

CONNECTION PLAN

Project ext:
System:
Client:

2900-2024
1
Future E&C

of 1



Sensor	Labelling	Channel	Terminal	Color	Function
Thies First Class UNHEATED Anemometer 4.3352.10.000	2900-1-AUS-V1-160m	P1	12V L F4		Voltage Supply
			GND L		Ground
			P1		Signal
Thies First Class UNHEATED Anemometer 4.3352.10.000	2900-1-AUS-V2-160m	P2	12V L F5		Voltage Supply
			GND L		Ground
			P2		Signal
Thies First Class UNHEATED Anemometer 4.3352.10.000	2900-1-AUS-V3-130m	C1	12V L F6		Voltage Supply
			GND L		Ground
			C1		Signal
Thies First Class UNHEATED Anemometer 4.3352.10.000	2900-1-AUS-V4-130m	C2	12V L F7		Voltage Supply
			GND L		Ground
			C2		Signal
Thies First Class UNHEATED Anemometer 4.3352.10.000	2900-1-AUS-V5-110m	C3	12V L F8		Voltage Supply
			GND L		Ground
			C3		Signal
Thies First Class UNHEATED Anemometer 4.3352.10.000	2900-1-AUS-V6-110m	C4	12V L F9		Voltage Supply
			GND L		Ground
			C4		Signal
Thies First Class UNHEATED Anemometer 4.3352.10.000	2900-1-AUS-V7-90m	C5	12V L F10		Voltage Supply
			GND L		Ground
			C5		Signal
Thies First Class UNHEATED Anemometer 4.3352.10.000	2900-1-AUS-V8-90m	C6	12V L F11		Voltage Supply
			GND L		Ground
			C6		Signal
Thies First Class UNHEATED Anemometer 4.3352.10.000	2900-1-AUS-V9-40m	C7	12V L F12		Voltage Supply
			GND L		Ground
			C7		Signal
Thies First Class UNHEATED Anemometer 4.3352.10.000	2900-1-AUS-V10-40m	C8	12V L F13		Voltage Supply
			GND L		Ground
			C8		Signal
Thies Compact UNHEATED Wind Vane 4.3129.70.773	2900-1-AUS-D1-155m	DIFF 1	12V L F14		Voltage Supply
			GND L		Ground
			SE 1		Voltage Output
			SE 2		Analogue Ground
Thies Compact UNHEATED Wind Vane 4.3129.70.773	2900-1-AUS-D2-125m	DIFF 2	12V L F15		Voltage Supply
			GND L		Ground
			SE 3		Voltage Output
			SE 4		Analogue Ground
Thies Compact UNHEATED Wind Vane 4.3129.70.773	2900-1-AUS-D3-105m	DIFF 3	12V L F16		Voltage Supply
			GND L		Ground
			SE 5		Voltage Output
			SE 6		Analogue Ground
Galltec+mela Temperature and Humidity KPC1.S/6-ME	2900-1-AUS-TH1-150m	DIFF 4 / DIFF 5	12V L F17		Voltage Supply
			GND L		Ground
			SE 10		Hum Signal -
			SE 9		Hum Signal +
			SE 7		Temp Signal +
Galltec+mela Temperature and Humidity KPC1.S/6-ME	2900-1-AUS-TH2-5m	DIFF 6 / DIFF 7	SE 8		Temp Signal -
			12V L F17		Voltage Supply
			GND L		Ground
			SE 14		Hum Signal -
			SE 13		Hum Signal +
Thies Barometer 3.1157.10.000	2900-1-AUS-P1-150m	SE 15	SE 11		Temp Signal +
			SE 12		Temp Signal -
			12V L F18		Voltage Supply
			GND L		Ground
			SE 15		Voltage Output
Thies Barometer 3.1157.10.000	2900-1-AUS-P2-5m	SE 16			Analogue Ground
			12V L F18		Voltage Supply
			GND L		Ground
			SE 16		Voltage Output
					Analogue Ground
Teltonika Modem RUT241	Relay Connection	S12	A1	to	S12
			A2	to	G
			14	to	Fuse 3A
			13	to	12 V
	Power Cable	-	GND L	to	Modem - Supply
			MOD +		Voltage Supply 12V
			MOD -		Ground
Charge Controller Victron MPPT 100/15	-	-	LAN1 (Modem)	to	Ethernet (Data logger)
			12V B		Voltage Supply
			GND B		Ground
Solar Panel 50Wp	-	-	PA+		Voltage Supply
			PA-		Ground



System assembled and tested according to connection plan:
Approved by:
Date:

CH
VZ
28.05.24

For spare parts, technical problems or questions:
<https://shop.profec-ventus.com>

For Bankable Wind Energy Consulting and Accredited Advise:
<http://www.profec-ventus.com>