



9.0 OPERATING PRINCIPLES AND CONFIGURATION	46
9.1 Synchronization—Basic Network	46
9.2 Extension Operation with SAF	46
Retransmission and ARQ operation.....	48
Synchronizing Network Units	48
9.3 Configuration Parameters for Store & Fwd Services	49
9.4 Security	51
10.0 TECHNICAL REFERENCE	53
10.1 Product Specifications	53
10.2 Diagnostic Interface Connections (RJ-11)	54
10.3 Data Interface Connections (DB-9F)	54
Pin Descriptions—RS/EIA-232 Mode.....	55
Pin Descriptions—RS/EIA-422/485 Mode.....	56
10.4 dBm-Watts-Volts Conversion Chart	57

Copyright Notice

This Installation and Operation Guide and all software described herein are Copyright 2002 by Microwave Data Systems Inc. All rights reserved. Microwave Data Systems Inc. reserves its right to correct any errors and omissions in this manual.

MDS Quality Policy Statement

We, the employees of Microwave Data Systems, are committed to understanding and exceeding our customer’s needs and expectations.

- We appreciate our customers’ patronage. They are our business.
- We promise to serve them and anticipate their needs.
- We are committed to providing solutions that are cost effective, innovative and reliable, with consistently high levels of quality.

We are committed to the continuous improvement of all of our systems and processes, to improve product quality and increase customer satisfaction.

RF Exposure Notice

RF EXPOSURE Professional installation required. The radio equipment described in this guide emits radio frequency energy. Although the power level is low, the concentrated energy from a directional antenna may pose a health hazard. Do not allow people to come closer than 23 cm (9 inches) to the antenna when the transmitter is operating in indoor or outdoor environments. More information on RF exposure is available on the Internet at www.fcc.gov/oet/info/documents/bulletins.



ISO 9001 Registration

Microwave Data Systems adheres to the internationally-accepted ISO 9001 quality system standard.