

Industrial AutoDialer

SentriDial



FEATURES

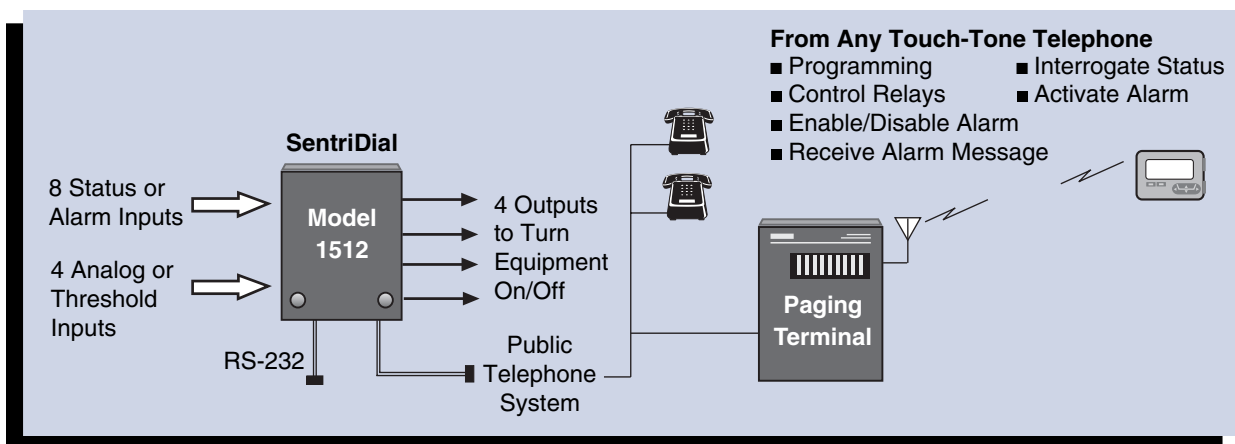
- Up to 80 seconds of natural voice messages
- Remotely configurable
- Dial up to 120 phone numbers
- Optional wide-area alpha paging
- 4 remote control outputs via DTMF
- Cellphone compatible
- Built-in configuration menus
- 8 digital and 4 analog alarm inputs
- Voice and programming are battery backed

INTRODUCTION

SentriDial is a full-featured, economical industrial autodialer. Users can monitor 8 discrete inputs (normally open or normally ground) and 4 analog inputs (voltage or current level) and control 1 relay output and 3 open collector outputs remotely via telephone. Upon sensing an alarm condition, SentriDial automatically alarms via a user programmable list of phone numbers with specific user recordable voice messages stored in solid state memory or optional alphanumeric text pages. Configuration is via a friendly menu driven interface that does not require special training for system operation. The standard SentriDial features a rugged, metal case. As an option, users can purchase the SentriDial integrated into a fiberglass or steel NEMA 4X case with integrated battery, charger, power supply, and space for a cellphone for rugged applications.

APPLICATIONS

- Economical alarm reporter for security
- Machinery monitoring
- Add voice/page alarms to fire/security systems
- Pump/tank/lift station monitoring
- Agricultural monitoring
- Remote alarming via cellphone
- Engine and battery monitoring
- Remote reset/reboot via phone



TAP PAGING

Telocator Alphanumeric Protocol (TAP) is standard format for sending text paging information to a paging terminal from a computer or other intelligent machines. This option allows the SentiDial to send text messages associated with an alarm condition through an on-site paging terminal or wide-area paging service. Individual alarm messages can be up to 180 characters long allowing a detailed description of each alarm condition to be sent as a page.

PROGRAMMABLE FEATURES

	PC	DTMF
Voice Messages		
– all's well	X	X
– assign call list to inputs	X	X
– select and set length of message	X	X
– number of times to repeat message	X	X
– set pause between calls	X	X
– record/playback/clear the message	X	X
– edit/remove call list phone numbers	X	X
Page Alarms		
– enter alpha messages for wide-area paging	X	
– set 1, 2, or 3 paging terminals to call	X	
– set terminal phone #, password, parity	X	
Alarms		
– set thresholds for analog inputs –high and low reset, high and low threshold	X	
– set # of times to repeat alarm cycle	X	X
– set time between retries	X	X
– set acknowledge type: –call everyone as long as alarm present –call until everyone acknowledges –call until one person acknowledges –call until someone acknowledges, then call again if alarm is still present after wait period	X	X
– enter 1-15 sec pauses between phone numbers	X	
– enter phone numbers of up to 30 digits	X	
– set input debounce time	X	
– set inputs NO, NC, status, momentary, disabled	X	X
Control/Status/Security		
– set security code	X	
– set acknowledge code and wait period	X	
– set # of rings before answering	X	
– tone or pulse dialing	X	X
– turn control outputs and relay on/off	X	X
– set outputs to latched, momentary	X	
– display status of each alarm	X	

SPECIFICATIONS

POWER	9VAC-RMS OR 11-14VDC 80 mA idle, 90 mA typical, 250 mA maximum @ 12VDC 115 VAC with wall transformer Primary Fuse: 2 A
PHYSICAL	
Dimensions	10.25" x 8" x 1.9"
Weight	2 lb.
Operating Temp.	0-60 degrees C (32-140 degrees F)

INPUTS/OUTPUTS

Analog Inputs

Number	4
Range	0-5VDC, 4-20 mA
Resolution	8 bit
Protection	± 48 VDC (maximum)

Contact Closure Inputs (Digital)

Number	8
Type	Contact closure to ground or 0-5 or 5-0 volt change
Logic low	< 0.8VDC or < 5 ohm to ground
Logic high	> 2.0VDC or > 2 Kohm to ground

Control Relays (Outputs)

Number	4
Type	Form C
Capacity	120 VAC, 0.5 A maximum 28VDC, 0.5 A maximum 60 VA maximum
Voice	Natural recordable up to 80 seconds

RS-232 Serial Interface

4800 baud, 8 bits, 1 stop, No Parity
Transmit, Receive, Ground
No hardware handshaking

Programming Interfaces

RS-232 Port
PSTN dial-up using DTMF
Local direct DTMF telephone interface

Communication Interface

PSTN dial-up using DTMF telephone interface

Audio Output

20 mVp-P to 2 VP-P

Audio Input

1-2 VP-P

Approvals

FCC Part 15 and 68, Industry Canada

TELEPHONE INTERFACE

End-to-End Line (standard connection) 600 ohm balanced line, automatic line seizure for inbound calls using ring detect.

Connector RJ-11C modular 6-wire jack (only 2-wire, TIP/RING used)

Ringer Equivalency 0.45 dB

Max Power Output to PSTN

-10 dBm

DTMF power output to PSTN

-1.0 dBm

DTMF Timing

100 msec on, 100 msec off

Tone or Pulse Dialing

ORDERING/OPTIONS

- Basic SentiDial without any voice
- Voice Option – 10 sec each (limit 8)
- TAP Paging Option (300 baud or 1200 baud), alphanumeric messages (180 characters maximum)
- DeadBolt Lightning Surge Arrestor
- 220VAC 50Hz Wall Transformer
- 115VAC 60Hz Wall Transformer
- NEMA Case, Battery, Charger, Power Supply

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See Zetron price list for option pricing. Specifications subject to change without notice.

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