Quick Start

SPECTRUM CONTROLS — An Allied Motion Company

Universal Industrial Gateway
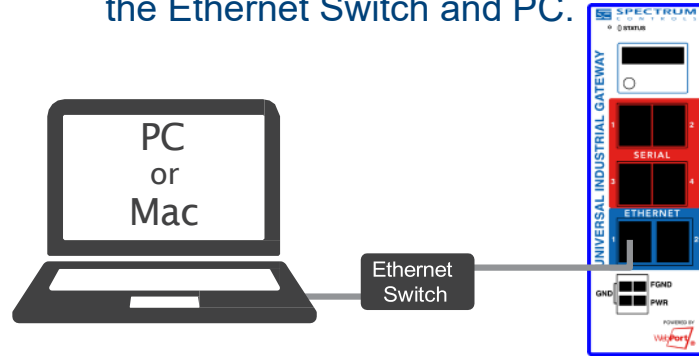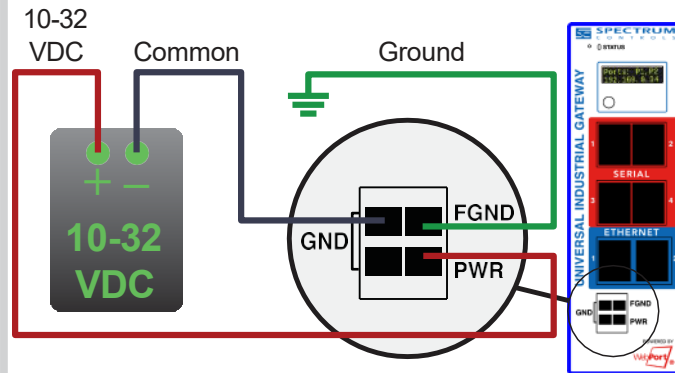
1 Connect to Network

Connect an Ethernet cable between an Ethernet port on the Gateway, and the Ethernet Switch, and connect an Ethernet cable between the Ethernet Switch and PC.

2 Connect Power Supply

Once the Gateway boots, the IP address will display on the Gateway.

Wire size: 22-14 gauge (2 mm) stranded
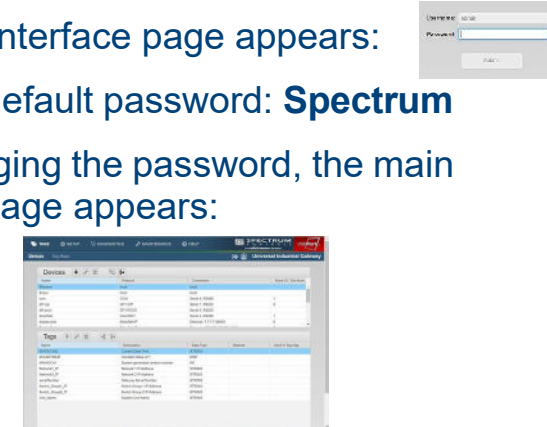Tightening torque, min 0.22 Nm (2 in/lbs.)

3 Log In to the Gateway

Type the default IP address 192.168.1.100 into your web browser.

The User Interface page appears:

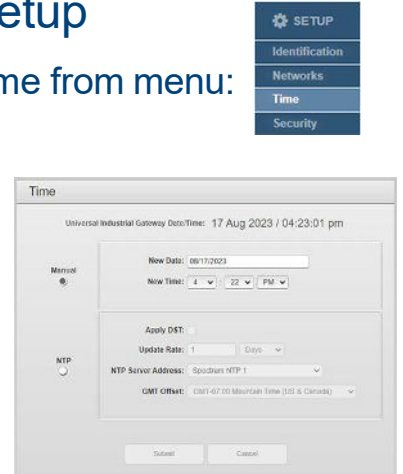Enter the default password: **Spectrum**

After changing the password, the main Gateway page appears:

4 Time Setup

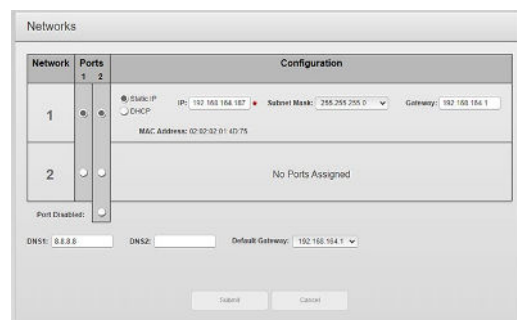Select Time from menu:

The Time page appears:

Options are:

- **Manual.** Enter the correct Date and Time.
- **NTP.** Select a time zone.

