



CellAlert[®] Cellular Telephone Detector

The Holaday CellAlert[®] Cellular Telephone Detector (Handy-Phone Detector) responds to mobile phone transmissions and provides audible, visual and remote alerts.

The instruments provide exemplary performance as an area detector to automate the monitoring function at the target site.

Use the Selector Guide to determine the appropriate model for the wireless bands needing coverage (also see Country Standards Listing).



Selector Guide

by Wireless Standard

	f _c (MHz)	Bandwidth (MHz)	Model 01	Model 02	Model 03	Model 04
AMPS (Advanced Mobile Phone Service)	836.5	25	•			•
NADC (North American Digital Cellular)	836.5	25	•			
PCS (Personal Communications System)	1880	60	•			
GSM	902.5	25		•	•	•
ETACS	887.5	33		•		
PCN / DCS	1747.5	75		•	•	•

Performance Specifications *(all models)*

Detect Level Flatness	± 5dB
Out-of-Band Rejection	-10dBc (min) beyond RF Bandwidth Range Limits
Antenna Polarization	Vertical
Detection Range	30m (min) at max sensitivity (unobstructed and polarization-aligned)
Sensitivity	10nW/cm ² (min), adjustable
Dynamic Range	10nW/cm ² to 5μW/cm ² (25μW/cm ² max input power)
Detectable Pulse Width	50msec (min)
Audible Response Time	1500msec (max, Detect-to-Indication)
Visual Response Time	500msec (max, Detect-to-Indication)
Signal Detection	Detects both Registration and Communication Transmissions



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Indicators *(all models)*

Audible Indicator	Produces audible recorded message Repeats if phone use is continually detected Sound level adjustable from 0-80dB (min) and 1m 10sec max message length (factory recorded, selectable)
Visual Indicators	Detect Lamp (Amber) Real-Time Detection: Flashes rapidly while signal is present Previous Detection: Flashes slowly until Reset Power ON Lamp (Green)
Reset	Front-Panel push button resets indicator
Test	Rear-Panel push button activates self-test and audible alarm
COM Port	Rear-Panel RJ45 connector for Remote Monitoring

Input Power *(all models)*

Input Voltage	115V/60Hz – 230V/50Hz, user-selectable
Power Consumption	250mW typical (1W max)

General Information *(all models)*

Operating Temperature	10 – 40°C
Operating Humidity	5 – 95% relative humidity, non-condensing
Housing Dimensions	137x104x168mm (5.4"w x 4.1"d x 6.6"h)
Antenna Height	95mm (3.7")
Weight	1.3kg (2.9 lbs.)
Safety	Declaration of Conformity to EC Electromagnetic Compatibility and Low Voltage Safety Requirements (CE Marked)

Typical Model Applicability by Country

Model 500186-01	United States
Model 500186-02	United Kingdom
Model 500186-03	Germany, Continental Europe
Model 500186-04	Australia