

■ Features

- Fully configurable pre-shift safety checklist on VMC display
- External voltage input for monitoring and reporting forklift battery voltage
- Works with EquipCommand™ software menus for setting impact thresholds, warning levels, and event-inducing levels
- Internal motion sensor for detecting impact and reporting actual impact data
- Configurable activity input for monitoring and reporting multiple operation parameters such as fluid pressure, motion, lift count, and timing
- Undefined digital inputs for reporting yes/no and change-of-state data for monitoring run time, hydraulics usage, and transmission function
- Undefined analog inputs for monitoring and reporting operation variables
- Horns and piezo alarms to provide audible warnings
- CAN-bus port for easy interfacing with equipment (dependent on forklift OEM)
- Vehicle access control via multiple user-defined interfaces (iButtons, barcode, and proximity cards)
- Lockout/tagout capability and inactivity logoff
- User-definable maintenance alert
- Full user menu with text messaging
- Remote updating and configuration of device settings, firmware, and iButton key configuration

■ EquipCommand™ Software

The easy-to-use EquipCommand™ software works with all ShockWatch Equipment Monitors, allowing access to the vital information you need to quickly and efficiently reduce costs and improve safety throughout your facility. Easily control every aspect of the system's configuration, including: what to monitor, who can access the information, and the process for receiving the data. Once the system is configured, select and customize reports and graphs that allow you to analyze the data for smart decision making. Adjust your operations where improvements are needed, and build on procedures that prove to be working well.

The software utilizes the MySQL database, but is fully compatible with most other databases. Program the software to send alerts and notifications via e-mail, text messaging, and/or phone.

Additional software features include:

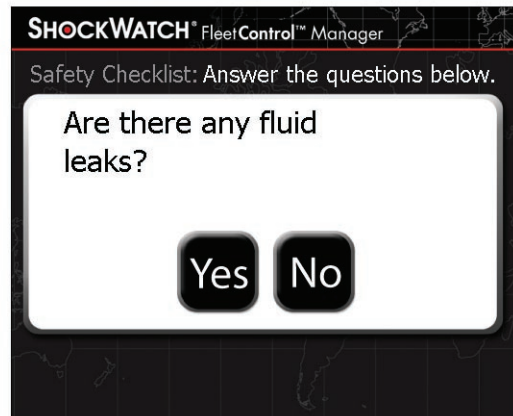
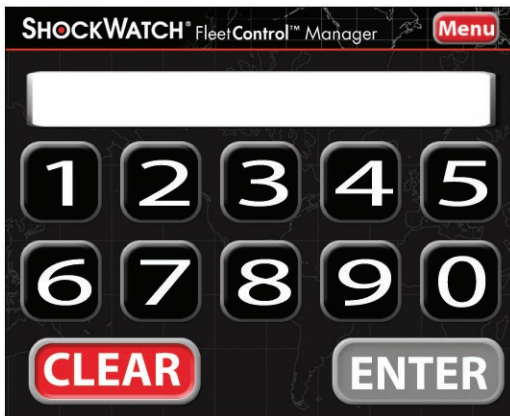
- Management access through local workstations, LAN/WAN networks, or export options
- Easy to install, use, and train
- Ability to remotely update unit settings and firmware
- Automatic data archiving and retrieval
- Database access through JDBC, SQL, and other clients

The screenshot shows the 'Alerts and Monitoring' section of the SHOCKWATCH software. At the top, there is a navigation bar with links for System Status, System Setup, Unit Setup, Event Setup, Alert Setup, Access Control, and Setup Wizards. Below this, the 'Alerts and Monitoring' title is displayed. A dropdown menu for 'Select Profile' is set to 'Basic Monitoring'. There are buttons for 'Create', 'Save', and 'Delete'. A checkbox for 'Show Event Monitoring Module on Dashboard' is present. Below this is a table with columns: Event, Reset Event/Opt, Alert Type, Alert Level, Warning Threshold, Format, Alert Targets, Display in Unit Status, and Action. The first row shows 'Impact - Alarm Level' with a value of 'Instant' and 'G-Force Safety Department IT'. There is an 'Add New' button at the bottom right.

The screenshot shows the 'Message Sender / Locate Unit' section of the SHOCKWATCH software. At the top, there is a navigation bar with links for System Status, System Setup, Unit Setup, Event Setup, Alert Setup, Access Control, and Setup Wizards. Below this, the 'Message Sender / Locate Unit' title is displayed. There are radio buttons for 'Message Mode' and 'Locator Mode'. An 'Enter Message:' field is followed by a 'Send Now' button. Below this is a list of units, with 'Reach 01' and 'Stacker 05' visible. To the right of the unit list are three groups of radio buttons for 'Acknowledgement', 'Sound Horn', and 'Sound Buzzer', each with 'Yes' and 'No' options. At the bottom, it says 'Locator results for:'.

■ User Interface

VMC Display:



The VMC display is used for a variety of functions including: assessing and starting the equipment, completing the safety checklist, accessing the maintenance menu, setting up inputs, and sending/receiving text messages.

Options:

Remote iButton



Proximity Card Reader



The remote iButton and proximity card reader allow access control while keeping the unit secure and tamper-proof. Access devices must be selected at time of order.

FLEETCONTROL™ MANAGER

Specifications

Operating Temperature

-4°F/-20°C to +140°F/+60°C

Operating Humidity

0 – 100% noncondensing

Impact Detection Range

User-adjustable threshold 0G to 10G

Output Alarm

Piezoelectric 98dB

Case Size

Main unit: 3.36" x 5.50" x 1.45"

Case Material

Main unit: PC/ABS

Case Rating

NEMA 4X

Power Source

Powered USB or powered com-port

Relay Output

Normally open contact fused @ 5 amps

Normally closed contact fused @ 10 amps

Data Storage Capacity

1,300 events (operator log on/off) (impact time/date)

1,000 authorized operators

VMC Hardware/SW Requirements

Free USB 1.0 or higher port or free power com-port

Windows® XP

70mg tier disk space on hard drive

Inputs

4 Digital: max voltage 64VDC

Modes: change of state, counter, timer, interrupt

High transition voltage \leq 7VDC

Low transition voltage \geq 2VDC

Minimum hysteresis: 0.8 V – battery

1 external voltage

3 Analog: max voltage 64VDC

Modes: high/low levels, change of state, counter, timer

Full scale approximately 64VDC

10-bit resolution

For more information on ShockWatch's position on RoHS, EU Directive 2002/95/EC, Amendment Commission Decision 2005/618/EC and our certificates of compliance, please visit www.shockwatch.com.

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