

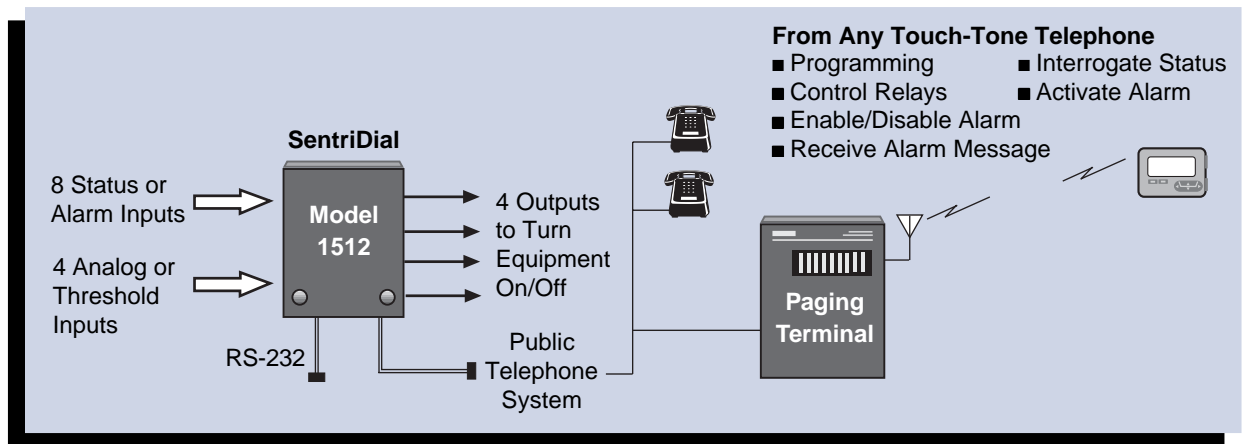
Industrial AutoDialer

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



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

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.

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	X	
-high and low reset, high and low threshold		
- set # of times to repeat alarm cycle	X	X
- set time between retries	X	X
- set acknowledge type:	X	X
-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		
- 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

INPUTS/OUTPUTS

8 digital contact closure inputs protected to 48VDC

levels: logic low <0.8 VDC
logic high >2.0 VDC

4 analog inputs

levels 0-5VDC or 4-20mA (protected to 48VDC)

1 relay output: voltage: 120 VAC, 28VDC max
current: 0.5A, 60VA max

4 discrete outputs

3 open collector type with 100mA typical sink current
VCC + 1V max

1 relay 120VAC, 1 amp

Voice natural recordable, up to 120 seconds

Programming

Interfaces RS-232 port
PSTN using DTMF
local phone

PHYSICAL

Dimensions 10.25" x 8" x 1.9"

Weight 2 lb.

Operating Temp. 0 - 60 degrees C. (32 - 140 degrees F)

ELECTRICAL

Power 9VAC-RMS or 11 - 14VDC

Current (@ 12 VDC) Idle: 100mA

Peak Operation: 250mA (all relays on)

TELEPHONE INTERFACE

600 ohm

balanced line Ringer equivalents .45dB

2-wire (Tip/Ring)
RJ11

max power output to PSTN -10dBm

DTMF power output to PSTN -1dBm

DTMF signal 100msec on and 100msec off

Tone or pulse dialing

RS-232 INTERFACE

4800 baud, 8 bits, No parity, 1 stop bit
no hardware or software flow control

AUDIO OUTPUT

20mVP-P TO 2VP-P

AUDIO INPUT

1 - 2VP-P

APPROVALS

FCC Part 15 and 68, Industry Canada

ORDERING/OPTIONS

Basic SentiDial without any voice
Voice Option - 10 sec each (limit 8)
TAP Paging Option

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. Literature number: 005-0259G.1 December 1999