# Autonomous Alarm Notification

## SCADADroid R2+NM

## Full Feature Capability

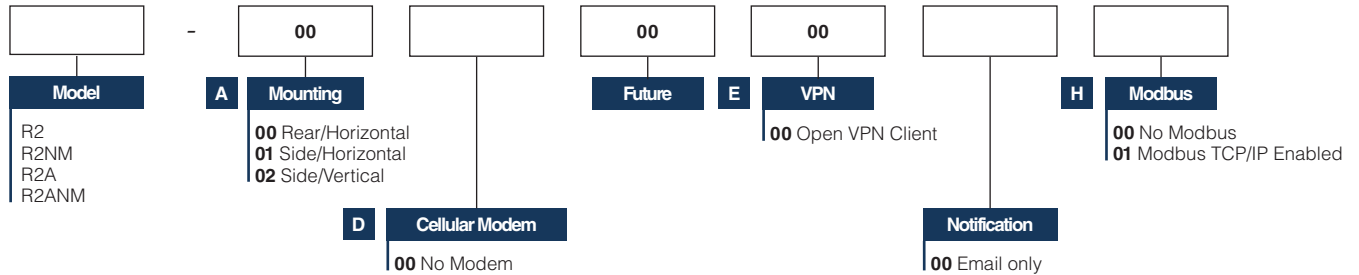| | |
|---|---|
| ✓ | v with existing SCADA communications |
| ✓ | Remote access via VPN, MQTT and ReST |
| ✓ | Notify with onboard DI's and/or as ModbusTCP Master* |
| ✓ | Notifications with Email |
| ✓ | Browser based configuration on smartphone, tablet, or PC |
| ✓ | Smartphone app for Android and iOS |
| ✓ | Unlimited phone/address book and shift schedule integration |
| ✓ | 8 on board Discrete Inputs, 1 Discrete Output |
| ✓ | Reporting function (CSV, PDF, and JSON formatting) |

*optional

## Applications

**Water & Wastewater**

**Oil & Gas**

**Utilities**

REONIX AUTOMATION

# Technical Specification

| | |
|---|---|
| **DC INPUT RANGE** | 12-30 Volt DC |
| **AREA CLASSIFICATION** | Class I, Div 2<br>cULus E515728 |
| **PHYSICAL** | Housing: Anodized Aluminum<br>Dimensions:<br>4.06"/10.3cm (D) x 2.57"/6.5cm (W) x 2.69"/6.8cm (H)<br>Weight: 12.9oz / 366g<br>Input Connector: 8 Position Terminal Block Plug, Female Sockets 0.138" (3.50mm) |
| **A MOUNTING** | Standard 35 mm DIN Rail mounting<br>**00** Rear Mounted: HORIZONTAL RADIAL **(Standard)** |
| **B TEMPERATURE** | - 40°F/-40°C TO 140°F/60°C |
| **C ANTENNA** | |

| | | | |
|---|---|---|---|
| **E VPN** | **00** Open source VPN standard,<br>Consult Reonix for other VPN Options | **G SOFTWARE** | **Reonix Web Interface**: Easy to use, Secure Utilized for initial SCADADroid® setup, programming of Alarms, Phonebook, Shift Schedules, VPN and much more. |
| **F I/O INTERFACE** | 1x RJ45 - 10/100M Ethernet<br>8x Digital Inputs - Dry contact or 30 VDC Max (push-pull)<br>1x Relay Output - 1 N/O SPST<br>10x LED Indicators: 8 DI Status, 1 Power Status, 1 System Status | **H PROTOCOLS** | **01** Modbus TCP/IP: Interface with PLC/RTU/HMI<br><br>MQTT: Publisher/Subscriber protocol for M2M, minimizing data usage<br>REST: Architecture providing standards between networked systems on web |

# Ordering Requirements

The following code is designed to help in selection of the correct unit. Build up the reference

number by inserting the code for each component into the appropriate box.

**ORDERING EXAMPLE:** R2-0000-0000-0000

| Model | | A Mounting | D Cellular Modem | Future | E VPN | Notification | H Modbus |
|---|---|---|---|---|---|---|---|
| R2<br>R2NM<br>R2A<br>R2ANM | – **00** | **00** Rear/Horizontal<br>**01** Side/Horizontal<br>**02** Side/Vertical | **00** No Modem | **00** | **00** Open VPN Client | **00** Email only | **00** No Modbus<br>**01** Modbus TCP/IP Enabled |

**\*Requires modem**

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