

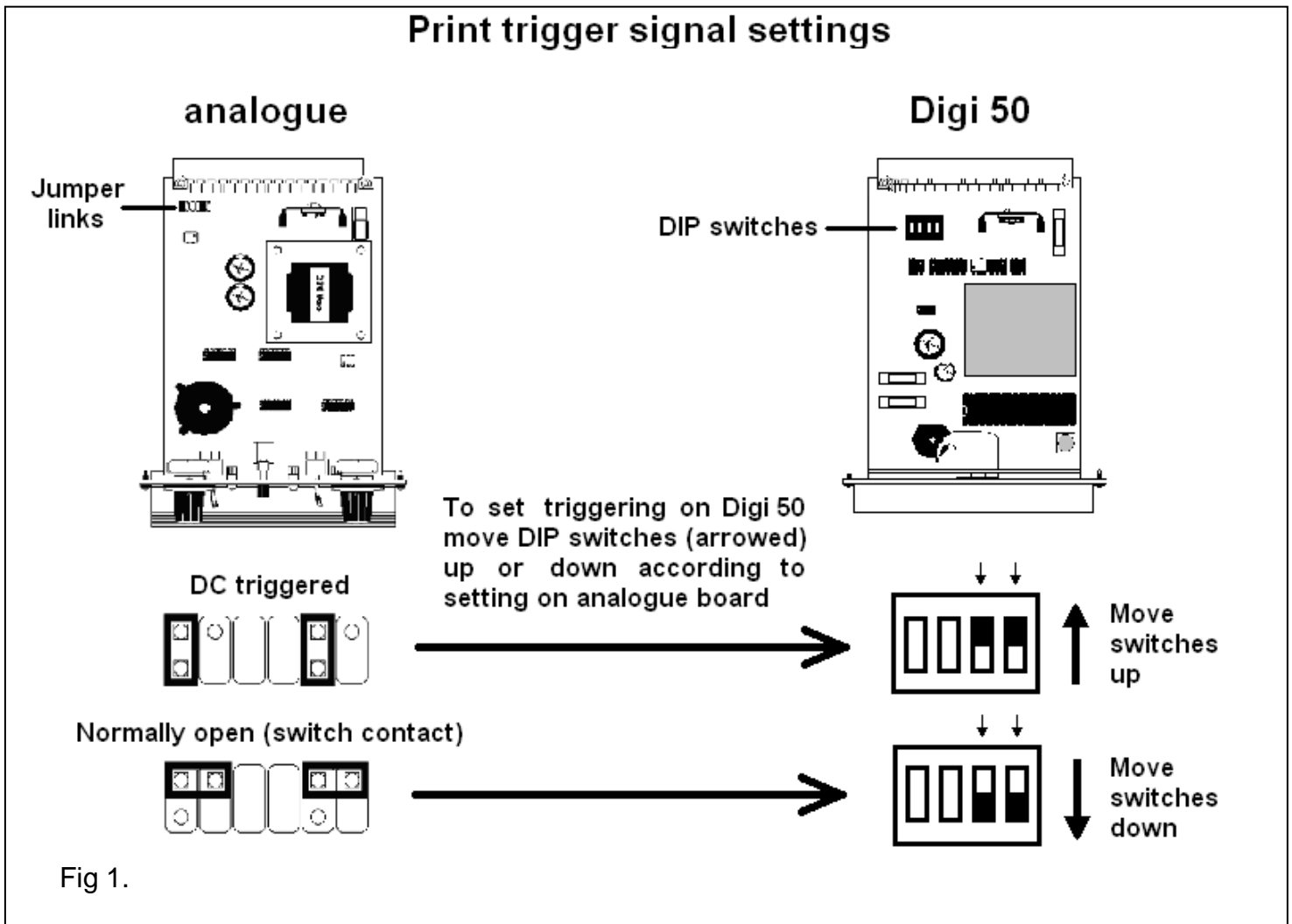
Analogue control board replacement with Digi 50

If the existing analogue control box has an external end of foil warning alarm fitted that is operated by a relay installed in the control box, the relay will need to be wired differently or replaced so the alarm continues to operate.

Note: *The Digi50 does not have a mains power switch therefore a suitable isolating switch must be provided in the mains power supply to the control box.*

Before fitting the Digi50 please follow the steps below:

1. Electrically Isolate the printer and control box.
2. Check the trigger mode settings and set Digi 50 as required. (See Fig 1.) for setting detail
3. Check if relay **RSA393101** is fitted inside control box. If control is **NOT** operating a Printmaster, (See Fig 2.) for rewiring detail.
4. **If control is fitted with relay RSA393101 and operating a Printmaster** you will require alternative relay **FWR620240** connected as shown in Fig 3.



