TM20 Radio Transmitter Modules

Compact 4 input transmitter. Universal analog or digital inputs.



FEATURES

- **Compact Size**
  Compact design with mounting tabs integrates easily into control panels.
- **Universal Inputs**
  Reads voltage input signal up to 30 Vdc. Receiver (RM20) outputs scaled according to receiver configuration.
- **External antenna**
  Replaceable "stubby" antenna for maximum range. Other antenna options also available including cabled versions.
- **Reliable communication**
  2.4GHz and 900MHz models for long-range reliability. 433Mhz fixed frequency version also available for compatibility with economy transmitters.
- **Cost Effective**
  Value priced, simple receiver for controlling up to four loads.

ORDERING INFORMATION

T☐M-20

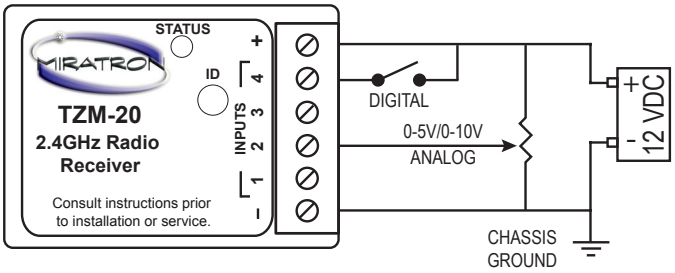
Radio

E	900MHz, Extended range
N	900MHz, Standard range
Z	2.4GHz, Standard range
F	433MHz, Fixed frequency

OPERATION

- **Inputs**
  Four inputs accept 0-30vdc signals. Input voltages up to 12vdc are interpreted as analog signals. Input voltages from 10 to 30vdc are interpreted as digital (on/off) inputs. Inputs may be used for reading joysticks, potentiometers, sensors, switches or other low-voltage dc devices. Transmitter input and receiver output scaling may be specified using the TM20/RM20 configuration guide.
- **Addressing**
  A 16-position rotary switch is provided for applications where multiple transmitters (up to 16) are to communicate to a single receiver. The selector switch allows each transmitter to have a field-selectable unique "ID" number.

WIRING



Consult installation manual prior to installation or service.

SPECIFICATIONS

Power	Power Supply	12 to 24 VDC, 100mA max. plus load current
Outputs	TM20	4 inputs. Factory configurable analog or digital.
	Input voltage range	Digital: 12-30vdc, Analog: 0-10vdc
Enclosure		Thermoplastic, 3" w x 2.75"h x 1" d, with molded-in mounting brackets

		RANGE	
MODEL	FREQUENCY	INDOOR/URBAN	OUTDOOR LINE OF SIGHT
TEM20	902-928MHz, FHSS	1,000'	Up to 3 miles with Yagi antenna
TNM20	902-928MHz, FHSS	300'	1,000'
TZM20	2.4GHz, DSSS	300'	1,000'
TFM20	433MHz, Fixed	30'	100'