

SENSAPHONE®

REMOTE MONITORING SOLUTIONS

FGD-0070

4-20mA Power Supply with Battery Backup

Description

This device provides two parallel 24V outputs that can be used to power up to two 4-20mA transducers or any 24VDC device that requires battery backup. The unit includes (4) AA NiMh rechargeable batteries that will keep the power supply running for several hours in the event of a power failure. See chart below for typical backup times.

<u>Total Current</u>	<u>Backup Time (est)</u>
10mA	20 hrs
20mA	10 hrs
30mA	7.5 hrs
40mA	5 hrs

Installation

Plug the power adapter into a 120VAC 60Hz outlet. Connect your transducer or other device to the 24V output terminals making sure to observe proper polarity. Slide the power switch to the ON position. The Power and 4-20mA Output LEDs should light up. Power is now being supplied to the output terminals. The batteries will charge continuously as long as the power supply is plugged-in and the power switch is ON. Allow up to 48 hours for the batteries to fully charge. After sufficient charge time, test the power supply by removing the power adapter and making sure the 4-20mA Output LED remains lit. Reconnect the power supply after testing.

Batteries

The batteries should last for 3 - 5 years depending on ambient temperature and the number of charge-discharge cycles. It is recommended that you periodically test the unit by disconnecting the power adapter and making sure that the 4-20mA Output LED remains lit. When the time comes to replace the batteries be sure to use AA size NiMh rechargeable batteries only, rated for 2300 - 2600 mAh. Replacement batteries are also available from Sensaphone - order part number BAT-0027.

Technical Support

If any questions or problems arise upon installation or operation, please contact Sensaphone Technical Support at:

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