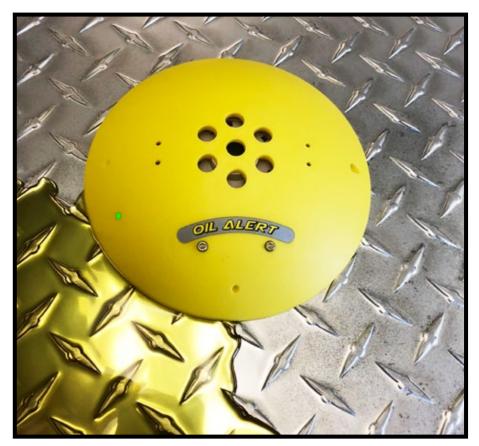


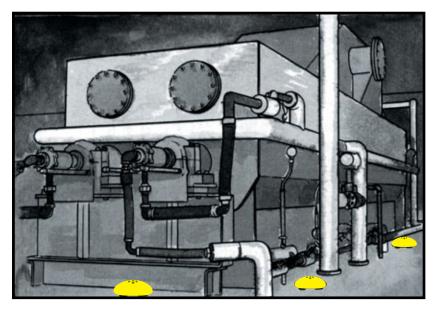
DETECT OIL LEAKS AND SPILLS...FAST!



Second Generation

- AVOID OPERATIONS SHUT-DOWN
 - REDUCE ENVIRONMENTAL RISKS
 - MINIMIZE COSTLY CLEAN-UP
 - MONITOR OFF-SITE EQUIPMENT





LIQUID LEAK DETECTOR

A small amount of oil (1/32 inch) seeping under Oil Alert activates it's loud "on/off" alarm and/or relay contact output.

The low profile dome shaped unit guards against undetected leakage in areas of oil lubricated / hydraulic equipment, standby generators, pressurized piping and fuel oil storage locations...

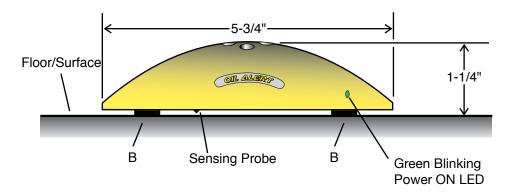
Simply locate Oil Alerts in potential danger areas (see left).

PRINCIPLE OF OPERATION

Oil Alert is activated by liquid* reaching the sensing probe, which is 1/32" from the surface. The pads B1 and B2 provide a gap between the case and the surface to admit liquid under the unit for detection. Once a leak has been detected, and cleaned up, the Oil-Alert will self reset. You may also have to wipe clean the Sensing Probe with mild soap and water, then dry.

*Liquid leakage including clean or dirty oil (lubricating, diesel, fuel, cutting, general industrial), solvents, water etc. (conductive or non-conductive)

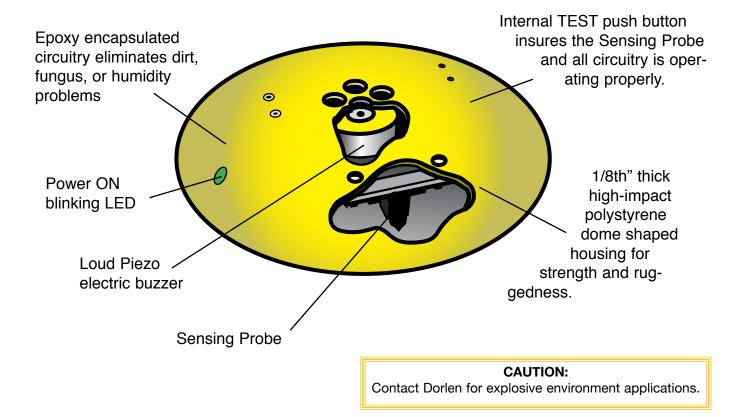
When liquid film (oil etc.) comes in contact with the "Sensing Probe", the Oil Alert will instantly activte!



FEATURES AND SPECIFICATIONS

- Powered by low voltage 8-13vdc.
 (Max current draw 20mA activated)
- Rapid activation on ALL oils / liquids.
- 3 Models available to meet your specific requirements.
- All units tested 3 times during manufacture.
- Made in the USA.

