

[查询"2K000001"供应商](#)

Robust keypads for harsh industrial use.

Rapid, responsive
and reliable data
entry in wet,
dirty or extreme
conditions.



IMPACT RESISTANT



IP65 SEALED



>4 Million

OPERATIONS PER KEY



RESPONSIVE KEY ACTION

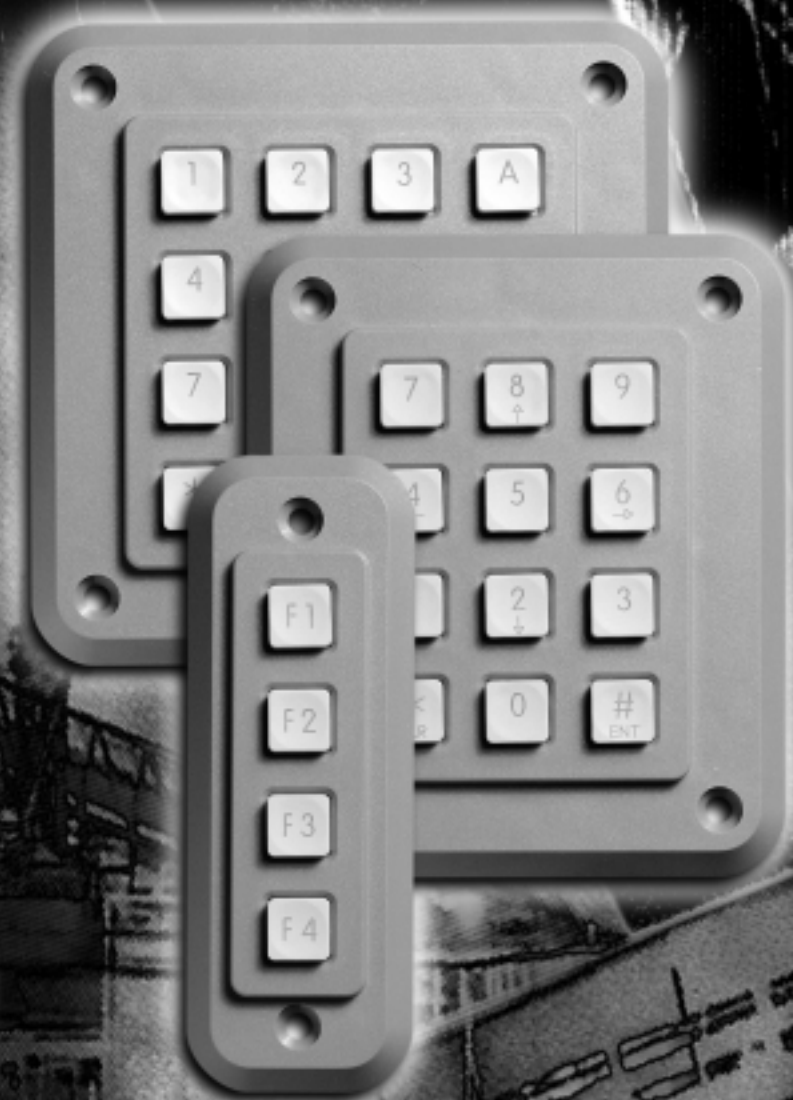


ESD PROTECTED



CE COMPLIANT

 **storm**[®]
2000 Series



torm®

2000 Series

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Tough impact resistant keypads suitable for use in harsh industrial and exposed, outdoor environments.

Typical applications include industrial process control, military equipment, instrumentation and access control. Constructed from an advanced super high impact polymer. These responsive keypads are built to survive.

Part No.s

2K0421 (F1-F4)

