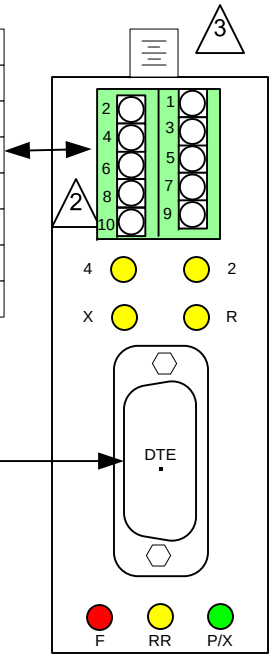
View from Front

Pin	Description
1	Configuration Mode Select
2	Power (-)
3	Enable 3 wire RS232 Mode
4	12/24 Volt DC Power (+)
5,6	RS485 Shield / Common
7,8	RS485 (-)
9,10	RS485 (+)



RS232 Connection
to
DC, DH, ICS, PLC,
Computer, etc.

1

Configuration Options

1 - 5 = Configuration mode selected
3 - 5 = 3 wire RS232 Mode

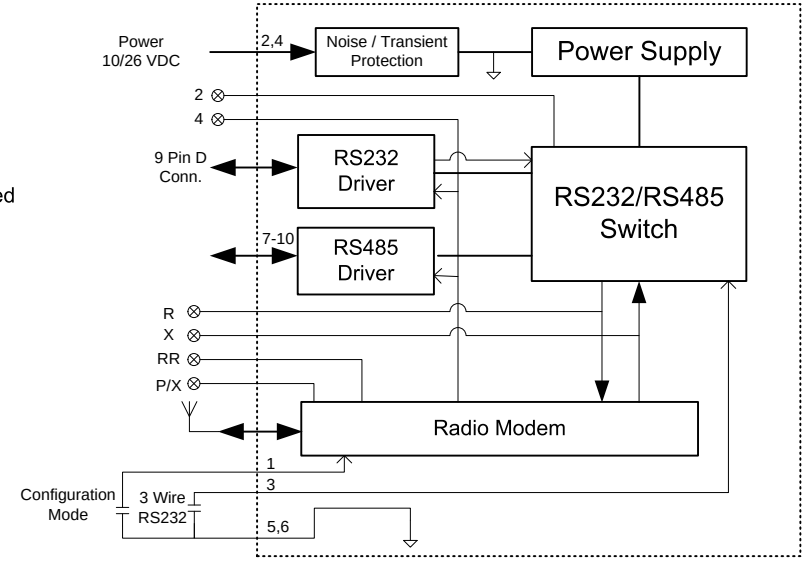
Factory Default

RS232 mode ; Flow control enable
Baud = 9600, 8,N,1

Pin Assignments

Def	Pin #
CD	1
TX	2
RX	3
DSR	4
GND	5
DTR	6
CTS	7
RTS	8
NC	9

Simplified Schematic



Indicators

LED	Description
4	RS485 Mode (See chart at right)
2	RS232 Mode (See chart at right)
X	RS232/RS485 Transmit. Flashes when characters sent to connected device from the radio.
R	RS232/RS485 Recieve. Flashes when characters received from connected device.
F	Failed. Indicates power too low or failure of module.
RR	Radio Receive. Flashes with each character received by radio.
P/X	Power / Radio Transmit. Indicates power to radio. Flashes when radio transmitting.

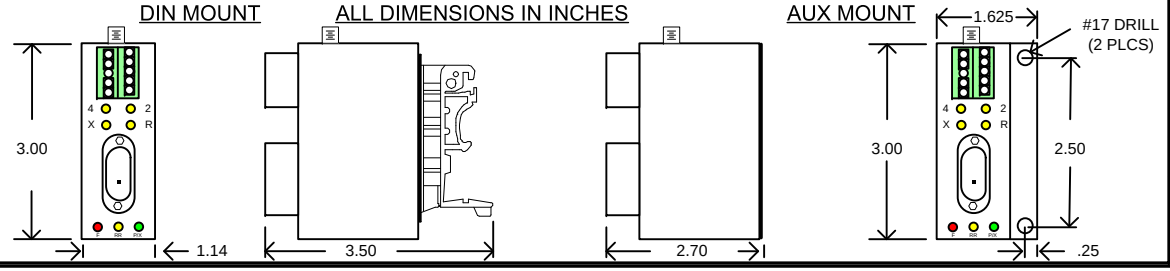
Diagnostics

LED 4	LED 2	Description
Off	Off	Factory Default
On Flashing Off	Off	RS485
Off	On	RS232 with correct cable connection.
On	On	Configured for RS485 and RS232 cable is connected.

Notes:

1. RS232 Connector is 9 Pin Female. Use nulled cable to interface with AGM DH.
2. RS485 is 2 wire, half duplex. Add120 ohm termination resistor to both ends of twisted wire pair if wire length longer than 50 feet.
3. Antenna connection is Reverse SMA. Use only FCC compliant antenna.
4. Device complies with Part 15 of the FCC Rules.
5. For wire length greater than 50 feet, use standard approved methods for protecting lines from transients.
6. Use a 9 Pin Male to Female cable to connect radio to AGM Data Controller, DCE (A) port

DIN MOUNT ALL DIMENSIONS IN INCHES AUX MOUNT



Signature		Date
Drawn By	JV	05/14/04
Checked By	RF	05/14/04
Engr Appvd	KH	05/14/04
QC Apprvd	NT	05/14/04
Contract No.		

AGM Electronics. Inc.
Tucson, Arizona

Wiring and Schematic Diagram

Spread Spectrum Modem
DIN / AUX 5017-1

Code ID No.	Size	Part No.	Rev
	A	WSD - 20425-3	A
Scale - None	Wt		Sheet 1 of 1