

PayPoint KD812 Taximeter



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About Muon Electronics

- Muon Electronics is the leading manufacturer of taximeters in South Africa, established in 1996
- Active participant in development of SABS taximeter standards
- Have an installed base of around 5000 PayPoint taximeters in Sub-Saharan Africa

About PayPoint taximeters

- Designed to meet South African requirements
- Simple, rugged design
- Easy to install and operate
- Field proven reliability – less than 10 faulty units per year (i.e. $< 0.2\%$ failure rate)

KD812 Taximeter

- The KD812 is a newly released model, offering all the features of KD712 with the following enhancements:
 - Firmware stored in flash memory, allowing upgrades as new features become available
 - Interface to allow connection to a receipt printer (future software option)
 - Extra digit to display selected Tariff while fare is running
 - Compliance with SANS 467-2005 Standard for Electronic Taximeters.
 - Option for certain time/distance to be included in Flagfall, after which fare starts to count up

Programmable

- Up to 4 programmable Fares
 - Flagfall, rate per km, rate per minute, extras and included rate/time programmable for each fare
 - Programmable minimum increment to set the steps at which the fare counts up
- Programmable gearbox factor to adapt to different cars.
 - Interfaces directly to cars with electronic speedometer
 - Requires additional sensor for cars with mechanical speedometer

Security

- 3 levels of PIN protected security
 - Installer's PIN – prevents un-authorized modification of fare settings and gearbox factor
 - Owner's PIN – prevents un-authorized clearing of Shift Totals
 - Driver's PIN – prevents un-authorized use of the taximeter, e.g. if the meter is stolen
- Meter can be sealed to prevent tampering
- Meter can be easily removed from vehicle to prevent theft

Totals

- The KD812 stores running totals, both on a Shift and Accumulative basis
 - Number of trips
 - Total paid km
 - Total unpaid km
 - Total fares
 - Total extras charged
- Shift totals are security protected and can be used by an owner to track a driver's shift
- Maximum stored/displayed values up to 999,999



Running a Fare

EXTRAS – three digits for extra charges, eg. for airport pickup. Max value: 25.5

FARE – five digits for running fare. Counts up based on distance/time travelled. Extras added when fare ended. Max value: 9999.9

RATE – indicates which Tariff is being used



Button used to add Extras

Fare is stopped

Button used to return to "For Hire"

Button used to clear Extras

Fare is counting based on time

Button used to return to end fare

Future-proof

- Program stored in flash memory
 - firmware can be updated as more features and functions become available
 - Customer specific tariffs and special functions can be supported

Printer Interface

- The KD812 has an interface to facilitate connection to a receipt printer
- Printer not supported in current software release – requires firmware update
- Will be possible to print both customer receipts and summary of totals

