

## OzLine – TOP Installation Guide



This manual will guide you through the installation procedures and trouble shooting of the OzLine-TOP system.

**This manual consists of:**

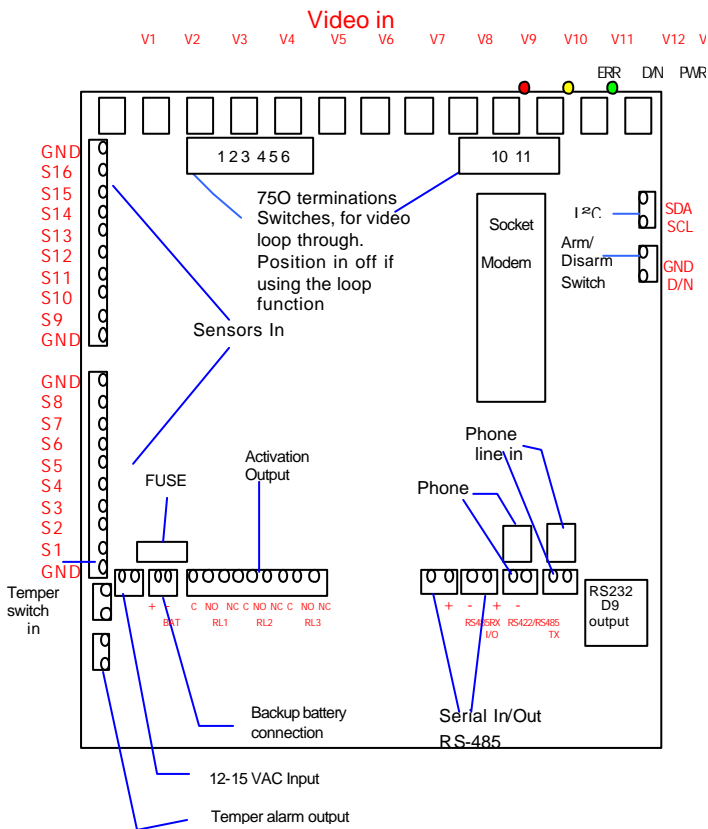
1. Installation instructions
2. Hardware Installation
3. Software Installation
4. OzLine-TOP operation
5. Initial Operation.
6. Trouble shooting.

## **Basic Hardware Installation Instructions**

1. Position the unit.
2. Use the board layout section to connect all necessary wires to the unit:
  - a. Connect the phone line (it is recommended that you loop in and out of the incoming phone line). {RJ11, J18+J20 or T.B, J19+J21}
  - b. Connect the video cables to the BNC connectors [J1-J12], (if you loop one or more of the videos to another device, disable the appropriate 75 terminations using SW1&SW2)
  - c. [option] Connect the output relays 1 to 3 {J26}, (if additional relays are needed, you will have to add the "Additional Relays Board" that can be connected to J27 and add 8 relays to the system).
  - d. [option] Connect triggering inputs or sensors to the unit directly or through an alarm system {T.B, J24 & J28}. Up to 16 inputs are available and can be set to 'Normally closed' or 'Normally open' by the software.
  - e. [option] Connect the video output to a monitor {BNC J13}.

- f. [option] Connect the Arm/Disarm switch {T.B J32}, (Arm/Disarm signals can be either constant or temporary and directly from a switch, key or keypad, or from the output of an existing alarm system).
- g. Battery backup {T.B J17}, (connect this connector to a rechargeable battery for safe and steady operation even when experiencing loss of power).
- h. Apply power 210-240 VAC (there is an option to connect 15 VAC directly to J14 or 12VDC to J17).
- i. [option] Temper output for an existing alarm system.

# Board Layout



## Connectors Layout

Connector	Type	Name	Pin	Function
V1	BNC	Video in 1		Video in 1
V2	BNC	<b>Video in 2</b>		<b>Video in 2</b>
V3	BNC	Video in 3		Video in 3
V4	BNC	Video in 4		Video in 4
V5	BNC	Video in 5		Video in 5
V6	BNC	Video in 6		Video in 6
V7	BNC	Video in 7		Video in 7
V8	BNC	Video in 8		Video in 8
V9	BNC	Video in 9		Video in 9
V10	BNC	Video in 10		Video in 10
V11	BNC	Video in 11		Video in 11
V12	BNC	Video in 12		Video in 12
J29	Terminal Block	PC	SDA	
			SCL	
J31	Terminal Block	ARM / DISARM SWITCH	GND	
			D/N	
J33	D9	RS232		COM
J18/J19	Terminal Block/RJ1 1	PHONE LINE IN		
J20/J21	Terminal Block/RJ1 1	PHONE LINE OUT		
J36	Terminal Block	RS422/RS485	I/O +	
			TK -	
J35	Terminal Block	RS485 RX	+	
			-	Normaly open output contact
J26	Terminal Block	ACTIVATION OUTPUTS	RL1NC	Relay 1 Normaly closed output contact
			RL2COM	Relay 2 Common input
			RL2NO	Relay 2 Normaly open output contact
			RL2NC	Relay 2 Normaly closed output contact
			R3COM	Relay 3 Common input
			RL3NO	Relay 3 Normaly open output contact
			RL3NC	Relay 3 Normaly closed output contact
J17	Terminal Block	BACKUP BATTERY CONNECTION		
J14	Terminal Block	AC POWER INPOT		
J23	Terminal Block	TEMPER ALARM OUT		VIDEO IN #1

