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

REONIX AUTOMATION

Technical Specification

DC INPUT RANGE	12-30 Volt DC
AREA CLASSIFICATION	Class I, Div 2 cULus E515728
PHYSICAL	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)
A MOUNTING	Standard 35 mm DIN Rail mounting **00** Rear Mounted: HORIZONTAL RADIAL **(Standard)**
B TEMPERATURE	- 40°F/-40°C TO 140°F/60°C
C ANTENNA	1x Standard 50 mm GSM Antenna **(Included)** Connector: SMA Female

D CELLULAR MODEM	**04** 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) *** All Modems Accept Standard SIM Cards (Type 2FF - 15 x 25mm)**
E VPN	**00** Open source VPN standard Consult Reonix for other VPN Options

F I/O INTERFACE	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
G SOFTWARE	**Reonix Web Interface**: Easy to use, Secure Utilized for initial SCADADroid® setup, programming of Alarms, Phonebook, Shift Schedules, VPN and much more.
H PROTOCOLS	**01** Modbus TCP/IP: Interface with PLC/RTU/HMI MQTT: Publisher/Subscriber protocol for M2M, minimizing data usage 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
	-	00		00	00		

Model
R2
R2NM
R2A
R2ANM

A Mounting
00 Rear/Horizontal

D Cellular Modem
04 LTE with VoLTE

Future

E VPN
00 Open VPN Client

Notification
00 Email only
01 Email and SMS/Text
02 Email and SMS, Voice
*Requires modem

H Modbus
00 No Modbus
01 Modbus TCP/IP Enabled

REONIX AUTOMATION