

Remove the back cover with a #2 Phillips head screw driver and identify the three heavy multi-stranded black phase cables. Note there is a common green wire and three similar colored wire pairs, grey, orange and blue, in addition to three similar gauge single red, white and black wires.

Identify which colored pair lead is "T1" by checking it's continuity with the Green (Common Lead) using a multi-meter on "ohm" setting. If it does NOT have continuity with green it is a "T1" lead. Follow the color coded chart below and ensure all connections are crimped securely and shrink wrapped for good insulation and moisture protection.

Do not use plastic electricians tape to wrap wire ends or caps. Use heat shrink wrap to ensure the crimped ends do not come loose from the cap.

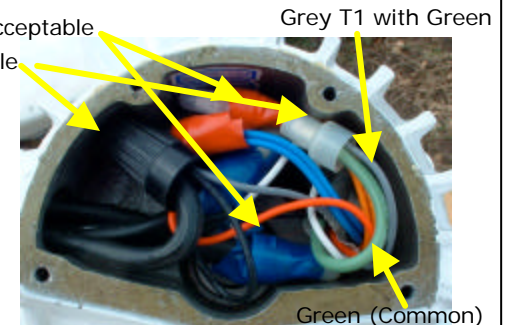
It does not matter which Phase Cable is used for each phase as long as the colored wires are connected as shown. Recheck your connections for correct pairing and security. Then replace the back cover.

Take time to evaluate your local wind regime. Setting MOD 3 in a high wind CLASS can result in damage to the windings, not covered by warranty. Setting MOD 0 in a low wind class will result in lower energy output.

**USE THE CORRECT SETTING FOR THE LOCAL AVERAGE WIND CLASS**

Wind Regime	Annual Average Speed mph	m/s	LAKOTA Setting
CLASS 1	10.1	4.5	Mod 3
CLASS 2	13.4	6.0	Mod 2
CLASS 3	15.0	6.7	Mod 2
CLASS 4	16.2	7.25	Mod 1
CLASS 5	17.3	7.75	Mod 1
CLASS 6	18.8	8.4	Mod 0
CLASS 7	22.3	9.95	Mod 0

Plastic tape wrapped caps NOT acceptable  
Caps not shrink wrapped NOT acceptable



WIND CLASS											
1-2			3			5-6			6-7		
10.1mph 4 m/s - 13.4mph 6m/s			15.0mph 6.7m/s			16.2mph 7.25m/s - 17.3mph 7.75m/s			18.8mph 8.4m/s - 22.3mph 9.95m/s		
MOD 3			Mod 2			MOD 1			MOD 0		
Red Phase 1	Red	Phase 1	Red	Grey	Phase 1	Red	Grey	Phase 1	Red	Blue	Phase 1
Black Phase 2	Black	Phase 2	Black	Grey	Phase 2	Black	Grey	Phase 2	Black	Grey	Phase 2
White Phase 3	White	Phase 3	White	Grey	Phase 3	White	Orange	Phase 3	White	Orange	Phase 3
Blue Blue T1	Blue	Blue T1	Blue	Blue T1		Blue	Blue T1				
Orange Orange T1	Orange	Orange T1	Orange	Orange T1							
Grey Grey T1	Grey	Grey T1									
Green (capped off)	Green	Grey T1				Green	Grey T1	Orange T1	Green	Grey T1	Orange T1
											Blue T1
NOTE: T1 Leads are identified as the ones that have NO continuity with Green											
Test for any connection (Ohm reading) between a coloured lead and Green											
Green is Common. It is NOT GROUND and should NEVER be grounded											

The MOD 2 wiring shown here is correct but not capped or shrink wrapped properly. The large black cap with brass screw connector inside it is an acceptable connector but the connector should be shrink wrapped as well.