

MODEL 50386R/D Receiver/Decoder

General Description

The HydroLynx Model 50386R/D Receiver/Decoder provides an intelligent decoder that combines the effectiveness of the standard ALERT Receiver/Decoder with the utility of the 50386. The Alert Receiver/Decoder receives ALERT data transmissions from the remote site and provides an RS232 output to the central site computer. The 50386 Decoder features multiple communication pathways and the ability to process and re-format data. This enables data sharing across various data collection systems.

As an intelligent decoder, the 50386D validates the data, in the formats that are enabled, before processing the data for output. These formats include standard ALERT, Enhanced IFLOWS, ASCII text, ScadaLynx and Modbus. As part of the processing, the 50386D has a programmable list of ID numbers to compare received reports ID numbers and decide whether to output the data.

The Receiver and Decoder are housed in separate enclosures which allows the Receiver to be located near the antenna tower and the Decoder to be placed at the central site location. Locating the Receiver at the Antenna tower reduces the length of the RF transmission line and the associated RF signal loss, and eliminates the potential damage due to lightning entering the central site on the RF transmission line.

HydroLynx recommends the use of a high gain omni antenna at the central site receive tower to increase radio path fade margins. Antenna and RF transmission line cables are ordered separately (refer to the Antenna and Antenna Cable Sections).

Specifications

Model 50386R

Enclosure:..... Desktop
 Radio specifications:..... See RTR specifications
 Power Required: 12 Vdc
 Standby Current:..... 65 mA
 Transmit Current Drain: 2 Amps
 Battery:..... 12 Vdc, 12 AH
 Charger:..... 120 Vac, 0.2 A
 Antenna Input Connector(s):... N-type female lightning arrester
 Audio output:..... 800 mVpp, Typical
 Operating temperature: -40 to 60 °C
 Humidity:..... 0 to 95 %, non-condensing
 Size:..... 7.25 in. x 2.75 in. x 9 in.
 Weight: 3 lbs.

Model 50386D

Enclosure: Desktop
 Decoder processor: See 50386 specifications
 Power required: 10 to 16 Vdc
 Current drain:..... < 150 mA
 Input: 6 pin MS male Rotated
 Output:..... Two, Four or Six DB25 RS232 female
 Operating temperature:..... -40 to 85 °C
 Humidity:..... 0 to 95 %, non-condensing
 Size:..... 7.25 in. x 2.75 in. x 9 in.
 Weight: 3 lbs.

Ordering Information

50386R/D Receiver and Decoder in two desktops with AC
 Battery charger for Receiver, AC/DC Power
 Supply for Decoder and 25 ft. Interconnecting Cable
 50386R Receiver Only
 50386D Decoder Only

Specify receive radio frequencies.

Options

5073TBX 50386 Toolbox Software



Model 50386R/D Receiver/Decoder