

storm 3000 Series Keypads



Responsive keypads for industrial use

- Reliable data entry in sheltered outdoor or indoor locations
- Weather, water and dust resistant (IP54)
- 4 key, 12 key and 16 key formats
- Raised "home pip" on the "5" key
- Simple 'row and column' circuit matrix, terminated by a male, gold-plated, square pin, 0.1" (2.54mm) pitch connector with locking ramp
- Can be fixed to a flat surface or under panel mounted for a flush, low profile installation



www.storm-interface.com

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products include
technology protected by
international patents
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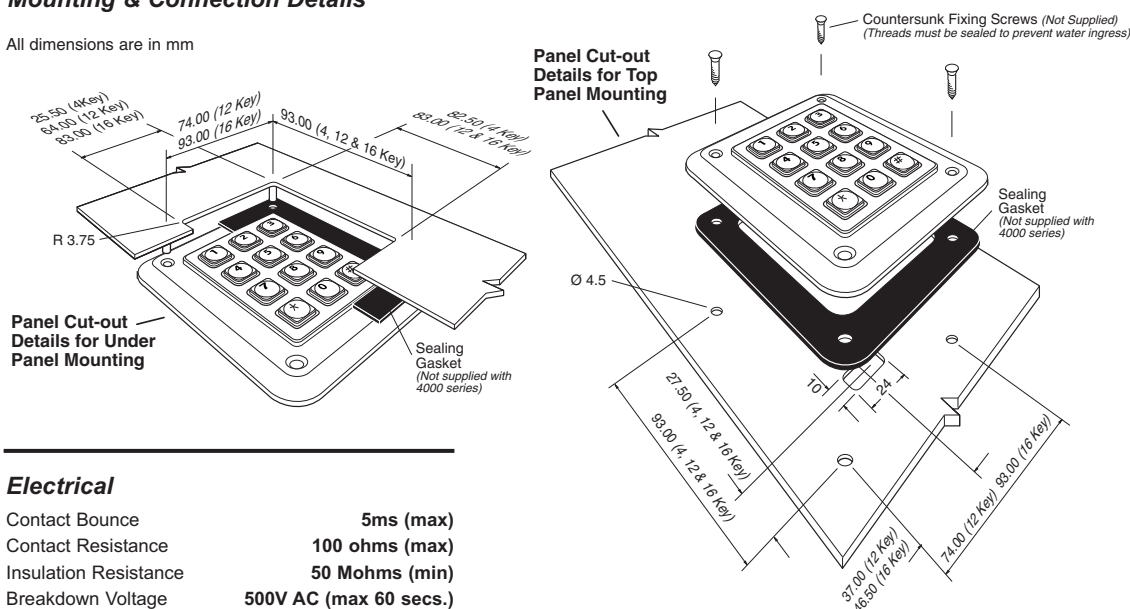


Figure 1: Overall Dimensions. The figure consists of three technical drawings of the device: a front view, a top view, and a side view. The front view shows a rectangular device with a 3x3 grid of LEDs. The top view shows a square device with a 4x4 grid of LEDs. The side view shows the profile of the device. Dimensions are provided in millimeters (mm). A note indicates a hole diameter of Ø 4.5 typ.

View	Dimension	Value (mm)
Front View	Overall Width	42.50
	LED Spacing (Horizontal)	25.00
	LED Spacing (Vertical)	19.00
	LED Array Width	82.00
	LED Array Height	93.00
	Overall Height	118.50
Top View	Overall Width	99.50
	LED Spacing (Horizontal)	74.00
	LED Spacing (Vertical)	63.50
	LED Spacing (Horizontal)	19.00
	LED Spacing (Vertical)	82.50
	LED Array Width	93.00
	Overall Height	118.50
Side View	Profile Height 1	11.1
	Profile Height 2	10.50
	Profile Height 3	8
	Profile Height 4	2.5

3K16T1 (Tel. Format)
3K1601 (Calc. Format)

All dimensions are in mm



Contact Bounce	5ms (max)
Contact Resistance	100 ohms (max)
Insulation Resistance	50 Mohms (min)
Breakdown Voltage	500V AC (max 60 secs.)
Operating Voltage	24V DC (max)
Operating Current	50mA (max)

Operational Life	2 million cycles (min) per key
Keytop Travel	1.4mm nominal
Actuation Force	180gms nominal
Connector	0.1" pitch, gold plated square pin, male connector

Water / Dust Sealed	IP54 (when mounted to suitable enclosure)
Operational Temperature	-10°C to +85°C (Dry)

Casing	General Service Polymer (mid grey)
Keytops	General Service Polymer (mid grey)
Keypot Legends	Engraved
Contact Circuit	Gold on Nickel plated FR4

Item	Stock No.	Notes
PC Interface	4200-00[x]	RS232
Rear Casing Provides space for additional components or circuitry (12 key formats only)	RC12020[x]	Supplied complete with fixing hardware, sealing gaskets and fixing instructions.
Blank Keytops set of four	1K0000[x]	Supplied without keytop graphics. Suitable for engraving.
Privacy Shield Provides PIN / Entry Code security	1KFS020[x]	Supplied complete with fixing hardware, sealing gaskets and fixing instructions. 12 key only.

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



FM 39602

KEY LOCATION
(As viewed from front of keypad)

CONTACT MATRIX	
CONNEX. PIN	ROW/COLUMN
1	common
2	D
3	C
4	B
5	A

KEY LOCATION
(As viewed from front of keypad)

CONTACT MATRIX	
CONN. PIN	ROW/COLUMN
1	A
2	B
3	1
4	2
5	3
6	-
7	D
8	C

KEY LOCATION
(As viewed from front of keypad)

CONTACT MATRIX	
CONN. PIN	ROW/COLUMN
1	A
2	B
3	1
4	2
5	3
6	4
7	D
8	C



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