



FIK-18

flipIT™ Integrated LCD Monitor Support Kit *patent pending*

Materials and Construction Specifications

Mechanism: The FIK18 requires 24" of clear workspace from front to back under a counter or work surface. The mechanism requires a hole cut out approximately 15.188" x 19" and is set back 7.875" from the desk's front edge. The keyboard is mounted to the bottom of the work surface on four flanged pads.

To Open - The keyboard platform starts the FLIP IT panel from its horizontal resting position. An initial manual pulling motion works on lateral pivots located inside a steel flanged trim ring mounted in the desktop. A 2" movement of the keyboard platform begins to actuate a pressure cylinder.

After the keyboard platform rotates the FLIP IT panel past its resting position it automatically (under constant pressure) opens up and back to a 110 degree viewing angle. It reaches a position located 30 degrees below a horizontal plane in a semi-recessed position. This position insures a 22" to 28" arc distance from the user beneath a horizontal line of sight.

The LCD display, attached to the bottom of the FLIP IT panel rotates up and back to expose itself. Any VESA (Video Electronics Standards Association) compliant LCD can mount to the system. The LCD on the FIK18 must be less than 17.25" in width from outside to outside of the monitor bezel.

Additional adjustment can be made to the angle of the LCD face by a quick release friction mounted VESA bracket. The bracket moves in a 20-degree forward and backward motion (10 degrees positive/negative) from the 110-degree plane. This may be used for fine adjustment of the viewing angle or to reduce any ambient reflection (glare) experienced by the user from the surface of the monitor plane.

To Close - Pull the FLIP IT panel down toward the keyboard. The same pressure which was used to open the mechanism (unassisted) is now used as back pressure to prevent slamming. It insures smooth resistance until about 1" above horizontal. The panel then coasts down against a foam pad on a steel stop flange.

Keyboard: A well-designed steel keyboard platform is coated with anti-skid material to prevent keyboard movement. It measures approximately 8.25" x 19.25". The mouse surface is housed under the keyboard platform. It is a 1/4" thick phenolic material with an applied mousing surface. It can be shuttled back and forth to provide an 8" left extension or an 8" right extension. When not in use, it falls within the shadow of the metal platform above.

The keyboard only serves to start the process of pivot rotation until the pressure cylinder takes over. Once the FLIP IT mechanism is open, the keyboard can be pushed back under the top without affecting the monitor location. The keyboard is independent of the closing process.

Security: A small cylinder lock is located at the front edge of the FLIP IT panel and provides LCD and Keyboard security in the closed position.

