



DiaLog Elite

F1

F2

F3

Alarm Notification

The industry's most powerful and versatile alarming, monitoring and control system.



When it comes to managing your assets, downtime is never an option. That's why we've created the most powerful alarm notification system available — The Dialog Elite monitoring and control system.

The Dialog Elite is an all-in-one solution that addresses all of your monitoring and control requirements. Customized to meet your needs, the Elite can be configured with any combination of digital and analog inputs, relay outputs and Modbus I/O to match your specific needs. Unique to the Elite, upgrades can be installed in the field or over the phone — if over the phone, the system is upgraded within minutes of placing your order.

Optimize Your Time
Manage one or hundreds
of sites remotely.

Features

- Continuous monitoring of up to 48 dry contacts, digital or analog inputs in any combination.
- Complete programming locally through the keypad or laptop and remotely via a phone or PC.
- Remote alarm notification to phones, cell phones and alpha-pagers.
- All options are field upgradeable without returning the unit to the factory.
- Alarm on conditions required, such as: change of state, specific values, rates of change and run-time or cycle limits.
- Wireless using integrated cell phone modems (CDMA or GSM).
- Solar powered for remote areas.
- Control individual relay outputs based on specific input channel conditions.
- Pre-programmed or user-spoken messages for individual alarm notification for each condition.
- SCADA capabilities using Modbus RTU Slave option, giving you complete access to all inputs and outputs either through an RS-232/485 connection or via modem.
- Modbus RTU Master option allows for reading/writing and alarming on PLC data over a serial connection between the Elite and the PLC.



Panel/flush mount for indoor or large panel installations.



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Specifications

GENERAL

Digital:
8-48, 8 per card, dry contact or digital 5-24V, NO/NC

Analog:
8-48 8 per card, 4-20ma, 0-1V, 1-5V, 1-10V

Relays:
4-24, 4 per card, 8A at 125VAC, 5A at 30VDC

Communication Ports:
1 – RS-232 male / 485 plug-terminal
2 – RS-232 plug-terminal

Display:
4 line x 20 character, LCD

REGISTRATIONS AND APPROVALS

FCC Part 15, Class B and Part 68
NRTL listed for US and Canada
Safety tested to UL 60950, IEC 60950, CSA C22.2
Industry Canada CS03, CE Mark

PHYSICAL

Enclosure:
NEMA-4X or panel/flush mount

Dimensions:
12.0" W x 13.75" H x 6.25" D – NEMA-4X
10.25" W x 12.5" H x 5.0" D – Panel/Flush

Weight:
15.1 lbs. (6.9kg)

ENVIRONMENTAL LIMITS

Temperature (electronics):
-40 to 158°F (-40 to 70°C)

Operating Humidity:
0-90% non-condensing @ 104°F

ELECTRICAL

Power Requirements:
100/240 VAC, 50/60Hz, 1.5/0.7 amps

Maximum current draw on DC power:
850 mA at 15-24VDC

Internal Battery:
12V 24-hour rechargeable sealed lead-acid

WARRANTY

Standard: 5 year

The Elite expands with your future needs.

- Many methods for programming
 - Local keypad or via laptop
 - Remotely via phone or PC
- Different types of inputs and outputs
 - 8-48 digital and contact closure inputs
 - 8-48 analog inputs
 - 4-24 8 amp relays (local or remote)
- Alarm types that match your requirements
 - Contact open or close
 - On/Off cycles
 - Run-time limits
 - Pulse and flow totalization
 - Total time in a condition
 - High or low analog limit
 - Positive and negative rates of change
- Local notification of alarm conditions
 - LEDs blink red to indicate alarm
 - Activate relays for any channel
 - The display shows all alarms, current values and status
- Remote notification of alarm conditions
 - Call-out via phone, cell-phone, radio
 - Numeric messages on display pagers

Quality built for reliable performance.

- Flush/panel mounted configuration or a NEMA-4X enclosure to endure extreme exposure to the elements.
- Pluggable wiring connections make it easy for user to install and de-install.
- User has no more fuses to replace in the event of lightning or power spikes. All inputs are electronically protected using solid-state automatic resettable fuses.

Accountability reports

- 1000 entry event log stores all alarms, acknowledgements, calls and changes to programming, and time-stamped to provide a chronological trail of events.
- Event log can be printed locally or saved to a file.
- A Caller-ID function records all calls into the unit to program or acknowledge alarms.
- A 10,000 point datalog can record all analog values on a user-specified frequency for future analysis.

