

## ZEDI ACCESS-NEW ALARM MANAGER

### Key Benefits

- Added Alarm Acknowledgement across all Devices (including Smart-Alek)
- Workflow Improvements, reducing nuisance alarming
- Improved Reporting/Exporting Capability
- New Alarm Dashboards
  - Current Alarms
  - Alarm History
  - Configure Alarms

### Previous Version

	Location Name	Sensor Name	Error Type	Reading Time	Value
<b>Acknowledge</b>	North Dakota--	Pump Status	Low	2015-09-28 17:17:10 (CDT)	OFF (0 -)
	North Dakota->	Motor Status	Low	2014-11-14 10:36:47 (CST)	OFF (0 -)
	North Dakota->	Pump Status	Low	2014-11-14 10:36:47 (CST)	OFF (0 -)
	North Dakota->	Voltage	Low	2013-12-30 02:44:30 (CST)	6 V

### Enhanced Version

The new look of the Current Alarms page gives you Search Criteria and the ability to filter by alarm type. Group by location also lets you order locations as they appear in the well tree hierarchy. In addition you can now review your most current alarms or alternatively your oldest using the date drop down. Clicking on the well name expands to reveal sensor data and what sensor(s) is alarming. Easily move to configure the alarm or review history right from the location with the drop down menu to the right (see below screen shot in yellow highlight).

Review these enhanced versions next.

zedi Admin Data Reports Help zedi Admin

Alarm 3 43 0 24

Current History Configure

Search Criteria All Alarm Type Sensor name contains... Search

Group by location: No

Date

Date	Sensor	Alarm	Value	Set Point
031-05W5 > 06-13				
2015-11-04 09:05:00 (MST)	Static Pressure	High High	103422 kPa	103421.35 kPa
Transfer > 10-06				
2015-10-30 04:00:00 (MDT)	Differential Pressure	High	131 kPa	130 kPa
MacKay > 05-17				
2015-10-29 16:59:28 (MDT)	Flowing Temperature	Low Low	0 °C	0 °C
031-05W5 > 06-13				
2015-10-29 12:00:00 (MDT)	Differential Pressure	High	61 kPa	60 kPa

## Understanding your Enhanced Alarm History Page

The new look and updated Alarm History page will give you the ability to search by specific criteria, filter by date range, filter by alarm type and export to Excel.

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Alarm 11 159 0 152

Current History Configure

Search Criteria From: 2015-10-27 To: 2015-11-03 All Alarm Type Search Export

Date Sensor Status Value Set Point

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Date	Sensor	Status	Value	Set Point
Conventional				
2015-10-28 13:16:48 (MDT)	Casing Temperature	Test	0 °C	
Conventional				
2015-10-27 10:45:00 (MDT)	Gas Flow Rate	Low	0 E3M3/Day	0 E3M3/Day
2015-10-27 10:30:00 (MDT)	Differential Pressure	High	62 kPa	60 kPa

## Understanding your Enhanced Configure Alarm page

The Alarm Configuration page allows you to configure an alarm based on the sensor selected. Once the sensor is selected the Configure screen will open for you to set parameters and contacts. You can also search by sensor names and measurement types on this page if the sensor list is extensive.

The screenshot displays the Zedi Alarm Configuration interface. At the top, there is a navigation bar with the Zedi logo, menu items (Admin, Data, Reports), and user information (Help, zedi Admin). Below this, a breadcrumb trail shows 'Alarm' with sub-tabs for 'Current', 'History', and 'Configure' (the latter is highlighted). A search bar labeled 'Search criteria' is present, along with a 'Search' button and a 'Manage Contact Schedule' button. The main content area features a 'Location' filter (set to 'Transfer > 03-07') and a 'Device Type' filter (set to 'Zedi SCADA'). A search filter for 'Sensor name contains...' is active, with a dropdown for 'All measurement types' and a 'Find' button. The sensor list is organized into columns: 'Differential Pressure' (Set in kPa), 'Flowing Temperature' (Set in °C), 'Gas Flow Rate' (Set in E3M3/Day), 'RTU Voltage' (Set in V), and 'Static Pressure' (Disabled). The 'Differential Pressure' sensor is highlighted with a red box and a red arrow. Each sensor entry includes a table of alarm levels (HH, H, L, LL) and their corresponding values. At the bottom of each sensor's table is an icon representing the alarm contact configuration.

Differential Pressure		Flowing Temperature		Gas Flow Rate		RTU Voltage		Static Pressure	
	Set (kPa)		Set (°C)		Set (E3M3/Day)		Set (V)		
HH	248843.13	HH	10	HH	0	HH	0		
H	99999	H	8	H	100	H	99999		
L	0.4	L	5	L	0	L	0		
LL	0.37	LL	4	LL	0	LL	0		

## Understanding the Configure Alarm Sensor Panel

Alarms that are not enabled are shown in greyed out text with a strikethrough as shown below. An icon at the bottom left hand corner indicates the alarm contact set up for that alarm, User, Group, Contact Schedule or No Contact are the available options. Simply hover over the icon to view which one is selected.

