



20 Watts to 30,000 Watts

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- On board over current, over voltage, over temperature and reflected power (SWR) protection
- Remote control interface
- Major components easily field replaceable
- Support after sale with qualified technicians available to keep you on the air

FM SERIES

The e. I. marsden wireless, inc FM Series

The FM Series from elmwi covers the power ranges from 20W to 30KW . These solid state transmitters have many control and protection features seldom found in equivalent equipment. Each Output Power Amplifier has multiple internal amplifier cards. On board protection against over current, over voltage and over temperature and reflected power (SWR) is provided in each Output Power Amplifier. Each power amplifier has its own +50V power supply. The combination of all of these protection features provides the user with a high level of “on-the-air” reliability.

The transmitter utilizes a solid state FM Exciter. A remote control interface is standard with the transmitter, allowing for a rapid connection to the user’s remote control system.

Whenever possible, all active components have been located on printed circuit boards to make fieldservice easier and quicker, thus assuring a minimum of down-time for equipment maintenance. All of the major components, such as transformers, capacitors, and power resistors are easily field replaceable and are readily available from either the original manufacturer or from e. I. marsden wireless, inc.

Every aspect of this equipment meets or exceeds the FCC specifications in effect as of the date of manufacturer. Only reliable, high quality components have been used throughout this equipment. Should you ever need assistance, however, qualified technicians are available to help you keep the equipment on the air. The Technical Support telephone number is shown on the front of this brochure.

Virtually all of the metering and control circuitry is built with precision components, eliminating the need for numerous adjustments and compensating circuitry. Light emitting diodes (LEDs) give a quick, visual indication of the condition of the transmitter and, in most instances, will help isolate a fault to a particular area within the circuitry. Digital panel meters give accurate readings of the important voltages and currents associated with each final amplifier. In addition to the extensive circuit protection circuitry, high power components have been utilized to ensure that the equipment will give good service under adverse conditions. Dual redundant exciters are one of the available options in the FM Series.

