25 PIN DSUB WIRING INSTRUCTIONS
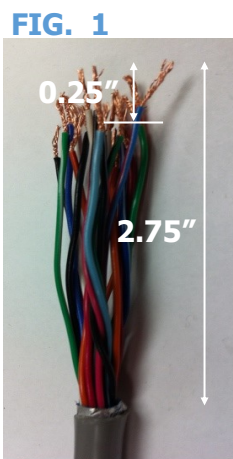
PREPARING THE CONTROL CABLE

1. Strip the jacket and aluminum shielding off of the control cable as shown in figure 1, approximately 2.75" from end of control cable, being careful not to damage the individual wires.
2. Strip the plastic insulation off of each of the control cable wires, approximately 0.25" in length should be bare wire.

CONNECTING CONTROL CABLE TO THE DB25 FIELD SPLICE

The DB25 Field replaces the standard connector with a convenient solder-less connection of the control cable to the SteppIR controller. Follow the steps below to connect it to your control cable.

1. Apply dielectric grease to the exposed copper portion of each wire.
2. Connect each wire to the appropriate terminal and tighten using a flat head screwdriver. Note that the terminals may be closed by default. If so, turn the terminal screw ccw ~10 turns to open it before inserting the wires. Consult the table on the next page for the correct wiring sequence.
3. Position the control cable between the cable clamp halves.
4. Tighten the two pan head screws until the cable is snug, but do not over-tighten.
5. Thread the two thumb screws into the connector face as shown in figure 2
6. Plug the DB25 splice into the back of the controller and twist the thumb-screws to secure it.
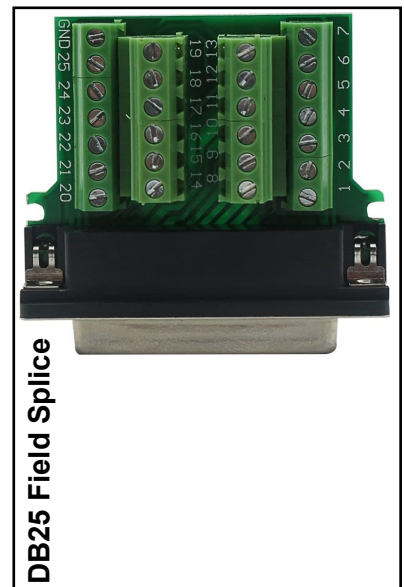
FIG. 1

FIG. 2

CONNECTING CONTROL CABLE TO THE DB25 FIELD SPLICE

Refer to the table below for the correct wiring sequence when connecting your control cable to your 25 pin connecter.

Pin	DB42 (24 Conductor)	DB36 (w/80m) (24 Conductor)	4E, DB36 (No 80m) (16 Conductor)	DB11, DB18, DB18/18E (16 Conductor)	2E, 3E (12 Conductor)	BigIR, SmallIR, Dipole (w/Coil)
1	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK
2	WHITE	WHITE	RED	RED	BROWN	RED
3	WHITE/BLACK STRIPE	WHITE/BLACK STRIPE	GREEN	GREEN	RED	GREEN
4	BLACK/WHITE STRIPE	BLACK/WHITE STRIPE	WHITE	WHITE	ORANGE	WHITE
5	BLUE	BLUE	BROWN	BROWN	YELLOW	BLACK
6	BLUE/WHITE STRIPE	BLUE/WHITE STRIPE	BLUE	BLUE	GREEN	RED
7	BLUE/RED STRIPE	BLUE/RED STRIPE	ORANGE	ORANGE	BLUE	GREEN
8	BLUE/BLACK STRIPE	BLUE/BLACK STRIPE	YELLOW	YELLOW	VIOLET	WHITE
9	ORANGE	ORANGE	VIOLET	VIOLET	GREY	
10	ORANGE/RED STRIPE	ORANGE/RED STRIPE	GREY	GREY	WHITE	
11	ORANGE/BLACK STRIPE	ORANGE/BLACK STRIPE	PINK	PINK	PINK	
12	GREEN	GREEN	CREME	CREME	CREME	
13	BLACK/RED STRIPE	BLACK/RED STRIPE		WHITE/ORANGE STRIPE		
14	ORANGE/GREEN STRIPE	GREEN/WHITE STRIPE	WHITE/BLACK STRIPE			
15	WHITE/BLACK-RED	GREEN/BLACK STRIPE	WHITE/RED STRIPE			
16	RED/BLACK-WHITE	RED	WHITE/GREEN STRIPE			
17	BLACK/WHITE-RED	RED/WHITE STRIPE	WHITE/ORANGE STRIPE			
18	GREEN/WHITE STRIPE	RED/BLACK STRIPE				
19	GREEN/BLACK STRIPE	RED/GREEN STRIPE				
20	RED					
21	RED/WHITE STRIPE					
22	WHITE/RED STRIPE	WHITE/RED STRIPE		WHITE/RED STRIPE		
23	RED/BLACK STRIPE			WHITE/BLACK STRIPE		
24	RED/GREEN STRIPE			WHITE/GREEN STRIPE		

Twist, insert, and connect the unshielded drain wire of the control cable to the "G" pins on the optional Field Splice Connector

DB25 Field Splice