

Hydraulic Load Indicator

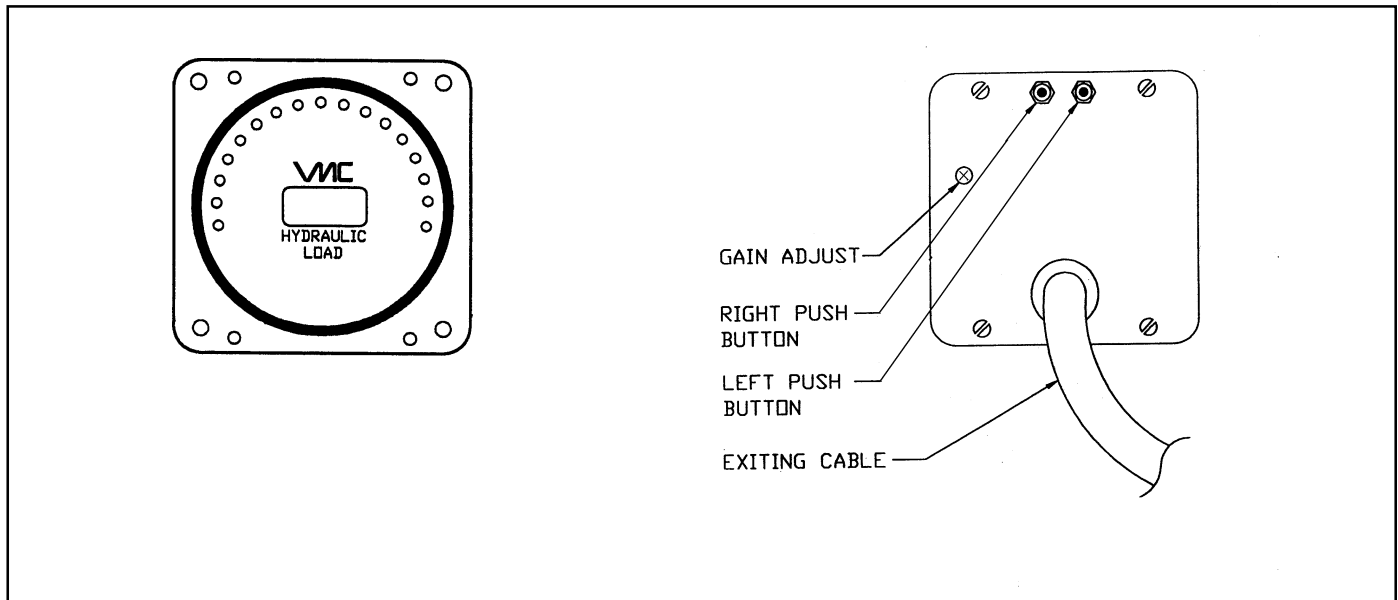


Figure 1 - Hydraulic Load Indicator

Load Indicator Calibration Procedure

Introduction

This procedure explains the method of calibration for the hydraulic load indicator.

Procedure

Proper calibration of the Hydraulic Load Indicator requires a known load to be lifted that is at least half the maximum load to be measured.

1. **Adjust No Load Reading to Zero:**
With no load measure the reading on the display. Go into program mode and add this value to the current offset. Exit program mode and verify that the reading is zero.
2. **Adjust Gain:**
Lift a known load and adjust the gain using the gain adjustment on the back of the indicator.
3. **Verify:**
Adjusting the gain does have an effect on the zero reading. Because of this you may have to repeat steps one and two until you have the desired readings.
4. **Low LED Adjustment:**
In program mode adjust the display reading for number desired when the low led LED turns on.
5. **Green LED Step Adjustment:**
In program mode set the step number desired between each LED starting with the lower left.
6. **Hi LED Adjustment:**
In program mode set the number desired at which the red LED in the lower right turns on.

Entering the Program Mode:

Push and hold the left push button on the back of the display (left, looking from the front of the unit). Tap the left push button then release the right push button. The most left digit should be blinking with two decimal points lit. You are ready to program the offset.

Select a Digit and Mode:

The right button selects the blinking digit. When the right digit is blinking and the right button is pushed one more time, the display will select the next program mode as follows:

Offset - Offsets the LCD reading. i.e. , Display = Reading - Offset.

Low Green LED Setpoint - Sets the display reading at which the Low Left LED will come "ON".

LED Step - Sets the steps between the LEDs starting from the Low Left LED.

High LED Setpoint - Sets the display reading, the High Limit (Red) LED will come "ON". The Low and Step programmed levels will not affect this LED.

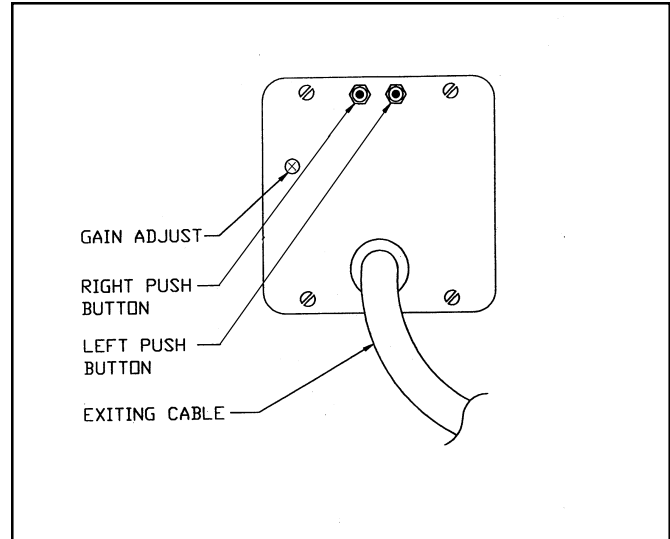


Figure 2 - Back of Indicator

Increase a Digits Count:

The left push button will increase the count of the blinking digit.

