

The SMS4D from eLynx Technologies is our latest offering for true standalone report-by-exception monitoring. It has been built to take advantage of the technological advances in the cellular industry by using SMS "store and forward" as the means of transporting alarm messages to the eLynx data center. Four discrete inputs are available to provide instant notification of alarm conditions and equipment failures. Coupled with the eLynx web interface, it becomes a powerful tool to keep your production on line and flowing.



The eLynx web site provides access to the alarm notification options for the device. A customer specific login allows administration of the alarm notification lists on a per input basis as well as access to the alarm history of each activated input.

When the device is configured to send both alarm and return to normal transitions, the interface will calculate the duration of the alarm condition. This is typically used to provide a compressor's runtime percentage, but can be useful for other applications as well.

<p>Features</p> <ul style="list-style-type: none"> • Instantaneous exception based alarming • Cost efficient pricing • Configurable for notify on alarm only, or notify on alarm and return to normal • Administration via the internet • Tunable de-bounce on a per input basis for erratic tank level alarm applications • Extremely low power requirements • Easy installation <p>Benefits</p> <ul style="list-style-type: none"> • Wireless communications utilizing existing public infrastructure eliminates the need to build towers, install phone lines, obtain radio licenses, etc. • Coverage throughout 90% of the U.S. and its coastal regions • Low cost of ownership • Dependable service 	<p>Specifications</p> <p>Physical:</p> <p>Size: 6.50" L X 3.45" W X 1.25" H Weight: < 1.0 lb Lights: 1 LED with blink patterns to indicate Power Service availability Signal strength Message queue</p> <p>Connectors: Power – Phoenix PCB Digital inputs – 1 – 4 Phoenix PCB Programming - 1/8", 3 conductor phono tip RF – SMA female</p> <p>Temperature: -30C to +60 C</p> <p>Electrical</p> <p>Input voltage: 9 – 24 VDC Idle current: < 250 micro amps @13.5 VDC Transmit: < 1 amp (instantaneous)</p>
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<p>Principle of operation</p> <p>The SMS4D utilizes the existing cellular infrastructure, in particular the GSM technology to transport remote status changes using SMS messaging. Once a status change is detected on one of the four inputs, the device "wakes up", and the 10 second de-bounce timer begins counting down. If the input does not transition back to its previous state before the timer expires, an alarm message is sent directly to the eLynx data center.</p> <p>Once the alarm message is received, an automatic process immediately identifies the unit by its embedded ten digit ID number. The entire message is then parsed, and alarm notifications are forwarded to all entries in the customer's notification list for that specific input. The change of status is simultaneously updated to the customer's web. The entire process typically takes less than one minute.</p>	<p>Typical applications</p> <ul style="list-style-type: none"> • Compressor shut down • Tank level • Valve position • Low temperature on dehydrator • High or low pressure alarms • Loss of commercial power • Low flow • Intrusion detection
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