DAVISCOMMS

TMR1F

Features

The Daviscomms Telemetry Messaging Receiver is a 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 has been used around the world for applications like -

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

FLEX™

Daviscomms 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

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

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	EIA Selectivity:	VHF/280MHz	> 50 dB
	Without housing	20 grams	(@ 25kHz)	900MHz	> 40 dB
Operating Frequency:	VHF	135 – 175 MHz	Image & Spurious Rejection:	VHF/280MHz	> 50 dB
	280MHz	278 – 286 MHz		900MHz	> 40 dB
	900MHz	929 – 932 MHz	Intermodulation Rejection:	VHF/280MHz	> 50 dB
Paging Protocol:	FLEX			900MHz	> 40 dB
	1600/3200/6400 bps		Inputs / Outputs:	x2 DC Power Supply Inputs +3~5V or +8~15V	
Supply Voltage:	To pager system	3V~5V, 8V~15V		x1 TXD Output for Serial Data Operation RS232 or TTL Output	
	To interface circuit	3V~15V		x1 RXD Input for Serial Data Operation RS232 or TTL Output	
Current Drain (with 3V supply	Peak Receive, I/O at high impedance 15 mA			(not supportable for current version)	
voltage):	Receive Off, I/O at high impedance	4 mA	Serial Port Baud Rates:	2400, 4800, 9600, 19200 (Bps)	
	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	RF Input:	Current Source (logic 1) and Sink (logic 0)	
	900MHz	+5 to +40 °C		Internal built-in Antenna OR External with BNC or OSX female connector	
Storage Temperature:	-40 to +80 °C		Pin Connector Interface:	20-pin Male Connector for voltage supply, RS232, TTL, 8 I/O's and programming	
Page Sensitivity:	VHF/280MHz	-104dBm (c.f. 22.5dB)	Programming Interface:	4-pin pads used with Parallel Programming (Kit available from Daviscomms)	
(@ 6400 Baud)	900MHz	-104dBm (c.f. 22.5dB)		OR 20-pin Male Connector	