

Attachment Four

USER MANUAL

Electric Meter RMI Specifications

December 11, 1997

<u>Description</u>	<u>Medium Power Remote</u>
1. Frequency Range.....	902-928 MHz
2. Channel Capacity.....	128
3. Channel Spacing.....	180 KHz
4. Modulation Scheme.....	FSK, Frequency Hopping SS
5. Frequency Deviation.....	+/- 5 KHz
6. Data Rate.....	TX: 3906 Baud, RCV: 1953 Baud
7. Packet Length.....	376 Bits
8. Data Length.....	240 Bits
9. Fine Tuning Steps.....	200 Hz
10. Synthesizer Lock.....	< 1mS
11. Min. Threshold @ 1 over 1000 BER.....	-113 dBm
12. Max. Threshold @ 1 over 1000 BER.....	-30 dBm
13. Threshold @ 50 % Success.....	-103 dBm
14. Output Power	+20 dBm Min. Over Temp.
15. Frequency Accuracy.....	+/- 15 ppm
16. Temperature Range.....	-40C to +85C
17. Power Supply	240 Vac (+/- 20%)
18. AC Current Consumption.....	30mA Typical
19. Open Field Link Range.....	< 1/2 mile
20. Meter Count Accuracy	+/- 0.1%
21. ESD Immunity	15 KV Air & 10 KV Contact
22. Surge Immunity	6KV Bi-wave & Ring wave
23. Vibration	3 g (20-4 K Hz) @ 0.25 Octave/Min.
24. Shock	100g Half-Sinc. 11 ms
25. Brown-out	@ 50% line Voltage

26. Relative Humidity 95%
27. Agency Regulations FCC. UL. CE