

THE KEY IS AS GOOD AS GOLD



Four Square

Four Square, a division of Mars Great Britain, has been one of Europe's largest providers of soft drink and snack vending machines since 1955. Located in England, they produce in excess of 2.7 million drinks per day. A global player in the drink vending industry, their brands contain a whole range of tea, coffee and hot chocolate beverages.

Vending Made Easy

Four Square's ultimate goal was to increase the marketability and sales of their products so they began an initiative to incorporate cashless vending into their KLIX brand vending machines. This would:

- ✓ Provide customers a quick and easy cashless way to buy drinks & snacks
- ✓ Increase customer loyalty
- ✓ Reduce theft and time spent collecting, counting and re-stocking coins
- ✓ Provide a distinctive sales appeal for their machines
- ✓ Provide the cash-flow benefits of pre-paid purchases

In order for Four Square's idea to be a success, they needed a serial memory device that would be:

- ✓ Rugged enough to withstand the wear and tear of everyday use
- ✓ Easy to use to keep sales on the rise
- ✓ Fully-engineered to reduce R&D costs and time-to-market
- ✓ Available long-term as retrofits could severely damage profit margins

The Solution is Key



Datakey Electronics had the perfect solution for Four Square's KLIX project—the LCK1000 Key, which Four Square later trademarked as their KLIXKEY®. These Keys are ultra-rugged and contain a non-volatile EEPROM memory that can be written to, read and erased via the Microwire interface with the host hardware.



Fully-Engineered

The mating KC4210 Keyceptacle® is installed in every KLIX machine to make it easy for customers to upgrade to a cashless system. It provides the physical and electrical connection between the Key and the machine. The LOFO switch ensures that the Key has made secure contact with the access Receptacle before any transactions take place.



Four Square



Every KLIX vending machine includes a Datakey Electronics KC4210 Keyceptacle® to facilitate cashless vending.

Change Comes & Goes

Customers need only one Key to operate multiple vending machines. They insert their Key into a machine that loads the amount of money deposited onto the Key as electronic credit. Purchases are made at the KLIX vending machine by inserting their Key into the Keyceptacle®. The purchase amount is subtracted from the credit balance as the vending product is dispensed. An LED display indicates the amount of credit on the Key.

They Chose Datakey Electronics

Four Square chose Datakey Electronics as their serial memory device partner because of their ability to provide a rugged product that could withstand the day-to-day use at KLIX vending machines. The familiar form of the Keys helps to increase users' comfort level, shortening any user adjustment period. Datakey Electronics' 30 years of experience in serial memory devices and their fully-engineered solutions decreased Four Square's R&D costs and time-to-market. Additionally, the long-term availability of the KLIXKEY has eliminated the need to do costly redesigns due to electronics obsolescence. Datakey Electronics was able to provide the convenience Four Square customers deserve, the competitive advantage and recognition Four Square was looking for, and the revenue advantages of a cashless system Four Square wanted.



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