

TCP Tag Server

Run TCPTagServer and note that the IP address of the server machine is displayed in TCPTagServer's window title. Make a note of this address as it will be needed when configuring the remote UDS-10 modules.

Configure all UDS-10s as follows
(with the exception of the IP addresses)

```
*** Lantronix Universal Device Server ***
Serial Number 5405857 MAC address 00:20:4A:54:16:E1
Software Version V04.1 (000522)

Press Enter to go into Setup Mode

*** basic parameters
Hardware: Ethernet Autodetect
IP addr 024.161.197.204, no gateway set, netmask 255.255.255.000

***** Channel 1 *****
Baudrate 9600, I/F Mode 4C, Flow 00
Port 03001
Remote IP Adr: 024.161.197.210, Port 06711
Connect Mode: C1 Disconn Mode: 00 Disconn Time: 00:01
Flush Mode: 00
```

When sending tag value information to the remote UDS-10 serial ports, the format of the strings sent to the UDS-10s from the controllers must be as follows:

<SiteNameLength> **<SiteName>** **<TagValuesLength>** **<TagValues>**

The two **Length fields** are specified by 4 digit ASCII numbers left padded with zeros.

The **SiteName** specifies the location name of the Lantronix UDS-10.

TagValues is a list consisting of one or more tag value expressions in the form:

TagName=Value

If there are more than one tag values in the list, each separate expression is separated by a comma.

Anal ogTag1=12. 34, Di scret eTag1=Fal se, Anal ogTag2=1234

Full message example:

0005SITE10051Anal ogTag1=12. 34, Di scret eTag1=Fal se, Anal ogTag2=1234

Note that:

The **SiteName (SITE1)** is 5 chars in length therefore the **SiteNameLength** is **0005**.

The **TagValues** are 51 chars in length, therefore **TagValuesLength** is **0051**

There are no spaces between the fields; however, there can be spaces to the right of the '='

(i.e. AnalogTag1= 1234 is acceptable)

When the example message is received by TCPTagServer, the tag names will be formatted as SiteName.TagName.

SITE1.AnalogTag1 = 12.34
SITE1.DiscreteTag1 = FALSE
SITE1.AnalogTag2 = 1234

These are the tag names that need to be referenced in ScadaPhone.