

Product Update

New Feature

Due to a few requests, we can now get alarm status data back in the RS232 String. There will now be 9 bytes received when polling data the 8th byte will come back as :-

- 00 = No alarm
- 01 - Alarm High level
- 02 = Alarm Low level

By capturing this data it can be used to turn on/off pumps or open/close valves.

RS 232 Protocol

V2 identified on the D110 as firmware 1.07b and above

Request Tank status

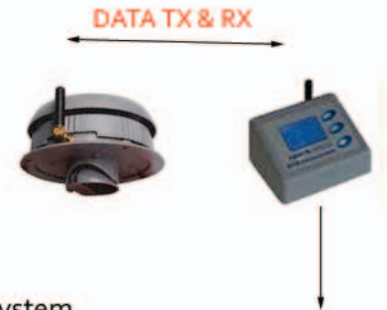
4 bytes in Hex "02 01 01 0D"

- Byte 1 02 (STX)
- Byte 2 01 (type T110)
- Byte 3 01 (tank sensor Number 01 to 06)
- Byte 4 0D (Carriage return)

Returned Data

Example of response in hex always returns 8 bytes: "02 01 DF 36 04 16 01 00 0D"

- Byte 1 02 (STX)
- Byte 2 01 Tank number 1 (Tank number 01 to 06)
- Byte 3 DF (Sequential number from 00 to FF, increments for each new reading wraps around to 00 when FF reached)
- Byte 4 36 54% Full (Tank level 00 to 64 =- 0 to 100%, if a value of hex 80 is returned this equals unknown or invalid reading.)
- Byte 5 04 Full Signal (Signal strength 00 to 04 , corresponds to signal level displayed on receiver)
- Byte 6 16 22 Deg C (00 to 3C = 0-60 Deg. F5-FF = -10-0 Deg. 80 an invalid temperature reading)
- Byte 7 01 Battery OK (Battery state, 00 state unknown, 01 battery OK, 02 battery needs replacing)
- Byte 8 00 No Alarm (Alarm State, 00 No Alarm, 01 Alarm High, 02 Alarm Low)
- Byte 9 0D (Terminator)



Control System

RS 232 data link, 2 way script already done for
Axiom R4 ,Bitwise, Geni,Push, Control 4, Crestron. (RTI coming soon)

New Accessory

AQ930 Omni Booster Antenna

Aquatel's custom made 7 Element Yagi Antenna complete with 3.6m (12 foot) cable and RP-SMA connector, guarantees to give you the best performance possible when used with our products. The Antenna gives up to 10 dbi gain and should always be mounted on a mast or roof at least 1.5m (5 feet) above the ground. This Antenna will increase your effective range up to 10km (6 miles) if used at both ends. The AQ920-7 Antenna is tuned to our products frequency hopping band, designed for use within the Middle East, Asia, USA, Europe, Australia & New Zealand.

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