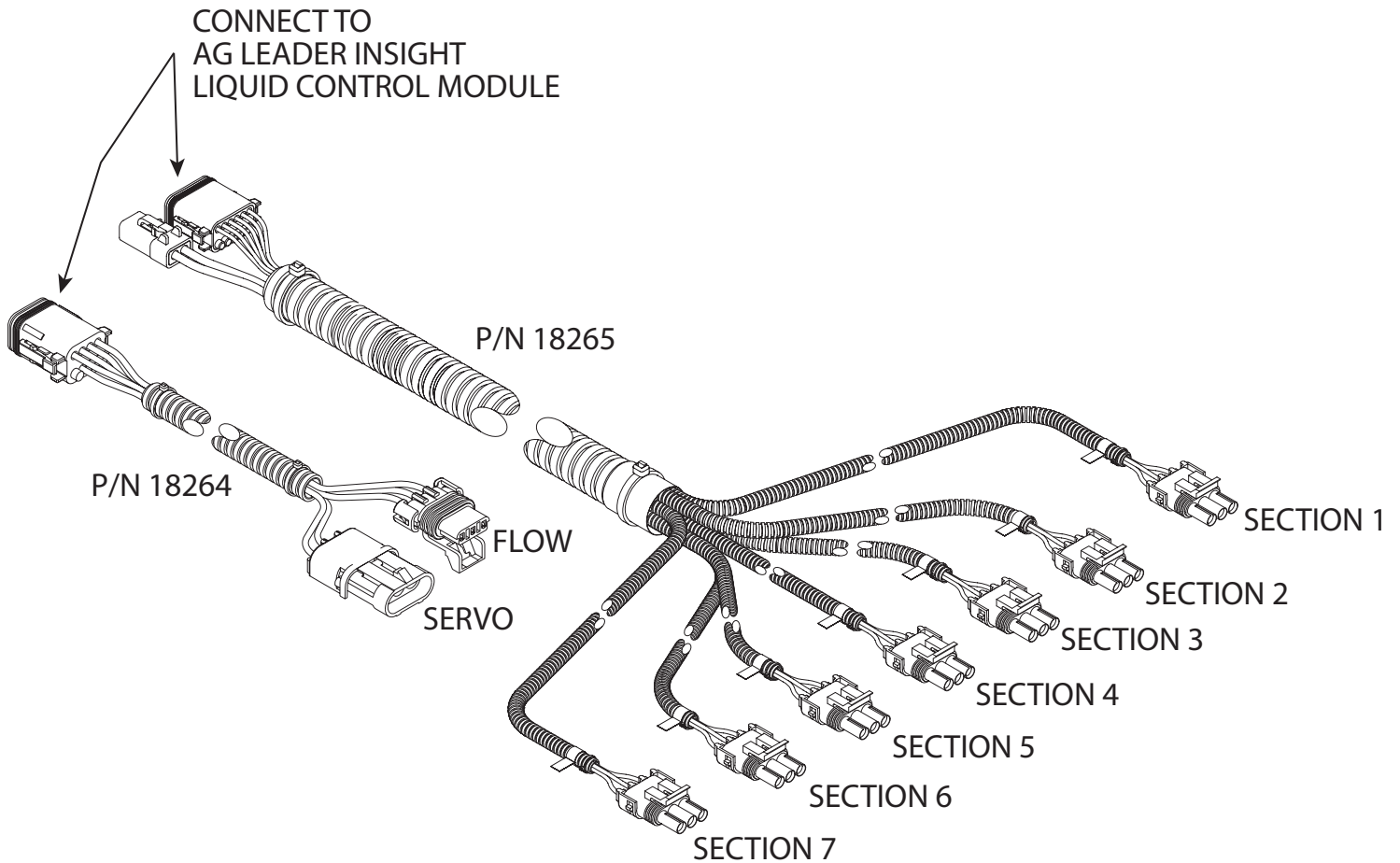




1. Install system components and harnessing per general instruction manual.
2. See the following pages for system diagram and wiring diagram for Ag Leader-specific harnessing.
3. For Ag Leader INSIGHT specific controller instruction see page 3.

