

## Application Story

# ADVANCED DOOR LOCKING SYSTEM USES NEW MICRO CLUTCH TECHNOLOGY

**M**odern door locking systems no longer require a key because opening and closing take place electronically.

Motorized door locking technology is combined with intelligent control technology to guarantee maximum convenience and security. There are many interface options for opening doors: access with a numeric code, fingerprint, scanners, and transponders are preferred options. Recent technology has made it possible to lock or unlock a door with your Smart Phone. Your phone is the only key you need and you can lock or unlock your door from any place in the world!

Access Technology, a Danish company that specializes in advanced door locking systems, has chosen Ogura's MIC-T micro clutch as a part of their motorized door locking system. The Ogura micro clutch is able to engage and disengage the motor drive to allow either manual or motorized activation. The new motorized lock can augment an existing standard key lock system.

This system is being used successfully by Danish homecare companies.

The new motor lock is installed in private homes of care-dependent people. This helps the caregivers by providing convenient and safe access to the outpatient care homes at any time, especially in case of a medical emergency.



*Clutch Gearbox and Motor*

In the manual mode, the clutch is disengaged, so a user can simply turn the knob to lock or unlock the door. In the automatic mode, a motor drives a small reducer going into the clutch, and in turn, the clutch drives the gearhead to either a locked or unlocked condition.



*MIC Micro Clutches*

Access Technology chose the Ogura MIC-T clutch because of its small size, low cost and light weight.

Other customers using the Ogura MIC-T clutches are also enjoying the benefits of smaller size, lower cost and lighter weight. In some cases, the costs are almost half of previous micro clutches. This is very important for manufacturers producing copy machines, printers, scanners, cash dispensers, ticket machines and other peripheral devices. The clutches have achieved the cost and weight reduction by changing basic clutch construction by utilizing a design comprised entirely of plastic and powder metal. Clutches are supplied with standard 24VDC coils, lead wire, and terminal. The new clutches are available with either a customer specified gear or a dog hub output which allows customers to purchase one clutch and then incorporate a number of different gears for their various needs.

Ogura is proud to be a part of Access Technology's new door locking system. Our reputation for high quality electric clutches made us the supplier of choice where reliability and dependability are not options but expectations. ●

<http://acct.dk/care-access-video.htm?tId=213>