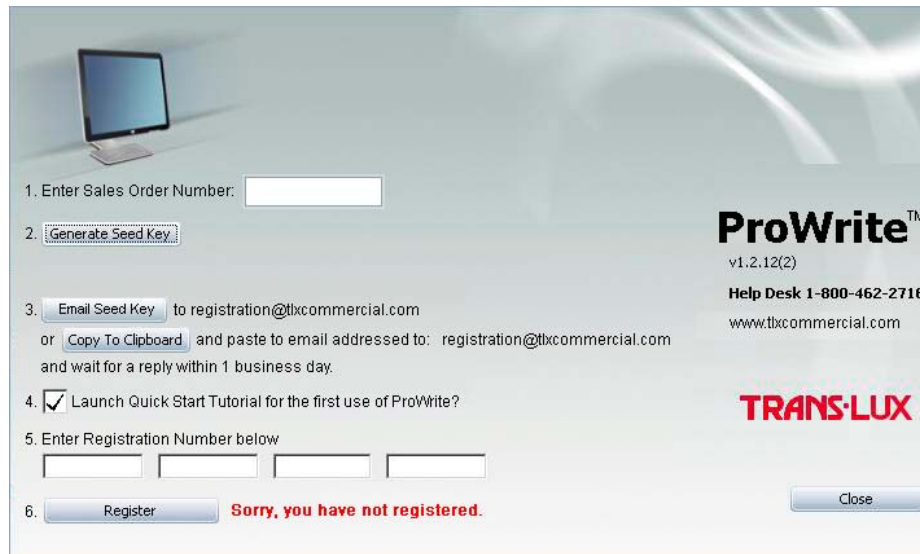
Note: If ProWrite fails to install due to a lack of .NET Framework, run **dotnetfx35.exe** located on your ProWrite CD.

- e. After install action is complete, exit the installer by pressing the **Close** button



3. Run ProWrite.

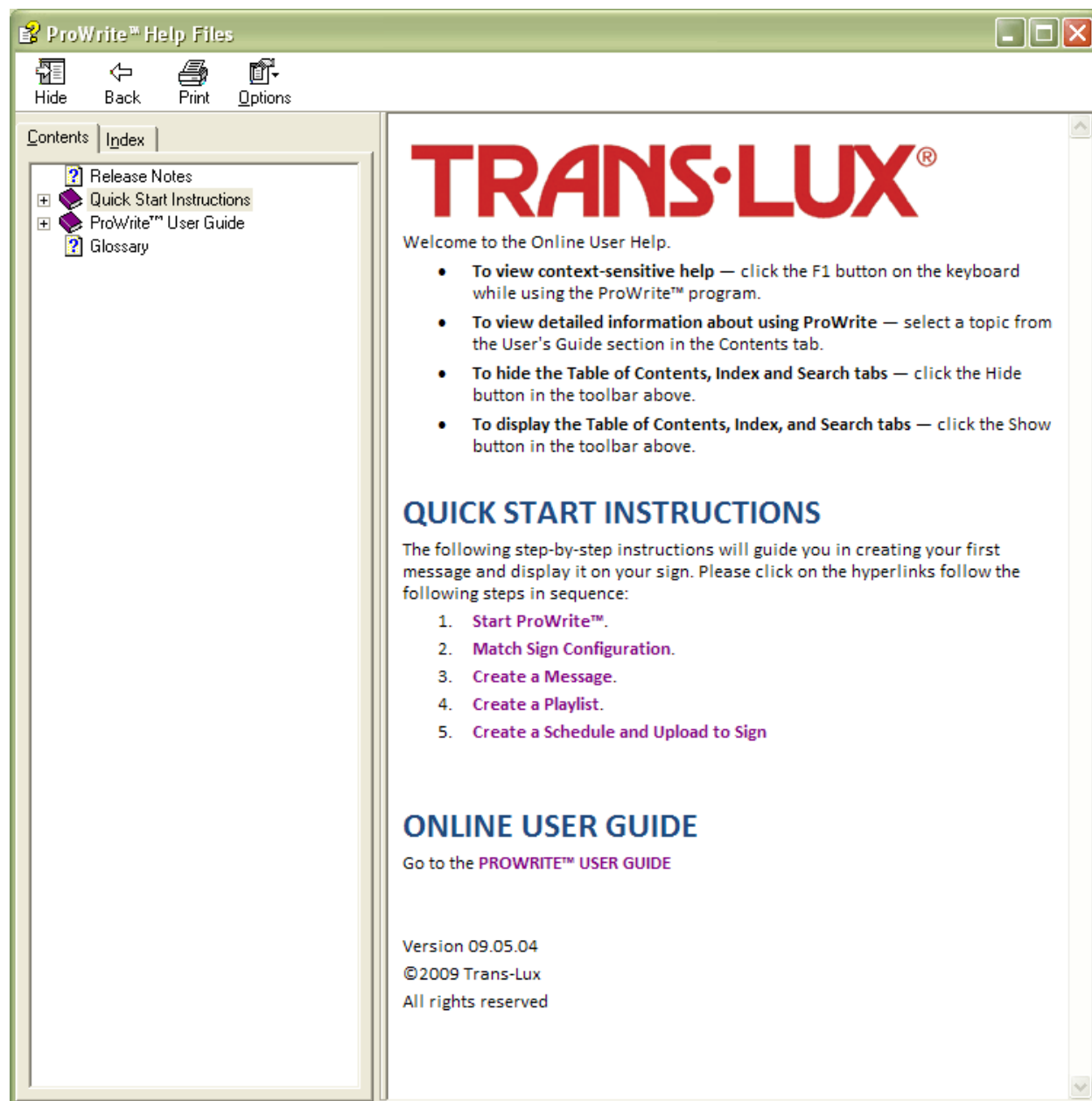
- a. Start / Programs / ProWrite / ProWrite
- b. Upon first usage, ProWrite will require activation. ProWrite will prompt with a screen similar to the one below.



