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DTMF Visual Receiver



LM2431X*F Visual Receiver

The Control Dual Tone Multi Frequency (DTMF) Visual Receiver is used in conjunction with Control's DTMF transmitter 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 or 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

Features:

- Selective receiving.
- Adjustable timer up to 10 minutes.
- Accommodates up to 9999 locations.
- High intensity intrinsically safe light.
- "All Call" or "Group Call".
- Remote reset.
- Dual NEDA 926 batteries for extended service.
- Operates with Control's 12 VDC LoudMouth pagers.
- Spring loaded push terminals for page line connection.
- Minimum current drain.
- MSHA approved.
- Pennsylvania approved.
- Field proven.
- Easy decoder switch selection.
- Stainless steel construction, Type 304 brushed finish.
- One printed circuit board.

Model	Dimensions	Weight
LM2431X VISUAL RECEIVER	13" H x 7" W x 8.5" D 330mm x 178mm x 216mm	12 pounds (with two batteries) 5.44 kilograms

Options Available	
LM2431	This is the basic Part Number
X	Indicates one printed circuit board
D2	Indicates a two digit number code
ISL4	Features the brightest intrinsically safe light
T10	Timer is set to turn off in ten minutes
SA	Sonalert
DDS	Indicates a dual decoder switch for easy changing of the code numbers
KO	Relay output

Models Available	
LM2431*E	LM2431X-D2-ISL4-T10-DDS
LM2431*F	LM2431X-D2-ISL4-T10-SA-DDS
LM2431*G	LM2431X-D2-ISL4-T10-KO-DDS
LM2431*H	LM2431X-D2-ISL4-T10-SA-DDS-KO

Specifications LM2431X	
POWER	Two 12 VDC NEDA 926 batteries
BATTERY REQUIREMENTS	Stand by 0 ma DC detection 23 ma, 5 seconds Signal 72 ma, 10 minutes
CURRENT REQUIREMENTS	Dependent upon receiver options
PHONE LINE LOAD	17,000 ohms DC 4,500 @ 1 kHz 100,000 ohms @ 100 kHz
PHONE LINE POLARITY	Either [bridge rectifier circuit]
ENERGIZE SENSITIVITY	Solid state Picks up at 2.5 VDC or higher Drops out after 5 seconds
CONTROLS	Pot 1..... Dual tone decoder receiver line level