

# Refrigeration Failure & Logging System

## Refrigeration Notification System



- **Freezer High/Low Notification**
- **A.C. Power Failure Notification**
- **FDA Logging**
- **Low Temp Alarm**

### Description of device and operation

**Rottweiler** Refrigeration Notification Systems provide off-site monitoring of multiple dry contact inputs, plus A.C. power loss, daily communication test, low battery and “restore to normal” conditions. A relay is included for interfacing to on-site equipment where a 5 amp dry contact can be used. LEDs display all power and input conditions.

The equipment is contained in a weatherproof fiberglass enclosure for outdoor or indoor mounting. There is a 1/2 inch conduit opening in the enclosure to permit wire entry. A 16V AC plug-in transformer to power the unit and 7AH, 12 volt rechargeable battery are supplied for backup power, providing continuous operation during power failures up to 48 hours. An internal temperature compensated power supply keeps the standby battery at optimum charge with rapid, current limited and voltage float charging. A low battery disconnect circuit removes the battery from the system on an extended power outage to avoid deep discharging of the battery.

All inputs are buffered through a one minute delay to “Alarm” and one minute delay to “Normal”. This eliminates the momentary signals generated by power fluctuations, rapid photocell operation and switchover transients. Each input can be selected for N.C. or N.O. input for “Normal” condition. Compression terminals are provided for all wiring. Any size wire, up to 12ga, may be used for the power and monitored device connections.

### Specifications

#### ELECTRICAL

**AC Input Voltage:**

16V AC @ 2 amp plug-in transformer (supplied)

**Maximum AC Load:**

40 watt maximum (20 watts nominal)

**Detection Loops:**

5 VDC buffered, selectable N.O. or N.C., 2 ma. with 1 minute delay

**Standby Power:**

12 Volt, 7AH rechargeable sealed lead-acid battery. (supplied)

**Low Battery Disconnect:**

Battery automatically is removed from circuit when below 9.5v. System will not power up after disconnect until AC power is applied.

**Remote Output Relay:**

Web controllable Relay. 5 amp S.P.S.T.

#### MECHANICAL

**Housing:**

Grey, weatherproof, lockable, NEMA, fiberglass enclosure with stainless steel hinges and hardware.

**Size:**

10.5” wide X 14.5” high X 6.25” deep.

**Weight :**

16 lb., including battery and transformer (Shipping wt: 18)

**Operating temperature:**

0 to 140 degrees F. (-17 to 50 degrees C.).

**Included Materials:**

Battery, Transformer, Installation manual, Warning decal, 15 feet of 4 conductor hookup cable.

#### GENERAL

**Status display:**

LEDs to indicate zone status and reporting status for each zone and AC power.

Full charge indicator. (Battery above 75%)

**Warranty:**

One year parts and labor. See separate warranty statement for complete details.

**Rottweiler Systems, Inc.**

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