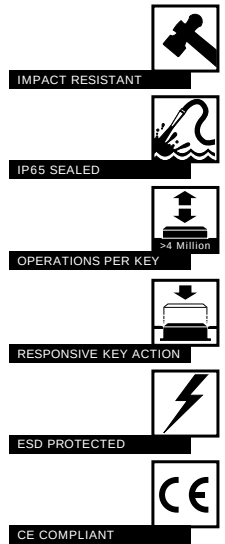
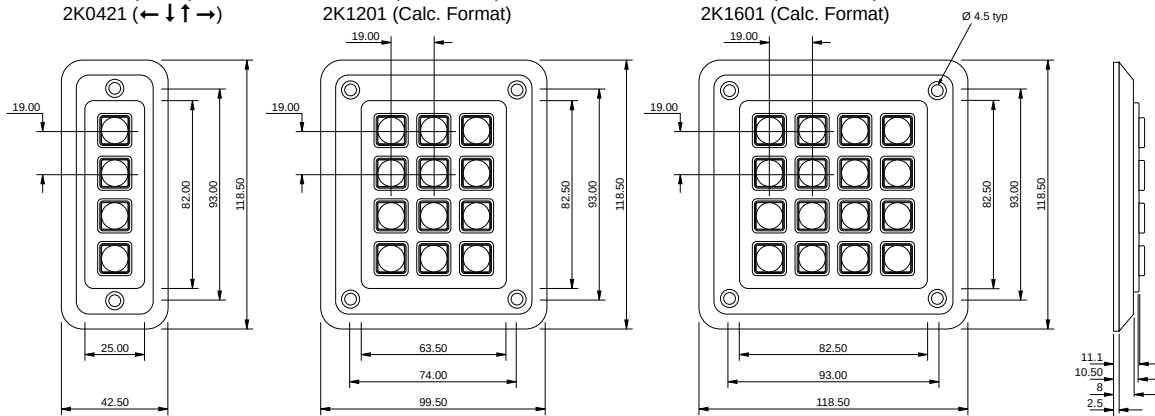
2K0421 (← ↑ ↓ →)

2K12T1 (Tel. Format)

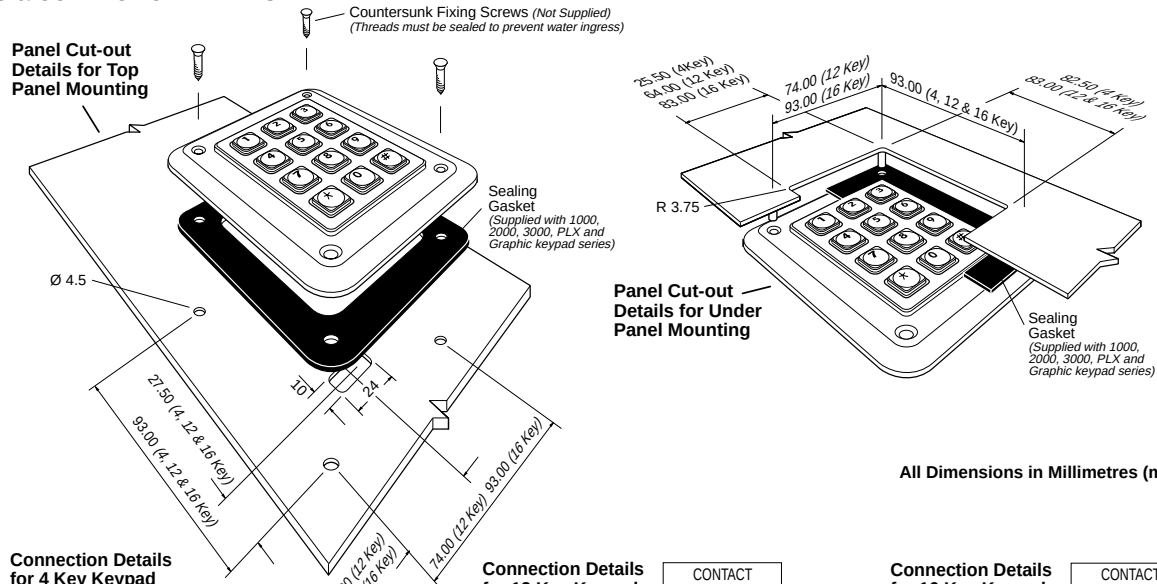
2K1201 (Calc. Format)

2K16T1 (Tel. Format)

2K1601 (Calc. Format)



MOUNTING & CONNECTION DETAILS



All Dimensions in Millimetres (mm).

Connection Details for 4 Key Keypad

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

A 1
B 2
C 3
D 4

KEY LOCATION
(As viewed from front of keypad)

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)

A 1 2 3
B 4 5 6
C 7 8
D 9 10

KEY LOCATION
(As viewed from front of keypad)

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 5 6 7 8
C 9 10 11 12
D 13 14 15 16

KEY LOCATION
(As viewed from front of keypad)

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)

ENVIRONMENTAL

Water / Dust Sealed IP65 (when mounted to suitable enclosure)
Operational Temp. -25°C to +85°C (Dry)
Impact 20 Joules via 50mm Ø steel impactor

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 with locking ramp

MATERIAL

Casing Super High Impact Polymer (mid grey)
Keytops Super High Impact Polymer (light grey)
Keytop Legends Laser Marked
Contact Circuit Gold on Nickel plated FR4



FM 39602

USA Office:

MGR
INDUSTRIES

450-B Industrial Drive, Fort Collins, CO 80524
Tel: 970-221 2201 Fax: 970-484 4078

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

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