External end of foil Alarm & Relay RSA393101 (NOT Printmaster)

** N.B. Relay FWR620240 must be used with Printmaster / Digi50 combination See Fig 3.*

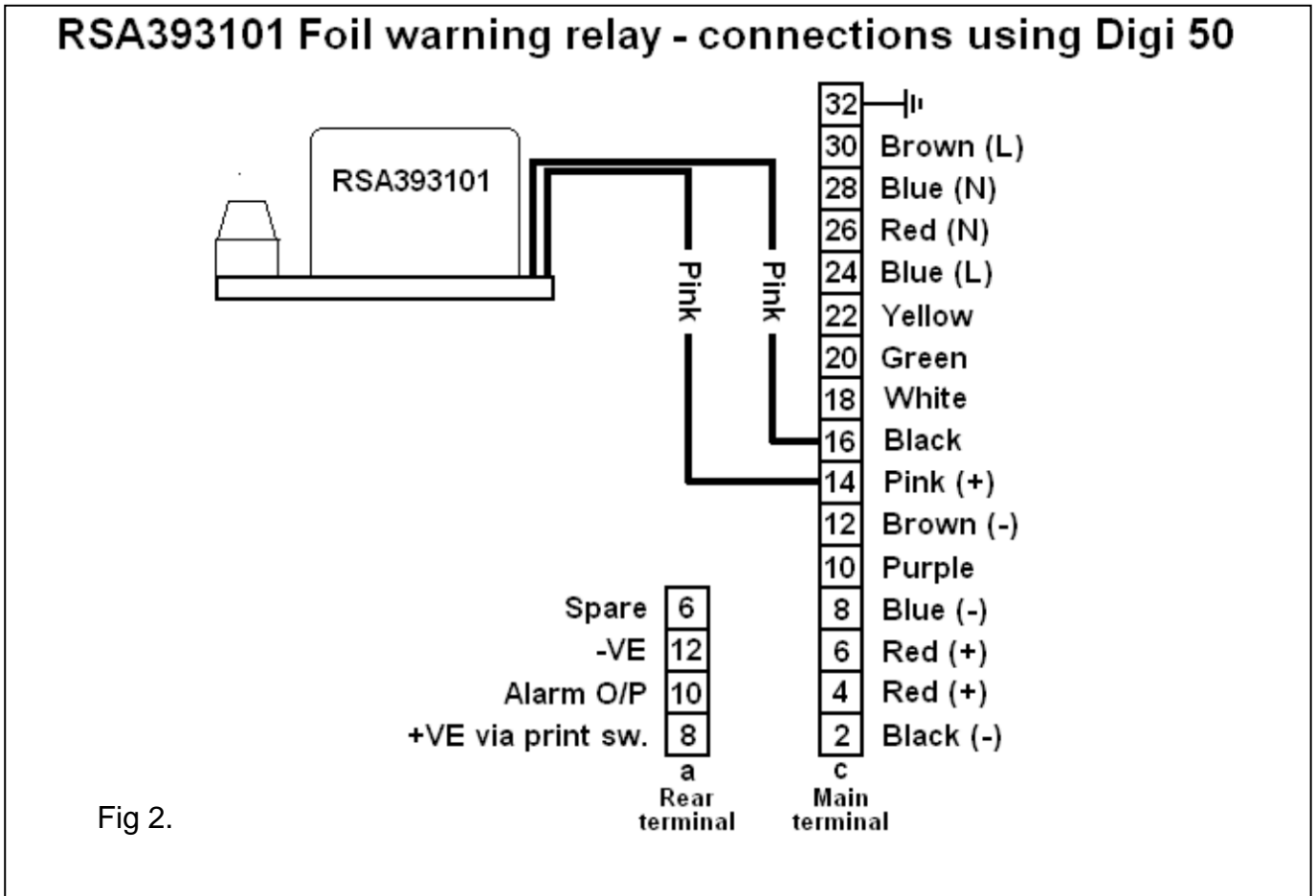


Fig 2.

