

# PC COMPATIBLE MEMBRANE KEYBOARDS

## with / without Mousepad

### AAC-107 and AAC-107M



## OVERVIEW

Ashe Controls has introduced a new range of industrial grade MMI Membrane Keyboards for various process operations. Keyboards employed in industrial applications need to conform to rigid safety standards which require protection from high temperatures, dust, humidity, moisture, vibrations, corrosive substances and mechanical shocks.

Ashe Controls also undertakes the custom design and manufacture of application-specific Membrane Keyboards for interface to PCs or dedicated PLCs and DCS systems. The PC-compatible Membrane Keyboards are basically structured around the standard PC compatible keyboards and can be offered with either USB or PS-2 sockets for normal plug and play operation with a PC.

The Keyboards are slim and aesthetically designed yet are rugged and intended for tough industrial applications. The Keyboards can be offered either without Mouse-pad, with Touch Mouse-pad or with Trackball for user control. The Keys are soft-touch, using tactile Stainless Steel Domes.

A Membrane Switch-pad of polyester material is used for operator interface in standard PC layout with integrated Mouse-pad, if required. The key legends are printed in soft pleasing colors on the overlay, while LED windows are provided for standard NUM Lock, CAPS Lock and Scroll Lock functions.

The Keyboard access can be inhibited using a key-lock switch. Other options include LEDs for key indications, electronic Buzzers for key-press feedback, flush-mounting executions, Mouse Pads, Trackballs, etc. DCS system dedicated Keyboards for system-specific interface can also be designed as required. The Keyboards are manufactured using selected high-grade components which guarantee it's functionality and long operational life.

All ASHE range of products carry a lifetime warranty for defects in design or workmanship.

## SPECIFICATIONS

<b>Model</b>	AAC-107 [without Mousepad] AAC-107M [with Mousepad] Customized designs made to user specifications & layouts
<b>Type</b>	Microcontroller based PC Compatible Membrane Keyboard with standard keys and with/without Touch Mouse-pad or Trackball.
<b>Material</b>	Polycarbonate Membrane Keypad panel.
<b>Key operation</b>	Tactile
<b>Key type</b>	Non-embossed.
<b>Key-life expectancy</b>	One million operations.
<b>Operating Temperature</b>	-18 to +70 degrees Cent.
<b>Rel. Humidity</b>	95% RH.
<b>User Control</b>	Touchpad Mouse or Trackball
<b>Power Supply</b>	System-powered
<b>Ingress protection</b>	IP65 (for Membrane Keypad) IP54 (for rest of enclosure)
<b>Memory</b>	Non-volatile on EEPROM.
<b>Execution</b>	Desk-top mounting / Flush mounting
<b>Enclosure</b>	Industrial grade ABS / Acrylic
<b>Weight</b>	Approximately 0.5 Kgs.

## FEATURES

- Microcontroller based design.
- Standard and Customized designs
- Slim and aesthetic design.
- USB or PS2 compatible interface
- Touch Mouse-pad or Trackball control
- Tactile feedback with gold-plated metal domes
- Life expectancy of one million operations
- IP65 ingress protection for Membrane Keypad
- LEDs for process indications
- Negligible power consumption and heat dissipation
- System powered
- Rugged, industrial grade ABS enclosure
- High Noise immunity.
- Desk top or Flush-panel mounting
- Proven record of several thousand installations
- Lifetime warranty on design and workmanship