

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*



UK Email: sales@storm-interface.com Tel: +44 (0)1895 431421
USA Email: sales.usa@storm-keypads.com Tel: +1 (630) 472 5360

www.storm-interface.com

Storm Interface products include technology protected by international patents and design registration. All rights reserved.

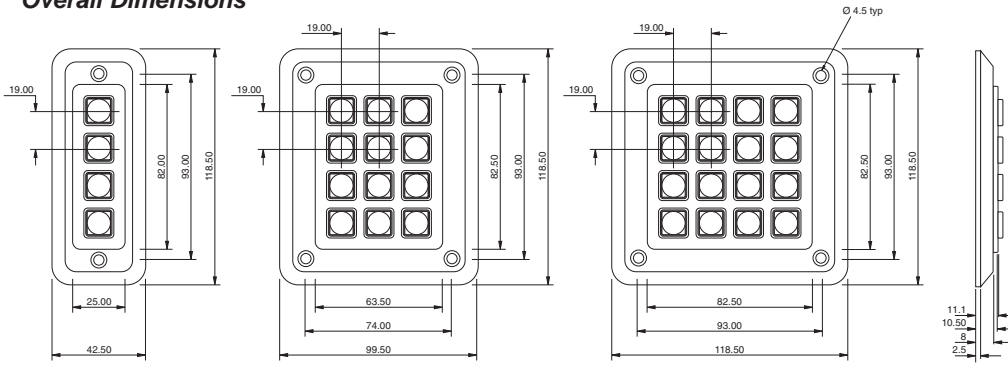
Storm

3000 Series responsive and reliable keypads

Suitable for general service or sheltered outdoor use. Using the proven Storm switch technology, these keypads are splashproof and suitable for use in most light industrial applications.



Overall Dimensions



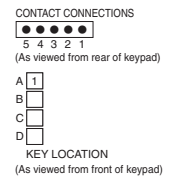
Part No.s
3K0421 (F1-F4)
3K0411 (← ↓ ↑ →)

3K12T1 (Tel. Format)
3K1201 (Calc. Format)

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



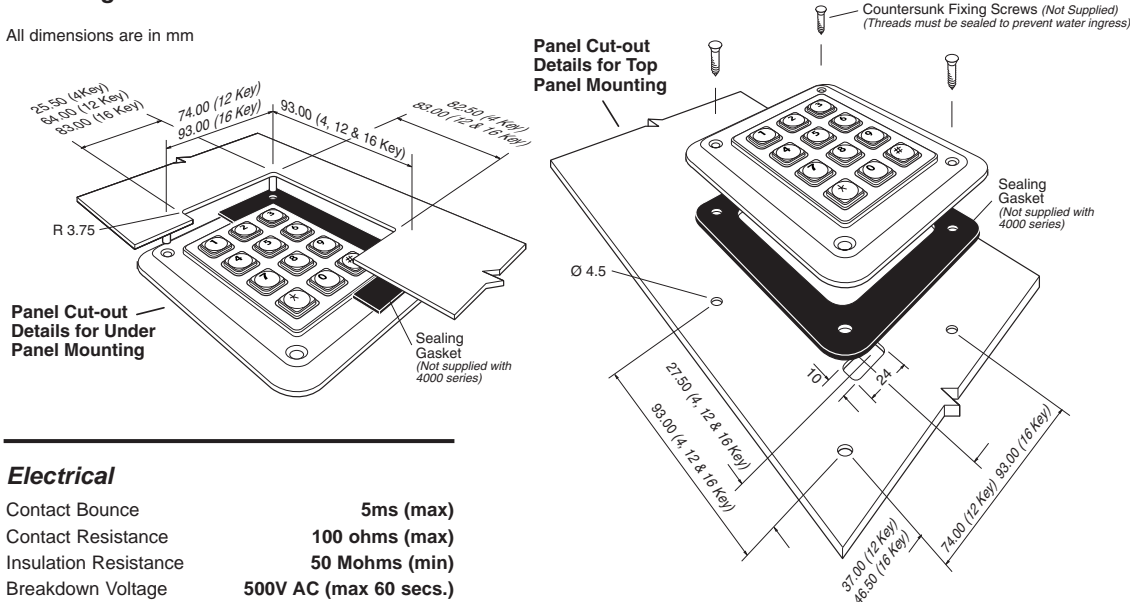
Connection Details for 4 Key Keypad



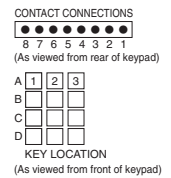
CONTACT MATRIX	
CONN. PIN	ROW/ COLUMN
1	common
2	D
3	C
4	B
5	A

Mounting & Connection Details

All dimensions are in mm

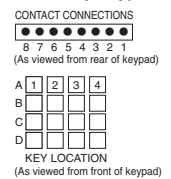


Connection Details for 12 Key Keypad



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

Connection Details for 16 Key Keypad



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

Electrical

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)

Mechanical

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

Environmental

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

Material

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

Accessories

Item	Stock No.	Notes
PC Interface	4200-00[x]	RS232
Rear Casing	RC12020[x]	Supplied complete with fixing hardware, sealing gaskets and fixing instructions.
Blank Keypads	1K0000[x]	Supplied without keypad graphics. Suitable for engraving.
Privacy Shield	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.



Designed & produced by
NIK Design
www.nikdesign.co.uk

3000-LIT-01 Rev 3
July 2007



FM 39602



USA Office:
Storm Interface
600 Enterprise Drive
Oak Brook
Illinois 60523 USA
Tel: +1 (630) 472 5360
Fax: +1 (630) 472 5364
Email: sales.usa@storm-keypads.com

UK Office:
Storm Interface
14 Bentinck Court
Bentinck Road
West Drayton
Middlesex UB7 7RQ
Tel: +44 (0)1895 431421
Fax: +44 (0)1895 431132
Email: sales@storm-interface.com
www.storm-interface.com
Storm is a trademark of Keymat Technology Ltd
Storm Interface is a trading name of Keymat Technology Ltd
Storm Interface products include
technology protected by international patents
and design registration. All rights reserved.