Analog DuraCoder Preset Function

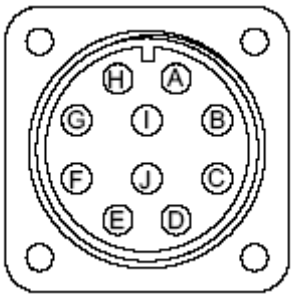
The Analog Voltage and Current DuraCoders now have an input that when attached to DC Return changes the analog output to its minimum value. This feature is available only on Analog Output DuraCoders with a serial number of 0706001 or higher.

Only Analog DuraCoders with MS connectors have this feature. It is not available on Analog DuraCoders with Integral Cables or on the DC25F-S1V2LS-08 option.

The following table and diagram shows the pin out of the DuraCoder's MS connector.

Pin #	Function
A	No Connection
B	No Connection
C	+DC Input
D	Direction Control
E	Output Return
F	Analog Output
G	No Connection
H	Case Ground
I	DC Return
J	Preset

Output Connector
MS3102E18-1P



Pins A to I: No change to the functionality described in the Analog DuraCoder's manual.
Pin J Preset: Each time this pin detects a transition from open circuit to DC Return, the DuraCoder's output will be changed to the minimum value defined by its part number. To be changed, pin J must be connected to the DC Return for a minimum of 100ms.

WARNING

Presetting the Analog DuraCoders output causes an offset value to be stored in the DuraCoder's memory. This memory can be changed a maximum of 100,000 times before it will be damaged. Therefore, presetting the DuraCoder every machine cycle must be avoided.

Notes:

1) This pin should never be connected to Pin C (+DC Input).
2) Using the Preset function changes the DuraCoder's output to its minimum value, which is not necessarily zero. The following table shows the minimum and maximum output values of the various Analog DuraCoder options.

DuraCoder Part Number	Minimum Output	Maximum Output
DC25X-BXV1XX	0Vdc	5Vdc
DC25X-BXV2XX	0Vdc	10Vdc
DC25X-BXV4XX	-10Vdc	10Vdc
DC25X-BXC1XX	4mA	20mA
DC25X-BXC2XX	0mA	20mA

"X" indicates any character

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