- c. Enter the Sales Order Number (located on the Install CD or on page 2, then press "Generate Seed Key" button. Wait for the ProWrite Seed Key numbers to appear in blue below the Sales Order Number.
- d. Click "Email Seed Key" button and this will automatically start an email addressed to registration@tlxcommercial.com or
- e. Click "Copy To Clipboard" button. Keep the dialog window open and start a new email.
- f. Paste (Ctrl+V) the ProWrite Seed Key number to the email and send the email to:
- **registration@tlxcommercial.com.**
- g. You will receive an email reply containing the ProWrite Registration Number. Enter the number on the dialog box in the space below "ProWrite Registration Number".
- h. Press "Register" button.

PROWRITE QUICK START

For instructions on how to use Online Help and a quick lesson in creating messages on ProWrite, press F1 button and select **Quick Start Instructions**.

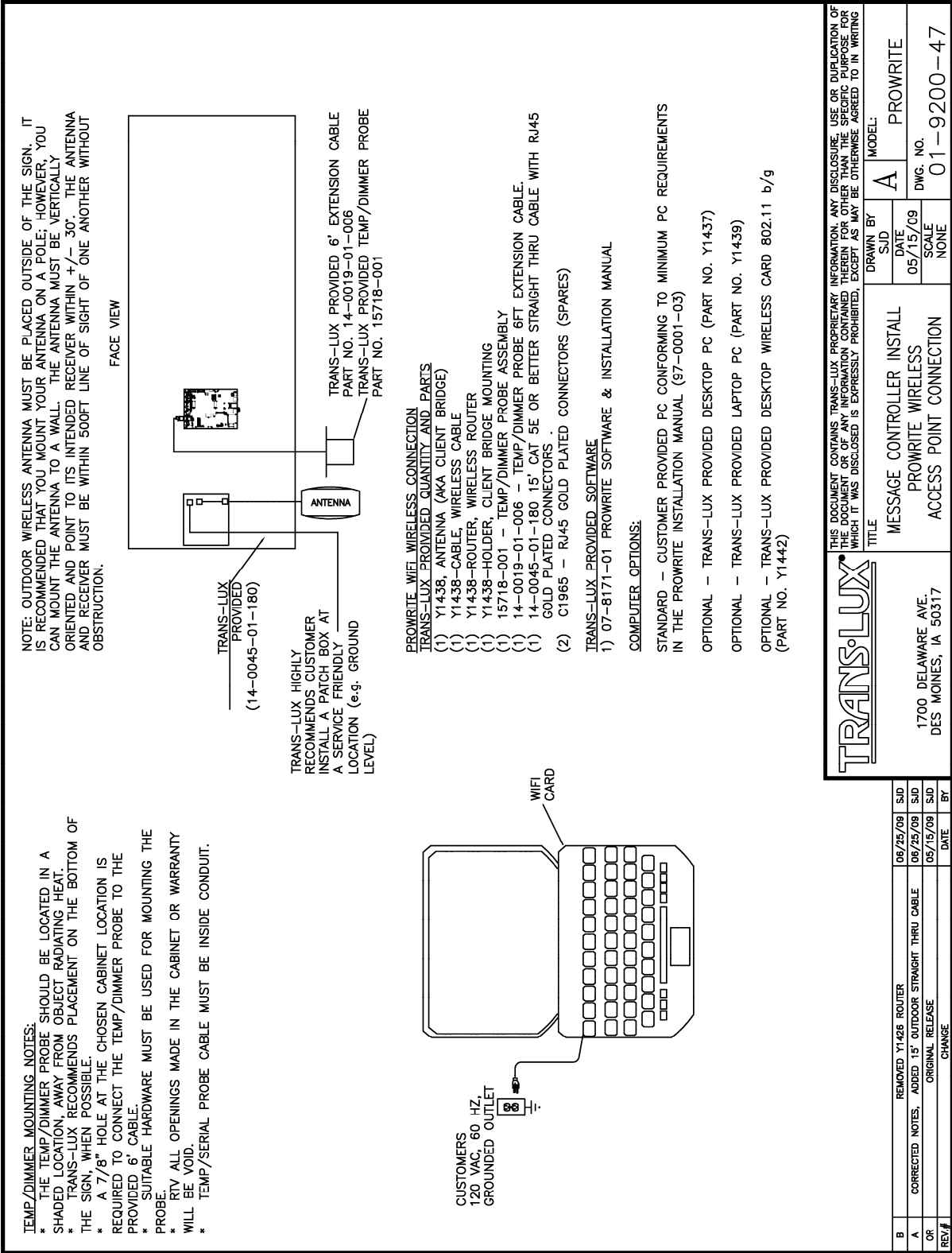


SERVICE

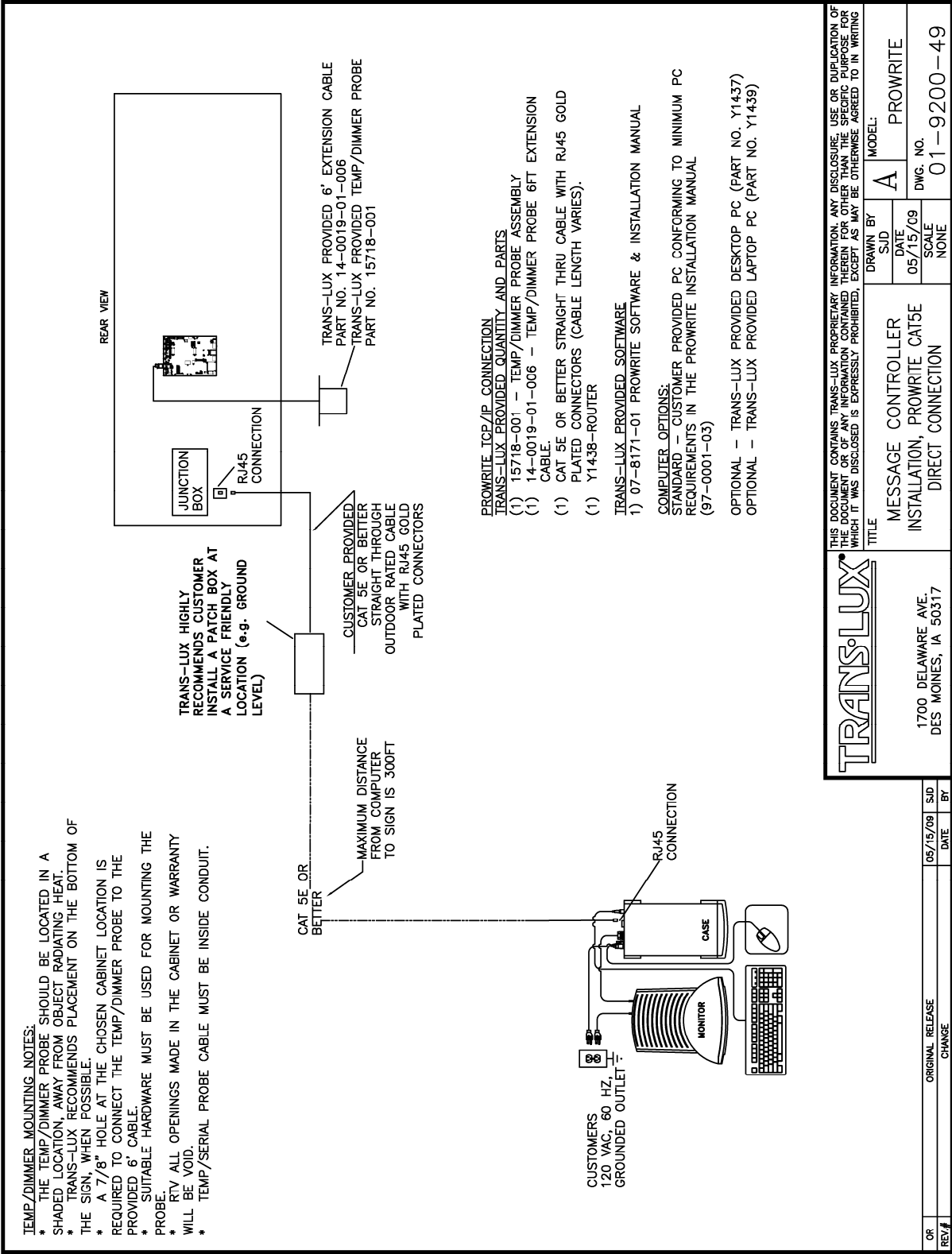
If further help is needed, please contact a Trans-Lux service representative in your Trans-Lux dealer organization or phone the Trans-Lux Help Desk at **(800) 462-2716**.

