



SERIES 1000 EX

The Microtel Series 1000EX remote monitoring solution is the ultimate in dialing notification and alarm systems. Offering the user many features, Microtel's Series 1000EX is a versatile, state of the art dialer that can be configured in any number of ways to meet the most simple or highly complex technological needs of the user.

- Voice, Fax, Computer or Pager Notification
- "Real Voice" Digitized Speech
- 100% Modular Digital or Analog
- Input/Output Configuration
- Standard or Cellular Telephone Connection
- 3 Year Parts & Service Warranty

FEATURES

- **Expandable to 40 Channels w/ User-Selectable Modules for I/O Configuration**
Users can specify a plug-in module for each individually-monitored channel; digital or analog I/O channels; variable voltage and current options allow for factory configured dialer that interfaces with most existing fields instrumentation and eliminates expensive instrument replacement and calibration
- **Convenient Local/Remote Programmability**
Programmable locally via touch-tone phone and laptop computer; remotely by touch-tone phone; or configure for use with a cellular phone; local printer port logs all system events
- **Communications Compatibility**
Each I/O channel has an independent telephone list from a master telephone directory; direct telephone or cellular communications to fax or answering machines, digital or voice radio pagers or to a computer
- **Call Progress Decoding**
Full-function call progress decoding allows system to detect and react to a dial tone, paging queues, human voice, busy and no answer; invaluable when configuring the system to call pagers, PA systems, answering and fax machines
- **Sturdy Panel Mount or NEMA 12 Enclosure**
Multiple installation options include non-enclosure panel mounting or housing the Microtel Series 1000EX Dialer in a NEMA 12 rated fiberglass enclosure with locking stainless steel hardware and gaskets
- **Cellular Phone Options**
Can be configured in a NEMA 4x enclosure as a Cellular or Cellular Ready System. Configured as a Cellular System the S1000 connects to Cellular Interface & Cellular Phone, as required by customers cellular provider. In a Cellular Ready configuration customer must provide a Bluetooth Cellular phone



Panel Mount



NEMA 12



NEMA 4X



40 Input NEMA 12

MICROTEL

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TECHNICAL SPECIFICATIONS

Environmental

Temperature 20 to 130 F
Humidity 0 to 95% non-condensing
Surge 2500V per ANSI C-37-90A-1974, common and differential mode

Electrical

Power Requirements 120VAC, 60Hz, 38 Watts
UL & CSA listed power supply
Fault Sensing Current 5mA per channel
Run Time Inputs 00:00:00 (DD:HH:MM:)
Totalizer - Counter 000000 Counts, 1 pps. ch. 1-7, 50 pps. ch. 8, 1 pps. ch. 10-41
Battery Back-up 24 hours typical
Power Outage Detection Time 1-5999 seconds

Physical

Dimensions Panel mount 8.8" H x 7.7" W x 4" D
Enclosure NEMA 12 10" H x 8" W x 6" D (No Expander)
Enclosure NEMA 4X 14" H x 12" W x 7" D (No Expander)
Enclosure NEMA 12 (40 Input) 15.50" H x 12.76" W x 8.26" D
Weight Panel mount 4 lbs.
NEMA 12 10 lbs. (No Expander)
NEMA 4X 22 lbs. (No Expander)
NEMA 12 32 lbs. (40 Input)
Mounting Method Flange mount, 4 points
Enclosure NEMA 4X, NEMA 12 (No Expander)

Telephone System

FCC Registered for direct interconnect FCC Registration Number 1QEUSA-21532-AL-E
Dialing Capacity 32 phone numbers, 9 numbers each channel, 60 digits each
Dialing Format Pulse of tone
Answer Delay Programmable, 1 to 99 rings
Acknowledge Intercall Delay 1 minute to 100 days
Call Acknowledgments Method Tone or callback auto-acknowledgment
Unacknowledged Intercall Delay 1 to 99 minutes
Call Progress Decoding Voice, dial tone, busy, ring-back, pager, terminal tone, answer back tone

Operational

Fault Detection Method Normally open or closed, analog setpoint selectable, programmable
Fault Time Constant 1 to 5999 seconds
Station Identification 6 seconds
Message Selection 3 seconds
Data Retention Non-volatile memory
Programming Local/remote touch-tone telephone or computer

System Diagnostics

Audible Indicators Vocal status of all fault conditions, station identification and acknowledge response
Visual Indicators Power, fault, local phone off hook, line off-hook, incoming call and call in progress, channel in alarm (if using digital input module), output channel open/closed (if using digital output module)

Options

Assorted NEMA enclosures, power/phone line surge protection

Warranty

3 year Parts & Service

Applications

Remote pump stations, unmanned oil fields, greenhouses, refrigerated storage areas, level control, pressure, temperature, vacuum, leak detection, pH monitoring, fire, equipment malfunction, flow, residual, weight, power unmanned substations, HVAC, computer rooms, fuel storage

*Specifications Subject To Change

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Contact Microtel or your nearest authorized representative for more information

Represented by