

# Type 246 Single-Channel Power Supply/Readout Pin-outs

Interface Connector J9, 9-pin male Type "D"

Pin	Description
1	Analog Return
2	0 to 1 VDC (nominal) Corrected Output Flow Output corrected by rear panel gauge factor scaling control
3	Analog Return
4	Remote On/Off Line used for external (remote) control of flow controller. Compatible with all 5V logic, this line is held high (or left unconnected), causing a flow "off" condition when the SET POINT SOURCE SWITCH is in the ExT position.
5	No Connection
6	0 to 5 VDC Output MFC output voltage, after being zero corrected by the front panel ZERO CONTROL circuitry
7	Set Point Input Line used to input an external set point signal for direct control (ExT position) or ratio control (RATIO position)
8	Digital Ground Return for remote ON/OFF line (pin 4)
9	Chassis Common

MFC Connector J8, 15-pin female Type "D"

Pin	Description
1	No Connection (NC)
2	Flow Input Signal The output from the MFC is applied here
3	No Connection
4	No Connection
5	Power Ground
6	-15 VDC Supplied by the 246
7	+15 VDC Supplied by the 246
8	Set Point Output Signal From the 246 unit to the MFC

9	No Connection
10	Flow Out A 0 to 5 VDC zero-corrected output sent back to the MFC for use with the set point circuitry to ensure that set point matches the actual flow
11	No Connection
12	Analog Return
13	No Connection
14	No Connection
15	Chassis Common