J22	Terminal Block	TEMPER SWITCH IN		
J24	Terminal Block	SENSOR IN		
J28	Terminal Block	SENSOR IN		

## **Control Center Installation**

Follow the instructions in the window that opened when you inserted the CD or:

- Click on the '**Start**' button, at the bottom left corner. Choose '**Settings**' from the menu.
- Choose '**Control Panel**' from the '**Settings**' menu. Double click on the '**Add / Remove Programs**' icon.
- ? Click on the '**Install**' button to start the installation.
- ? Insert the installation CD or diskette in the drive.
- ? Click on the '**Next**' button.
- The Windows installation program will search the disc for the Control Center installation program and display it in the '**Command line for installation program**' edit box.
- Click on the '**End**' button.

The '**Control Center Installation**' screen will appear. If you wish to cancel the installation, choose '**Cancel**'. To continue the installation, choose '**Next**'.

At this point, several files required for the installation process will be copied from the installation disc to your computer.

The '**Choose Destination Location**' window will appear. This screen is used to determine the directory in which **Control Center** will be installed. It is

recommended that you install the program in the default directory.

The directory name appears in the '**Destination Folder**' panel. After the destination folder has been chosen, click on the '**Next**' button to continue the installation.

Repeat for the destination of the data files. Click '**Next**' to select the program folder.

The setup program will now copy the program files from the installation CD to your hard drive.

After copying all necessary files to your computer, the '**Select Components**' screen will appear. This will have two checkboxes:

1. **Create a Shortcut to Control Center on my desktop.**

Check this box if you want to create a shortcut on your desktop.

2. **Run Control Center automatically upon startup.**

Check this box if you want Control Center to load on startup.

Press **Next** to continue the installation.

The **Information** screen will appear, confirming that the installation was successful. Click the **Finish** button.

### **Defining screen resolution and colors:**

Right-click on an empty spot on the desktop (the Windows™ background). Choose **Properties** from the menu. The **Display Properties** screen will appear.

Choose **Settings** (located at the top right).

- Set the display area to 800x600 or higher.
- Set the color palette to 24 True bit colors.  
Set the font size to **Large Fonts**.
- Confirm the new settings by clicking on the **OK** button.
- ? Restart the computer if necessary.

## **Initial Control Center Operation**

- Verify that the modem functions under the WINDOWS operating system and connected to the telephone line.
- Double click **Control Center** shortcut.
- A white frame will appear at the bottom left corner with the message **Waiting for Call** (if not, refer to the main manual for further instructions).

### **Entering and Connecting to a New Site**

1. Click on **System Setup** – the **Remote Site List** window opens.
  2. Click on – **Edit**.
  3. Click on – **New**, Enter a **Name** for the site.
  4. Enter the site telephone number.
  5. Click **OK**.
  6. Click **Save**.
  7. Click **Call**.
  8. Click on the **Site Name**.
  9. Click **Connect**.
  10. On the first connection you must enter a **Password**.
  11. A **New Site** message appears, click **OK**.
  12. Video from the site appears on screen.
- Additional information is in the Main Manual.

## **Checking the Installation and Operation**

### **1. Operation:**

When connected to power, the green lights will stay ON. The red led will flash for about 20 seconds and then stay OFF. The red led will light when the system is in Armed Mode, and is off when the system is Disarmed.

### **2. Voltage reading:**

The voltage should read: 11-15DVC from the 12VDC&GND. These terminals are located with the sensor inputs.

### **3. Checking the phone connection:**

Make sure you have the correct phone line connected to the unit, then call the unit from another phone. The unit should answer after 1-2 rings. You should hear a series of beeps from the modem.

### **4. Checking video input:**

Connect a video monitor to the video out BNC at the TOP of the unit, the video will switch between the cameras.

### **5. Checking video transfer to your PC (control center):**

Enter a new site with the telephone number of the **Transmitting Unit**. After establishing connection, the screen will show: '**modem connect**' and the video session will start.

**Note:** (you can now update the Transmitting Unit with the initial system settings). For more details see the Main Manual.

## **Trouble Shooting**

### **Unit doesn't answer:**

- Check that the unit is powered according to the installation instructions. The green power led must be on.
- Check the phone line connection – connect a normal phone to the phone line, instead of the unit and call the unit's number. If the line is functioning and the number is correct, the telephone will ring.

### **NO VIDEO appears in video window:**

- Check video signal coming from the cameras and in the video output using a video monitor.

### **The system constantly calls the Control Center:**

- Check if one of the sensors is constantly bright red while connected.
- Verify that sensors are correctly defined and are connected.

### **The unit doesn't call the Control Center on alarms:**

- Verify that the system is armed through the Control Center.
- Verify the sensors are tripping the inputs, by looking at the red led's in the SW and operating the sensor.

**FOR TECHNICAL SUPPORT CALL**

North America- Tel: 1-800-385-2317 or 1-781-581-8254

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