

KEYTRROLLER LCD-601

COLOR WIRELESS ACCESS-MONITORING SYSTEM (with impact / speed sensing)



Features:

KEYLESS KEYPAD IGNITION

Driver presses START to start vehicle, STOP to shut down. Capacitance keypad design for NO WEAR!

AUTOMATION OF DAILY CHECKLIST

First start of shift requires operator to complete electronic checklist – programmable by machine or type, pre + post start items.

CRITICAL ITEM SHUT DOWN

If an operator "FAILS" a critical (flagged) item in the checklist, device will require immediate supervisor interface.

ACCOUNTABILITY

Abusive operators will have impact and speed infractions recorded, also has shut down programming.

WIRELESS WIFI + CELLULAR OPTIONS

WiFi Standard - allows communication with wireless infrastructure for programming device and downloading event log data.

SPEEDOMETER

Vehicles with speed sensor inputs will be able to view speed from color LCD display - set speed limit, alarm and log abuse.

SEAT BELT USAGE

When enabled, device can monitor and ensure seat belt is buckled - programmable shut down.

TRAINING

Warns driver on LCD when retraining is due - alerts in software.

AUXILIARY INPUT MONITORING

5 auxiliary inputs for monitoring engine, seat, seat belt, overload, etc.

EXTERNAL ALARM

120db flashing siren alarm can sound after an impact or speeding through grace period.

"WORK" TIME EVALUATION

Monitors loaded/unloaded and moving/idle time in % on LCD display from beginning of shift.

"UTILIZATION" TIME EVALUATION

Monitors vehicle utilization % on LCD display from beginning of each shift via 2nd hour meter input.

LOCK OUT - FOR SERVICING

Supervisors and mechanics can lock out driver operators until machine is again ready for service.

TEXT MESSAGING

When wirelessly enabled, manager can text message individuals directly from host PC - driver makes simple reply.

EMAIL

Management can choose logged items to send to multiple email addresses (like: hour meters, failed items, impacts, etc.).

REPORTS + GRAPH GENERATION

All usage and driver events can be conveniently viewed using **INFORMATICS** - client server software reports section.

SMARTIE KEY-CP4 WIRELESS CAMERA OPTIONS

Provides video evidence of events leading up to and during an equipment accident - video can be sent wirelessly. Standard with GPS tracking, impact and speed sensing.

SMARTIE KEY-CP4 VIDEOS ARE EVENT GENERATED AND CONTINUOUS

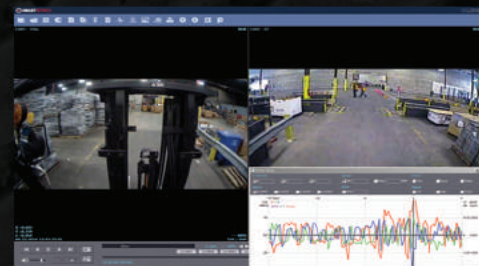
Optional web-based Sentinel software allows user to review continuous and event video remotely and to get "live look in" on any forklift.



The KEYTRROLLER LCD 602 model is available with the same keypad design and functionality as our LCD 601 but with a simpler relay sensor module that has only one auxiliary input (typically seat switch or seat belt) and no impact or speed sensing. The lower cost LCD 602 is commonly used on equipment like ground support, cranes and personnel carriers who do not need impact and speed sensing features.

SMARTIE KEY-CP4

WiFi or Cellular
128GB SD card with
viewing software included



Accountability For:

Reckless driving and damage (impacts)
Speeding over limit set
Daily pre-shift checklist completed
START/STOP times at shift and breaks
Abandonment of vehicles
Work time moving vs idling
Work time loaded vs unloaded
Utilization: % in use since shift began
Recurrent training
PM Maintenance completed

Embedded Wifi Encryption:

Open access (no security)
WEP64 - WEP128
WPA1 - PSK (TKIP)
WPA2 - PSK (AES)
WPA1/WPA2 (AES)*
Optional external radio covers all

Specifications:

