SED-30 3G/4G

SMS Input/Output Controller

The SED-30 product was developed for farmers to assist with remotely controlling irrigation pumps and other machinery. Since then, the system has expanded in features and options to become a world class product. It is now a fully programmable SMS I/O controller that allows for monitoring and control of devices via the mobile network. The SED-30 has the ability to report input triggers and control the onboard outputs with SMS communication.

Features:

- Multiband 2G/3G/4G connectivity
- 8 onboard inputs (expandable to 24)
- 4 controllable relay outputs (expandable to 20)
- SMS reporting to 8 mobile numbers
- Ability to write custom SMS messages
- Battery backed system
- 12V 1A DC Output
- Compatible with SEC-ENG Pegasus Monitoring Server
- Easy to install and operate
- Optional High Gain Antenna

Applications:

- Farms
- Security
- Air conditioning
- Building automation
- General input/output control
- Water level monitoring

SEC·ENG SYSTEMS

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SED-30 3G/4G

SMS Input/Output Controller

FEATURES

OPERATION:
The SED-30 can help you monitor your industrial equipment by sending SMS updates to your phone. You can add up to 8 phone numbers and custom messages to help you keep updated with your equipment operations. The SED-30 can be operated from your phone, no serial cable needed. You can control the SED-30 from anywhere in the world via your phone.

INPUTS/OUTPUTS:
The SED-30 includes 8 inputs and 4 outputs, with an option to expand to 24 inputs and 20 outputs. These can be set up to SMS your phone and report a custom message set for a certain input/output.

POWER AND BATTERY:
The SED-30 is supplied with an AC plug pack however it can also be powered by a regulated 12V external source. A backup battery can also be fitted to the system (not included) which will allow the SED-30 to run for up to 70 hours.

TECHNICAL SPECIFICATIONS:

- Dimensions: 235 x 250 x 80mm (Housing)
- SIM Required: MINI size (SMS enabled)
- Modem: Sierra Wireless WP7609
- Network Connectivity:
  2G - 850/900/1800/1900 MHz
  3G - 800/850/900/1700/1900/2100 MHz
  4G - Band 1 (1920-2170 MHz)
      Band 3 (1710-1880 MHz)
      Band 5 (824-894 MHz)
      Band 7 (2500-2690 MHz)
      Band 8 (880-960 MHz)
      Band 28 (703-803 MHz)
- Power Pack Input: 230-240VAC
- Power Pack Output: 16V AC 1.5A
- External Power Supply: 12V or 24V DC
- Current draw: 200mA, 12V DC
- Output Relay rating: 0.5A at 125VAC, 2A at 30VDC
- Backup Battery: 12V 7Ah gel cell (Not included)
- Antenna connector: SMA Female
- Antenna supplied: 3dBi Omni directional
- Antenna optional: 7dBi High Gain

8 INPUTS

4 OUTPUTS

SED 30

SMS

SMS

MOBILE NETWORK

MOBILE PHONE

SECURITYMONITORING CENTRE

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