



7930 - OPERATING INSTRUCTIONS

Introduction

The unit is built around a high sensitivity inertia sensor, coupled to a UHF radio transmitter.

When a shock or acceleration above a pre-set limit is detected the transmitter signals back to a remote radio receiver reporting the identification of the particular sensor. Up to 256 individual sensors can be identified. In addition a text message can be displayed identifying the exact location. The units are primarily designed for the protection of paintings and valuables in display cases.

The 7930 transmitter is dispatched down powered to save battery life. The unit has an internal switch for power and sensitivity with **switch 1** on being for power on. The sensitivity is set for the particular application via the internal switches. In high sensitivity mode (**switches 2 & 3 on**), the unit will detect a very slight movement. At low sensitivity mode (**switches 2 & 3 off**) the unit will respond to a greater amount of movement.



Figure 1

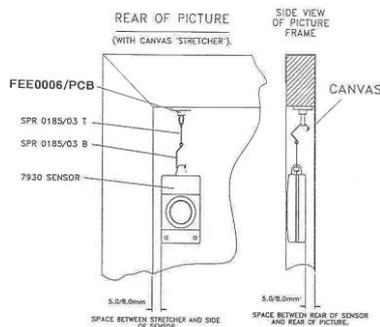


Figure 2

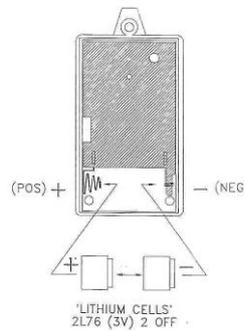
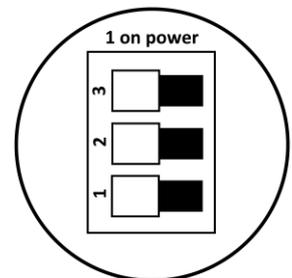


Figure 3



Switch 1 on = power
Switch 2 & 3 off = Low sensitivity
Switch 2 & 3 on = High sensitivity
Switch 2 off & 3 on = Medium high sensitivity
Switch 2 on & 3 off = Medium low sensitivity

Setting Up To Protect A Painting

The unit will respond to acceleration above a pre-set limit in the direction of A, B or C or any combination of the three (see figure 1). The best way to protect a conventionally mounted painting is to suspend the unit from the underside of the top horizontal stretcher, slightly away from the vertical stretcher (approx. 5-8mm, see figure 2). The use of the gold plated suspension springs allow the unit to freely rotate and allows a certain amount of protection from natural vibrations. When the picture is disturbed the unit bumps against the side or front and will trigger the inertia sensor.

In the event of a picture being painted on a solid background, two additional posts should be mounted as shown in figure 3. Install the IRIS receiver according to the instructions and put into test mode. Prefix all mountings and gold suspension springs. To power up the unit pull away the paper tag at the bottom of the unit, the batteries will now make contact and the unit is operational. Hang the unit in place and replace the painting. Give a few seconds to settle and the painting is protected.

Under normal usage the batteries should last 1 year and should be replaced on the annual maintenance. After replacing the batteries, it is recommended that the device is tested to ensure the batteries have been inserted correctly and the device has been returned to a fully operational condition.

It is recommended that the units are checked for operation at least once per week as a confidence check. Spiders webs are no real problem, but a large spider or large beetle may cause an alarm.



Third Party Accredited
ISO 9001 ■ ISO 13485 ■ ISO 14001

The information contained within this literature is correct at time of publishing. The EMS Security Group Ltd reserves the right to change any information regarding products as part of its continual development enhancing new technology and reliability. The EMS Group advises that any product literature issue numbers are checked with its head office prior to any formal specification being written.