

TMR1P

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

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)
Weight:	With housing	55 grams
	Without housing	20 grams
Operating Frequency:	VHF	135 – 175 MHz
	UHF	452 – 468 MHz
	900MHz	929 – 932 MHz
Paging Protocol:	POCSAG	
		512/1200/2400 bps
Supply Voltage:		3V~5V or 8V~15V
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
Operating Temperature:	VHF & UHF	-10 to +50 °C
	900MHz	+5 to +40 °C
	Storage Temperature:	
Page Sensitivity:	VHF/UHF	-107dBm (c.f. 22.5dB)
	900MHz	-104dBm (c.f. 22.5dB)

EIA Selectivity:	VHF/UHF	> 55 dB
(@ 25kHz)	900MHz	> 40 dB
Image & Spurious Rejection:	VHF/UHF	> 50 dB
	900MHz	> 40 dB
	VHF/UHF	> 50 dB
	900MHz	> 40 dB
Intermodulation Rejection:		
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)
Serial Port Baud Rates:		2400, 4800, 9600, 19200 (Bps)
8 Customer Configurable Outputs:		2 ports at 1A, 6 ports at 100mA
RF Input:		Current Source (logic 1) and Sink (logic 0)
		Internal built-in Antenna OR External with BNC or OSX female connector
Pin Connector Interface:		20-pin Male Connector for voltage supply, RS232, TTL, 8 I/O's and programming
Programming Interface:		4-pin pads used with Parallel Programming (Kit available from Daviscomms)
		OR 20-pin Male Connector



Telemetry Messaging POCSAG Receiver



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



With housing
Without housing

Onboard antenna BNC connector OSX connector

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