

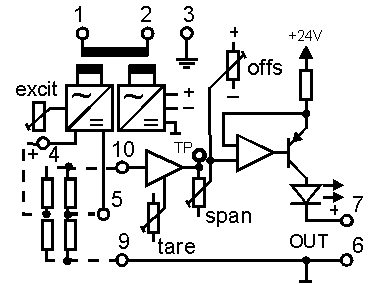
Calibration v6 and v7 Inputs 08, 09 WT127

This procedure uses a C55 Rev 2 PCB.

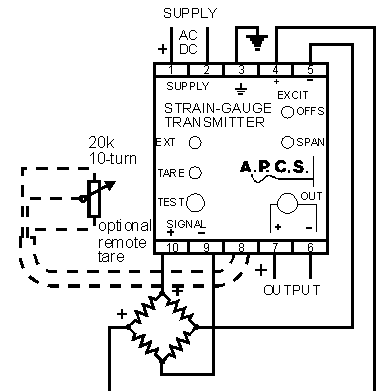
Set-up Procedure

1. Verify connections and power up the WT127.
2. With load-cell connected measure the excitation voltage on terminals 4 and 5, and adjust in accordance with load cell specifications using "EXT" adjustment.
3. Measure the offset signal by using the 2mm test socket with reference to terminal 9. Adjust this signal to be $0V \pm 0.1V$ via the "TARE" adjustment.
4. Adjust zero output (typically 4mA) using the "OFFS" trimmer
5. Apply load and adjust "SPAN" trimmer for full scale output as required (typically 20mA).
6. Recheck zero repeatability by removing load if possible.

Block Diagram



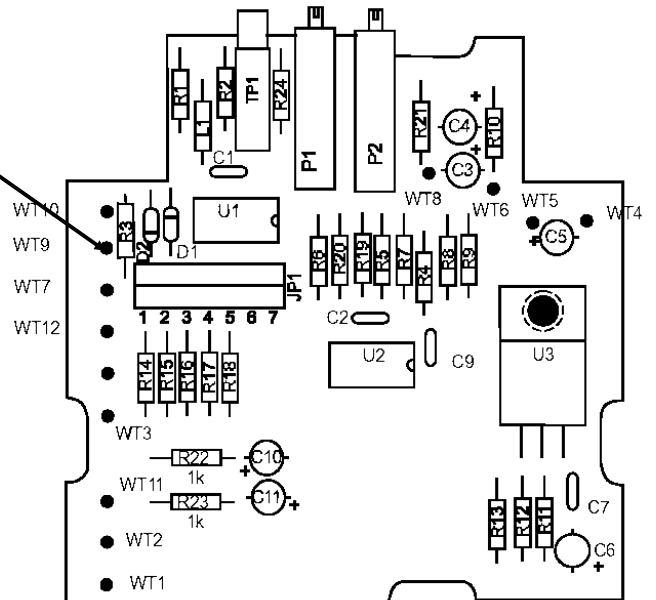
Connection Diagram



Complete Span Rescale

1. This input rescale procedure can only be performed on modules ordered with input number 08, the basic span for input 09 is factory set.
2. For a complete rescale operation on the input, it is essential to remove the unit from the housing and separate the function board from the motherboard by removing the screw in the centre. Select jumper positions on the range selector from the table below for the desired mV input.
3. Then follow 'Set-up Procedure' above.

Input	JP1 Setting
0 - 1mV	1
0 - 2	2
0 - 3	1,2
0 - 5mV	3
0 - 7	2,3
0 - 10	4
0 - 12mV	2,4
0 - 15	3,4
0 - 20	5
0 - 25mV	3,5
0 - 30	4,5
0 - 50	6
0 - 60	5,6
Cal	7



Input / Output Response

The input output response for units using the C55 PCB is factory set to 500ms. Slower response times may be factory using the customised response time option. For faster response use the C201 PCB that is fitted if one of the following input numbers is ordered; 10, 11,12,13.

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