Supply voltage: 12VDC (converter for 24, 36, 48, 80VDC)
Standby current: 350mA with radio on, 40mA when "asleep"
Temperature range: -40 - 167F (-40 - 85C)
Water immersion: IP -67 for weather extremes
Size: 165mm x 95mm x 57mm (6.5" x 3.75" x 2.25")
Approval: ISO9000--CE--RoHS
WiFi: Configurable encryption
Max relay contact current: 1A/12V
Endurance tested for:

- > High and low temp shock
- > Overvoltage reliability
- > High shock reliability
- > Vibration reliability
- > Condensation, salt spray reliability



UL approved and labeled for:
EE, GS, LPS and DS safety rated forklifts



**Underwriters
Laboratories Inc.®**

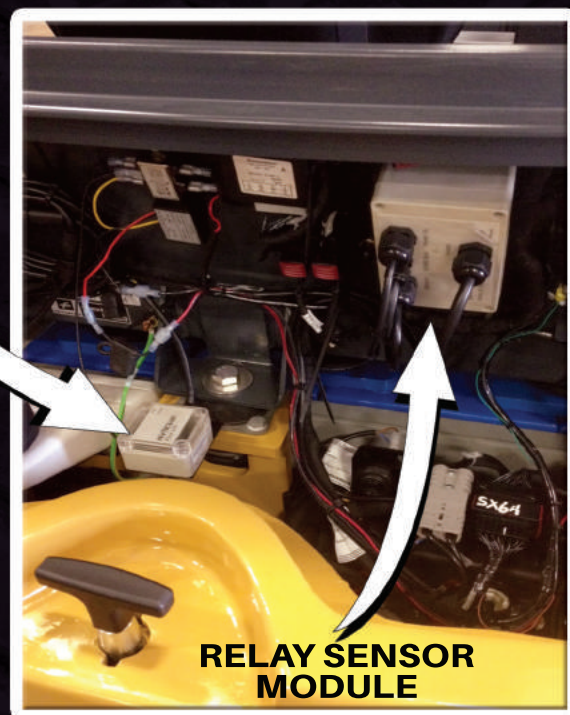
An I.D. Systems® Company

KEYTROLLER
CREATING A CULTURE OF SAFETY

ELECTRONIC SAFETY DEVICES FOR FORKLIFTS AND HEAVY EQUIPMENT



**SHOCK
MODULE**



**RELAY SENSOR
MODULE**

All kits include:

- 1) Outdoor sealed capacitance keypad
- 1) Color LCD display
- 1) RFID card reader (specify type)
- 1) Relay sensor module with 5 auxiliary inputs
- 1) WiFi radio with encryption setup

Optional:

- Impact sensing module
- Gear tooth or magnetic speed sensor
- Adjustable mounting bracket
- Voltage converter for 24, 36, 48, 80VDC
- Hyd sensor for loaded/vs unloaded, overload
- External flashing 120 dB siren alarm
- SMARTIE wireless DVR camera systems

Distributed by:

FORKLIFT TRAINING SYSTEMS
(614) 583-5749
info@forklifttrainingsystem.com
www.forklifttrainingsystems.com

INFOMATICS Software

FEATURE

Cloud based
Multiple web based clients
Local Installer
Data hosted by KEYTROLLER (optional)
Granularity
Multiple training expiry dates
Speed of communication
Trends (impacts, speeding etc...)
Reports by departments
View video events (phase 2)
Centralized database for different plants
Vehicles from various time zones
Password protection
Scheduled emails by department

INFOMATICS

✓ No client installation of software
✓ Multiple plants access same software
✓ Can also be installed on local server
✓ KEYTROLLER hosts DB on cloud (monthly \$ subscription cost per forklift)
✓ Programmable user level access to settings, reports, graphs, data , etc.
✓ Same driver, different machine expiry dates
✓ (50% faster than FMS)
✓ Year to date + trailing 12 month graphs
✓ Users can look at reports by their department
✓ SMARTIE KEY-CPT video of impacts, speeding, etc.
✓ Multiple time zones, multiple plants in same DB
✓ Data is located in centralized location -- limited access to specific individuals
✓ Schedule PDF reports emailed by department

INFOMATICS SOFTWARE

(3rd Generation Fleet Management Software)