NOTE: SYSTEM REQUIRES AG LEADER INSIGHT LIQUID CONTROL MODULE.



Ag Leader INSIGHT LIQUID DIRECTCOMMAND CONTROLLER SETTINGS

1. FLOW CALIBRATION

Divide the number on the Flowmeter Calibration tag by 2 to convert the Micro-Trak flowmeter output to pulses per gallon and enter that number into the Ag Leader INSIGHT "Controller Settings". (See below).

2. VALVE CALIBRATION

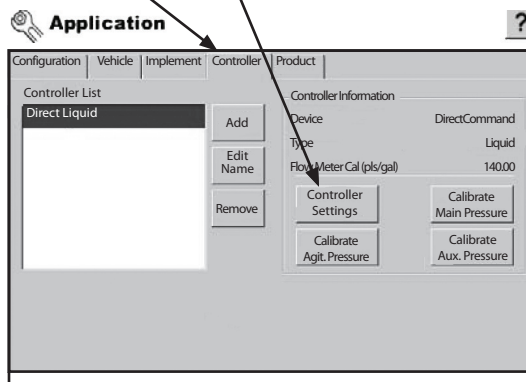
See Table Below

NOTE: These are initial numbers; the valve calibration number may require additional adjustment depending on system characteristics. For a description of how the valve cal parameters work, see INSIGHT manual "Glossary of Application Settings" section.

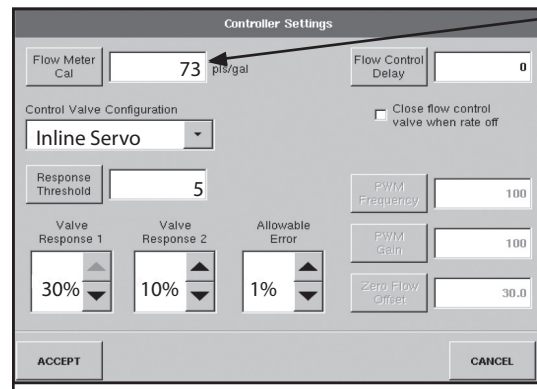
3. The Flow Cal and Valve Cal settings are entered into the Controller Settings window on the InSight. See Illustrations below.

Micro-Trak Control Valve Settings for Ag Leader Liquid Control Module					
Flow Control Valve	Control Valve Conf.	Allowable Error	Valve Response 1	Valve Response 2	Response Threshold
MT 12V Servo	Inline Servo	1	30	10	5
MT 12V Servo	Bypass Servo	1	30	10	5

Under the Controller Tab, press Controller Settings to access the advanced settings screens.



The Illustration below shows the example settings for liquid product inline Micro-Trak servo valve. **NOTE: Flow Meter Cal is calculated by taking the Flowmeter Cal Tag number and dividing by 2 (See Step 1 Above). Example $146 \div 2 = 73$**



GLOSSARY OF TERMS (From Ag Leader INSIGHT Manual)

Setting Name	Setting Description
Flow Meter Cal	Calibration valve representing the number of pulses that equal one-gallon of product flow through the controlling system.
Control Valve Configuration	Setting specifies the type of control valve being used for the rate control functions of the controlling system.
Response Threshold	Determines where the control channel switches between using Valve Response 1 and Valve Response 2 setting.
Valve Response 1	Determines the speed of the servo valve when product control error exceeds the Response Threshold setting. Valve Response 1 represents the fast speed of the servo valve.
Valve Response 2	Determines the speed of the servo valve when product control error is less than the Response Threshold setting. Valve Response 2 represents the slow speed of the servo valve.
Allowable Error	Determines the percent of error that is allowed prior to the product control system making any flow rate changes.

NOTE: For additional glossary terms refer to your Ag Leader INSIGHT system manual.