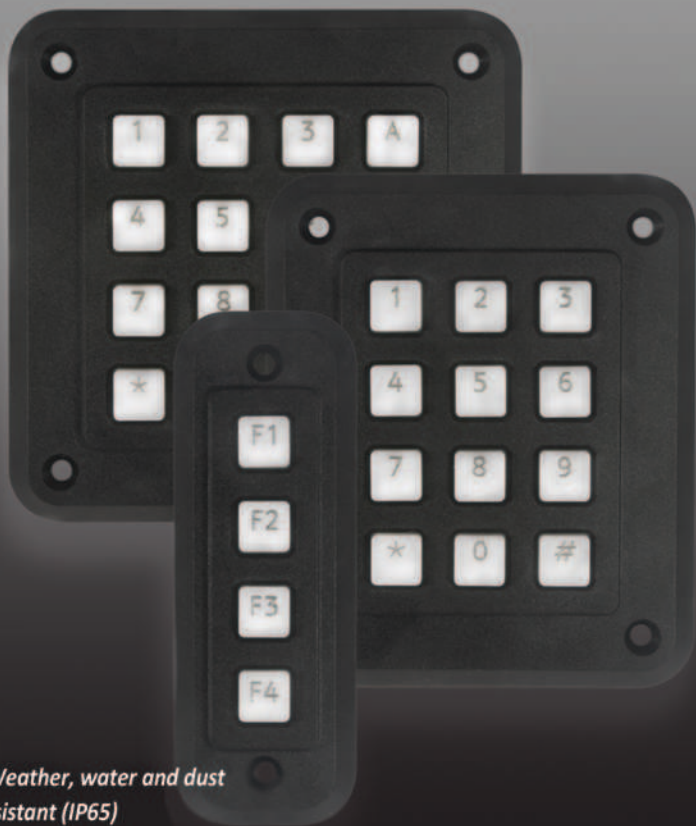# Storm
Interface

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
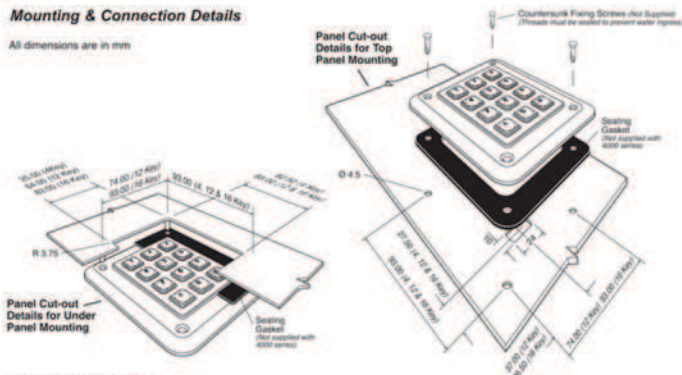- High contrast keytops
- 4, 12 and 16 key formats

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C€

Storm Interface

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

Panel Cut-out Details for Top Panel Mounting

Countersunk Fixing Screws (Not Supplied)
(Threads must be sealed to prevent water ingress)

Sealing Gasket (Not supplied with 4000 series)

Panel Cut-out Details for Under Panel Mounting

Sealing Gasket (Not supplied with 4000 series)

Connection Details for 4 Key Keypad

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

KEY LOCATION
(As viewed from front of keypad)

CONTACT MATRIX	
CONNEC. 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 keypad)

CONTACT MATRIX	
CONNEC. 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)

KEY LOCATION
(As viewed from front of keypad)

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

Overall Dimensions
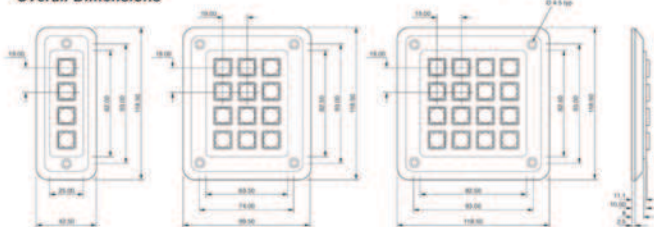
Electrical

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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