

**ALARM RELAY BOX
AR001
SERIES**

1. Introduction.....3
2. Applications3
3. Installation/Connection.....3
4. Operation.....4
5. Specification4
6. Front and rear views of ARB 001 (not /10 or /11)5

1. Introduction

This Alarm Relay Box provides up to four single pole change over relay contacts from open collector transistors.

2. Applications

With the use of the appropriate cables this relay unit can be used on most UPS with open collector transistor alarm contacts.

3. Installation/Connection

Place the unit so that the supply and signal cables reach the appropriate points on the UPS. Plug the supply cable into one of the output sockets of the UPS. Using the cable provided connect the D9 connector on the rear of the relay unit to the UPS alarm contact socket (see UPS manual). For the relay output connections see chart below (D25 only).

D9 Plug UPS Connection	D25 Socket Relay Contacts *		ETC Alarms	ETD Alarms	MBRP/3 Connections
1	14	Normally Open	Battery Working	On Bypass (Alarm)	8 (Alarm)
	15	Common			7
	16	Normally Closed			1 (UPS ok)
2	17	Normally Open	Battery Low	Battery Low	9 (On Battery)
	18	Common			
	19	Normally Closed			
3	20	Normally Open	Not used	Inverter Connected	
	21	Common			
	22	Normally Closed			
5	23	Normally Open	Not used	Battery Working	
	24	Common			
	25	Normally Closed			
	1	0v	Not used	Not used	6
	4	12v	Not used	Not used	7

* Pin 7 is GROUND.

NOTE: Do not use RS232 cables with this unit. Maximum cable length 200 metres. Do not use cable provided for connecting to an RS232 port as damage to equipment may occur. For the relay output connections see chart below (terminals /10 & /11).

D9 Plug UPS Connection	Terminal strip 6Way (/I10) Terminal Strip 12 Way (/I11)		ETC Alarms	ETD Alarms
1	TB1	Normally Open	Battery Working	On Bypass (Alarm)
	TB2	Common		
	TB3	Normally Closed		
2	TB4	Normally Open	Battery Low	Battery Low
	TB5	Common		
	TB6	Normally Closed		
3	TB7	Normally Open	Not used	Inverter Connected
	TB8	Common		
	TB9	Normally Closed		
4 (Common)				
5	TB10	Normally Open	Not used	Battery Working
	TB11	Common		
	TB12	Normally Closed		

* Pin 7 is GROUND. Pins 1 (0v) and 4 (12v) are reserved for use with MBRP /3 remote status panel.

4. Operation

When the UPS produces an alarm signal to the UPS socket the associated relay contacts operate. When the alarm is cleared the relay releases.

NOTE: When the UPS shuts down all the relays will be in the NORMAL position.

5. Specification

?? Input Voltage	230Vac 50Hz (110Vac 50Hz version available)
?? Power Consumption.	0.016Amps (0.032Amps 110Vac version)
?? Relays.	4 x Single Pole Change Over.
?? Contacts	30 VDC ~ 2Amps. 125VAC ~ 0.5A
?? Dimensions:	154mm (W) x 84mm (D) x 64mm (H)
?? Weight	0.52 kg

6. Front and rear views of ARB 001 (not /10 or /11)

