CarefreeIOT

The future of SCADA Edge Connection has arrived.

Carefree IoT-Basic

Price: $500 + $30 / Month
Features:
- 3 Discrete (digital) sourcing inputs (requires relays for system isolation)
- Text alerts[1] to user-customizable contact group
- Review input status and edit group roster anytime via web UI
- 4G LTE Cat 1
- Select carrier based on service coverage needs (Verizon, AT&T, T-Mobile) (included in monthly cost)

Carefree IoT-Basic +Control

Price: Basic + $100 and $5 extra per month
Added Features:
- Upgrade 1 input to discrete (digital) sourcing output (requires relay for system isolation)

Carefree IoT-Voice

Price: $750 and $45 / Month
Features:
- 3 Discrete (digital) sourcing inputs (requires relays for system isolation)
- Voice alarm auto-dialing
- User authentication and alarm acknowledgment through a touchtone phone
- Built-in voice alarm auto-dialer sequentially dials and loops through customizable roster until an acknowledgment is obtained
- Customizable voice recording for each input
- Review input status and edit group roster anytime via web UI
- Optional email group alerts[1]
- 4G LTE Cat 1
- Select carrier based on service coverage needs (Verizon, AT&T, T-Mobile) (included in monthly cost)

Device Specifications:

Dimensions (excluding external antenna): 143mm (L) x 107mm (W) x 34mm (D)
Weight: 221 g (254 g with bracket)
Operating Temperature Range: -40ºC to +70ºC (-40ºF to 158ºF)
Operating Humidity Range: 0-95%
Device Input voltage: 24 VDC
Device Output voltage (Carefree IoT-Basic +Control ONLY): 24 VDC
Processor: 1 GHz ARM Cortex A8 with 256 MB RAM
Input Type: Discrete (digital)
Cellular Type: 4G LTE Cat 1
Other Features:
- 2 x SMA connectors for 4G LTE Cat 1 (1 x Main and 1 x RX Diversity)
- Wall mount support in multiple orientations via embedded mounting holes

*See ACS recommended add-ons section for appropriate power supply and relay options

If the following addons do not meet the application needs, contact a qualified local technician for assistance. The use of hardware not recommended by ACS could damage the device and potentially void any warranty provided.

ACS Recommended Add-ons

- Nema 4X enclosure (part # 278309 or equivalent)
- Phoenix Contact 24VDC Power Supply (part # 2902991 or equivalent)
- Phoenix Relay Assembly 24VDC (part # 2905289 or equivalent)
- Phoenix Relay Assembly 120VAC - input only (part # 2909776 or equivalent)

*Be sure that the relays and power supply listed above are compatible with your system needs. User/operator is responsible for any damages caused by using any of these add-ons with an incompatible system.

Applications for Carefree IoT Products

- **Lift Station Backup Alarms**
- **Water Well Backup Alarms**
- **Irrigation System Monitoring**
- **Remote station monitoring**
- **Backup notifications for critical systems**
- **Simple on/off control for above applications (IoT-Basic +Control)**
- **Replacement for Plain Old Telephone System (POTS) Dialers (IoT-Voice)**

Note: Please notify ACS of other applicable uses for addition to this list

Using this device outside of its intended purpose could damage the device, or void the device warranty. If you have questions regarding the use of this device in an application that has not been listed, consult a qualified electrical technician.

This device, like any wireless device, operates using cellular telemetry signals which cannot guarantee the transmission and reception of data in all conditions. While the delay or loss of signal is rare, you should not rely solely on any wireless device for emergency communications or otherwise use the device in situations where the interruption of data connectivity could lead to death, personal injury, property damage, data loss, or other loss. Advanced Control Systems accepts no responsibility for any loss or damage resulting from errors or delays in transmission or reception, or the failure of any Carefree IoT device to transmit or receive such data.

User hereby is responsible for consulting local, state, and federal regulations and guidelines pertaining to the use and operation of this device.

By using/operating this device, the user agrees and consents to all disclaimer and warranty information regarding this product. All warranty and disclaimer information is subject to change without notice. Visit our website for current warranty and disclaimer information.

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[1] The term "Alerts" is defined as a single notification for an event, and does not have any user acknowledgment or followup action if responsibility for the "Alert" is not assumed by a user.