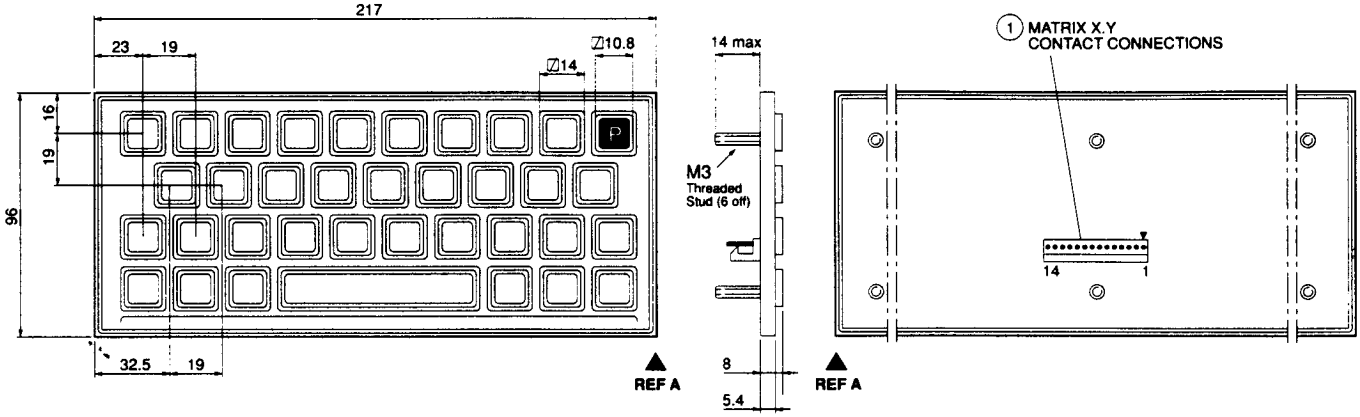
# Storm 700 Series - 36 Key, Sealed & Rugged Keypad

Part No. Grey 70360100 Black 70360200

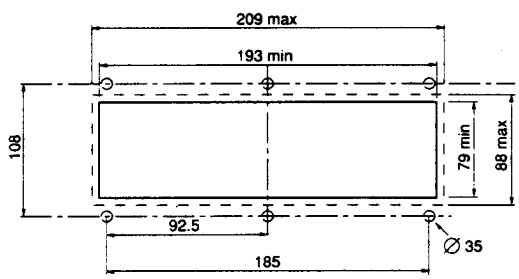



**Interchangeable legend tile sets for use with this keypad are supplied seperately. Please refer to the Storm 700/900 Series keytop legend tile specification sheet for details.**

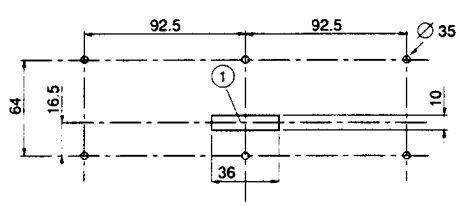
## MOUNTING & CONNECTION DETAILS

NOTE: FOR UNDER PANEL MOUNTING
USE UNDER PANEL MOUNTING CLIPS
PART NUMBER 70CL0000

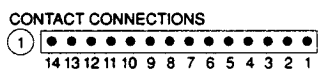
3 PAIRS REQUIRED

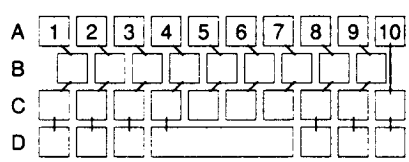



PANEL CUTOUT & DRILLING DETAILS
FOR UNDER PANEL MOUNTING




PANEL CUTOUT & DRILLING DETAILS
FOR MOUNTING TO PANEL SURFACE




| CONTACT MATRIX | |
|---|---|
| Connec. Pin | Row/ Column |
| 1 | A |
| 2 | 1 |
| 3 | 2 |
| 4 | 3 |
| 5 | 4 |
| 6 | 5 |
| 7 | 6 |
| 8 | 7 |
| 9 | 8 |
| 10 | 9 |
| 11 | 10 |
| 12 | D |
| 13 | C |
| 14 | B |

**All Dimensions in Millimetres (mm).**

### ELECTRICAL

| | |
|---|---|
| **Contact Bounce** | 5mS (max) |
| **Contact Resistance** | 100 ohm (max) |
| **Insulation Resistance** | 100 M ohms (min) at 480V DC |
| **Breakdown Voltage (to case)** | 2500v AC (max 60 seconds) |
| **Operating Voltage** | 24V DC (max) |
| **Operating Current** | 50mA (max) |

### ENVIRONMENTAL

| | |
|---|---|
| **Water Sealed** | BS5490 Class IP67/IEC529 Class IP67 when panel mounted |
| **Humidity** | 90% RH at 40°C (104°F) -10 day (max) - Non-condensing |
| **Operational Temperature** | -55°C to +125°C (-67°F to +257°F) |

### MECHANICAL

| | |
|---|---|
| **Operational Life** | 2 x $10^6$ cycles |
| **Keytop Travel** | 1.5mm nominal |
| **Actuation Force** | 160gms Typical |
| **Sealing Torque** | 0.14 - 0.16 Nm |
| **Connector** | Locking 0.1" pitch gold-plated square pin connector suitable for use with Molex 2695/6471 or 7720S series or similar female connectors |

### MATERIAL

| | |
|---|---|
| **Keypad Surface** | Engineering Grade Silicone Rubber |
| **Keypad Chassis** | Anodised Aluminium |
| **Contact Circuit** | Gold on Nickel plated FR4 PCB |

Whilst every effort is made to ensure details are correct at time of print. Keymat Technology Ltd cannot be held responsible for any errors contained within.
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