



SIVA SPY GUARD

PATROL GUARD MOVEMENT MONITORING SYSTEM



The Spy Guard System is a special product developed by Sivananda Electronics for the purpose of monitoring the movement and activity of patrolling guards, machine operators and technicians. It can be installed very easily and consists of maintenance free field installable key stations, long life battery powered clock units, a reader unit and a data acquisition and report generation software.

Typical applications

- Monitor the movement of patrolling guards,
- Keep a stationary guard alert by making him log to the key station at regular time intervals.
- Verify exactly what route and schedule an employee follows throughout the working shifts.
- Keep track of employees whose working duties require moving from place to place.
- Keep track of technicians in charge of remote inspection / Maintenance station.

Principle of operation

Several Key stations each with unique ID are installed on critical check points in the patrolling route. Each guard is issued with a clock unit. The guard is required to place the clock unit on the key station on each check point. The clock unit reads the ID of the key station and records it with a time and date stamp. Likewise the guard collects the ID of all the key stations on the route with his clock unit. The data in the clock unit can be downloaded to the PC using the reader unit which is an interface to the PC. The data acquisition software helps to verify whether the actual route / schedule is followed and generates the reports.

The data read by the clock unit can neither be altered nor be deleted by the user. The same clock unit can be shared by different guards with different time schedule which is programmable and recognised by the software.

Key stations can be installed on to critical machines and the maintenance technician can be given a clock unit. This helps to know at what time the technicians attended to each machine and how much time he took at each place.

The software offers very flexible, easily programmable options which make the Spy Guard a versatile system meeting varied requirements.

System components

Clock unit

The clock unit is a microprocessor based portable data collection terminal using a Radio Frequency Identification Technology (RFID).

Features

- Simple one touch operation. Pressing the scan button, activates the clock unit and makes it read the ID of key station and store it with a time and date stamp.
- In-built non volatile memory to store upto 2000 records
- Ultra low power consumption
- Long life battery power
- Contact less communication with the key station and reader unit to avoid wear and tear.
- Highly durable, high impact ABS moulded casing.
- Attractive Hip Pouch for the clock unit



Key station

The key station is a small polycarbonate moulded device that can be attached to wall surface , equipment etc.

Features

- Very durable, passive device with unlimited life cycle, suitable for use in harsh environments.
- No requirement of power as it draws its power from the RF energy generated from the clock unit
- Each key station can be given a factory programmed 4 digit (upto 2048) unique ID code.
- Collection of dust or moisture does not affect performance.



Reader unit

The reader unit is an interface between the clock unit and the PC. It collects the data from the clock unit and sends it to the PC through the serial port.

Data Acquisition Software.

WIN XX based.

- Menu driven and highly user friendly
- Programmable features for mapping guard route , entering clock unit issue and data on sharing of the clock units.
- Sets time and ID number of the clock unit
- Generates reports on guard route schedule , clock unit sharing, raw punches , late and early punches on guard wise as well as key station wise. The report can be sorted also on time and date-wise for single or all the clock units.

Clock Unit No.	Key Station No.	Date	Time
6	28	05/11/2000	10:39
6	39	05/11/2000	10:39
6	1	05/11/2000	10:39
6	7	05/11/2000	10:11
6	8	05/11/2000	10:13
6	36	05/11/2000	10:13
6	42	05/11/2000	10:13
6	34	05/11/2000	10:12
6	32	05/11/2000	10:12
6	36	05/11/2000	10:12
6	43	05/11/2000	10:12

Scope of supply

- 1) One reader unit with the software
- 2) Number of keystations & clock units as per the requirement of the customer.

Note:- To keep pace with latest technology SIVANANDA ELECTRONICS reserves the right to update the system, hence specifications are subject to change without any notice.



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