

MECHANICAL ASSEMBLY DETAILS FOR AS1668 CONTROL MODULES**PROLOGUE:**

These instructions can be used for mounting the AS1668 modules in two different ways. The first method requires an AS1668 pre-punched 7U inner door. These doors can be purchased from Vigilant under the following order codes:

FZ9011 = FP,19" RACK,7U DOOR,DRILLED FOR 5 x AS1668 CONTROLS

FZ9012 = FP,19" RACK,7U DOOR,DRILLED FOR 15 x AS1668 CONTROLS

NOTE: Mounting hardware is included with the punched doors.

The second method assumes a blank panel surface with no holes drilled.

EQUIPMENT REQUIRED:Installation onto pre-punched 7U door:

AS1668 Control Module Kit (ie. KT0111, KT0112, or KT0113).

Installation onto blank panel surface:

AS1668 Control Module Kit (ie. KT0111, KT0112, or KT0113).

Hammer and centre punch.

Electric drill and sharp drill bits, sizes 5.0mm and 9.5mm.

Pencil, rubber, and ruler (for marking out mounting).

INSTALLATION PROCEDURE:Installation onto blank panel surface:

NOTE - If using pre-punched door see following Common Installation section.

1. Remove front panel label from the kit. With masking tape, tape the label onto the panel surface in the position required (see Fig 1 on drawing 1945-3 for overall module dimensions). Note that the PCB hangs down under the label (on the inside of the mounting surface). Also see drawing 1945-8 if mounting modules on a 7U blank door.
2. Centre punch the hole centres of the label (ie. 3 off for LED mounting and 1 off for switch mounting, per AS1668 module).
3. Remove the label from the mounting surface.
4. Cleanly drill the LED and switch holes in the panel, to the diameters indicated in Fig 1 of drawing 1945-3.

Common Installation Procedure (irrespective of mounting surface):

1. Trim the front panel label to the inside of the corner cut marks shown on the outer edges.
2. Peel the backing from the adhesive front panel label and apply the label to the door surface (align the 'holes' of the label with the door holes). NB: Make sure that the label is square and free of bubbles before smoothing it onto the surface.
3. If installing KT0113, make required modifications to the PCB as per instructions on applicable circuit diagram (ie. drawing 1945-1-3 or 1945-1-4).
NOTE: Use indelible pen to identify which circuit type the board has been modified to. This identification should be achieved by writing a "-3" after the screened "1945-1" (if modified as per 1945-1-3), or a "-4" (if modified as per 1945-1-4).
4. Mount the rotary switch/module onto the panel:

NOTES: (also see Fig 4 on drawing 1945-3)

- 1) Remove the switch nut (leaving the shakeproof washer on the switch shaft). Insert the switch/module through the panel making sure that the LEDs align with holes in the door, place the supplied shim washer onto the switch thread.

Carefully tighten the switch-nut against the shim washer and label (take care not to scratch the front panel label).
- 2) Push-fit the black switch knob over the switch shaft (note that the knob only fits on one way due to a flat on the switch shaft).
- 3) Place the rotary switch in it's centre position then push-fit the coloured switch end-cap into the top of the switch knob. Make sure that the white index line is in line with the line protruding from the "AUTO" position on the panel label. Turn the switch left and right to ensure that the white index line on end cap aligns with all 3 positions indicated by the door label.
5. If required, solder an End-Of-Line resistor to the trackside of the PCB (position indicated by arrows and 'REOL' text on trackside of board). See Fig 2 of drawing 1945-3.
6. Wire the AS1668 module to the FIP as per the appropriate circuit type 1-4 (ie. drawings 1945-1-1 to 1945-1-4).
7. KT0111 & KT0112 have a Terminal Block Label that can be placed beside the 4 way terminal block for wiring identification purposes (see Fig 3 of drawing 1945-3).