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TECHNOLOGY GROUP

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In a dirty world...

Storm
700 Series

Storm 700 Series keypads are intended for use in wet or dirty environments. These modular keypads are designed to withstand the ingress of liquids and other contaminants; manufactured to survive the rigours of modern industrial use.



Keytop legend tiles can be configured to suit individual applications.

Storm
700 Series

Tough keypads for tough environments.

Storm *700 Series* – Sealed & Rugged Keypads

In demanding or hostile environments, a keyboard operator must be confident that data can be entered quickly and accurately. With this objective the keys move with a positive over-centre action ensuring rapid and reliable data entry even in the most extreme conditions.

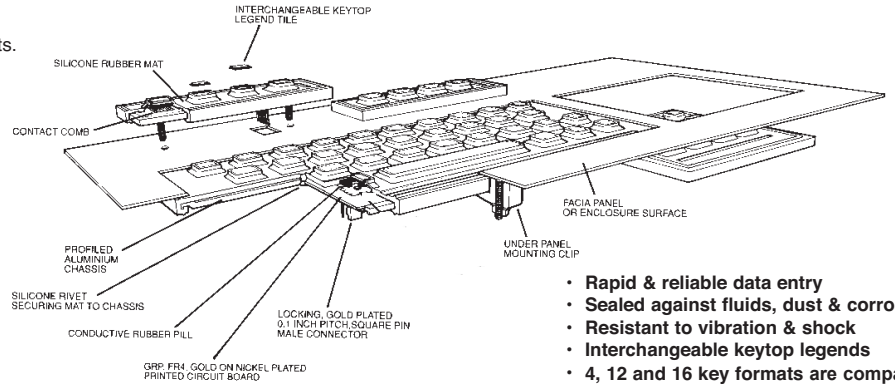
Storm 700 Series keypads are supplied in 4, 12, 16, and 36 key configurations. The keypad's unique modular design enables combinations of keypads to be used in the construction of more complex keypanel layouts.

The exceptional reliability of Storm keypads is achieved by an ingenious but simple method of construction. A moulded rubber mat is secured around a rigid circuit plate providing its own environmental seal. Storm keypads have been successfully tested after submersion under 1 metre of water for periods in excess of 1 hour. This was achieved without using gaskets or sealing compounds of any kind.

Interchangeable keytop legend tiles allow the selection of keytop graphics to suit any particular application. A comprehensive range of keytop legend tiles, are available from your local Storm supplier.

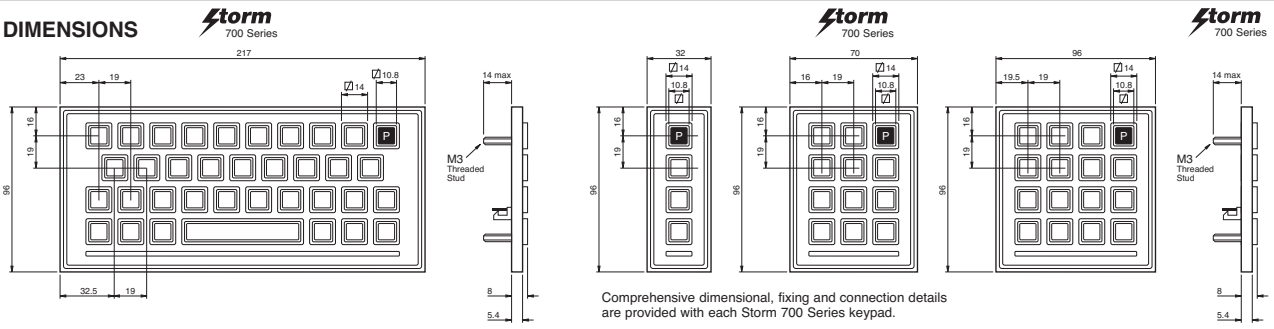
The Storm 700 Series keypads are compatible with the Storm RS232 and USB keypad encoders (4, 12 & 16 key keypads only).

The keypads can be easily mounted to a flat surface or can be located beneath a suitable aperture in a fascia panel.



- **Rapid & reliable data entry**
- **Sealed against fluids, dust & corrosives**
- **Resistant to vibration & shock**
- **Interchangeable keytop legends**
- **4, 12 and 16 key formats are compatible with Storm keypad encoders**

DIMENSIONS



All dimensions are in millimetres.

Comprehensive dimensional, fixing and connection details are provided with each Storm 700 Series keypad.

A comprehensive range of interchangeable keytop legend tiles, for use with Storm 700 Series keypads, are availble from your local Storm supplier.

ACCESSORIES FOR USE WITH STORM 700/900 SERIES KEYPADS

Item	Part Number	Description
Legend Tile Set	70X00101 (X denotes type, "A to F")	**A:** 0 - 9, ←, →, ↑, ↓, *, #, +, -, ÷, =, ., X, AC, I/O, ENT, CE/C, SP. **B:** ←, →, ↑, ↓, ENT, PRINT, DEL, INS, CAP, ESC, CTRL, ALT, ON, OFF, \, /, LOCK, ⇧, ⇥, ⇩, $£, :, ;, ', ., ↵, SP. **C:** "A TO Z" **D:** FI TO F12, £, $, ?, !, (,), @, <, >, Fn, ", ', %, &, SP. **E:** Blank **F:** 0 - 9, →, A - F, CE/C, ENT, OFF, *, #, +, -, ., blank, SP.
Under Panel Mounting Clips	7012CL0	For 4, 12 & 16 key keypad.
	7036CL0	For 36 key keypad.

SPECIFICATION & OPERATIONAL PERFORMANCE

ELECTRICAL

Contact Bounce	5ms (max)
Contact Resistance	100 ohm (max)
Insulation Resistance	50 Mohms (min) at 480V DC
Breakdown Voltage (to case)	500V AC (max 60 seconds)
Operating Voltage	24V DC (max)
Operating Current	50 mA (max) 20 mA typ 25mA (max)

MECHANICAL

Operational Life	2 million cycles (min)
Keytop Travel	1.5mm nominal
Actuation Force	160gms typical
Sealing Torque	0.14 - 0.16 Nm
Connector	Locking 0.1" pitch gold-plated square pin connector suitable for use with Molex 2695/6471 or 7720S series or similar female connectors

MATERIAL

Keypad Surface	Engineering grade silicone rubber
Keypad chassis	Coated non-ferrous metal
Contact Circuit	Gold on nickel plated FR4 PCB

ENVIRONMENTAL

Water Sealed	BS5490 Class IP67 / EC529 Class IP67 when panel mounted
Humidity	90% RH at 40°C (104°F 10 day (max) - Non-condensing
Operational Temperature	-55°C to +125°C (-67°F to +257°F)

Whilst every effort is made to ensure details are correct at time of print, specifications are subject to change without notice.

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CE

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