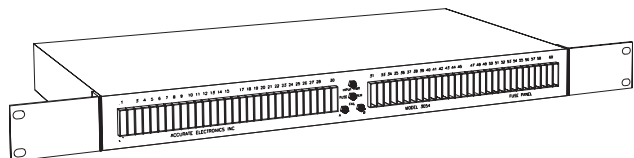




FUSE AND ALARM PANEL

MODEL 3054

60 CIRCUIT, + 27 VDC IN / - 24 VDC OUT



CONTENTS

1.) GENERAL	<u>A</u>
2.) SPECIFICATIONS	A
3.) CIRCUIT DESCRIPTION	A
4.) MECHANICAL OUTLINE	A
5.) INSTALLATION	A
6.) MAINTENANCE	A
7.) WARRANTY	A

FIGURES

Figure 1...CIRCUIT DIAGRAM	B
Figure 2...MECHANICAL OUTLINE	B

1. GENERAL

1.01 This practice provides, specification, circuit and mechanical description, maintenance, installation, and warranty information relating to Accurate Electronics' Fuse and Alarm Panel Model 3054.

1.02 The Fuse Panel is designed specifically for powering Accurate Electronics' Model 23020 Line Amplifiers from a +27VDC negative ground source. The panel provides (60) -24VDC fused outputs from one or two +27VDC inputs. Two DC/DC converters with independently fused inputs are diode combined to provide redundancy.

1.03 The panel fits into a 19" or 23" relay rack with flush, 1.75", or 5.25" depth mountings available. Reversible mounting ears allow different panel depths.

1.04 Alarm contacts are provided for Fuse Alarm, loss of A input or converter A failure, and loss of B input or converter B failure. The alarm contacts are available at TB3 on the rear panel.

1.05 Two (2) Red LEDs on the front panel provide visual indication of alarm condition. A green POWER LED also indicates if A or B input power is present.

1.06 The panel is shipped with 60 color coded GMT fuses rated at 0.18 A (yellow).

2. SPECIFICATIONS

2.01 Electrical

Fused Output Circuits Per Panel:	60
Fuse Type:	GMT 0.18 A (yellow flag)
Input Voltage:	+ 27 VDC (21 to 32 VDC) negative ground
Output Voltage:	- 24 VDC +/- 0.5 V positive ground
Total Output Current:	3.0 A MAX
Output Current each Circuit:	0.5 A MAX supplied with 0.18 A fuses

2.02 Environmental

Operating Temperature: 0 - 55 °C
Humidity: up to 95% R.H., non-condensing

2.03 Physical

Dimensions:

19" racks: 19.000"W x 1.750"H x 11.250"D
48.260cm W x 4.459cm H x 28.589cm D
23" racks: 23.000"W x 1.750"H x 11.250"D
58.420 cm W x 4.459 cm H x 28.589 cm D

Mounting Width:

19" racks: 18.31"W x 1.75"H (46.507 cm W x 3.175 cm H)
(1.25 EIA Spacing)
23" racks: 22.34"W x 1.75"H (56.744 cm W x 3.175 cm H)
(1.25 EIA Spacing)

Mounting Depth:

flush, 1.75" and 5.25"
reversible/adjustable ears
4 ea. 4/40 allen head screws
black anodized / white lettering

Finish:

Weight:

Mounting Hardware:

- Ship with kit:
- (4) MS, 12/24 x 3/4 Pan Phillips
- (4) 12/24 Hex nuts
- (8) #12 round washers
- (4) Tye wrap

3. CIRCUIT DESCRIPTION

3.01 See Figure 1.

4. MECHANICAL OUTLINE

4.01 See Figure 2.

5. INSTALLATION

5.01 Adjust the mounting ears to desired position by first removing the two (2) machine screws, placing the ear in the desired position, either for 19" or 23" spacing, and then re-installing the two (2) machine screws. Mount the unit firmly to the relay rack with the enclosed hardware: four (4) 12/24 x 3/4 phillips screws, four (4) # 12 hex nuts and four (4) # 12 flat washers.

5.02 Connect the inputs and outputs on the rear panel referring to FIGURES 1 and 2 for terminal assignments.

6. MAINTENANCE

6.01 No preventive maintenance is necessary. General care is recommended.

7. WARRANTY

7.01 See WARRANTY in front of catalog.

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FIGURE 1. CIRCUIT DESCRIPTION

FIGURE 2. MECHANICAL OUTLINE