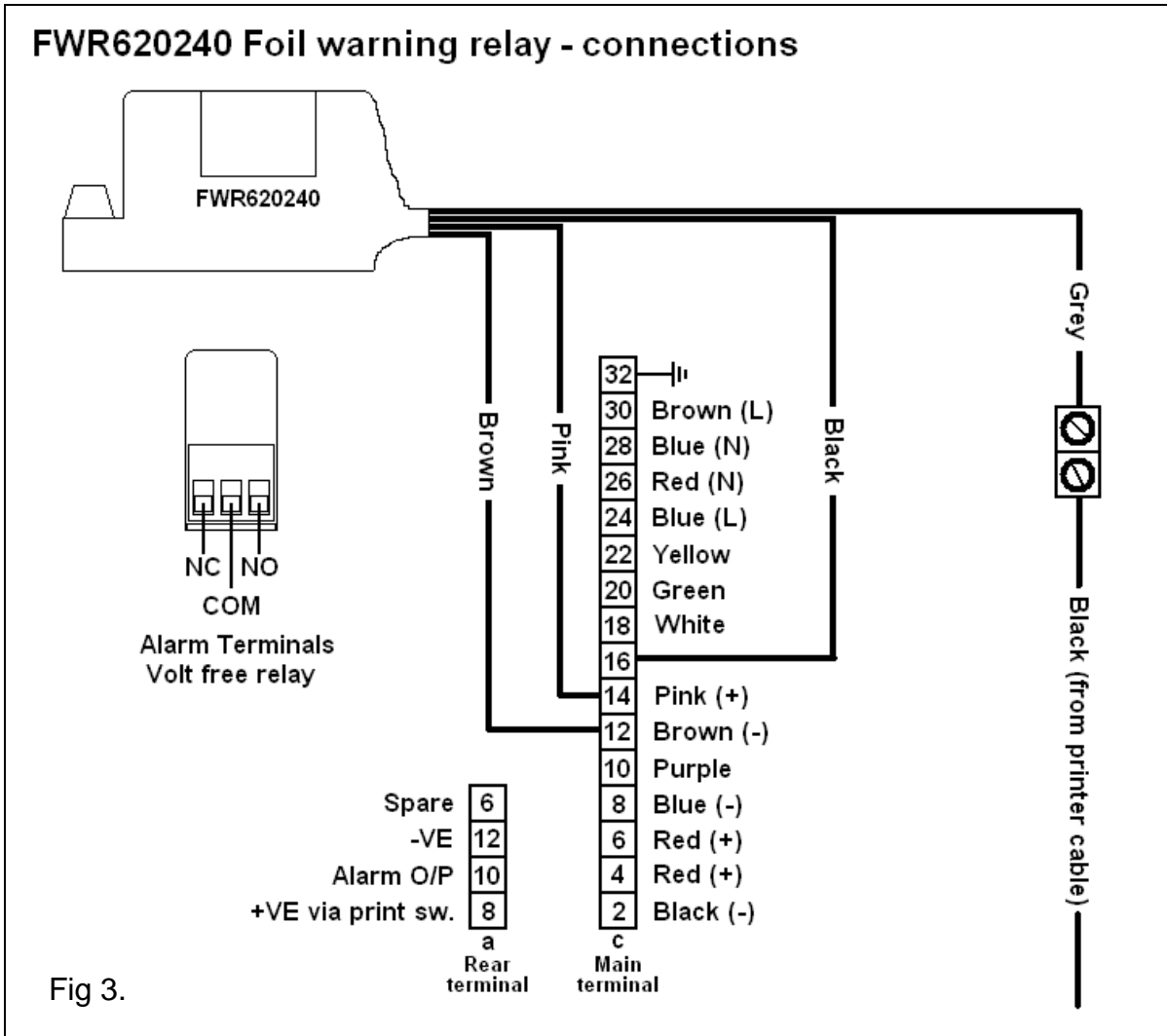
Printmaster FWR620240 Relay

Remove existing relay and replace with relay **FWR620240**.

The new relay fits into the space between the back panel and the terminal panel of the control box.

Wiring relay FWR620240 to the control box (See Fig 3.)

1. Connect the BROWN wire from the relay to terminal 12. Leave the existing brown wire connected.
2. Connect the PINK wire from the relay to terminal 14. Leave the existing pink wire connected.
3. Disconnect the black wire of the printer multicore cable from Terminal 16.
4. Connect the BLACK wire from the relay to terminal 16
5. Connect the GREY wire from the relay to the black wire of the printer multicore cable, using the terminal block supplied.



Wiring the relay to the alarm

If the relay is replacing an existing foil relay (Pt. No. RSA393101) the wiring is as follows:

- BLUE wire to NC terminal.
- GREEN wire to COM terminal.
- RED wire to NO terminal.

To connect an alarm to the relay use the COM and NC terminals to interrupt the power supply to the alarm.

Relay Information – FWR620240

- The volt free (floating) relay terminals are rated 8A @ 250Vac
- The relay is energized when there is foil present

For technical queries please contact Andy Gibbons @ Open Date