

G FORCE IMPACT MONITORS

G FORCE 1, 2 & 3 are solid state microprocessor controlled G FORCE Impact Monitoring systems.

These state-of-the-art devices allow programmability and the computational power required for:

- Programmable acceleration thresholds - from .3G to 11Gs.
- Can be programmed in milliseconds.
- Continuous measurements of acceleration using proprietary algorithms tuned to detect potentially damaging acts while ignoring low energy bumps and jolts of normal operation.
- Excessive impact activates an alarm (horn) and/or lift interrupt. Alarm condition remains engaged until cleared using a "Disarm Key." The remote key switch is a durable panel-mounted cylinder of urethane plastic embedded with two electrical contacts for programming and disarming. The remote key switch also has an LED lamp for visual verification that there is an impact monitor installed on the vehicle.
- "Program Keys" are also utilized to program or re-program the Impact Monitor should a change of G FORCE threshold be required.
- An Impact Sensor and G FORCE logics are installed in a convenient location inside the lift truck inaccessible to the operator.

G FORCE 1

Should the impact exceed the programmed threshold an alarm sounds and/or shuts down lift operation. It must be disarmed by someone in a supervisory position. The "Disarming Key" is an electronic chip mounted on a key chain with an encoded password which cannot be duplicated. The "Disarming Key" will shut off the alarm and/or reset the lift if an excessive impact event has occurred.

G FORCE 2

The G FORCE 2 operates in the same manner as G FORCE 1, however, in addition has time and date recording plus data storage capabilities. Should an operator exceed the G FORCE programmed threshold causing an "alarm", the "Disarming Key" on G FORCE 2 not only resets but

also records the time and date, equipment I.D. and operator I.D. Note: Through the operator key the G FORCE 2 restricts the use of lift trucks to only authorized and trained drivers. This ensures compliance to OSHA standards.

The G FORCE 2 disarming key downloads information through Model MVG00 Key Interface connected to a Windows-based PC and can provide the user with the following reports:

- Shift impact report by times, dates, operators and vehicles
- Impact report by vehicle I.D.
- Impact report by operators I.D.
- Vehicle authorization report
- Operator authorization report
- Maintenance report

G FORCE 3

The G FORCE 3 all the same functions and reporting capabilities of G FORCE 2. The G FORCE 3 has these additional functions:

- Operator time keeping of accumulated hours on forklifts
- Operator safety check login
- Vehicle time keeping of accumulated hours of actual usage
- Disarm key can be programmed with an expiry date

The G FORCE 3 produces the following additional reports:

- Impacts by Supervisor
- Logins by vehicle
- Logins by operator
- Accumulated hours by vehicle
- Accumulated hours by operator

