



IP54 SEALED



OPERATIONS PER KEY



RESPONSIVE KEY ACTION



ESD PROTECTED



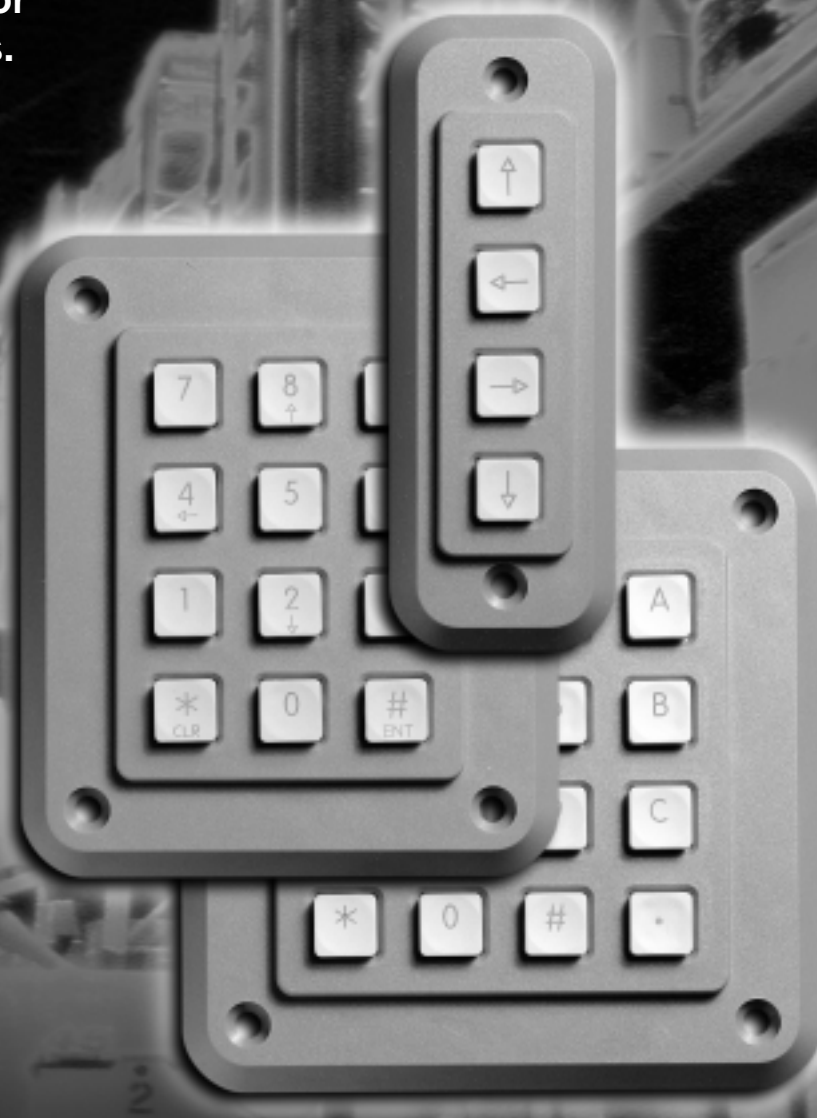
CE COMPLIANT

[查询"3K041101"供应商](#)

Responsive keypads for industrial use.

Reliable data entry
in sheltered outdoor
or indoor locations.

 [®]
3000 Series



storm[®]

3000 Series

查询"3K041101"供应商

Responsive, reliable keypads for general service or sheltered outdoor use.

Utilising the proven Storm switch technology, these keypads are splashproof and suitable for use in most light, industrial applications.

Part No.s

3K0421 (F1-F4)

