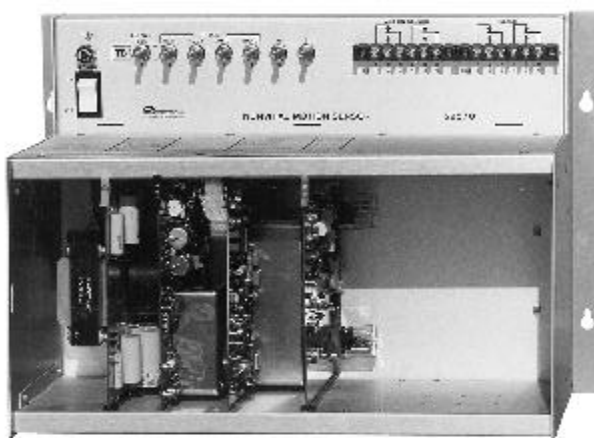


NONVITAL MOTION SENSOR

MODEL 62570



- **COMPLETE
COST-EFFECTIVE,
STAND-ALONE SYSTEM**
- **CONTROLS A WIDE
RANGE OF EXTERNAL
DEVICES**
- **BUILT-IN ISLAND CIRCUIT**
- **SIMPLIFIED INSTALLATION
AND SET-UP**

Safetran's Nonvital Motion Sensor is a cost-effective, stand-alone electronic control system designed to detect train motion in applications where fail-safety is **not** a critical concern. The Nonvital Motion Sensor can be used to control a variety of external devices such as hot box detectors, remote CCTV cameras, and similar equipment. Operation of the 570 Motion Sensor is the same as the 590 Motion Sensor, however the 570 Motion Sensor is nonvital. An internal low-frequency island circuit is also provided.

Surge-protection front panel AAR terminals, accommodate track and power connections. Two terminal strips provide the interface between the external equipment and the nonvital Motion Sensor via miniature relays. Each relay contains four sets of form C contacts which are wired as parallel pairs for maximum reliability.

The 570 can be wall, rack or shelf mounted. Adjustment requires only two potentiometer settings; one for the motion-sensing circuit and one for the island circuit. The setup LED indicator illuminates when the system is properly adjusted. All test points and indicators for track and motion sensor conditions are mounted on the outer edge of the modules for easy access.

The 570 case is designed to accommodate a maximum of four plug-in modules which include three basic system modules plus either of two optional modules. The basic system includes a transmitter, receiver, and motion processor. Optional modules include a 60 Hz notch filter and a high track drive coupler. The transmitter, receiver, and optional modules are identical to those used in the 590 Motion Sensor.

SPECIFICATIONS

Power:	12 VDC (Will operate between 9.5 and 15 volts.) Basic system 0.9 amp. Optional high track drive coupler 0.1 amp additional
Transmitter Output:	Low Current - 150 mA High Current - Up to 500 mA (maximum); varies with frequency
Frequencies Available:	86, 114, 156, 211, 285, 348, 430, 525, 645, and 790 Hz
Frequency Stability:	± 0.01 percent
Island Circuit Length:	300 feet (maximum)
Minimum Detectable Train Speed:	2 MPH or less, depending upon approach distance
Surge Protection:	Built-in surge protection for track and battery connections. Requires only primary arresters and equalizers.
Temperature Range:	-40 degrees F to +160 degrees F (-40 degrees C to +71 degrees C)
Dimensions:	14 inches (35.6 centimeters) high 20-1/2 inches (52 centimeters) wide 10-1/2 inches (26.7 centimeters) deep
Weight:	20 pounds (9 kilograms)

ORDERING INFORMATION

To order, specify description and part number

Description	Part Number
Nonvital Motion Sensor with Low-Frequency Island	62570MS-f

(Specify frequency - f)

REPLACEMENT PARTS

Description	Part Number
Motion Processor and Relay Drive Module	62572
Transmitter Module	62592
Receiver Module	62593-f

(Specify frequency - f)

ACCESSORIES

Description	Part Number
Wideband Shunt	8A076A
Dual Wideband Shunt	8A077A
Tunable Narrow-Band Shunt	8A275-f
Tuned Receiver Filter Assembly	62527-f
Tuned Insulated Joint Bypass Coupler	62531-f
60 Hz Notch Filter Module	62561-60
Extender Module	62586
High Track Drive Coupler Module	62591-f
Low Impedance Tuned Insulated Joint Bypass Coupler	62631-f
Bidirectional Simulation Coupler	62664-f
Bidirectional Simulation Coupler	62664-WB
Narrow-Band Shunt	62775-f

(Specify frequency - f)