5 Configure Network Setup

Select Networks from menu:

The Networks page appears:

If setting a Static IP, identify the IP address you plan to use.

NOTE: Gateway and DNS1 are required only if NTP is selected in Time Setup. (see step 4)

6 Add Devices

Select Devices from menu:

Adding an Ethernet server device:

1. Name the Device.
2. Select the appropriate Ethernet protocol.
3. Select the appropriate TCP Port.
4. Enter the IP address of the Ethernet device being connected to the Gateway.
5. If necessary, enter the slot number where the processor is located.
6. Click the Test Device Connection button.

The Device dialog appears.

Adding a Serial server device:

1. Name the Device.
2. Select the protocol the serial port will be using.
3. Configure the serial port the device will be connected to. (See Step 7)
4. For most applications "Slot Number" should be left at "0".
5. Select the type of error checking used by the PLC's serial port protocol.
6. Some applications need the ACK Timeout, NAK Retries, and ENQ Retries values adjusted. If uncertain, use the default values.
7. Click the Test Device Connection button.

7 Configure Serial Ports

Configure the serial port on the Gateway to match the serial port configuration of the device to which you are connected.

Required from User: • 24 VDC power supply, all cables and wiring, Ethernet switch.
• Device rating: 10-32 VDC 3W

Models Covered: WP-G-222-P1, WP-G-242-P1, WP-G-222-P2, WP-G-242-P2

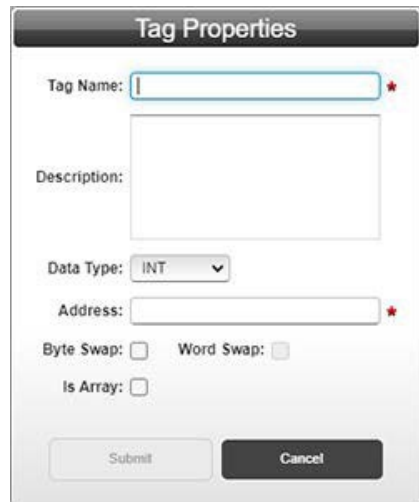**Questions?** Access our built-in online help.

Ambient Temperature Range: 0C < Ta < 55C

8 Add Tags

The Gateway moves tag data between connected devices. For each device connected to the Gateway, specify the tags from which data will be read, and the tags to which that data will be written.

To add tags, select a device you added, and select the Add Tags button: ➕

The Tag Properties dialog appears:

Specify the following:

Tag Name: Name the tag.

Data Type: Select data type of the named tag.

Address: Enter the name of the tag in the PLC, or the address of the tag depending on the protocol.

Byte Swap/Word Swap/Is Array: Refer to user's guide for more detailed information. In most applications, these boxes can be left unchecked.

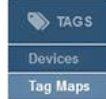**NOTE:** Tags can be imported from a .csv file.

9 Create Tag Maps

A tag map executes a tag copy between PLCs.

Select Tag Maps from menu:

To add a Tag Map, select the Add Tag Map button: ➕

The Tag Map Editor dialog appears:

1. Specify the Source tag.

   i. From "Available Tags":

   a. Select a Device.

   b. Select the Tag that will be used as the data Source.

   c. Confirm that the Source field is highlighted, and select the Move Tag button: ▶

2. Specify the Destination tag.

   i. From "Available Tags":

   a. Select a Device.

   b. Select the Tag that will be used as the data Destination.

   c. Confirm that the Destination field is highlighted, and select the Move Tag button: ▶

3. Repeat steps 1 and 2 for each additional Source/Destination tag pair needed.

4. **Name.** Enter a name for the Tag Map.

5. Specify when a tag map executes:

   • **On Change:** Executes a tag map on the state change of a specified tag.

   • **Periodic:** Executes the tag map on a user-defined rate of frequency.

10 Activate Tag Map and View Live Tag Map data

1. Activate the Tag Map to begin communication between the Source and Destination tags, select: ▶

2. Select the Live Tag Map Viewer to view the transfer of tag data: 🏷