Stride[®] Modbus Gateway User Manual Table of Contents

CONTENTS

CHAPTER 1: GETTING STARTING 1–1 User Manual Overview 1–2 Introduction 1–3 Product Overview 1–3 Hardware 1–3 Hardware Reset Button 1–5 DIP G. Juden 1–5
DIP Switches 1–5 LEDs 1–5 Installation, DIN Rail Mounting. 1–6 Dimensional Drawings 1–7 Wiring 1–8 Power 1–8 Ethernet Wiring 1–9 Serial Port Wiring 1–10 Operation 1–11
Transparent Mode 1–11 Agent Mode 1–11
CHAPTER 2: SUMMARY OF MODBUS MODES
Modbus TCP Client/Master Device to Gateway Memory. Gateway Talks Directly to Modbus RTU Slave Devices 2–4 Mode 3: Transparent, RTU Slave mode: Modbus RTU Master Device to Gateway to Modbus TCP Server/Slave Devices Mode 4: Agent, RTU Slave mode:
Modbus RTU Master Device to Gateway Memory. Gateway Talks Directly to Modbus TCP Server/Slave Devices
CHAPTER 3: WEB CONSOLE CONFIGURATION 3-1 Initial Connection .3-2 Device Info Page. .3-3 Network Settings .3-4 Operating Settings .3-5 For Modbus RTU/ASCII Master to Modbus TCP Servers (Slaves) .3-5 For Modbus TCP Master (Client) Device to Modbus RTU/ASCII Slave Devices .3-6 Serial Settings .3-7

Table of Contents

Agent Settings	
Gateway Settings	
Message List	
Data in Gateway Memory	
Import/Export	
Export	
Import	
Upgrade Firmware.	
Load Factory Default	
Reboot	
Reboot	10
APPENDIX A: APPLICATION EXAMPLES	-1
Example 1:	
Using Modbus Poll to STRIDE Modbus Gateway with BRX Slave	-2
Example 2:	~
Using Modbus Poll to STRIDE MB Gateway with CLICK Slave	-9
Example 3: Using P3000 as Master (Client) to STRIDE Modbus Gateway with CLICK Slave	17
Using PS000 as Master (Client) to STRIDE Moubus Galeway with CLICK Slave	
APPENDIX B: STRIDE MODBUS GATEWAY OPERATING MODE EXAMPLES	-1
Example 1:	
TRANSPARENT Mode, with Modbus TCP Master (Client) Devices to	_
Modbus RTU/ASCII Slave Devices	-2
Example 2:	
TRANSPARENT Mode, with Modbus RTU/ASCII Master Devices to Modbus TCP Slave (Server) Devices.	-6
Example 3:	0
AGENT Mode, with Modbus TCP Master (Client) Devices to	
Modbus RTU/ASCII Slave Devices	11
Example 4:	
AGENT Mode, with Modbus RTU/ASCII Master Devices to	
Modbus TCP Slave (Server) Devices	16
Appendix C: Modbus Error Codes	-1
Modbus Error Codes	
APPENDIX D: SECURITY CONSIDERATIONS FOR CONTROL SYSTEMS NETWORKS D-	
Security Considerations for Control Systems Networks	-2