

Trilogy Coil and Positioner to Aries Wiring

Aries Motor Feedback Connector - HD DB15 Male

Pin	Encoder		Temperature		Halls		Function
	LME Magnetic	RGH Optical	Positioners or WD0/1/2/7	WD3/4	All Trilogy Positioners & Coils	except 210 310 410 WD7/C	
4	Brown	Brown					+5V
3	White	White					Ground
8	Yellow	Yellow					A/
7	Green	Green					A
12	Blue	Blue					B
11	Red	Red					B/
1	Black	Pink					C
2	Orange	Grey					C/
10			Yellow				+ Thermo
15			Orange	Grey			- Thermo
5					Black	Black	+5V
6					White	White	Ground
9					Yellow	Brown	HED C
13					Blue	Blue	HED B
14					Green	Green	HED A
Case	Shield				Shield	Shield	Shield

NOTES:

Halls C/B/A are reversed at the Aries, Hall 1/2/3 respectively.

The encoder's A+ and A- are reversed at the Aries drive, A/ and A respectively.

Strip all cables back about 12"

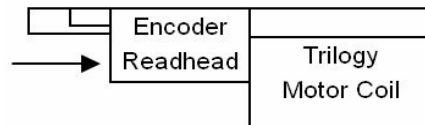
Put all wires going into the Feedback connector through one piece of heatshrink

Put all limit/home wires through another piece of heatshrink and leave unconnected

Valid for all Trilogy T1D and T1S positioners built after 12/1/2007. See next page for T1S and T1D built before 12/1/2007.

Bellows positioners are same as standard positioners. ex, For B3 positioner, see T3 positioner.

Connect motor cable ground to Aries chassis shield using P-clip.

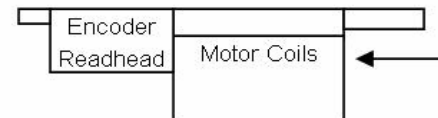


The above connections presumes the motor, readhead and hall cables exit the same direction. For positioners, this is the standard orientation.

Aries Motor Connection

Using Old Color codes			
Pin	T1, T2, T3 Positioners 110 210 310 WD0/1/2/7 coils	T4, TR7, TR10, TR16 Positioners R7, R10, R16 Coils ML50 Coils 110 210 310 WD3/WD4 coils	Function
1	Red & Blue	Red	U
2	White & Green	Brown	V
3	Black & Brown	Orange	W
4	Drain wire (Coils) or Green/Yellow (Positioners)	Drain wire Ground wire	PE

Using New Color codes			
Pin	T1, T2, T3 Positioners 110 210 310 WD0/1/2/7/A/C coils	T4, TR7, TR10, TR16 Positioners R7, R10, R16 Coils 410 and ML50 Coils 110 210 310 WD3/4/B coils	Function
1	Red/Yellow & Blue/Yellow	Red/Yellow	U
2	White/Yellow & Violet/Yellow	Brown/Yellow	V
3	Black/Yellow & Brown/Yellow	Orange/Yellow	W
4	Green/Yellow	Green/Yellow	PE



In coil only applications, if the encoder's cable exit faces opposite the opposite way, switch A and A/.