

Micro TouchKey is a low cost, easy to install, simple to use, stand alone access control solution for controlling one or many doors. Micro TouchKey consists of Windows software with one or more reader heads and ultra-compact controllers each with its own list of valid key holders.

Micro TouchKey uses Dallas iButtons as access tokens and to transfer data from the Windows database to each door controller.

The **Micro TouchKey** door access system consists of the **Micro TouchKey** reader head and an ultra compact controller which holds its own list of valid Touchkeys. The controller releases an electric or magnetic lock when a keyholder presents a Touchkey it recognises.



MTK Reader Head



MTK Fob Programmer



User Fob



Programming Fob



MTK Door Controller



Power Supply Unit

Benefits

Access Control at a touch

Memory for up to 1000 keyholders per door

Electronic 'iButton' in a tough stainless steel case

Unique Serial Number assigned to each key, without duplication

Easy to Use and convenient to carry on a keyring

Programmable door access system using Windows software makes it easy to add new TouchKeys or void lost or stolen TouchKeys – no need to change locks when a key is lost

Access to a Combination of doors

No Data Cabling is needed – access rules are carried from the PC to a door controller using a master TouchKey

Two Time Zones – one giving 24 hour, 7 day access, a second for restricted access

Door Release Time and door alarm delays can be programmed – an alarm will be activated should the door be forced or held open

Non-Volatile Memory - the Micro TouchKey controller will not lose its list of valid TouchKeys should the power be removed

Before a TouchKey can be granted access, it must be entered onto the database. This is done by first entering a keyholder's name, together with the combination of doors where access is to be given. Then the TouchKey ID is captured by placing the assigned TouchKey onto the programmer unit connected to the PC.

To program a door, first present a memory TouchKey to the programmer unit. Select the door to be programmed and download. This will transfer the access information for that door to the memory TouchKey.

Next take the memory TouchKey to the door and touch it to the door controller's reader head. The list of valid keyholders will be copied from the memory TouchKey to the door controller's memory – this procedure is both quick and simple.

Reader Head

The reader head is a small robust, all weather, maintenance-free unit which can be mounted internally or externally. It's small profile and simple snap-on fixing makes for ease of installation and maintenance.

Dimensions:	Length 50mm x Width 30mm x Depth 15mm
Operating Temperature Range:	-20 to +70 C
Indicator Lamps:	Green - Access Granted Red - Access Denied
Material:	Stainless Steel

Door Controller

The door controller consists of an ultra-compact PCB which can be fitted in a standard electrical wall fitting or combined with an exit switch and door open alarm.

Dimensions PCB:	Length 51mm x Width 60mm x Depth 17mm
Enclosure Dimensions:	Standard 25mm 1-gang wall box (surface or flush mount) with blanking plate
Power Requirements:	10 milli-amp at 8-15 volts AC or DC
Operating Environment Range:	-20 to +50 C rel. humidity 90% non-condensing
Memory:	Electrically erasable PROM (Will survive a power failure without the need for battery back up)
Doors:	The Micro Touchkey door controllers controls entry through a door. Exit is achieved by use of a normal door handle, exit button or second Micro Touchkey reader head.
Keyholders:	The door controller holds up to 1,000 keyholders identities
Two Outputs:	Set of voltage free relay contacts (NO and NC) rated for 1 amp at 30 volts to control an electric lock; connections for a local alarm.
Three Inputs:	Door ajar monitor; exit button; an input to switch between timezone 1 and timezone two.
Memory Touchkeys:	Three versions are available with a memory capacity for 60, 250 and 1,000 touchkeys

