



WS2200

WS2200 Remote Terminal Unit

Designed for small facility applications, WS2200 flexibility can meet any remote alarming and monitoring needs. Featuring an extended temperature range and low power consumption, remote management, and distributed reporting; the WS2200 brings situational awareness from the network edge to the entire organization.

For over 30 years, Westronic has provided the telecom industry with an extensive portfolio of alarm management solutions suitable for any environment. The WS2200 provides a cost-effective approach for smaller remote sites or outside plants.

Features include: a variety of northbound reporting protocols, configured alarms can be viewed at a glance, and alarms can be hardwired or retrieved from local devices using southbound protocols making the WS2200 a flexible solution for network management.

Fully Featured

- Compatible with all the major Network Management Systems
- Distributed reporting
- Four analog inputs
- Low power consumption
- SNMP and TL1 northbound interfaces
- TABS, TBOS, Modbus, and other southbound protocols
- Dual IPV4/V6 stack capable
- Health alarms include monitoring the internal power, temperature, alarm input circuits, and southbound collection devices

Intelligent Alarm Management

- Rules-based correlation application
- Alarm consolidation with derived alarms
- Customizable ancillary alarm information
- Remote access and alarm viewing

Secure Communications

- Webservice
- TL1 alarm reporting
- WS Manager configuration

Flexible

- Extended temperature range
- Available with 32, 64 or 160 optically isolated Discrete Inputs
- LED status indicators or optional LCD with menus

Provisioning Made Easy

- Visual LED indicators for Digital and Analog Inputs as well as Outputs
- Visual LCD status indication Digital and Analog Inputs on higher point count models
- Remote firmware and configuration management
- 50 pin CHAMP style connector is compatible with legacy Westronic products

HOW SMART IS YOUR NETWORK?

SPECIFICATIONS WS2200

Engineering Specifications

Chassis

CPU:	32 bit, 800 MHz x86 Microcontroller
Power (V):	Dual -48 VDC/ (monitored and alarmed)
Power Consumption:	75 mA idle, 300 mA maximum @ -48 VDC
Operating Voltage Range:	-40 to -60 VDC
Dimensions (HxWxD):	1.75" x 17.2" x 7.5" (without mounting brackets) (4.45 cm x 43.6 cm x 19.0 cm)
Weight:	6.2 lb (2.81 kg)
I/O Termination Interface:	50 pin AMP connector

Display - LED

LED Indicators:	Power Feed, +5 V Power, CPU Run, all Discrete Inputs, Analog Inputs, and Control Outputs
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Display - LCD (option)

LED Indicators:	Power Feed, +5 V Power, CPU Run, CR, MJ, MN
Navigation Controls:	Next, Previous, Select, Exit
LCD Panel:	4 x 20 character, shows alarm status and alarm history

Inputs - Discrete

Input Count:	32, 64, or 160 optically isolated
Protection:	Sustain maximum transient voltages of 15 kV per Telcordia GR1089
Ground:	Common ground for all inputs
Sampling Rate:	100 Hz
Input Voltage:	Referenced to -48 VDC
Input Current:	~ 1.0 mA for each input
Logic Levels:	0 (Off) -40 VDC through -48 VDC (nominal voltage) 1 (On) -30 VDC through +5 VDC (nominal voltage)

Inputs - Analog

Input Count:	4 total Preconfigured for +/-100 mV, 0-60 V, or 4-20 mA User configurable scaling and thresholds
Temperature:	1 onboard temperature sensor (standard)

Outputs - Discrete

Output Count:	4 mechanical relays
Relay Type:	1 - Form C, SPDT 3 - Form A, SPST
Operation Types:	Latched or momentary Momentary duration is programmable from 400 through 999 milliseconds
Contact Ratings:	0.5 A at 60 VDC 0.5 A at 125 VAC 60 W (maximum) switching power

Communications

Serial Port:	1 RJ11, preconfigured RS232/RS485, 300 to 57600 bps
Craft Port:	1 RJ45, RS232, 57600 bps
Ethernet:	1 Ethernet port, 10/100 Base-T, RJ45
Miscellaneous:	Secure webserver, TL1, and configuration available

General Specifications

Storage Temperature:	-40 °F to +158 °F (-40 °C to +70 °C)
Operating Temperature:	-40 °F to +158 °F (-40 °C to +70 °C)
Relative Humidity:	5% to 90% non-condensing

Firmware

Northbound Protocols	
•	SNMP (includes re-trap method to resend current alarms)
•	TL1
•	TABS Serial

Miscellaneous

- Serial pass-through functionality (terminal server)
- Non-volatile alarm logging possible.
- NTP
- Remote firmware upgrades
- Configuration version query, upload and download
- Derived alarm engine
- Alarm correlation
- Central configuration database and single point of access for RTUs possible through WS Manager

Certifications and Standards

- NEBS 3 Certified

Warranty and Support

- Two years parts and labor
- Unlimited support

