

# Wireless Radiation Warning System



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# Wireless Radiation Warning System

## Application

The NDT MainCal Wireless Radiation Alarm System is primarily designed for use as a portable warning system for 'open shop radiography'. This portable warning system will assist companies carrying out 'open shop radiography' with their compliance with the requirements of the Ionising Radiations Regulations 1999 (IRR99). This new system enables quick and effective radiation warnings at controlled area barriers restricting access to areas where radiography is being carried out.

## Features

All units are built with high quality components including high power LED's for extended life expectancy and integrated rechargeable NiMH battery pack for 16 hours plus operation time.

The Wireless Alarm System provides:

- Standby Indicator (*Amber or Green flashing beacon*)
- Semi-automatic pre exposure indicator (*Siren*)
- Radiation present indication (*Red flashing beacon*)
- Radio control signals to each slave beacon unit(s)

## Specification

**Power supply:** rechargeable 6V 6Ah NiMH battery pack for over 16 hours continuous operation time.

**Radio link** between the radiation alarm and slave beacon(s) is achieved with a license free FM 433.92MHz output 5dBm digitally encoded signal.

**Radiation alarm** (Variable trigger level 1-50 $\mu$ Sv/h factory set @ 10 $\mu$ Sv/h) can control an unlimited number of beacons without line of sight at a range of approximately 250 meters.

**LED Beacon** life span in order of 100,000 hours continuous use (11 years)

**Multi-tone siren** (output SPL 100dB -2dB@1m) operated by pre exposure indicator.

**Dimensions:** 265mm long X 135mm deep X 235mm high (including handle)

## Bespoke

Wireless systems can be supplied to customer specification where applicable.

For more information or a demonstration please contact NDT MainCal sales on **01663 735283** or email [sales@maincal.com](mailto:sales@maincal.com) or [Admin@maincal.com](mailto:Admin@maincal.com)