

DI-8B42-01 4-20mA Current Loop Transmitter Workaround

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Symptoms

Readings in WINDAQ appear erratic when attempting to acquire data from a 2-wire transmitter using a DI-8B42-01 module.

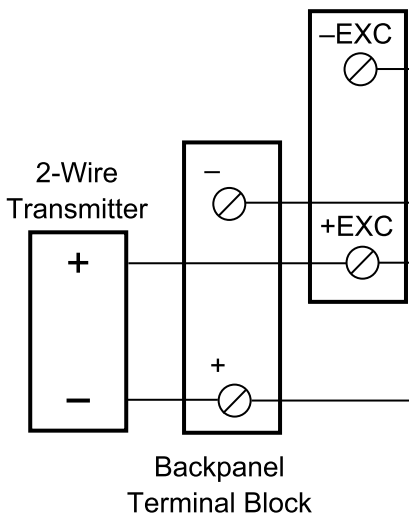
Cause

Rarely, the DI-8B42-01 module could go into oscillation with certain transducers.

Resolution

Make sure that your connections are correct

The transmitter should be connected across Ex+ and In+.

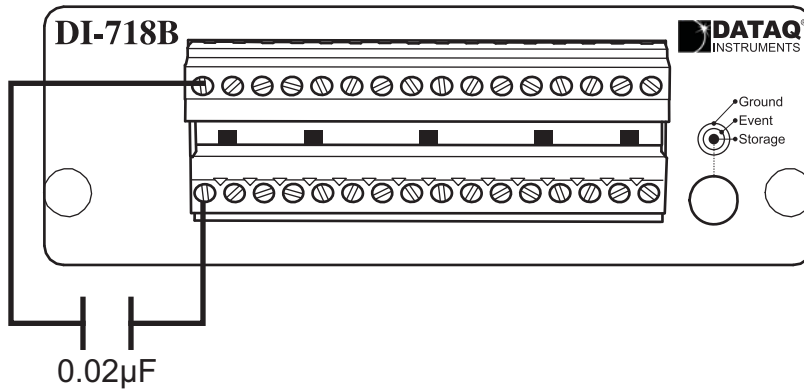


Place a 0.02μF ceramic disc capacitor between In+ and Ex+

If your connections are correct; place a 0.02μF ceramic disc capacitor between In+ and Ex+.

CH1		CH2		CH3		CH4		CH5		CH6		CH7		CH8	
In+	In-	In+	In-	In+	In-	In+	In-	In+	In-	In+	In-	In+	In-	In+	In-
Ex+	Ex-	Ex+	Ex-	Ex+	Ex-	Ex+	Ex-	Ex+	Ex-	Ex+	Ex-	Ex+	Ex-	Ex+	Ex-

DI-718B pinout



Front end of DI-718B

Applies To

DI-718B(x), DI-788 and DI-78B input expanders containing DI-8B42-01 modules.