

TMR1F

Features

The TMR1 Telemetry Messaging Receiver is one way Paging device with output ports which is used as a low cost device to receive data or control equipment. This module is suitable for wireless control systems and wireless automation devices and suitable for many telemetry & control applications

Municipalities

- Irrigation
- Lighting
- Traffic Signaling and Signs
- Traffic Warning Systems

Industrial/Commercial

- HVAC Control
- Utility Control
- Equipment Control
- Building Control
- Vending Machine
- Electronic Billboards
- LED Displays

Automotive

- Vehicle Function Control
- In-Vehicle Messaging
- Car Theft Prevention

Telemetry Messaging FLEX™ Receiver



TMR1 Telemetry Messaging Receiver comes either as a module or in our practical and robust casing.



With housing
Without housing

Onboard antenna BNC connector DSX connector

Specifications

Dimensions:	With housing 90 x 80 x 27mm(L x W x H) Without housing 50 x 57 x 15mm(L x W x H)	EIA Selectivity:	VHF/280MHz > 50 dB 900MHz > 40 dB
Weight:	With housing 55 grams Without housing 20 grams	Image & Spurious Rejection:	VHF/280MHz > 50 dB 900MHz > 40 dB
Operating Frequency:	VHF 135 – 175 MHz 280MHz 278 – 286 MHz 900MHz 929 – 932 MHz	Intermodulation Rejection:	VHF/280MHz > 50 dB 900MHz > 40 dB
Paging Protocol:	FLEX 1600/3200/6400 bps	Inputs / Outputs:	x2 DC Power Supply Inputs +3-5V or +8-15V x1 TXD Output for Serial Data Operation RS232 or TTL Output x1 RXD Input for Serial Data Operation RS232 or TTL Output (not supportable for current version)
Supply Voltage:	To pager system 3V-5V, 8V-15V To interface circuit 3V-15V	Serial Port Baud Rates:	2400, 4800, 9600, 19200 (Bps)
Current Drain (with 3V supply voltage):	Peak Receive, I/O at high impedance 15 mA Receive Off, I/O at high impedance 4 mA Maximum Allowable B+ Current 1 A	8 Customer Configurable Outputs:	2 ports at 1A, 6 ports at 100mA
Operating Temperature:	VHF & 280MHz -10 to +50 °C 900MHz +5 to +40 °C	RF Input:	Current Source (logic 1) and Sink (logic 0)
Storage Temperature:	-40 to +80 °C	Pin Connector Interface:	Internal built-in Antenna OR External with BNC or OSX female connector
Page Sensitivity: (@ 6400 Baud)	VHF/280MHz -104dBm (c.f. 22.5dB) 900MHz -104dBm (c.f. 22.5dB)	Programming Interface:	20-pin Male Connector for voltage supply, RS232, TTL, 8 I/O's and programming 4-pin pads used with Parallel Programming (Kit available from Daviscomms) OR 20-pin Male Connector



TB2-900B
Optional External
Antenna (BNC)
for 900MHz Model



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