- OAX-2100 is testable from Series 2100 Monitor.)
- O Designed for indoor use...operates from 25 F to 125 F...Relative humidity 10% to 90%.
- "On-off" buzzer signaling distinguishes from back ground noise.
- 5 Year Warranty and individual serial number printed on all units.



OIL ALERT MODELS



Lowest cost - **Ideal for local indication of leakage.** Simply apply 8-13vdc and locate in potential danger areas where an early warning is desired. 100db alarm. Internal Test push button (Waterproof IP67).



Provides audible alarm and isolated relay contacts (DPDT) rated 1amp at 28VDC Max. which transfer and hold when activated - **Ideal to tie into existing security panel or control panel.** 100 db. alarm. Requires 8-13vdc. Internal Test push button (Waterproof IP67).Can also be used with **RA-WM** Remote Alarm and **PR-WM** Power Relay (see pg.5).



Provides output leads to signal **SERIES 2100 Monitor** (see pg.3), and 85 db. alarm. OAX-2100 is powered and testable from the Series 2100 Monitor panel. Requires 3 conductor#22 Stranded, and Sheilded. (Dorlen Type F).

COMMON APPLICATION AREAS:

Hydraulic Test Stands
Wind Turbines
Machining Centers
Diesel fuel storage tanks
Stand-by Equipment monitoring
Coolant Oil Piping

Elevator Pits
Oil Storage Locations
Hydraulic Piping
Remote Site Monitoring
Unattended/Obscured Areas

WM-12(T) Monitoring Panel with OAX-2100 Oil-Alert

SERIES 2100 Remote Monitored System

General Description

The Series 2100 is an early warning leak detection system utilizing the latest line of Dorlen Products remote monitors and compatible OAX-2100 Oil Alert detectors. All Series 2100 Monitors Monitor and Power the connected OAX-2100 Oil Alerts.

The easily installed system is made up of only 3 separate components, 1 Monitor (2 models available), up to 12 Oil Alert detectors, and Dorlen type "F" interconnect cable.

When one or more Oil Alert detects liquid leakage it will activate its internal audible alarm and signal the monitor. The monitor will then activate providing an audible alarm, red flashing lamp, LED indication of activated Oil Alert(s) and transfer a dual set of isolated relay contacts. The Oil Alerts may be located up to 2500 feet from the monitor.

SERIES 2100 SPECIFICATIONS

Monitor Input Voltage/Current: 115VAC 10%, 60Hz, .2Amp max.

Monitor Output Voltage: 9VDC (To detectors) Monitor Audible Alarm: 85db at 3 feet

Input: **UL listed input transformer,** Terminal strip hard wired

Dimensions / Wt. 6 & 12 channel: 10"Wx5"Dx12"H / 20lbs

TYPE F Cable -

3 Conductor #22 AWG, stranded, shielded, color coded w/vinyl jacket; .175" O.D.

To learn more about our Series 2100 and other products and accessories please visit WWW.WATERALERT.COM and download our master catalog.

- Monitors will monitor, power and TEST the connected Oil Alerts (Oil Alert Model OAX-2100).
- WM-6(T) panel can monitor, power and test up to Qty. 6: OAX-2100 Detectors. WM-12(T) up to Qty.12 detectors.
- Upon Oil Alert activation, monitors sound audible alarm, flashing red Lamp and LED indication of which Oil Alert has activated.
- Monitors are equipped with automatic internal battery back-up in case of line power failure, system will remain monitoring for up to 2 days without AC power... Battery self recharges upon AC return.
- Monitors are equipped with 2- SPDT isolated relay contacts which will transfer upon any Oil Alert activation for customer use in signaling existing security panels or other equipment. (Relays rated at 1 amp,28VDC).
- Extremely simple installation... Normally carried out by company maintenance personnel with instructions furnished. ALL hardware included.
- Ultra-reliable performance; All Monitors come with a 5 year Warranty...prices shown on attached price list.
- Everthing needed to make your system functional and easy to install.

