TWP

Industrial Two Way Pager Wireless Data Transceiver

Features

- Use ST2 and TWP to Automatically Send Meter Readings by Email
- Wireless Communications Over ReFLEX Two Way Paging Network
- Request Information From SUPERtrol II on Demand, by Exception or on a Scheduled Basis
- Low Cost Solution for Moderate Message Lengths
- Up to 500 Bytes of Data per Transmission
- Confirmed Message Delivery
- Check Meter Readings Over Internet or Pager

APPLICATIONS:
Remote Wireless Metering Applications
Fixed Telemetry
Call Out/Call In capabilities to a host system

DESCRIPTION:
The TWP is a two way wireless data transceiver intended for applications where ReFLEX Two-Way Wireless Messaging will be used in remote metering applications using SUPERtrol II flow computers.

The TWP is intended for fixed telemetry applications requiring moderate message length wireless communications.

TWP can initiate a transmission as well as receive and store a transmission. Messages are loaded/sent and received/read using a RS-232 Port and CLP communication linking protocol commands.

USER WIRING TERMINATIONS:
RS-232 Port Pin Assignment

1 DO NOT USE
2 RECEIVE (IN)
3 TRANSMIT (OUT)
4 DO NOT USE
5 SIGNAL GROUND
6 DO NOT USE
7 BIAS
8 DC POWER –
9 DC POWER +

Ordering Information

EXAMPLE TWP N W 6ST2

Series
TWP = Two Way Pager
Enclosure
N = NEMA4X
Antenna Type
X = None
W = Internally mounted Dipole Whip (std)
R = Internal Radome with 5' Antenna Cable
Interconnecting Cable
6ST2 = 6 foot ST2 Cable (other lengths available)
Accessories
TWP-AMK = Antenna Mounting Kit for Radome Antenna

SPECIFICATIONS:

Antenna:	Internal Dipole antenna Optional External Antenna and Antenna Mounting Kit Accessory (or customer supplied)
Antenna Connection:	External Female SMA Connector
Transmitter Specifications	
Frequency	ReFLEX NBPCS Networks (901-902MHz)
RF Power Output at Antenna Port	1.75 – 2.0 Watt
Transmit Data Bit Rate	ReFLEX 25 9600 ReFLEX 50 9600
Frequency Stability	1 ppm on transmit
Receiver Specifications	
Frequency	929-942 MHz
Receive Data Bit Rate	6400 bps
Receiver Sensitivity	-115 dBm
Serial Input Connection:	
Connector:	DB9-M
Electrical:	RS-232 with power connection
Protocol:	Motorola CLP – Communications Linking Protocol
Power Consumption:	
Primary Voltage:	7-12 VDC
Standby/Transmit Power:	6 VDC Sealed Battery
Standby Operation	50 mA
Receive	150 mA
Transmit	1.5 A
Battery	Rechargeable battery provided
Reverse Polarity Protected	
Overcurrent Protected	
EMC filtered	
Environmental:	
Enclosure Rating:	NEMA-4X
Dimensions:	3.5" x 4.75" x 8"
Operating Temperature:	0 to +70C
Storage Temperature:	-40 to +85C
Humidity:	0-95% Non Condensing
Approvals:	FCC
Mounting Cautions and Hazards:	Mount antenna in a location where people will not come within 12" during use