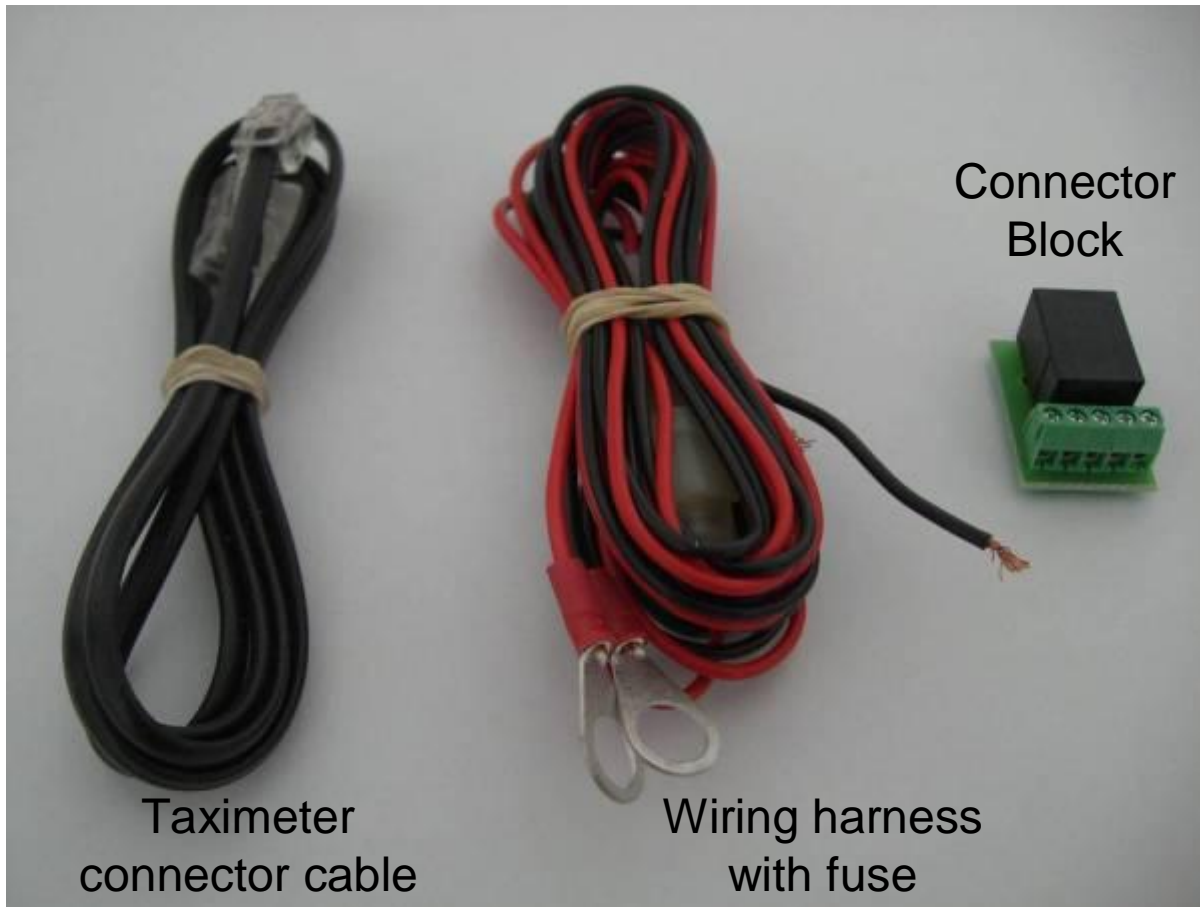


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Specifications

- Size: 182 x 50 x 18mm (W x H x D)
- Supply Voltage: 10V to 16V
- No damage range: -30V to +25V
- Max supply current: 250mA
- Temperature range: 0 to 65C
- Number of digits: Fare 5, Extras 3, Rate 1
- Digit height: Fare / Extras 13.2mm, Rate 8mm
- Weight: 250g

Included Accessories



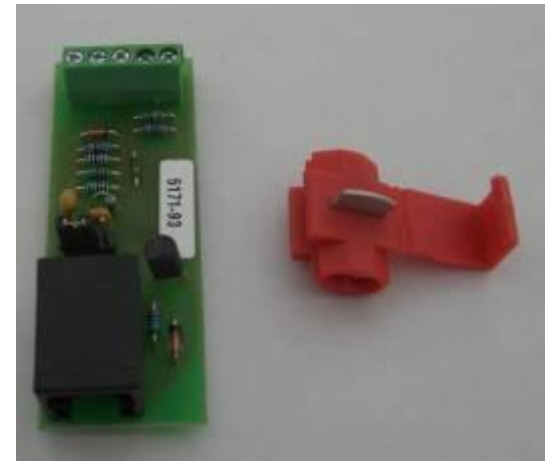
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Optional Accessories

Sensor – to suit most cars with mechanical speedometers



Mounting bracket – when fixed/sealable installation is required



Amplifier/divider – sometimes required for sensitive electronic speedometers