OPTIONS AND ACCESSORIES =

PSW-6 Power Supply:



DC power supply ideal for large installations. Operates up to 18 Oil Alert detectors, wiring instructions furnished. Internal self-recharging battery provides back up power to system in event of line power failure. Power cord included but may also be hard wired in. UL Listed input transformer. Flashing LED indicating power to Oil Alerts. Large screw-type terminal blocks inside enclosure for convenient wiring. Connection to Oil Alerts is made by means of wire nuts. Short ciruit, overload and over voltage protected. 5' Wire duct included. Rugged, attractive Wall mounted enclosure12.25"H x 8.5"W x 5.25"D. 9VDC output.

PR-WW Power Relay:



Used to control high powered equipment such as pumps, motors and solenoids from an OAX-5 Oil Alert Detector. Unit is surface wall mounted in a NEMA 4x nonmetallic encloser. Unit will power up to 2 Oil Alert detectors Model OAX-5. **UL Listed** input transformer. Input:- Normally Open Contact from OAX-5. Output: SPDT Relay Contact (Form C) Rated - 120VAC @ 20 Amps. Large screw-type terminal blocks inside enclosure for convenient wiring. Connection to Oil Alerts is made by means of wire nuts. Power ON LED, Relay Activated LED. Dimensions- 8" H x 4.5" W x 2.75" D.

<mark>R∕A=OD Remote Alarm:</mark>



Unit can be mounted indoor or *outdoor* for remote notification of an alarm condtion. Compatible with OAX-5 Oil Alert Detectors and all Series 2100 Monitor panels. Unit is surface wall mounted. Operates on 12VDC, **UL Listed** plug in transformer included. Loud 120db low tone siren draws only 700mA. Blue color strobe. (Other colors available upon request, contact Dorlen for details) Dimensions- 7"H x 5.75"W x 4.5"D

RA=WM Remote Alarm:



Used for additional remote indication of liquid leakage. Compatible with OAX-5 Oil Alert Detectors and all Series 2100 Monitor panels. Unit is surface wall mounted. **UL Listed** input transformer. Input- Normally Open Contact from OA-5. 10mm LED indicator and 85db Audible Alarm w/silence switch. Dimensions- 6"H x 3"W x 2"D.

OPTIONS AND ACCESSORIES

AD=6 Auto-Dialer:



- Dialer may be called from any off-premise location. The dialer will answer and state status of the three Alert Conditions, temperature existing at dialer, AC power (on or off) and battery condition (OK or low).
- Easily programmed using internal keyboard.
 Tamper resistant ... cannot change dial-out phone numbers with password protection if desired.
- Rechargeable back-up battery included. Backs up dialer for 15 hours should AC line fail. Upon AC power return, battery automatically recharges.
- Protected against high electrical noise ambient (heavy electrical machinery, etc.)
- Rugged, attractive "Wall Mount" enclosure, 7.25"
 W x 4.5" D x 11.25" H. Weight: 8 lbs. UL Listed line cord adaptor FCC approved.
- Complete instructions furnished. The AD-6 comes with a 5 Year Limited Warranty.

Provides Off-Premise Indication of Water/Liquid Leakage and other Emergency Conditions.

The AD-6 is a new state-of-the-art automatic telephone dialer and annunciator that is designed for use with various alarm devices. The AD-6 automatically dials a sequence of user programmed phone numbers (maximum of eight) and provides a custom voice message indicating the emergency condition which exists at the dialer location (building, small business, office, computer room, etc.)

Applications include private, commercial, institutional and industrial situations - providing a warning, especially at night, that an emergency situation exists, and allowing the called party to take immediate action to prevent or minimize damage or financial loss.

The AD-6 Auto-Dialer is compatible with the OAX-5 Oil Alert and all Series 2100 Monitors, and also standard alarm devices which provide contact opening or closure. The remote devices are connected to the AD-6 by means of low voltage pairs of wire. Three individual inputs are available to monitor groups of contact operating devices. As example, the #1 input may be used to monitor a group of Oil Alerts or Dorlen Remote Monitor, #2 input standard intrusion devices (normally closed contacts open) and #3 fire-detecting devices (normally open contacts close). Alternatively, three different zones of Oil Alert groups may be used to activate the three inputs for dialer operation dedicated exclusively to liquid leakage detection. High and low temperature limits can also be programmed into the AD-6 (single temperature sensor included).

