



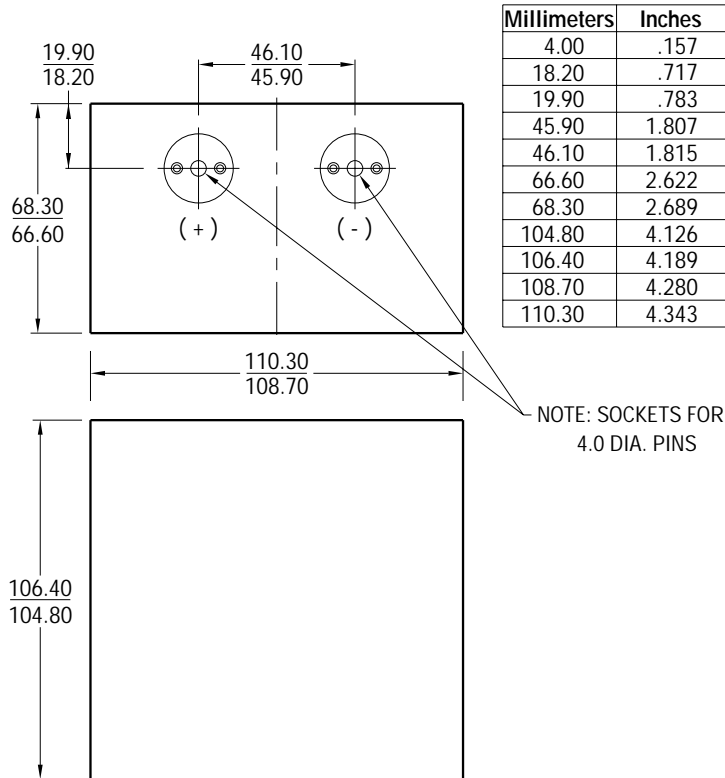
Eveready Battery Company, Inc.  
 Checkerboard Square  
 St. Louis, MO 63164  
 Telephone: 1-800-383-7323  
 Internet: www.energizer.com

## Engineering Data

### EVEREADY NO. 489

*Zinc Chloride 225V  
 No Added Mercury or Cadmium*

Dimensions (mm)



**Chemical System:** Zinc-Manganese Dioxide (Zn/MnO<sub>2</sub>)

**Designation:** ANSI-728, IEC-152F40

**Battery Voltage:** 225 Volts

**Average Weight:** 1.2 kilograms (42.5 oz.)

**Volume:** 800 cubic centimeters (48.8 cubic inch)

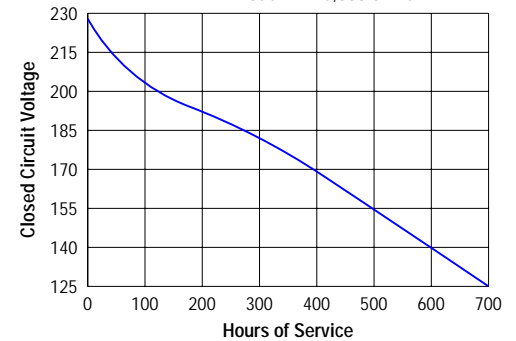
**Average Service Capacity ( to 0.8 Volt / cell ):** 550 mAh  
 ( Rated capacity at 25 mA continuous drain )

**Cells:** One Hundred Fifty Two No. 130 in series

**Jacket:** Paper

#### TYPICAL DISCHARGE CHARACTERISTICS

Schedule: 4 hours/day  
 Typical Drain @ 180V: 0.8 milliamperes  
 Load: 225,000 ohms



#### SIMULATED APPLICATION TESTS Estimated Average Service at 21°C (70°F)

Schedule	Typical Drains @ 180V (watt-second)	Load (ohms)	CUTOFF VOLTAGE	
			380V ( Two batteries in series )	seconds
Photoflash 1 second / minute 1 hour / day	100	Load for two No. 489 batteries in series is RC circuit utilizing 990 microfarad capacitor and 500 ohms resistor.	1,560	

#### IMPORTANT NOTICE

This data sheet contains information specific to batteries manufactured at time of its publication. Please contact your Energizer representative for most current information. Contents herein do not constitute a warranty.