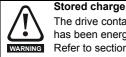


www.controltechniques.com

# Unidrive SP Size 2 Braking **Resistor Installation Sheet**

## Safety information



The drive contains capacitors that remain charged to a potentially lethal voltage after the AC supply has been disconnected. If the drive has been energised, the AC supply must be isolated at least ten minutes before work may continue. Refer to section 3.1 Safety information in the Unidrive SP User Guide.



If the drive has been used at high load levels for a period of time, the heatsink and heatsink mounted braking resistor can reach temperatures in excess of 70°C (158°F). Human contact with the heatsink and heatsink braking resistor should be restricted.



To avoid the risk of fire when the drive is surface mounted with the braking resistor fitted, the back plate should be a non-flammable material.

## Introduction

This braking resistor has been especially designed to be mounted within the heatsink of the Unidrive SP size 2. The design of the resistor is such that no thermal protection circuit is required, as the device will fail safely under fault conditions. The in built software overload protection is set up at default to protect the braking resistor.

### Contents of the box (1220-2758-01)

The following items should be supplied in the box:

 $1x 37.5\Omega$  Brake resistor assembly 1x Through hole grommet 1x Wire clip 1x Installation sheet

### **Fitting instructions**

Figure 1-1 Removing the DC terminal cover and break-outs

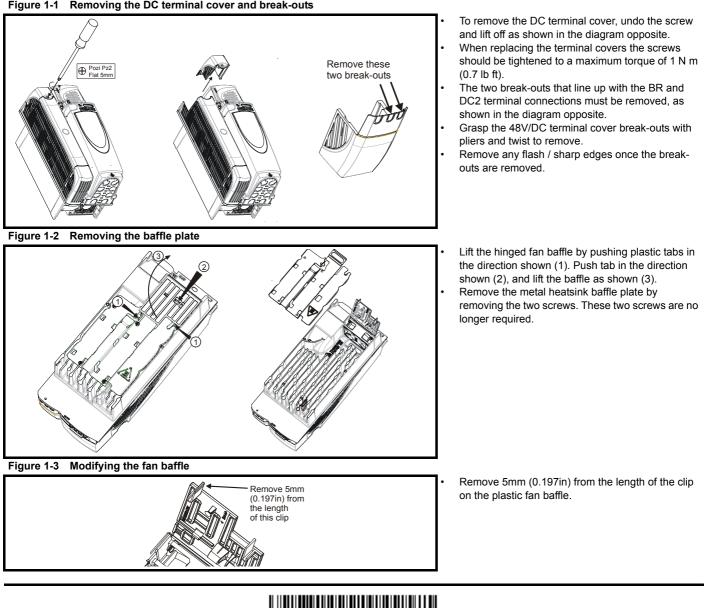




Figure 1-4 Fitting of the heatsink mounted braking resistor