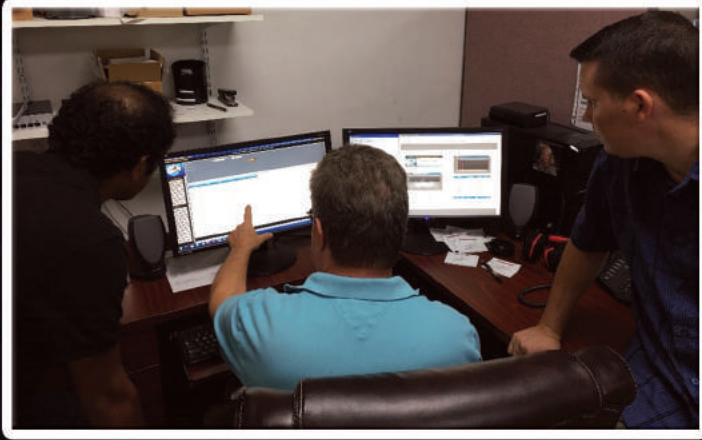
1. Local client hosted for single plant. (Purchase INFOMATICS Software)
 - a. Installed on the server and multiple clients in the same location will be able to access the software.
 - b. Data is hosted locally by the company itself.
2. CLOUD hosted for multiple plants (client purchases INFOMATICS Software)
 - a. INFOMATICS can be installed on server.
 - b. Multiple clients from multiple locations will be able to access the software.
 - c. Data is hosted locally by the company itself.
3. KEYTROLLER hosts software and DB in CLOUD (Subscription \$/mo per forklift)
 - a. Client does not purchase INFOMATICS Software.
 - b. Multiple plants can access the software.

*INFOMATICS has granularity (permission based) security for every plant and every user.



HEYTRAILLER'S proven technology and reliability!

Most importantly - you also get our team!



All the forklift data in the world will do nothing if your new access monitoring system is not:

- Supported properly
- If you're not trained properly
- If it operates unreliably

There will be ISSUES:

IT Issues, WiFi configuration Issues, training Issues, software Issues, firmware Issues, Implementation issues, support Issues. You had better be dealing with guys who have been there, done that - many times!

When you partner with HEYTRAILLER, you get time tested and proven hardware and unmatched knowledge and experience - FROM THE GUYS THAT DESIGNED IT! NOT A RESELLER! NOT AN OEM! NOT A DEALER! Designing and producing access monitoring equipment since 1998 - over twice as long as ANY OEM forklift manufacturer system available today!

Why deal with a NON-FORKLIFT OEM producer of access monitoring like HEYTRAILLER?

- 1) We won't tie you into a particular OEM brand of forklift. HEYTRAILLER has been doing this for nearly 20 years and virtually every brand of forklift has had HEYTRAILLER units installed on them. You want to get "locked" into one brand of forklift? HEYTRAILLERs have always been designed to fit to ANY make or model forklift (IC or EL).
- 2) You are dealing DIRECTLY with the designer, not a reseller or trainee.
- 3) NO wireless charges, WiFi is standard - your network or our stand alone HEYTMESH WiFi network.
- 4) HEYTRAILLER does NOT tie into CANBUS, only hi/lo inputs. So the device has absolutely NO effect on the forklift or on-board computer - we only start the vehicle with a relay instead of a key switch. We have not had one single warranty claim regarding damage done to a forklift - EVER.
- 5) OEMs frequently "hide" their monthly data and wireless costs in the price of a lease - when lease is up - you keep paying for the hidden wireless costs. We don't! When you purchase HEYTRAILLER devices, there are NEVER hidden costs and you are paid up front in full.
- 6) Does the OEM device have a menu enabling you to "see" all of the internal settings of a particular forklift? We do!
- 7) Can the OEM device provide DVR wireless video camera options tied into the access device? We do!
- 8) Can the OEM device program checklists with Latin-based languages? Put your logo on it? We do!

HEYTRAILLER: Access Monitoring Experts

MAINTAIN your purchasing flexibility!


FORKLIFT TRAINING SYSTEMS
Phone: (614) 583-5749
Email: info@forklifttrainingsystem.com
Website: www.forklifttrainingsystems.com