

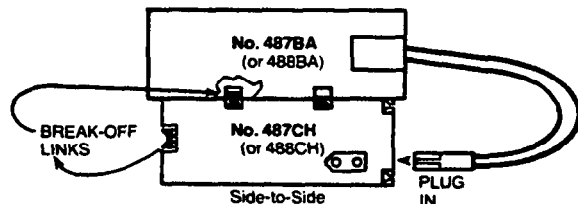
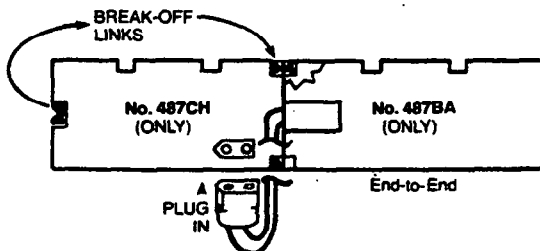
POWER SUPPLIES			POWER SUPPLY/BATTERY COMBINATIONS SHOWN ARE UL RATED:		
CAT. No.	AC INPUT (60HZ) TERM: 1, 2	BATTERY RECOMMENDATION	AT THESE DC OUTPUTS		FOR THIS TYPE OF SERVICE
			TERM: 3(+), 4(-)	TERM: 5(+), 6(-)	
487CH	12VAC, 6VA (e.g.: No. 1320 TRANSFORMER)	6V, 2.5AH SEALED LEAD ACID (e.g.: No. 487BA) (C)	6VDC CONTINUOUS: 250mA INTERMITTENT: 1.5A (A)	6VDC, 10mA CONTINUOUS PROTECTIVE CIRCUIT (B)	HOUSEHOLD ALARM
			6VDC CONTINUOUS: 150mA INTERMITTENT: 1.5A (A)	6VDC, 10mA CONTINUOUS PROTECTIVE CIRCUIT (B)	HOUSEHOLD AND MERCANTILE ALARM
		6V, 1.2AH GEL (e.g.: No. 483) (D)	6VDC CONTINUOUS: 30 mA INTERMITTENT: 1.5A (A)	(B)	HOUSEHOLD AND MERCANTILE ALARM
			(A)	(B)	HOUSEHOLD AND MERCANTILE ALARM
488CH	12VAC, 20VA (e.g.: No. 1322 TRANSFORMER)	6V, 5AH SEALED LEAD ACID (e.g.: No. 488BA) (C)	6VDC CONTINUOUS: 750mA INTERMITTENT: 2A	(B)	HOUSEHOLD AND MERCANTILE ALARM
			6VDC CONTINUOUS: 100mA INTERMITTENT: 2A	6VDC, 10mA CONTINUOUS PROTECTIVE CIRCUIT (B)	HOUSEHOLD AND MERCANTILE ALARM
		6V, 4AH GEL (e.g.: No. 485) (D)	6VDC CONTINUOUS: 750mA INTERMITTENT: 2A	(B)	HOUSEHOLD ALARM
			6VDC CONTINUOUS: 500mA INTERMITTENT: 2A	(B)	HOUSEHOLD AND MERCANTILE ALARM
487CH12	17VAC, 20VA (e.g.: No. 1321 TRANSFORMER)	12V, 2.5AH SEALED LEAD ACID (e.g.: No. 584 or BP4) (A)	12VDC CONTINUOUS: 250mA INTERMITTENT: 1.5A (A)	X	HOUSEHOLD AND MERCANTILE ALARM
		12V, 1.2AH GEL (e.g.: No. 484) (D)	12VDC CONTINUOUS: 150mA INTERMITTENT: 1.5A (A)		HOUSEHOLD AND MERCANTILE ALARM
488CH12	18VAC, 30VA (e.g.: No. 1323 TRANSFORMER)	12VDC, 5AH SEALED LEAD ACID (e.g.: No. 630 or BP1) (A)	12VDC CONTINUOUS: 500mA INTERMITTENT: 2A	X	HOUSEHOLD AND MERCANTILE ALARM
		12VDC, 4AH GEL (e.g.: No. 486) (D)			

**NOTES:** (A) Power supply/battery combination shown is capable of supplying 6V. DC, 2A intermittently at terminals 3 and 4, with reduced standby time (for non-UL applications).

(B) Power supply/battery combination shown is capable of supplying 6V. DC, 10mA protective circuit power at terminals 5 and 6, with reduced standby time (for non-UL applications).

(C) When using a No. 487BA or 488BA Battery, two "break-off" links provided at the left side of the Nos. 487CH and 488CH Power Supply housings may be used for optional joining of power supply and battery.

If desired, break off the two links (see diagram) and slide them down into the pair of similarly shaped slots on the power supply's side (No. 487CH or 488CH) or right end (No. 487CH only). Then slide the appropriate battery's matching side or end slots down onto the projecting portions of the links. Plug the battery connector into the charger.



OPTIONAL JOINING OF POWER SUPPLY AND BATTERY

**D** If a gel type battery is used, perform the following:

1. Cut the ORANGE jumper at the left end of the power supply.
2. Connect the gel battery to the power supply with the appropriate cable assembly:  
Use No. 488CB Cable Assembly for Nos. 487CH and 488CH Power Supplies and 6 volt gel type batteries only.  
Use No. 488CB12 Cable Assembly for Nos. 487CH12 and 488CH12 Power Supplies and 12 volt gel type batteries only.

**Caution:** Observe polarity! Connect RED lead to positive (+) battery terminal and BLACK lead to negative (-) terminal. REVERSAL OF THESE LEADS WILL CAUSE DAMAGE TO THE POWER SUPPLY.

## GENERAL INFORMATION:

### Types of Loads:

**CONTINUOUS** loads draw power supply current at all times (e.g.: protective circuits and motion detectors such as ultrasonic, microwave, passive infrared, photoelectric).

**INTERMITTENT** loads draw power supply current only in the event of an alarm condition (e.g.: sounding devices such as bells and sirens).

### Standby Times versus Types of Service:

The standby capability that can be provided by a particular power supply/battery combination in the event of loss of AC power depends on load, battery capacity and other factors. U.L. Standard 603 requires the following minimum standby times:

TYPE OF SERVICE	CONTINUOUS LOADS	INTERMITTENT LOADS
Household	4 hours	4 minutes
Mercantile	4 hours	30 minutes

The power supply/battery combinations shown in the chart herein are rated to comply with the above at the loads shown. Less load will result in longer standby time. In selecting a power supply/battery combination for a particular application, loads, type of service and cost should be considered.

### Shutoff Characteristics:

During a sustained AC power outage, output will be interrupted first at terminals 5 and 6 (on Nos. 487CH and 488CH), thus causing an alarm if this output is used to power a protective loop (per U.L. Std. 603). After this, the rated intermittent loads can still be supplied for the required time shown above.

The main power supply outputs (terminals 3, 4) will be interrupted on all power supplies just before the standby batteries are totally exhausted, thereby preventing damage to the batteries.

TEST SUPPLY AND BATTERY, FULLY LOADED, AT LEAST ANNUALLY, WITH AC INPUT INTERRUPTED AND/OR AS PRESCRIBED FOR EQUIPMENT TO WHICH CONNECTED.

### TO THE INSTALLER

Regular maintenance and inspection (at least annually) by the installer and frequent testing by the user is vital to continuous satisfactory operation of any alarm system.

The installer should assume the responsibility of developing and offering a regular maintenance program to the user as well as acquainting the user with the proper operation and limitations of the alarm system and its component parts. Recommendations must be included for a specific program of frequent testing (at least annually) to insure the system's proper operation at all times.

**ADEMCO**

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