Upon activation of any of the three monitored inputs, the AD-6 will locally announce the Alert Condition for 30 seconds. If the "Alarm Cancel" switch is not pressed (i.e.; personnel are not present) the AD-6 will commence the dial-out, calling each of eight numbers sequentially. The first party answering the dial-out acknowledges receipt of the Alert Condition message by entering an acknowledgment code. This terminates the dial-out for this condition. The AD-6 will call continuously in the above fashion waiting one minute between each number dialed until acknowledged.

Visit www.wateralert.com to learn about Dorlen's Water Alert systems!

WIRE AND CABLE:

rype cable: Signal/Power wire - 3 conductor, stranded, shielded, #22 AWG. with vinyl jacket. 0.175" O.D. For use with all Series 2100 systems.

with vinyl jacket. For use in power runs and signal runs less than 500'.

Power wire - 2 conductor twisted pair, stranded #18AWG. with vinyl jacket. 0.226" O.D. For power runs and signal runs between 500' and 2500'.

DORLEN PRODUCTS, INC. **FIVE YEAR** LIMITED WARRANTY AND TERMS AND CONDITIONS OF PRODUCT SALE

Limited Warranty

Dorlen Products, Inc. ("Seller") warrants its products to be free from defects in materials and workmanship under normal use and service for five (5) years from the date of original purchase. Seller agrees to repair or replace, at its option without charge to the original purchaser, any Dorlen Products that does not conform to this Limited Warranty. Seller shall not have any obligations under this Limited Warranty, or otherwise, if the Dorlen Product has been altered, or has been improperly installed, maintained or used, or has been repaired by persons other than Seller. Improper use or modifications of any Dorlen Product voids this warranty. 9 Volt alkaline and internal 12volt batteries and any other batteries are not covered by this warranty. DuraValves are not covered by this warranty. For warranty service, return your Dorlen Product, shipped pre-paid to Seller. Please include all company information and return address.

THIS IS SELLER'S SOLE WARRANTY. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, WHICH EXTEND BEYOND THIS LIMITED WARRANTY. IN NO EVENT WILL DORLEN PRODUCTS, INC. BE LIABLE TO PURCHASER OR ANYONE ELSE FOR CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, PROPERTY DAMAGES, WATER DAMAGES, LOSS OR DAMAGE OF ELECTRONIC DATA OR COMPUTER STORED MEDIA, LABOR OR REPAIR COSTS, LOST PROFITS, BUSINESS INTERRUPTION DAMAGES, COMPENSATORY DAMAGES, PUNITIVE DAMAGES, OR OTHER LOSSES OR DAMAGES OF ANY KIND OR DESCRIPTION RESULTING FROM PURCHASE, INSTALLATION, USE, OR FAILURE OF ANY DORLEN PRODUCT. THIS EXCLUSION OF ANY OTHER WARRANTY AND EXCLUSION OF LIABILITY FOR DAMAGES APPLIES TO ALL EVENTS AND OCCURRENCES, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY SELLER'S OWN NEGLIGENCE, FAULT OR BREACH OF PRODUCT WARRANTY.

