

KEYTROLLER

PROGRAMMABLE KEYLESS IGNITION SYSTEMS



- *If your company...*
Could reduce your forklift damage by over 50%.
Would your **Production Manager** be interested?
- *If your company...*
Could insure that only trained and authorized operators could start your equipment.
Would your **safety engineer** be interested?
- *If your company...*
Could comply with the new OSHA training regulations.
Would your **training manager** be interested?
- *If your company...*
Wouldn't have any lost or broken keys again.
Would your **warehouse manager** be interested?
- *If your company...*
Had data on equipment use and operator productivity.
Would your **shipping supervisor** be interested?
- *If your company...*
Had a record of shock/damage abuse and speeding on each lift.
Would your **personnel manager** be interested?
- *If your company...*
Could schedule preventative maintenance.
Would your **maintenance manager** be interested?
- **If this device could justify itself in only a few months.**
Would your **accountant** be interested?



Components of the **KEYTROLLER 104**



HEYENABLER MODEL 700



KEYTROLLER LCD Model 501



KEYTROLLER MODEL 104

SERVICE – MAINTENANCE ADVANTAGES

- Insures maintenance is performed, by date or hour meter reading
If maintenance is NOT performed after programmed grace period, vehicle will shut down
- Optional oil pressure and temperature sensors monitor engine
Programmable to shut down engine if sensors sense adverse conditions

OPERATOR'S CHECKLIST

- Automates and records operator checklist required by OSHA at start of each shift

Checklist items and shift starts are programmed into PC software and uploaded into device. LCD Model 501 version shows checklist item on LCD screen. At first start after shift begins, Model 104 has operator evaluate all checklist items; he then presses PASS or FAIL. If all items PASS, then event is recorded into memory. If an item FAILS, then operator must press FAIL twice and vehicle is shut down requiring a Supervisor or Mechanic's code to clear problem and restart.



Indestructible non-tactile aluminum "key" switch option

No moving parts, impervious to water or oil – lifetime guarantee.



SPEED SENSING OPTIONS



Transmission gear tooth sensor



Magnetic sensor mounted in wheel well



Powerful "eraser" magnet imbedded in tire

EASY TO USE!

- Operator needs only to know his 4-digit code, and then press **START** to start vehicle and **STOP** to stop it.

Codes can be inputted from keypad or from PC or CYBERKEY.



CYBERKEY

Quick data transfer system for HEYTROLLER devices

What it does:

Uploads and downloads settings, codes and event data between HEYTROLLER to host PC

How it works:

One CYBERBOX is connected to HEYTROLLER'S RS232 serial port and a CYBERKEY is plugged in – green LED flashes as events download and goes solid green when finished (about 1 minute). Many HEYTROLLER can be downloaded into a CYBERKEY (up to 16000 events). The CYBERKEY is then connected into another CYBERBOX connected to host PC for data transfer into KEYSOFT program and "cleaning" the CYBERKEY for new downloadings. Uploading of codes and settings can also be done with the CYBERKEY option.



DOWNLOADING & UPLOADING

- Can be done from laptop or PC or optional CYBERKEY device
 - Clone feature allows easy programming of settings and codes
 - 104 device has 2040 events storage capacity, LCD model has thousands
 - Codes can also be programmed in from keypad
 - Optional 30' cord connects warehouse PC to vehicle

OPERATIONAL ADVANTAGES:

- **No More Keys!!**
Start, stop vehicle right from keypad
- **Works on electric or combustion powered vehicles**
Easy to install, wires into key switch
- **More productive**
Never loose, forget or break keys again
- **No more abandoned equipment**
Know who starts/stops vehicle
- **Programmable automatic disable time**
*Allows operator to leave seat and return with **HEYTROLLER** still enabled*
- **Device can NOT be circumvented**
*Shuts down vehicle if **HEYTROLLER** relay or shock abuse module is disconnected*
- **Engine powered vehicles can reduce fuel usage up to 25%**
Seat switch option shuts down idling engine automatically

SAFETY ADVANTAGES:

- **No more untrained operators driving equipment**
No training, no code, no start!!
- **Programmer, supervisor or mechanic's codes can "red flag" vehicle from further usage**
Keeps common operators from driving vehicle until maintenance is completed
- **Reduce damage to rack, product and equipment**
Shock abuse sensor sounds and records event after damaging impact
- **Reduce speeding vehicles**
Speed sensor option warns operator he is speeding, sounds alarm and records event
- **Eliminate speeding vehicle**
Speed sensor option with fuel control, controls speed automatically

TRAINING ADVANTAGES:

- **Helps comply with new OSHA training regulations**
"ONLY trained and authorized operators are permitted to operate powered industrial trucks
- **Operator training due date**
Codes can be programmed to expire when his recurrent training is due



External alarm can sound after damaging impact. And vehicle can be programmed to shut down.

No training – No code – No Start!

SHOCK ABUSE MONITORING

- **Make careless operators accountable for abuse**
*Shock abuse monitor records operator, vehicle, time, date, **intensity** and **direction** of impact*
- **Optional external flashing or siren/alarm can sound after impact event**
Requires Programmer or Supervisor code to disable sounding alarm
- **Vehicle can shut down after an impact or speed event**
Programmed in seconds, allows supervisor opportunity to view damage
- **Shock sensitivity set in .1 gradient and event duration in 2 axis**
Allows for more accurate threshold setting and less false alarms
- **Optional speed sensor makes operators accountable for high end speeding**
"Grace period" gives operator time to reduce speed, if not external alarm sounds
- **Optional fuel solenoid control automatically controls vehicle speed**
Insures vehicles maintain safe top speed

Make reckless operators accountable for damage!



Shock/speed/
memory module



KEYSOFT PC SOFTWARE

- Connected to PC, laptop or Cyberkey option. *Programs settings and downloads, filters and graphs event data. Easier to program than a VCR!!*

Databases Page



Gains access to User, vehicle, event logs and graphing.

Operator's Checklist Page



Program's time of start of each shift, number of checks, allowable checklist time.

Front Communication Page



Communicate with PC, events to be downloaded, service date due, synchronize with PC, hour meter reading, hour meter/ service due.

Programmer Page



Enables seat switch and automatic disable time, enables maintenance scheduling and disable by date or hour meter reading, enables disable ignition if shock sensor is disconnected, enables oil/temp sensor.

Motion Page



Set shock level in 2 axis, set speed limit and grace period, enable logging and alarms, disable ignition after speed or shock event in seconds.

Cyberkey Memory Key Page



Programs key for uploading settings into device, downloads events from key taken from KEYSOFT devices

PROVEN DESIGN

- Thousands in use worldwide on wide variety make and model vehicles
- Reliably in use in harsh conditions like freezers, dry storage, and outdoor applications
- UL—RU component rated for E and EE rated industrial truck environments
- Winner — Gold award PLANT ENGINEERING MAGAZINE'S "Product of the Year"— TWICE



OTHER KEYSOFT ELECTRONIC SAFETY DEVICES

- **KEYENABLER** – inexpensive wireless and wired relay versions, enable keyswitch
- **SPEEDTROLLER** – Digital speedometer with warning and/or **speed control**
- **WEIGHTROLLER** – Digital hydraulic weigh scale with 6 channels
- **KEYTROLLER LCD Model 501 WITH SCREEN AND RFID CARD ENABLING**



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