

# storm<sup>®</sup> 1000 Series

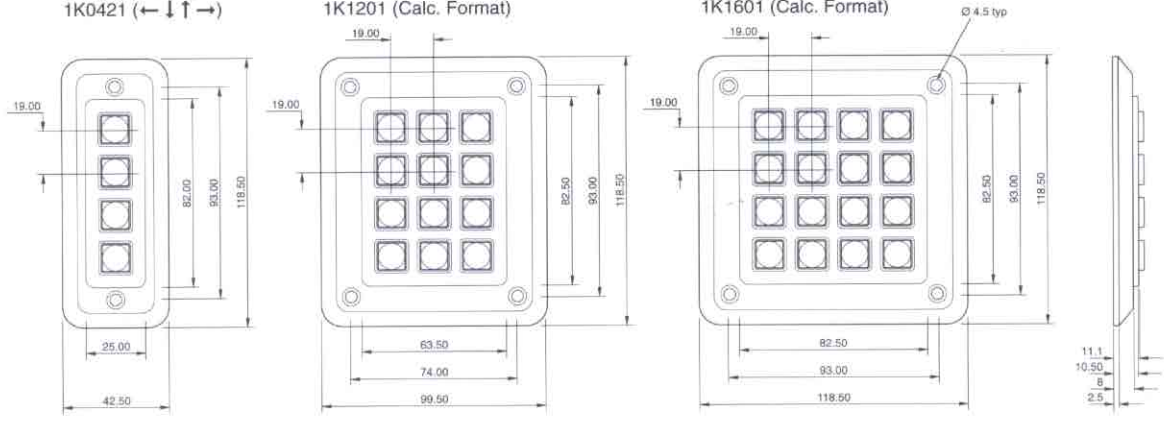
Attack resistant keypads for use in hostile outdoor environments.

A range of attack resistant keypads for use in the most demanding public or outdoor environments. Typical applications include payphones, security and access control systems, cash and ticket dispensing machines and interactive public information systems.

Part No.s  
1K0421 (F1-F4)  
1K0421 (← ↓ ↑ →)

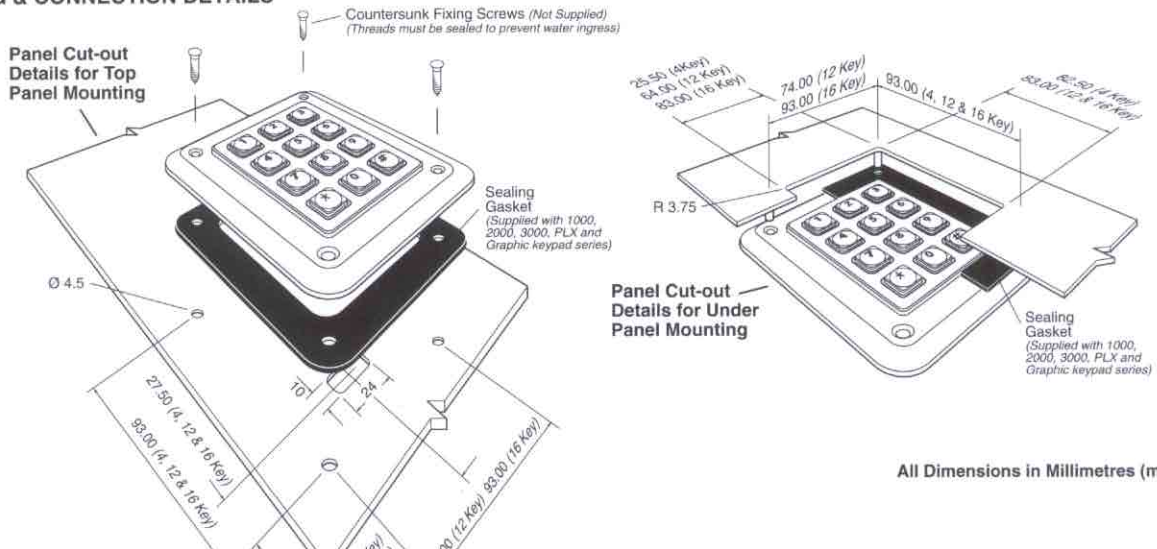
1K12T1 (Tel. Format)  
1K1201 (Calc. Format)

1K16T1 (Tel. Format)  
1K1601 (Calc. Format)



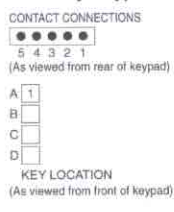
- VANDAL RESISTANT
- IMPACT RESISTANT
- IP67 SEALED
- OPERATIONS PER KEY >4 Million
- RESPONSIVE KEY ACTION
- ESD PROTECTED
- CE COMPLIANT

## MOUNTING & CONNECTION DETAILS

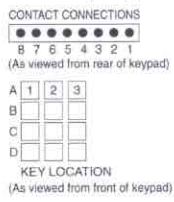


All Dimensions in Millimetres (mm).

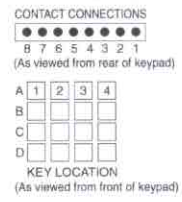
### Connection Details for 4 Key Keypad



### Connection Details for 12 Key Keypad



### Connection Details for 16 Key Keypad



**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 IP67 (when mounted to suitable enclosure)  
Operational Temperature -40°C to +100°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 & Keytops Chromed die-cast zinc  
Keytops Legends Engraved  
Contact Circuit Gold on Nickel plated FR4



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FM 39602

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

100-LIT-01  
Issue 2 - Feb 99

STORM IS A TRADEMARK OF KEYMAT TECHNOLOGY LTD.  
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# Anti-vandal keypads for hostile outdoor environments

Attack resistant  
keypads designed  
to ensure reliable  
and responsive  
operation in the  
most demanding  
public applications.

**storm**<sup>®</sup>  
1000 Series

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VANDAL RESISTANT



IMPACT RESISTANT



IP67 SEALED



>4 Million

OPERATIONS PER KEY



RESPONSIVE KEY ACTION



ESD PROTECTED



CE COMPLIANT