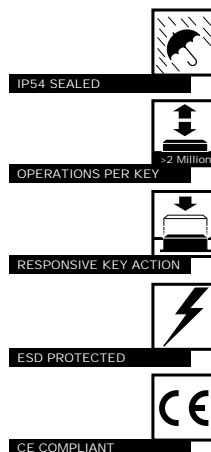
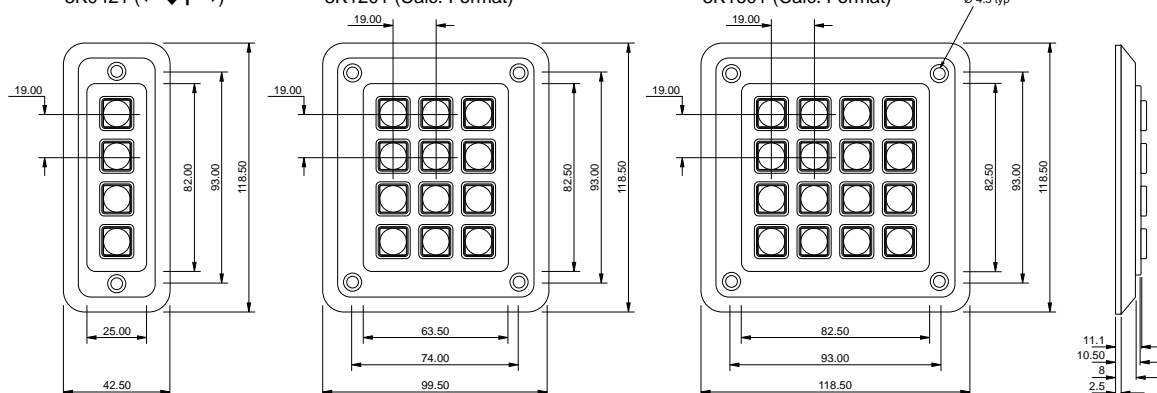
3K0421 (← ↓ ↑ →)

3K12T1 (Tel. Format)

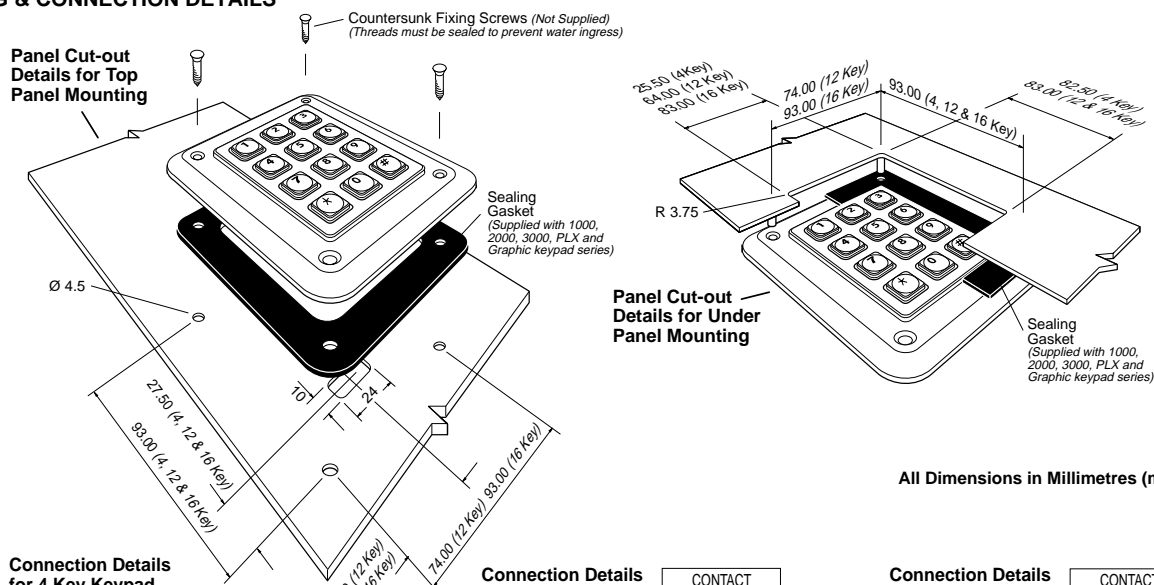
3K1201 (Calc. Format)

3K16T1 (Tel. Format)

3K1601 (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)

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)

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

KEY LOCATION
(As viewed from front of keypad)

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)

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)

CONNEC. 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
Keytop Travel 1.4mm nominal
Actuation Force 180gms nominal
Connector 0.1" pitch, gold plated square pin, male connector

MATERIAL

Casing General Service Polymer (mid grey)
Keytops General Service Polymer (light grey)
Keytop Legends Printed
Contact Circuit Gold on Nickel plated FR4

ENVIRONMENTAL

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



FM 39602

USA Office:

MGR
INDUSTRIES

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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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