

i.Report Cellular Global Remote Telemetry Model VP3-2290



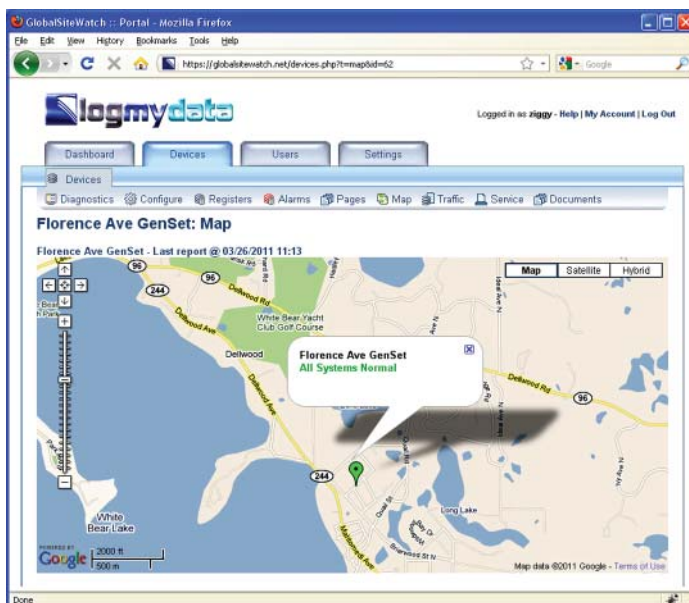
CONTROL SOLUTIONS, INC.
MINNESOTA



Control Solutions' i.Report Cellular Global Remote Telemetry Unit, Model VP3-2290, offers an array of advanced features for remote alarm monitoring and data logging. The VP3-2290 is designed for use with remote monitoring web servers such as Control Solutions' LogMyData® web portal.

DEVICE FEATURES:

- 4G LTE Cat 1, 3G, or CDMA cellular data modem
- Optional GPS receiver and second antenna connector
- Modbus RTU master/slave port
- CAN 2.0b J1939 Engine monitoring port
- Programmable soft PLC included
- Battery backed real time clock
- Over the air control
- Over the air firmware update
- 12 Universal inputs
 - 0-10VDC, thermistor, dry contact
 - 0-30VDC range on 2 inputs for battery monitoring
 - 4-20mA with external resistor
 - 16-bit sigma-delta converter, self calibrating
- 8 Discrete inputs
 - Voltage sense or dry contact closure to ground
 - Pulse count capability on 2 inputs
- 2 Discrete outputs
 - 30VDC 1A open drain FET
- Internal temperature sensor
- Hardened RS-485 serial port (Modbus RTU)
- USB port (connects to laptop for service)
- 32-bit ARM7 processor, 512K Flash
- 128K EEPROM for configuration storage
- Operates from 10-30VDC or 12-24VAC, 0.5A @ 24VDC
- DIN rail mounting, 100mm H x 105mm W x 60mm D
- Operating Temperature 0-70°C (-30 to +70°C optional)

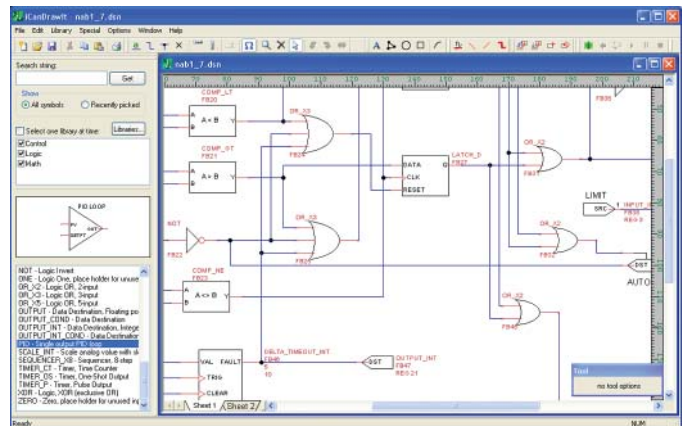


**i.Report Cellular
Global Remote Telemetry
Model VP3-2290**



The VP3-2290 includes a CAN/J1939 port for applications such as engine monitoring. The VP3-2290 can receive any standard J1939 message, including transport protocol. The VP3-2290 can initiate data read requests. The VP3-2290 can transmit J1939 messages sending data provided by the web portal or derived internally. Message construction is completely configurable, and transport protocol is supported in both directions.

The i.Report VP3-2290 includes a field programmable soft PLC. Control Solutions' i.CanDrawIt® graphical programming tool is used to easily create programs. Connect a PC via the VP3-2290's USB service port for live program debugging.



Control Solutions' i.Report Model VP3-2290 Global Remote Telemetry Unit is ideal for demanding remote alarm monitoring and data logging. The VP3-2290 uses 4G LTE Cat1, 3G or CDMA cellular data modems for connecting to a central server via IP connection.

The VP3-2290 includes 12 hardwire sensor inputs, which are universally configurable as analog, temperature (thermistor), or discrete/dry contact inputs. Two inputs have a 30V input range for directly monitoring batteries. The VP3-2290 includes 8 discrete inputs, 2 with pulse count capability. The VP3-2290 also includes 2 discrete outputs for functions such as generator start on command or local alarm indicator.

The VP3-2290 includes a Modbus RTU port which may operate in master or slave mode. The VP3-2290 may poll multiple Modbus slaves to greatly expand I/O capability. The VP3-2290 may also operate as a slave allowing a PLC in a larger system to write data to the VP3-2290.

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