



ROVER-1™ INFRARED EMITTER PANELS

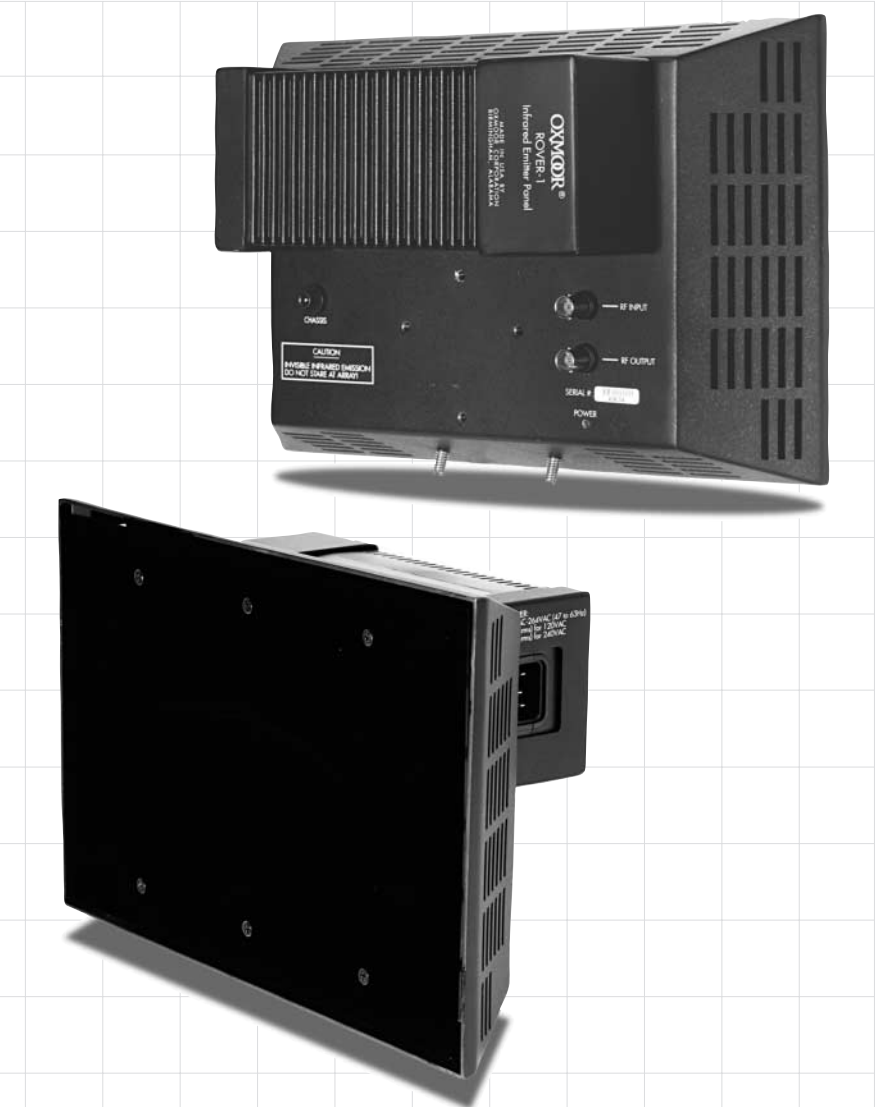
Oxmoor Corporation, LLC's ROVER-1 Infrared Emitter Panels simplify the design requirements for Infrared transmission in large facilities. This Infrared Emitter Panel is ideal for applications where different audio programs are required in adjacent rooms.

The 216-diode array is designed to cover large floor areas of approximately 13,000 to 15,000 square feet. It is ideal for use in churches, auditoriums, conference centers and other facilities of this size.

ROVER-1 is housed in an attractive black textured metal enclosure with a thermoplastic front. Mounting is accomplished through four threaded bolts on the rear of the unit. This mounting system provides for easy installation on most surfaces.

ROVER-1 has an IR transmission bandwidth from 95 kHz through 3 mHz. It requires a single AC power connection between 100 VAC and 230 VAC, and a modulated RF connection made through a BNC style connector. With an input impedance of 25 k at 95 kHz, multiple units can be parallel and driven from a single modular channel.

ROVER-1 provides an automatic on and off feature. When using either a 95 kHz or 250 kHz carrier frequency, the standard frequencies used for hearing impaired applications, an internal jumper can be set to detect the carrier. The unit turns itself off when the carrier is not present, which greatly extends the life of the emitter panels.



Front and Rear View of Oxmoor's ROVER-1

ROVER-1 can be used with any standard IR Receiver that operates between 95 kHz and 250 kHz.

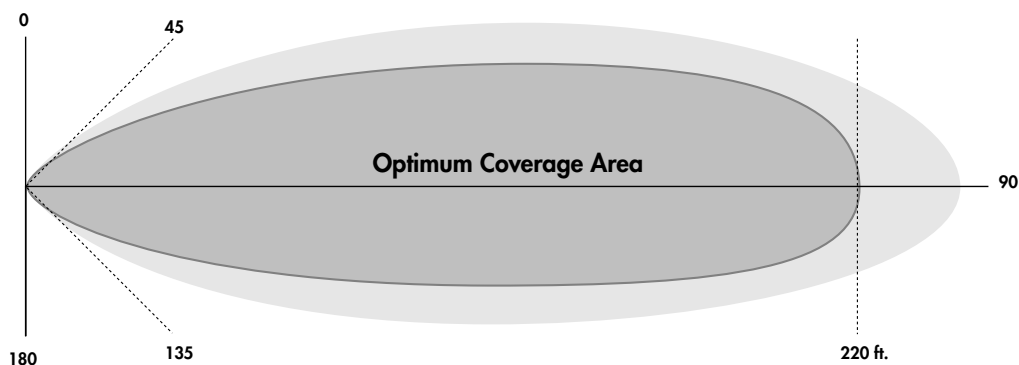
The Emitter Panel is ideal in applications where adjacent rooms open into one large room, as in a room combining application. The panels can be synchronized by using the Oxmoor PIR-88M Eight-Channel Programmable Infrared Modulator.

For more information on any Oxmoor product, please contact the Oxmoor Sales Department. Or download complete product brochures and manuals at our website: www.oxmoor.com.

ROVER-1™ SPECIFICATIONS

INPUT TYPE	RF
INPUT CONNECTOR	BNC
INPUT IMPEDANCE	25 k Ohms at 95 kHz
MAXIMUM CARRIER FREQUENCY	3 mHz
MAXIMUM RF INPUT LEVEL WITH 50 OHM LINE TERMINATION	3 Vpp (13.5 dBm)
NUMBER OF DIODES	216
IR OUTPUT	7.5 W / Steradium, On Axis
WAVE LENGTH OF RADIATED INFRARED LIGHT	880 nm
AUTOMATIC ON/OFF FUNCTION, INTERNAL JUMPER SELECT	Carrier Detect for 95 kHz and 250 kHz
STORAGE TEMPERATURE	0°C to 70°C
OPERATING TEMPERATURE	10°C to 50°C
HUMIDITY	80% Max., Non-condensing
AC POWER	90-264 VAC, 65 Watts, 47 to 63 Hz
PACKAGING	Metal Enclosure with Thermoplastic Front
MOUNTING	4 Threaded Bolts on Rear of Unit
DIMENSIONS	203mm H x 311mm W x 108mm D (8 in. H x 12.25 in. W x 4.25 in. D)
WEIGHT	2.0kg (4 lb. 5 oz.)

Free Field Polar Pattern For Rover-1



Specifications subject to change without notice.

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