



WIRING TABLE

FROM (PIN No.)	COLOR	PCB MARKING	LENGTH
LUMBERG (1)	YELLOW	Y	60mm
LUMBERG (2)	BLUE	B	60mm
LUMBERG (3)	RED	R	60mm
LUMBERG (4)	ORANGE	O	60mm
LUMBERG (5)	GREEN	G	60mm
2 PIN (A)	PINK	P+	60mm
2 PIN (B)	WHITE	P-	60mm
3 PIN (A)	BROWN	D	60mm
3 PIN (B)	VIOLET	J	60mm
3 PIN (C)	GREY	C	60mm
BATTERY+	RED	B+	40mm
BATTERY-	BLACK	B-	60mm
THERMISTOR+	WHITE	T+	110mm
THERMISTOR-	WHITE	T-	120mm
THERMISTOR-	BLUE	T-	75mm (SLEEVEING)
THERMISTOR-	BLUE	T-	85mm (SLEEVEING)

1. STRIP AND TIN 3mm AT BOTH ENDS OF ALL WIRES – REFER TO WIRING TABLE FOR LENGTHS.

2. SOLDER WIRES TO LUMBERG SOCKET (ITEM 5) AS SHOWN.

3. INSERT LUMBERG SOCKET (ITEM 5) THROUGH CASE FRONT (ITEM 1), ENSURE THE TAB ON THE SOCKET IS LOCATED IN THE GROOVE, FULLY TIGHTEN LOCKING RING.

4. SECURE 2 AND 3 PIN SOCKETS (ITEMS 6 & 7) TO PLATE (ITEM 4) WITH NUTS PROVIDED. SOLDER WIRES AS SHOWN.

5. INSERT PLATE (ITEM 4) INTO POSITION INSIDE CASE FRONT (ITEM 1).

6. FILL THE RECESS AROUND THE SOCKETS LEVEL TO THE TOP OF THE RETAINING WALL WITH RTV SEALANT (ITEM 30).

7. STAND THE CASE UPRIGHT AND LEAVE FOR AT LEAST 24 HOURS FOR RTV SEALANT TO DRY.

8. SOLDER WIRES TO BATTERY CONTACTS (ITEMS 8 & 9) AS SHOWN.

9. SOLDER ALL WIRES TO THE PCB ASSEMBLY (A18106).

10. AFFIX THE PCB ASSEMBLY INTO POSITION (LOOSELY TO ALLOW MOVEMENT) WITH THE TWO SCREWS (ITEM 15).

11. ON THE SHORTER LEAD AND 80mm ON THE LONGER, SOLDER THE WHITE WIRES (555SH) AS SHOWN STRIPPING BACK THE INSULATION BY 3mm AT BOTH ENDS. SOLDER THE THERMISTOR ASSEMBLY TO THE PCB (POLARITY UNIMPORTANT) AND ROUTE THE WIRES AS SHOWN. INSERT THE THERMISTOR TO THE BOTTOM OF THE BOSS AND RETAIN THE WIRING IN POSITION WITH A PIECE OF PACKING MATERIAL AS SHOWN.

12. PUSH BOTH THE POSITIVE (ITEM 9) AND THE NEGATIVE (ITEM 8) BATTERY CONTACTS INTO POSITION INTO THE CASE FRONT (ITEM 1).

13. ROUTE THE WIRES AS SHOWN.

14. REMOVE NUT FROM THE RF CONNECTOR ON PCB (A18100), STRETCH THE O RING (ITEM 17) OVER THE THREAD INTO THE GROOVE. INSERT THE RF CONNECTOR THROUGH THE HOLE IN THE SIDE (ITEM 1), ENSURE THE PLUG IS FULLY MATED INTO THE SOCKET ON THE LOWER PCB.

15. REPLACE THE NUT AND TIGHTEN, ENSURING THAT THE PCB DOES NOT TWIST AND REMAINS CONNECTED TO THE LOWER PCB. TIGHTEN THE TWO MAIN PCB FIXING SCREWS (ITEM 15).

16. 12. AFFIX SILICA GEL SACHET (ITEM 18) TO THE INSIDE OF THE CASE REAR (ITEM 2) IN POSITION SHOWN.

17. 13. AFFIX CASE REAR (ITEM 2) INTO POSITION WITH SCREWS (ITEM 19) AND O RINGS (ITEM 20).

18. 14. SCREW AERIAL (ITEM 27) INTO POSITION BEFORE FITTING BATTERY.

19. FAILURE TO AFFIX THE AERIAL BEFORE FITTING THE BATTERY WILL RESULT IN DAMAGE TO THE RF PCB ASSEMBLY (A18100)

20. 15. LIGHTLY GREASE BATTERY CONTACTS (ITEMS 8 & 9) WITH SILICONE GREASE AND INSERT BATTERY (ITEM 22).

21. 16. INSERT BATTERY COMPARTMENT SEAL (ITEM 21) INTO GROOVE IN CASE REAR. ENSURE IT IS CORRECTLY SEATED.

22. 17. AFFIX BATTERY COVER (ITEM 3) TO CASE REAR (ITEM 2) WITH SCREWS (ITEM 23) AND RETAINING WASHERS (ITEM 24).

23. 18. AFFIX FRONT LABEL (ITEM 25) AND BATTERY COVER LABEL (ITEM 33) INTO POSITION.

24. 19. GENERATE PRODUCT SERIAL NUMBER, ATTACH BEHIND CLEAR WINDOW OF REAR LABEL (ITEM 26) AND AFFIX TO CASE REAR IN POSITION SHOWN.

25. 20. INSERT PRODUCT INTO A PLASTIC BAG WITH A WALL BRACKET (ITEM 28) & 4 CABLE TIES (ITEM 29).

DO NOT SCALE PRINT			DIMENSIONS IN mm		SCALE:-- 1:1		TOLERANCES		TITLE:-- Comark Limited Stevenage, Herts. Tel. 01438 367367	
1			03.04.06		PRODUCTION RELEASE		This drawing is Copyright and is issued on the strict understanding that it is not reproduced, copied, stored in a retrieval system, or disclosed to a third party, without the consent in writing to Comark Limited Stevenage, Herts SG1 2TA		DRAWING No. A1 / GA / 11252	
USED ON			ISSUE		DATE		MOD.		SHEET 1 OF 1	
ISSUE			DATE		MOD.		CHK'D.		APP'D.	
DATE			MOD.		TITL:--		RF512 (PST) TRANSMITTER		GENERAL ASSEMBLY	