Exit the Programming Mode:

Push and hold the right push button. Tap the left push button. Release the right push button.

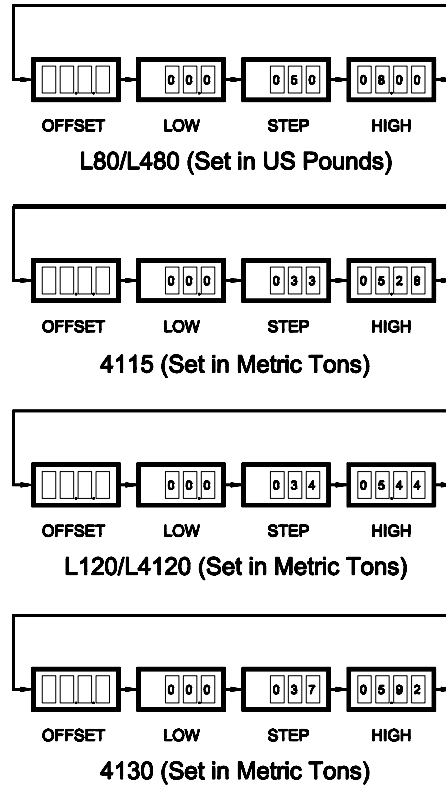


Figure 3 - Digital Count

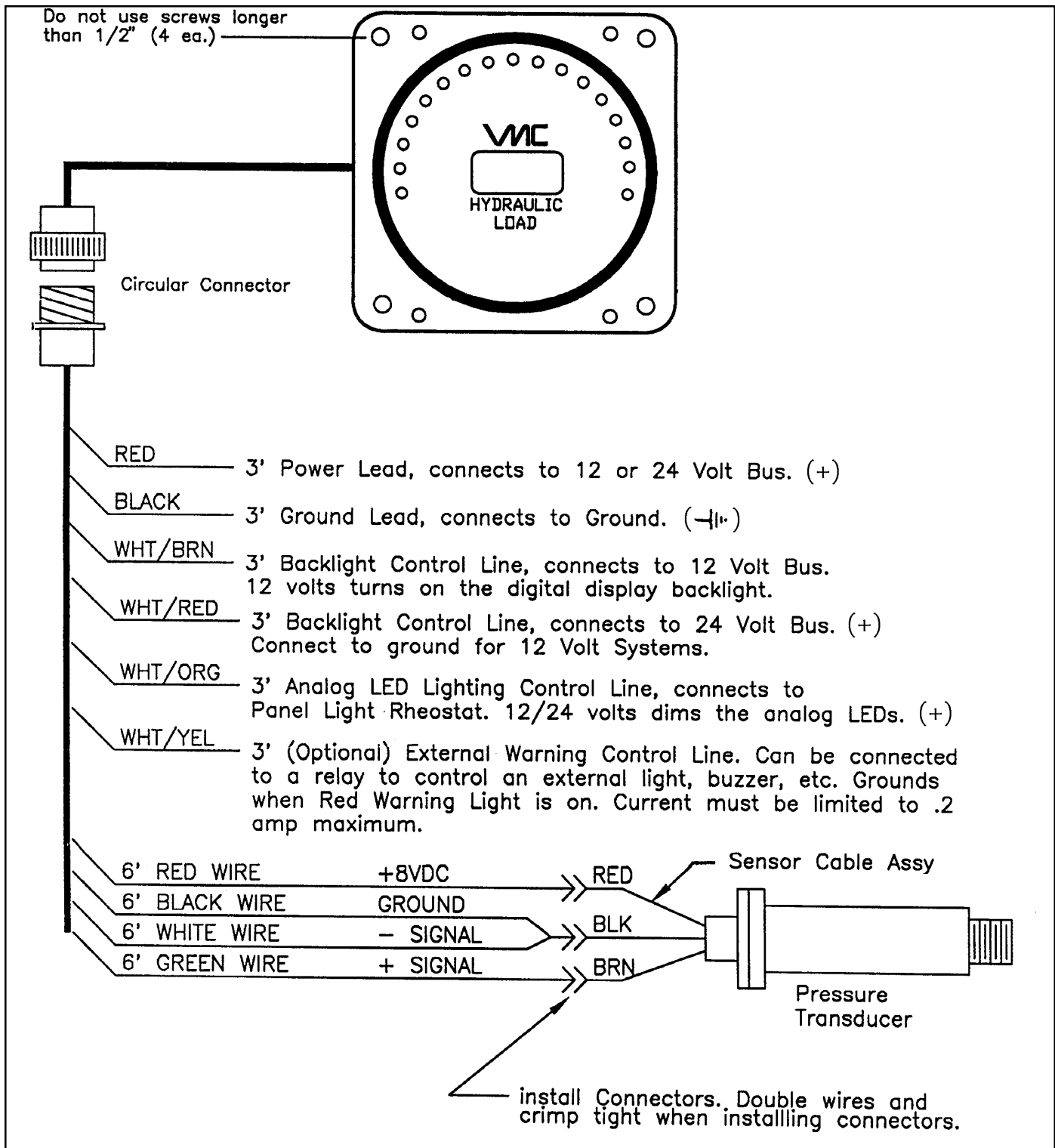


Figure 4 - Hydraulic Load Indicator, Wiring Diagram