

80-1104-00

Rev. 02

SUPPLEMENT TO MANUAL:

• 80-1103-00

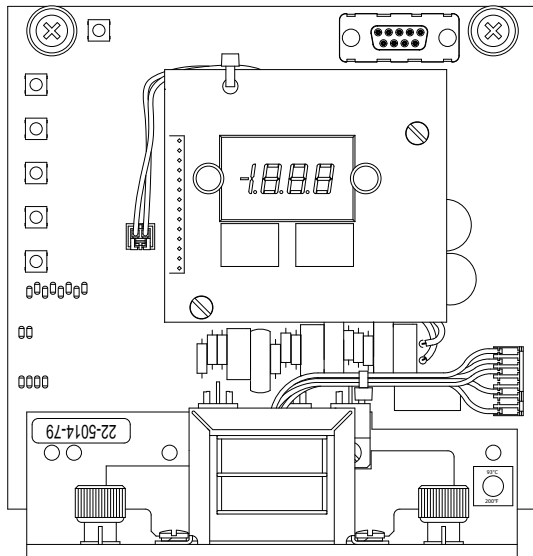
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GROUP 11 ACTUATORS EQUIPPED WITH THE DCM FEEDBACK DISPLAY

The instructions and procedures for installation, operation, calibration and maintenance for Beck Group 11, Option 9 actuators are detailed in instruction manual 80-1103-00. Additional information is provided in this supplement for actuators equipped with the optional Digital Control Module (DCM-3) Feedback Display (Part No. 22-5014-79).

IMPORTANT: Read this Supplement and the Instruction Manual you received with your shipment prior to installing or performing any maintenance on your Beck actuator(s).

For actuators equipped with the DCM-3 (built after July 2016)



The DCM-3 with Feedback display has been calibrated at the factory and should not require any further adjustments.

The display is powered from the Feedback loop current and will not operate until the loop is closed. The Feedback output maximum loop resistance is 500Ω.

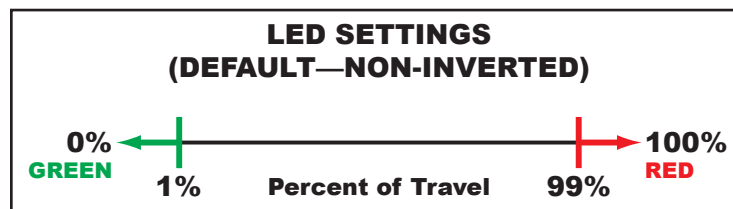
The configuration for the Feedback display is 4 mA = 00.0(%) and 20 mA = 100.0(%). By default, the green LED will light when the Feedback is indicated

at less than 1(%). The red LED will light when the Feedback is indicated at greater than 99(%).

The illumination points for the LEDs may be modified using a serial command (see table on reverse page).

For information on serial communication and commands, see the appropriate appendices in manual (80-1103-00).

Command	Description	Argument <i>n</i> and Information
ledconfig <i>n1 n2</i>	Changes the point within the position of travel that causes the LEDs to light. May also be used to swap the LED end point assignments (see Example 2, below) or to individually turn off each LED.	<p><i>n1</i> = "red": sets the red LED to the <i>n2</i> argument. "green": sets the green LED to the <i>n2</i> argument. "inverted": swaps the LED end point assignments (see Example 2, below). "noninverted": sets both LED end points to the default setting (see below).</p> <p><i>n2</i> = argument defining position of travel at which the selected LED (<i>n1</i>) will light. Accepts any number representing a valid percentage of travel position. "off": turns off the LED defined in <i>n1</i>.</p>



<i>Example 1: Make the "CLOSED" green LED light at 2.0% and the "OPEN" red LED light at 98.0%.</i>	
COMMAND	RESULTING LED BEHAVIOR
ledconfig green 2 ledconfig red 98	
<i>Example 2: Invert the LED assignments from the default configuration.</i>	
COMMAND	RESULTING LED BEHAVIOR
ledconfig inverted	
<i>Example 3: Make the "OPEN" red LED light at 1.0% and greater, and the "CLOSED" green LED light at less than 1.0%.</i>	
COMMAND	RESULTING LED BEHAVIOR
ledconfig green 1 ledconfig red 1	

NOTE: Both LEDs will not light at the same time; in the event of overlap, the red LED will light.

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