Adapter plate for 138mm x 138mm panel cutout nanodac recorder/controller

INTRODUCTION

This document describes the installation of a nanodac instrument into a pre-existing 138mm x 138mm panel cutout such as is typically used for 100mm chart recorders. Suitable panel thickness is 1.0mm (min) to 23.0mm (max).

PREPARATION

If an instrument is currently occupying the panel aperture, isolate it from its supply voltage, then remove all wiring, and demount the instrument from the panel, referring to the relevant instrument handbook or user guide as required.

INSTALLATION

Note: The following procedure recommends that the nanodac be inserted into the adapter plate before the adapter plate is installed into the panel. It is equally possible to install the adapter plate into the panel first, and then fit the nanodac to the adapter plate.

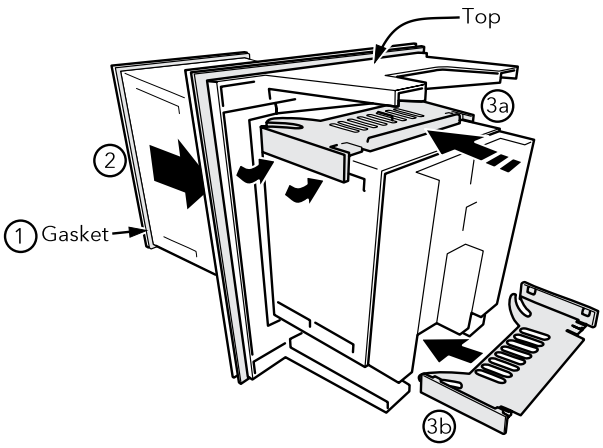

Figure 1a Installing the nanodac into the adapter plate

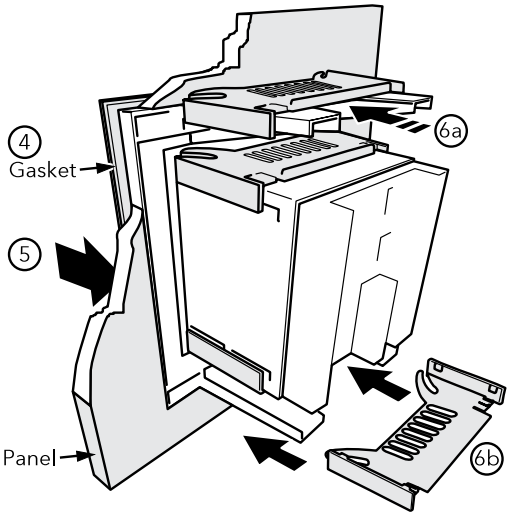

Figure 1b Installing the adapter plate into the panel

1. Take the nanodac unit, and ensure that its gasket is fitted correctly, without any twisting etc.
2. Insert the nanodac into the aperture in the adapter plate, making sure that the top of the recorder is aligned with the top of the adapter plate (marked with the word 'TOP').
3. Use two of the retaining clips supplied to secure the nanodac to the adapter plate (refer to section 2.1 of the nanodac handbook if necessary).
4. Ensure the adapter plate gasket is fitted correctly, without any twisting etc.
5 Insert the adapter plate / nanodac assembly into the panel aperture, ensuring correct orientation.
6. Secure the assembly to the panel using the remaining two clips.
7. Wire the nanodac unit, as described in section 2.2 of the user guide.

SPECIFICATION

The specification of the nanodac unit remains as quoted in the user manual and the specification sheet, assuming that both gaskets are fitted correctly to maintain the IP65/NEMA4X front panel protection.