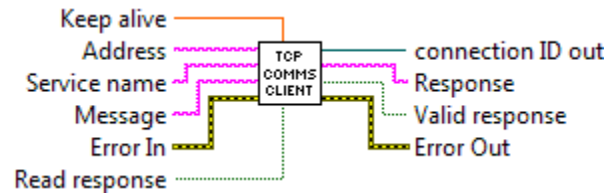


# Comms Client.vi

TCP communication client with running LabActor application. Make sure LabActor.cfg includes "TCP Communications"



## Address

Network address of PC with running LabActor. A value of 127.0.0.1 specifies the local machine for the address.

## Service name

LabActor TCP service name

## Message

Message to send to LabActor

Supported messages

Commands:

SET START - Starts Monitor

SET STOP - Stops Monitor

Queries:

GET Monitor State - returns Idle or Working

GET Spectrum Recorder - returns latest finished spectrum file name

GET Line Detector - returns array with spectrum file absolute time,spectrum file index, found peak \* N, best Lorentzian fit result\*6\*N

## Read response

Read LabActor response to message (if using GET)

## Error In

**error in** can accept error information wired from VIs previously called. Use this information to decide if any functionality should be bypassed in the event of errors from other VIs.

Right-click the **error in** control on the front panel and select **Explain Error** or **Explain Warning** from the shortcut menu for more information about the error.

 status

 code

 source

 **Keep alive**

 **Error Out**

**error out** passes error or warning information out of a VI to be used by other VIs.

Right-click the **error out** indicator on the front panel and select **Explain Error** or **Explain Warning** from the shortcut menu for more information about the error.

 status

 code

 source

 **Response**

LabActor response to message

 **Valid response**

Indicates if LabActor response was properly formatted

 **connection ID out**