**Gas Flow Rate**

Set (E3M3/Day)

HH	0
H	200
L	0
LL	0

Contact Schedule

User

Group

No Contact

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Contact group: 05-34 Alarm

### Enhanced Configure Page

Set your alarm parameters easily and quickly with the new 7 day trend graph in the configure screen. Use the graph to configure more accurate set points based on the normal trending of the well to help mitigate nuisance alarming.

**Gas Flow Rate** ×

Configuration **Message** Contact

Enable	Alarm	Set (E3M3/Day)	Reset (E3M3/Day)
<input checked="" type="checkbox"/>	High	<input type="text" value="100"/>	<input type="text" value="100"/>
<input checked="" type="checkbox"/>	Low	<input type="text" value="0"/>	<input type="text" value="0"/>

Zedi Access 7-day sensor graph (Raw)

Date (GMT-07:00)

## Company Alarm Configuration Report

The Company Alarm Configuration report (under Data Export) shows all the alarm settings that are configured for the entire company. In addition to the alarm settings, the report includes alarm notification contacts. This may be used to manage alarm (enable/disable) settings, alarm set points and alarm notification contacts.

The export report shows all the alarms that have occurred at a location or locations over a specified time range. In addition to alarm time, type and value the report includes alarm acknowledgement information showing who responded when and how.

	B	D	E	F	G	H	I	J	K
13350	00/11-	Well Head Temperature 2	High	80	70 C		No Contact		2013-12-24 11
13351	00/11-	Well Head Temperature 2	Low	-40	-35 C		No Contact		2013-12-24 11
13352	02/09-	ESD from Host	Low	0	1 -		ContactSchedule	Answering Service	2013-12-24 11
13353	02/09-	FT102 Low Flow Alarm	Low	0	1 -		No Contact		2013-12-24 11
13354	02/09-	Gas Flow Rate	High	200	190 E3M3/Day		No Contact		2013-12-24 11
13355	02/09-	Gas Flow Rate	Low	30	35 E3M3/Day		No Contact		2013-12-24 11
13356	02/09-	Gas Flow Rate	HighHigh	240	230 E3M3/Day		No Contact		2013-12-24 11
13357	02/09-	Gas Flow Rate	LowLow	0	1 E3M3/Day		No Contact		2013-12-24 11
13358	02/09-	Line Heater Flame Fail	Low	0	1 -		No Contact		2013-12-24 11
13359	02/09-	Line Heater High Pressure	Low	0	1 -		No Contact		2013-12-24 11
13360	02/09-	Line Heater Inlet Pressure	Low	0	1.03 kPa		ContactSchedule	Answering Service	2013-12-24 11
13361	02/09-	Line Heater Low Pressure	Low	0	1 -		No Contact		2013-12-24 11
13362	02/09-	Local ESD (PB) Status	Low	0	1 -		No Contact		2013-12-24 11
13363	02/09-	RTU Voltage	Low	23	23.5 V		No Contact		2013-12-24 11
13364	02/09-	Sales Gas High High Pressure	Low	0	1 -		No Contact		2013-12-24 11
13365	02/09-	Sales Gas High Pressure	Low	0	1 -		No Contact		2013-12-24 11
13366	02/09-	Sales Gas Low Low Pressure	Low	0	1 -		No Contact		2013-12-24 11
13367	02/09-	Separator High Level	Low	0	1 -		No Contact		2013-12-24 11
13368	02/09-	Separator High Pressure	Low	0	1 -		No Contact		2013-12-24 11
13369	02/09-	Separator Low Level	Low	0	1 -		ContactSchedule	Answering Service	2013-12-24 11
13370	02/09-	Static Pressure	High	797.71	725.19 psi		No Contact		2013-12-24 11
13371	02/09-	Static Pressure	Low	275.57	319.08 psi		No Contact		2013-12-24 11
13372	02/09-	Tanks High Level	Low	0	1 -		No Contact		2013-12-24 11
13373	13-22-	Gas Flow Rate	High	200	199 E3M3/Day		No Contact		2013-05-19 04
13374	13-22-	Gas Flow Rate	Low	0	1 E3M3/Day		No Contact		2013-05-19 04
13375	102/11	Differential Pressure	High	522.42	522.42 in H2O		No Contact		2013-12-24 11
13376	102/11	Differential Pressure	Low	-20.09	0 in H2O		No Contact		2013-12-24 11