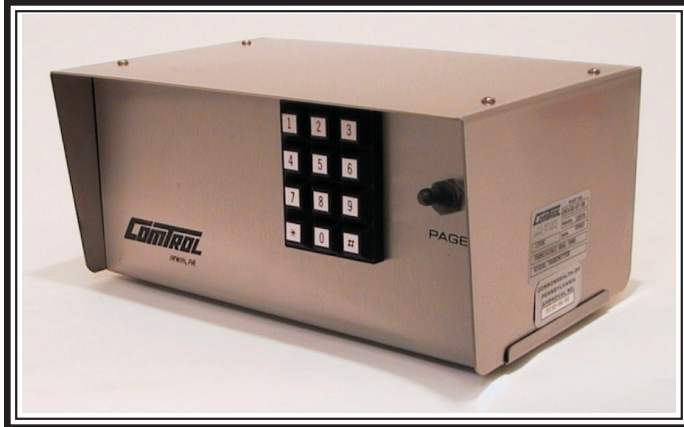




PO Box 306, 500 Pennsylvania Ave., Irwin, PA 15642
Phone: (724) 864-3800, Fax: (724) 864-9358
www.control-corp.com

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DTMF Transmitter



LM2430 DTMF Transmitter

The Control Dual Tone Multi Frequency (DTMF) Transmitter is used in conjunction with Control's DTMF visual receiver or Control's DTMF LoudMouth. This unit was designed to alert personnel, working in high noise locations, of a paging call directed to them. Models are available to extend the LoudMouth line, start other equipment, apply AC power to telephone couplers, or many other control / alert functions.

The visual alarm system is compatible with any standard mine paging system and operates from its own independent power source. The transmitter can be used to call any unit, "Group Call" up to 10 units, or "All Call" every unit. The unit requires a DC paging voltage to energize. This feature extends battery life. The encoder/decoder can be two of seven (E7) or two of eight (E8). The standard is (E7).

Features:

- Selective DTMF transmitting.
- Accommodates up to 9999 locations.
- "All Call" or "Group Call".
- Remote reset of receivers.
- Dual NEDA 926 batteries for extended service or intrinsically safe power supply.
- Operates with Control's 12 VDC LoudMouth pagers.
- Screw terminals for page line connection.
- Minimum current drain.
- MSHA approved.
- Pennsylvania approved.
- Field proven.
- Stainless steel construction, Type 304 brushed finish.
- One printed circuit board.

Model	Dimensions	Weight
LM2430-E7-DB (with two batteries)	11.25" H x 7.375" W x 5.5" D 286mm x 187mm x 140mm	12.5 pounds 5.67 kilograms
LM2430-E7-PS (without batteries)	11.25" H x 7.375" W x 5.5" D 286mm x 187mm x 140mm	6.5 pounds 2.95 kilograms

Models Available	
LM2430-E7-DB	Powered by NEDA 926 batteries
LM2430-E7-PS	Powered by Control PS1510 or PS1510A intrinsically safe power supply

Specifications LM2430	
POWER	Two 12 VDC NEDA 926 batteries or intrinsically safe power supply
CURRENT REQUIREMENTS	Stand by 0 ma DC Page 350 ma to 200 ohm load for 2 seconds Signal 75 ma for 2 seconds
PAGING VOLTAGE	12 VDC
PAGING CURRENT	Up to 350 ma depending upon the number of pagers
SWITCHES	Page switch
PHONE LINE LOAD	17,000 ohms DC 4,500 @ 1 kHz 100,000 ohms @ 100 kHz
TEMPERATURE RANGE	-22° Fahrenheit to +140° Fahrenheit -30° Celsius to +60° Celsius
PHONE LINE POLARITY	Either [bridge rectifier circuit]
ENCODER	E7 (Standard): two of seven E8 : two of eight
CONTROLS	Pot 1..... Dual tone decoder receiver line level
COMPATIBILITY	Can be used with any 12-volt pager system