



# Autonomous Alarm Notification

## SCADADroid R2A+



### Full Feature Capability

✓	Integrates with existing SCADA communications
✓	Remote access via VPN, MQTT and ReST
✓	Notify with onboard DI's and/or as ModbusTCP Master*
✓	Notifications with Text, Email and Voice (VoLTE)*
✓	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
✓	2 Analog Inputs (0-20 mA, 4-20 mA, 0-10/20/30V)
✓	Reporting function (CSV, PDF, and JSON formatting)

\*optional

### Applications



Water & Wastewater



Oil & Gas



Utilities



# Technical Specification

<b>DC INPUT RANGE</b>	12-30 Volt DC	
<b>AREA CLASSIFICATION</b>	Class I, Div 2 cULus E515728	
<b>PHYSICAL</b>	Housing: Anodized Aluminum Dimensions: 4.06"/10.3cm (D) x 2.57"/6.5cm (W) x 2.69"/6.8cm (H) Weight: 12.9oz / 366g Input Connector: 8 Position Terminal Block Plug, Female Sockets 0.138" (3.50mm)	
<b>A MOUNTING</b>	Standard 35 mm DIN Rail mounting <b>00</b> Rear Mounted: HORIZONTAL RADIAL ( <b>Standard</b> )	
<b>B TEMPERATURE</b>	- 40°F/-40°C TO 140°F/60°C	
<b>C ANTENNA</b>	1x Standard 50 mm GSM Antenna ( <b>Included</b> ) Connector: SMA Female	
<b>D CELLULAR MODEM</b>	<b>04</b> LTE with VoLTE LTE Bands: B2(1900), B4 (1700), B5 (850), B12/B13/B14 (700), B66 (AWS-3), B71 (600) UMTS/HSPA+ Bands: B2 (1900), B4 (1700), B5 (850) <b>* All Modems Accept Standard SIM Cards (Type 2FF - 15 x 25mm)</b>	<b>F I/O INTERFACE</b>
<b>E VPN</b>	<b>00</b> Open source VPN standard Consult Reonix for other VPN Options	<b>G SOFTWARE</b>
		<b>H PROTOCOLS</b>
		<p>1x RJ45 - 10/100M Ethernet 8x Digital Inputs - Dry contact or 30 VDC Max (push-pull) 1x Relay Output - 1 N/O SPST 2x Analog Inputs - Software Selectable 0-20mA, 4-20mA, 0-10V, 0-20V, 0-30V 10x LED Indicators: 8 DI Status, 1 Power Status, 1 System Status</p> <p><b>Reonix Web Interface:</b> Easy to use, Secure Utilized for initial SCADADroid® setup, programming of Alarms, Phonebook, Shift Schedules, VPN and much more.</p> <p><b>01</b> Modbus TCP/IP: Interface with PLC/RTU/HMI</p> <p>MQTT: Publisher/Subscriber protocol for M2M, minimizing data usage REST: Architecture providing standards between networked systems on web</p>

## 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

