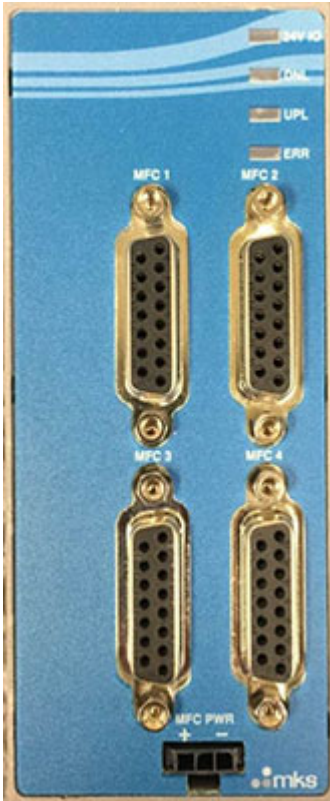


MKS MFC Mass Flow Controller Module Pin-outs



AS11890G-11 D-Sub 9-pin Female for MFC Code A Signal Mapping

Pin	MFC Function	MFC Controller I/O
1	Valve Open/Close	DO
2	Flow Signal Output (0 to +5 VDC)	AI
3	+15 to +24 VDC Power	Power
4	Power Supply Common Digital Ground	Power
5	No Connection	
6	Set Point Input (0 to +5 VDC)	AO
7	Signal Common	AIO/DIO COM.
8	Signal Common	AIO/DIO COM.
9	Pressure Signal Output or Valve Test Point	AI (depending on the MFC model can)

AS11890G-02 D-Sub 15-pin Female for MFC Cod B Signal Mapping

Pin	MFC Function	MFC Controller I/O
1	Valve Test Point	AI
2	Flow Signal Output (0 to +5 VDC)	AI
3	Valve Close	DO

4	Valve Open	DO
5	Power Supply Common Digital Ground	Power
6	No Connection	
7	+15 to +24 VDC Power	Power
8	Set Point Input (0 to +5 VDC)	AO
9	Zero Function	DO
10	Optional Input	AO
11	Signal Common	AIO/DIO COM.
12	Signal Common	AIO/DIO COM.
13	No Connection	
14	Pressure Signal Output	AI
15	Chassis Ground	

AS11890G-02 & -11 Aux
Power Connector

Pin	Description
1	+24 VDC
2	Ground
3	-24 VDC