

# KEYTROLLER 105

## Keypad Keyless Access + Monitoring System



### Features:

- Start + Stop engine directly from keypad - NO KEYS!
- Code only model or code/RFID reader models (specify 125khz or HID-Prox) to enable device.
- Electronic metal piezo keypad (above right) - NO moving parts - high reliability for toughest applications.
- Easily installed on any make, model or capacity gas, LPG, diesel or electric machine.
- 2 auxiliary inputs from: Seat switch, seat belt, low oil, high temp or overload sensor - auto shut down.
- Mechanic's lock out: Locks out operators until repairs are completed.
- Maintenance due WARNING LED blinks when due - goes solid when grace period expires - locked out.
- Seat/foot switch connection automatically logs off operator - and shuts down idling machine.
- Impact + speed sensing make abusive operators accountable for dangerous driving.
- Wi-Fi, Zigbee, + Bluetooth radios available to speed programming + download of event log files.

### Models:

#### KEY-105B-SM

- Code only model.
- Membrane keypad, dual relay module, shock/memory module with RS232 serial port with time, date, operator, vehicle, event time stamp. Programming+ downloading through serial port using PC software.
- Impact abuse sensor standard.
- Speed sensor, flashing siren alarm and wireless radios available.

#### KEY-105S-SM

- Same as above, but includes standard RFID reader inside keypad (above left).

#### KEY-105H-SM

- Same as above, but includes HID Prox type RFID reader inside keypad (above left).

#### KEY-105B

- Kit includes: Membrane keypad, dual relay module - upgradeable to advanced features.
- All programming done using programmer's code, NO logging.

#### KEY-M

- Outdoor metal piezo keypad option for any model - indestructible for very abusive applications (above right).

### Benefits:

- No more lost, stolen or forgotten keys: START- STOP ignition directly from the keypad!
- Keeps untrained and unauthorized operators from starting your equipment.
- Insures maintenance is done in a timely manner-mechanic accountability to reset LED light.
- Vehicles under repair or you do not want used can easily be immobilized (locked out) and then re-enabled.
- Higher level of security - each operator uses their personal company RFID card to start equipment.
- Logging "SM" model provides event log data on usage by the vehicle and operator.
- PASS-FAIL for all checklist items - electronic log that manual checklist was completed.

### Applications:

Installed on any gas, LPG, diesel or electric machine forklifts, construction equipment, cart carriers, generators.



## How it works:

- Driver inputs code or flashes RFID card over device.
- Keypad lights GREEN - ENABLED if accepted.
- Driver presses START button to start vehicle.
- Driver presses STOP button to stop vehicle.
- Device times out in 1 minute after STOP is pressed or after operator leave his/her seat (adjustable).
- SM model logs all events with time/date/operator/event stamp.



## Easy installation:

1. Connect dual relay module to ignition switch (2 wires on electric, 3 on internal combustion).
2. Connect dual relay module to vehicle power (12VDC standard - add voltage converter for electrics).
3. Install the KEYTROLLER keypad in a position conveniently close to operator on the dashboard.
4. You can program in (up to 1000) cards using programmer's RFID card from keypad (KEY-105B).
5. With logging model KEY105B-SM, program in/out codes + cards using PC software - also card expiration dates.
6. Review event log info in graphs, reports and emails.

## Kit includes:

- 1) Membrane switch keypad
- 1) Dual wired relay
- 1) Shock/memory module with logging + impact sensing, speed sensing, code expiration, RS232 serial auxiliary connection (low oil, temp, seat, etc.)

## Optional:

- Voltage converter for 36--48VDC Cyberkey data key (for program+ downloading) Cyberwire WiFi and Zigbee radio options
- Bluetooth short range radios---"semi-manual wireless" STD or HID RFID reader
- Outdoor metal piezo keypad for heavy use applications

## Specifications:

**Supply voltage:** 12VDC (converter for 24-36-48VDC)

**Stand by current:** <60mA

**Temp range:** -40 -185F (-40-85C)

**Water immersion:** IP -65

**Size:** SBWM 173mmX90mmX39mm (6.8" X 3.5" X .5")

SBW 89mmX75mmX20mm (3.5" X 3" X .75")

**Metal keypad approval:** ISO9000--CE--RoHS

**Wireless relay option:** 12 or 24VDC (must specify)

**Max relay contact current:** peak 30A

**Tested for:** High + Low temp shock and reliability

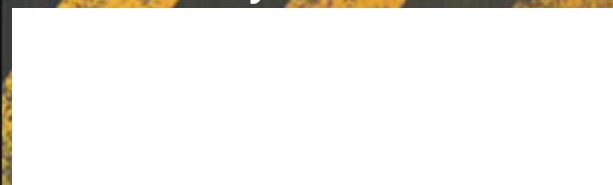
Over voltage reliability

High shock reliability

Vibration reliability Condensation, salt spray reliability



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