

1.3.2 External Connector

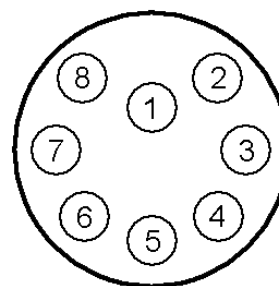
The VR2C uses a submersible connector (SubConn PN: MCBH8M) to allow for a cabled interface to a customer PC, a third-party data logger, a modem, or other supported host device.

The VR2C external connector supports both RS232 and RS485. By using an RS232 or RS485 cable, communication with the VR2C can occur through either serial interface, although not both at the same time. Specifications for the cable are found in section 4.2. RS232 communication can only be used for cables that are less than 15.2 m (50 feet).



The VR2C connector pin-out, as shown from the external view, is listed below.

VR2C external connector pin-out	
Pin #	Function
1	External DC POWER -
2	RS485 D+
3	External DC POWER +
4	RS485 D-
5	RS232 TX (from host to VR2C)
6	RS232 RX (from VR2C to host)
7	CGND
8	No Connect



Face-on View
(looking into pins)



Never deploy the VR2C with the connector exposed. It must be connected to a cable or the Subconn dummy plug when deployed.

1.3.2.1 External Power

The VR2C external connector allows for the receiver to be powered from an external power source. The external power specifications are:

External DC Voltage: +10 volts to +32 volts

Typical Power Consumption (@12V): 2 – 15 mA (Record Mode)