

Flat Key Metal Sealed Keypads

Vandal-proof metal keypads (Stainless Steel)

The metal keypad provides protection against vandalism, and the technical solution satisfies demands of functionality, lifetime and design. Vandal-proof keypads are made of acid-resisting stainless steel with built-in membrane switch. There is a provision of etched symbols, which can be coloured in various shades. The keypad also finds application for other automates e.g. Internet access, ticket- & vending machines etc.

Properties:

The rubber gasket absorbs eventual strokes on the keys and prevents damage.

Possibility of constructing the keypad dust- and waterproof.

Exact fitting as well as use of lower key protect against penetration of knife or similar tool.

AISI 316 (V4A) surface made of acid resisting stainless steel gets no aftertreatment.

This ensures identical look of keys and frame.

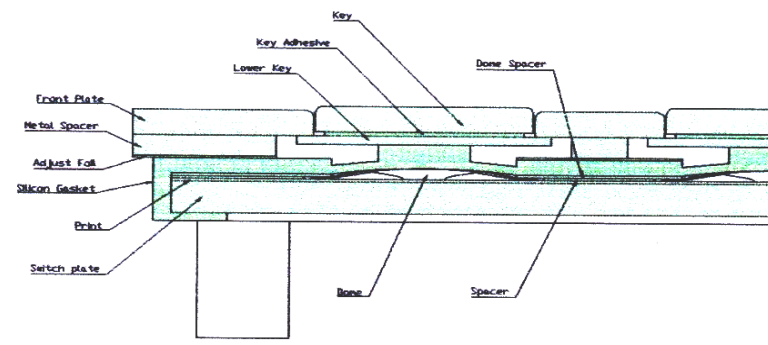
Metal domes ensure identical pressure on the keys.

Possibility of mounting intrusion circuit, heating element, window for display and LED's in the switch.

Possibility of mounting PCB as an alternative to the switch.

Lifetime by use of PCB and switch > 1 million

USB and RS232 interface



DATA SHEET FOR 12 AND 16 KEYS STAINLESS STEEL KEYPADS

	Metallic Panel Starr	Metallic Panel Flex	Metallic Easy Touch	Metallic Trackball
Electrical Data:				
Contact material	CuAu	Silver + Carbon	Silver + Carbon	
Max. Switching voltage (VDC)	30/42	30/42	30/42	
Min. Switching voltage (mVDC)	20	20	20	
Interface operating voltage (VDC)				5V
Max. Switching current (mA)	100	50	50	12
Min. Switching current (mA)	0.1	1	1	
Lifetime (10 square 6)	2	2	2	6
Contact bounce (ms)	<5	<5	<5	
Mechanical data:				
Actuating force min. (N)	3N	3N	1N	
Actuating travel (mm)	0.45	0.45	1.4+/-0.3	
Degree of protection from the front/Switching unit (IP)	40/65	40/65	40/65	65 static
Protection,external mechanical use (IK)	IK07	IK07	IK07	
Front panel material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Actuator/Keys material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Lettering	Etched	Etched	Etched	Etched
Climatic/Atmospheric data:				
Operating/Storage temperature (°C)	-25 - +85°C/-40 - +85°C	-25 - +85°C/-40 - +85°C	-25 - +70°C/-25 - +80°C	-10 - +55°C/-20 - +80°C

We can design exactly to your needs and specifications. AT PS/2 or USB connections are available as ports depending on the various versions. Depending on the design, the switches are available with faston connections, pins, wires or screw terminals. Plug-compatible adapters are also available to achieve rational wiring of components.