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Your Alternative
To The Obvious

Model 375-30
Landfill/Transfer Station Monitor

Introduction

This simple and cost-effective landfill / transfer station monitor consists of two weatherproof, lead-shielded detectors coupled to the Ludlum Model 375 Controller. The adaptable, compact, networkable controller's digital design make setup, customization, and operation of the system easy.

The controller is typically mounted indoors near the operator to take advantage of its ability to supply local alarms, but it may also be connected to external alarms or networked into the Ethernet, (with optional accessories). A 48-hour battery backup ensures operation in event of loss of external power.

Part No: 48-2601

Specifications

DETECTORS: 2 ea. 7.6 x 2.5 cm (3 x 1 in.) shielded sodium iodide [Nal(Tl)] scintillation detectors in NEMA 4x weathertight enclosures

DISPLAY: 4-digit LED display with 2 cm (0.8 in.) characters

DISPLAY UNITS: kcpm

STATUS: (green light) instrument functioning properly

LOW ALARM: (yellow LOW ALARM light and slow bleep) can be set at any point from 0.0 to 9999

HIGH ALARM: (red HIGH ALARM light and fast beep) can be set at any point from 0.0 to 9999

LOW BAT: (yellow light) indicates less than 2 hours of battery power remaining

OVERLOAD: senses detector saturation (indicated by display reading "-OL-")

OVERRANGE: the radiation field being measured has exceeded counting range of instrument (indicated by display reading "- - - -")

AUDIO OUTPUT: intensity is user-adjustable, DET FAIL indicated by audible tone greater than 68 dB at 0.6 m (2ft)

REMOTE (optional): allows for connection of red strobe for remote indication of an alarm

POWER: 95 to 135 Vac (178 to 240 Vac available), 50 to 60 Hz, 6-volt sealed lead-acid rechargeable battery (built-in)

BATTERY LIFE: typically 48 hours in non-alarm condition, 12 hours in alarm condition

BATTERY CHARGER: battery is continuously trickle-charged when instrument is connected to line power and turned on

CONSTRUCTION: aluminium housing with ivory powder coat

TEMPERATURE RANGE: -20 to 50 °C (-4 to 122 °F)

SIZE: electronics: 18.7 x 24.6 x 6.4 cm (7.4 x 9.7 x 2.5 in.) (H x W x L)

          detectors: 33 x 43.2 x 21.6 cm (13 x 17 x 8.5 in.) (H x W x L)

WEIGHT: electronics: 2.3 kg (6.5 lb)

          detectors 14.5 kg (32 lb each)