

storm

5000 Series Integrated Keypads



Integrated keypads with optional display and card reader for industrial or public environments

- Rugged, reliable and responsive data entry
- Offered in shortened or extended configuration (with or without card reader option)
- Vandal Resistant (20J BS EN 60068-2-75: 1997)
- Available with high impact polymer or chromed metal keys
- Hardened stainless steel face plate
- Can be supplied with an (optional) 20 character x 4 line illuminated LCD display
- Card reader/writer options available to suit most applications
- Easily and securely installed
- Weather sealed for outdoor use



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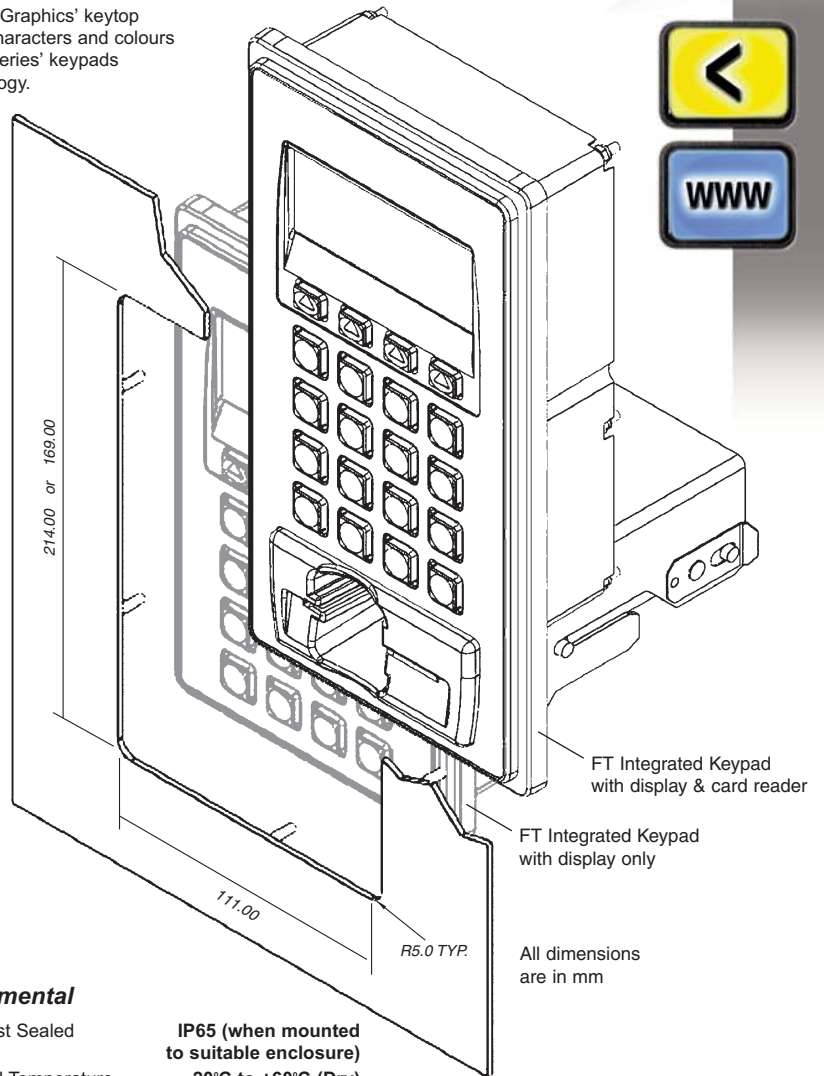
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5000 Series Integrated Keypads

Developed for use in a wide range of industrial and commercial applications, this integrated keypad with optional card reader and display is ideal for use in exposed, hostile or public environments. The card reader and display type can be specified to suit most applications. The optional LCD display module is securely located behind a coated, scratch resistant, water sealed polycarbonate window. Generous provision is made for the location of interface and encoding circuitry on the rear face of the Keypad.

The FT Integrated keypad can also be specified with the unique Storm 'Graphics' keytop technology. These innovative keytops enable customisation of keytop characters and colours (even in low quantities). Please refer to the Storm K Range 'Graphics Series' keypads datasheet for more information about Storm's 'Graphics' keytop technology.

- Weather and vandal resistant for outdoor and unsupervised public environments
- Integrated hybrid card reader-writer optional
- Optional 20 Character x 4 Line, illuminated LCD display (LCD Graphic or Vacuum Fluorescent displays available)
- Rapid, responsive and reliable data entry
- Stainless Steel front plate
- Available with High Impact Polymer or Chromed Metal keys
- Easily and securely installed in vending machines, car-wash controllers, public telephones, ticketing machines, gasoline pumps and car-parking control equipment.



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 Temperature | -20°C to +60°C (Dry) |

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 |

Material

| | |
|-----------------|-----------------------------------|
| Chassis | Super High Impact Polymer (black) |
| Front Panel | Stainless Steel |
| Keytops | Chromed die-cast zinc |
| Keytop Legends | Engraved |
| Contact Circuit | Gold on Nickel plated FR4 |

Mounting Dimensions

| | |
|-----------------------------------------------------|-------------------------------------------------|
| Extended Configuration (card reader version) | Shortened Configuration (no card reader) |
| Top mount requires cutout | 165.00 +/- 0.5mm x 108.50 +/- 0.5mm |
| 208.60 +/- 0.5mm x 108.50 +/- 0.5mm | Underpanel mount requires cutout |
| Underpanel mount requires cutout | 169.00 +/- 0.5mm x 111.00 +/- 0.5mm |
| 214.00 +/- 0.5mm x 111.00 +/- 0.5mm | |

Accessories [x] denotes packaging variant

| Item | Stock No. | Notes |
|------------------------------------------|------------|--------------------------------------------------|
| Mounting kit for Shortened Configuration | FTMK010[x] | Includes gasket and frame |
| Mounting kit for Extended Configuration | FTMK0003 | Card reader version Includes gasket and frame |
| PC Interface | 4200-00X | RS232 |

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



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