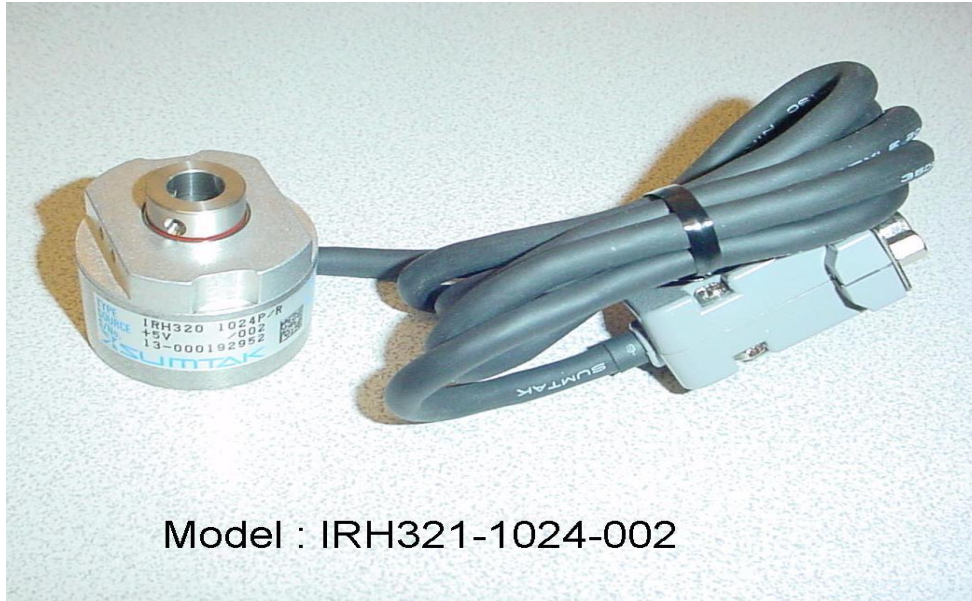


Wiring diagram for encoder - Delta inverter

Spindle encoder diagram model IRH-321-1024-002



Model : IRH321-1024-002

DP-9 Male

Pin 1 White	= 5Vdc
Pin 2 Black	= 0V Common
Pin 3 Red	= Channel A+
Pin 4 Pink	= Channel A-
Pin 5 Light Green	= Channel B+
Pin 6 Blue	= Channel B-
Pin 7 Yellow	= Channel Z+
Pin 8 Orange	= Channel Z-

DP9- Female

(connect from spindle encoder to inverter)

Pin 1= 5vdc	VP	Red
Pin 2= 5vdc common	DCM	Red \ Black
Pin 3= channel A+	A1	White
Pin 4= channel A-	A1\	White \ Black
Pin 5= channel B+	B1	Blue
Pin 6= channel B-	B1\	Blue\ Black
Pin 7= channel Z+	Z1	Green
Pin 8= channel Z-	Z1\	Green\ Black

DP9 - Male connect from SD3 or axis 5 in the console to inverter. They don't need 5 Vdc.

Pin 1 = none
 Pin 2 = Red / Black (Delta don't use)
 Pin 3 = channel Z- Z0\ Green / Black
 Pin 4 = channel A- A0\ White / Black
 Pin 5 = channel B- B0\ Blue / Black
 Pin 6 = channel Z+ Z0 Green
 Pin 7 = channel A+ A0 White
 Pin 8 = channel B+ B0 Blue
 Pin 9 = Red (Delta don't use)

Inverter control cable from RTK3 to Delta inverter

RTK3	Delta inverter	
1. Green = Reset / out 15	M15 reset input	941
2. Blue = output 10,14,15 common	DCM	940
3. Grey = orient/ out 10	M14 Orient command input	948
4. and 5. jumper		
6. White = spin fwd/out 13 NC	FWD	942
7. Black = spin rev /out 13 NO	REV	943
8. Brown = analog out	AVI 0-10 vdc	944
9. Violent = analog common	ACM 0-10vdc common	945
10. Light green = zero speed/in 19	M02 zero speed output	950
11. Red = Orient complete/in 21	MRA orient complete output	949
12. Orange = fault in 25	RA fault output N/O	947
13. Pink = at speed/in 20	M01 at speed input/20	951
14. Yellow = input common	RC-MRC-MCM output common	946
15. Ground = shield	Ground	