INSTALLATION DRAWINGS

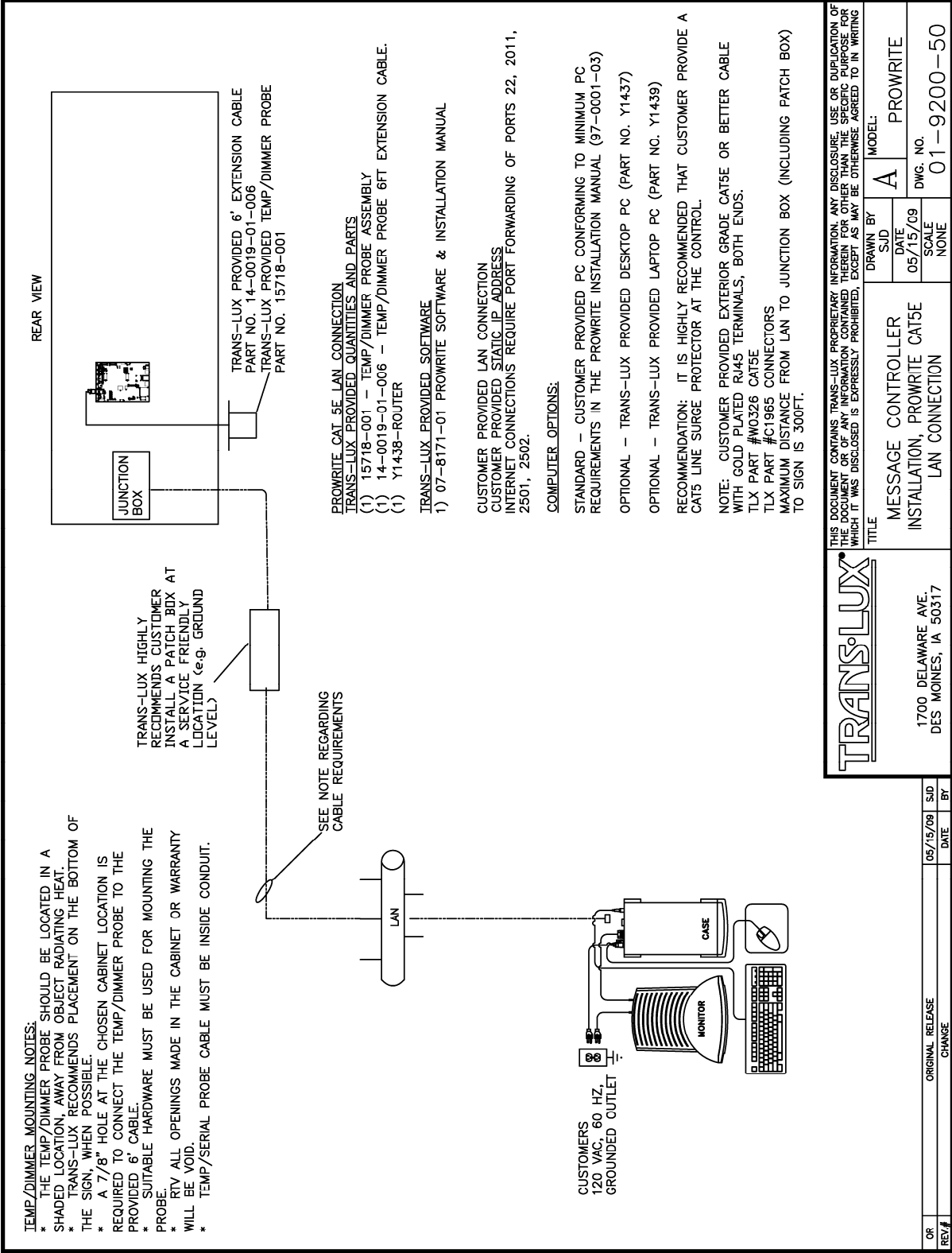
01-9200-47 WI-FI ACCESS CONNECTION DRAWING



01-9200-49 TCP/IP DIRECT CONNECTION DRAWING



01-9200-50 CAT5E LAN CONNECTION DRAWING



01-9200-51 INTERNET CONNECTION DRAWING

