

2000 SERIES Robust Keypads

Rapid,
responsive
and reliable
keypads for
industrial use



- Weather, water and dust resistant (IP65)
- Vandal resistant
(20J BS EN 60068-2-75: 1997)
- Raised "home pip" on the "5" key
- High contrast keytops
- 4, 12 and 16 key formats

www.storm-interface.com

Storm Interface products
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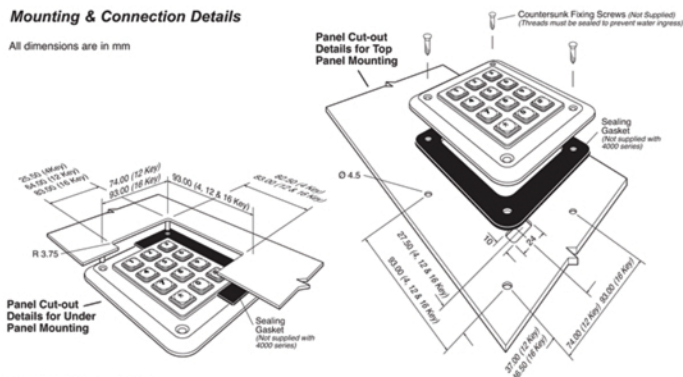


2000 Series robust keypads
for harsh industrial use

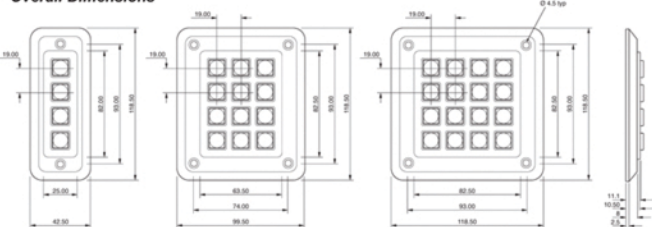
Storm 2000 Series ruggedized keypads are ideal for use in harsh industrial environments. They are constructed to survive in exposed, wet or dirty environments. Available in 4, 12 and 16 key configurations, these robust keypads can be fixed to the surface of a host enclosure or located beneath an aperture in a panel. Keys move with a positive "over-centre" action to provide a responsive tactile dynamic and reliable data entry. This excellent tactile response combined with a home pip and high contrast keytop characters make these keypads accessible for those with visual impairment.

Mounting & Connection Details

All dimensions are in mm.



Overall Dimensions



Connection Details for 4 Key Keypad

CONTACT CONNECTIONS

5 4 3 2 1
(As viewed from rear of keypad)

A 1
B
C
D

KEY LOCATION
(As viewed from front of keyboard)

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

Connection Details for 12 Key Keypad

CONTACT CONNECTIONS

8 7 6 5 4 3 2 1
(As viewed from rear of keypad)

KEY LOCATION
(As viewed from front of keyboard)

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 CONNECTIONS

8 7 6 5 4 3 2 1
(As viewed from rear of keypad)

A	1	2	3	4
B				
C				
D				

KEY LOCATION
(As viewed from front of keypad)

CONTACT MATRIX	
CONNEX. 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	4 million cycles (min) per key
Keytop Travel	1.4mm nominal
Actuation Force	180gms nominal
Connector	0.1" pitch, gold plated square pin, male connector

Environmental

Water / Dust Sealed	IP65 (when mounted to suitable enclosure)
Operational Temperature	-25°C to +85°C (Dry)

Material

Casing	General Service Polymer (black)
Keytops	General Service Polymer (translucent)
Contact Circuit	Gold on Nickel Plated FR4

Part Numbers

2K04110[X]
4 key Pad - Cursor
2K04210[X]
4 Key Pad - Function
2K12010[X]
12 Key Pad - Calculator
2K12T01[X]
12 Key Pad - Telephone
2K16010[X]
16 Key Pad - Calculator
2K16T10[X]
16 Key Pad - Telephone



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