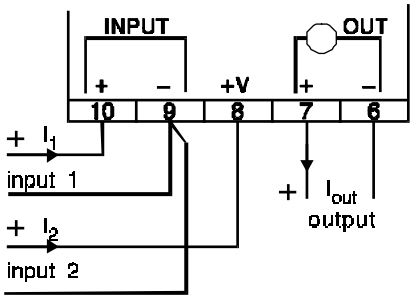
Connection; Adder, Subtractor, Min/Max Selector SI139

Input Option 61: Adder

$I_{OUT} = I_1 + I_2$ OR $I_{OUT} = \frac{I_1 + I_2}{2}$ (AVERAGER)

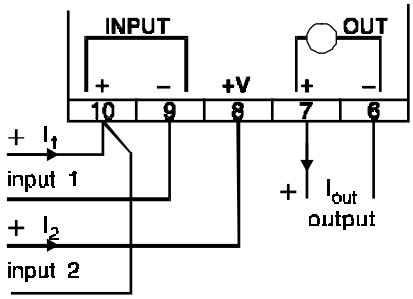
Input loads (4-20mA) :
$I_1 = 50ohm$
$I_2 = 50ohm + 0.7V$



Input Option 62: Subtractor

$I_{OUT} = I_1 - I_2$

Input loads (4-20mA) :
$I_1 = 50ohm$
$I_2 = 50ohm + 0.7V$

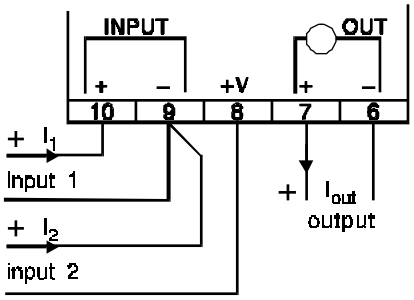


Input Option 64: Minimum Selector

The output signal will follow the lower of both input signals.
Input load: 56 Ohm (4-20mA)

Input Option 65: Maximum Selector

The output signal will follow the higher of both input signals.
Input load: 56 Ohm (4-20mA)



Input Option 68: Adder, 69: Subtractor

$I_{OUT} = I_1 + I_2$ (ADDER) $I_{OUT} = I_1 - I_2$

$I_{OUT} = \frac{I_1 + I_2}{2}$ (AVERAGER)

Unlike options 61 and 62 the two inputs can be any current or voltage signal, however they must be independently sourced or have a common 0V.

Must specify Calibration for each input when ordering e.g.
In1 Cal: 1-5V
In2 Cal: 0-20mA.