PRODUCT PERFORMANCE: All Dorlen Products are carefully manufactured, inspected and tested prior to shipment by Seller and are expected to perform as warranted. However, Seller has no control over actual installation and use of Dorlen Products. Seller does not inspect the Purchaser's use, installation or maintenance of Dorlen Products. Seller does not warrant or represent that all products it sells will always perform exactly as expected and will never fail. Product purchaser understands that there are installations, events and circumstances where properly manufactured Dorlen Products may fail to detect potentially damaging environmental conditions, including water leakage or moisture, or may fail to provide an alarm, due to technical limitations of the customer's installation and product use which are beyond the control of Seller. The Seller does not provide insurance for Purchasers and does not guarantee that there will never be occasions under which the product user may sustain losses, water damage or injury following purchase, installation or use of a Dorlen Product. SELLER SHALL HAVE NO LIABILITY WHATSOEVER FOR PROPERTY DAM-AGES, INJURY OR LOSS BASED ON ANY CLAIM THAT DORLEN PRODUCT(S) FAILED TO GIVE WARNING OR ALARM. IN ANY CIRCUMSTANCES OR JURISDICTIONS WHERE SELLER MAY NONETHELESS BE HELD LIABLE FOR LOSSES OR DAMAGES ARISING OUT OF PURCHASE, USE OR INSTALLATION OF A DORLEN PRODUCT, IN THAT EVENT, SELLER'S MAXIMUM LIABILITY SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE OF THE DORLEN PRODUCT(S), OR \$500, WHICHEVER AMOUNT IS GREATER. THE PRODUCT(S) PURCHASER, AND ANY SUCCESSORS OR ASSIGNS INCLUDING INSURERS PAYING LOSSES OR DAMAGES, DO HEREBY RELEASE AND DISCHARGE DORLEN PRODUCTS, INC. AND SELLER FOR ANY AND ALL DAMAGES, LIABILITIES AND OBLIGA-TIONS IN EXCESS OF THIS STATED LIMITATION OF DAMAGES.

INDEMNIFICATION: Purchaser agrees to this Limited Warranty, and the exclusions of liability and limitations of damages stated herein and acknowledges that the price paid for Seller's product includes these Terms and Conditions of Product Sale. In the event that a lawsuit is filed or any claim is made against Dorlen Products, Inc. or its officers and employees demanding payment for damages, injuries, losses, or cost rising out of Purchaser's installation or use of a Dorlen Product, Purchaser agrees to fully indemnify, defend and hold harmless Seller upon such lawsuit or claim, including Seller's attorney fees and legal costs, regardless of whether the claimed damages are caused by Seller's own negligence or fault, or otherwise.

RETURN POLICY: All returns are subject to a 10% restocking fee. No returns after 60 days of shipment date.

PURCHASER'S ACCEPTANCE OF TERMS AND CONDITIONS: By ordering and using Sellers product(s), the Purchaser irrevocably accepts Seller's Limited Warranty and these Terms and Conditions, without modification. Any contrary, inconsistent, or competing Terms and Conditions stated in customer's Purchase Order and/or purchasing documents are expressly rejected and not accepted by Dorlen Products, Inc. By keeping your purchased Dorlen Product(s) for ten (10) days or longer after product delivery, the Purchaser acknowledges, agrees to, and fully accepts this Limited Warranty and all stated Terms and Conditions of product sale including the Product Performance and Indemnification provisions.

A SMALL SAMPLING OF ON ALGRET ISERS:

Alcan Ingot
American Rural Cellular Inc.
Boeing Commercial Airplane
Boise Cascade Corp.
Colts Plastics Co.
CXY Chemicals
Delphi Automotive Systems
Dynex Rivett Corp.
IBM Corp.
James River Power Station

Janssen Pharmaceutical
Johnson Controls
Long Island Lighting Co.
Los Alamos Nat. Lab
Maytag Herrin Laundry
Mercy Medical Ctr. Redding
Molders Choice Inc.
Moog Aircraft
Motorola
NSK Corp.

Plasma Physics Lab
Revlon Inc.
Siebe Environmental Controls
Squibb Manufacturing Inc.
St. Lukes Hospital
Tufts University
Valspar Corp.
Viacom International
Wells Aluminum Corp.
Westinghouse Electric Corp.

HOW TO ORDER

Orders may be placed by phone, fax or mail on your company order form. Please verify pricing if your price list is not of the current year.

TERMS-

Net 30 (Subject to credit approval) - FOB Milwaukee, WI. - Shipping prepaid and added to invoice. Orders normally shipped UPS ground. We also Accept CREDIT CARD orders!





NOTE: Instructions, Wiring Diagrams (if applicable) and Warranty included with all equipment shipped.



DORLEN Products Inc.

6615 W. Layton Ave. Milwaukee, WI. 53220 Ph. (414) 282-4840 Fax (414) 282-5670 Email: office@dorleninc.com

WWW.OIL-ALERT.COM



LEAK DETECTION SYSTEMS - SINCE 1975