Phoenix 3.4.2.1 Release Notes

2012

This manual goes over the enhancements, fixes and changes to the Phoenix Alarm Automation Software.

Version 3.4.2.1

REVISION: JUNE 1, 2012
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ABM DATA SYSTEMS
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How to Contact ABM Data Systems

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Please contact our Technical Support Department if we can help in any way.

I. ENHANCEMENTS

A. APPSRV

1. System Monitor (PUG 2011/Item #3)

System Monitor can perform two collect monitoring checks:

- If collects have not connected to APPSRV or have stopped communicating with APPSRV, SysMon generates a signal (zone 10) to alert users
- If APPSRV and the Collects are running and no heartbeats or signal activity, SysMon generates a signal (zone 1) to alert users

a) Receiver signals & heartbeats are used to determine whether collects are active.

To enable this function, insert an entry (for each collect to be monitored) into the ABMreceiver table through Data Entry. Assign a value of "ACTIVE" for the classifier column. Collects will be checked starting on the second run of System Monitor, which should be about 2 minutes (hardcoded and cannot be modified) after an APPSRV startup. System Monitor runs once a minute and will perform the collect checks on each run.

b) To stop "receiver comm failure" signals from generating

There are 3 options:

- If Signal Zone 10, verify collect service is started, if not showing started then start collect service
- Change classifier from "ACTIVE" to "INACTIVE" in Receiver table for problem collect
- Remove collect entry from the Receiver table

System Monitor will check the collect timestamp found in the client queue to make certain it updates at least once per minute (default setting). Each time a signal or heartbeat is received from the receiver, the timestamp gets updated. **NOTE:** Not all receivers send a heartbeat. If monitoring a receiver with no heartbeat, the interval setting (in the Receiver table) will have to be set to equal the number of minutes between signals.

c) The list of receivers which send in a heartbeat includes:

Ademco/XM8000
Digitize
DMP
ITI
Keltron
MLR2000/Surgard
OZvision
Radionics/Bosch
Safecom
Sitelink
Silent Knight
Videofied

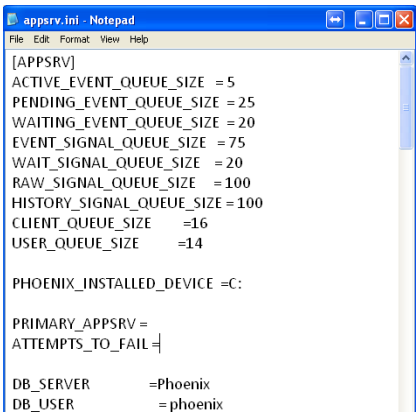
2. ABM SQL Replication

As part of ABM adding the use of SQL Replication, the APPSRV process can be started on a secondary server. It will monitor an APPSRV running on a primary server. If the APPSRV running on the primary server goes offline, after a designated number of attempts are exhausted, the APPSRV running the secondary server will start up and be ready to accept phoenix client connections.

a) APPSRV INI Changes

There were two additional fields added to the APPSRV ini to designate an APPSRV as the secondary APPSRV. To do this the following will need to be added to the APPSRV.INI file on secondary server:

PRIMARY_APPSRV =
ATTEMPTS_TO_FAIL =



b) APPSRV INI Setting

- PRIMARY_APPSRV setting is set to the primary APPSRV machine name or IP Address.
- ATTEMPTS_TO_FAIL setting is set to the number of attempts to check for a primary APPSRV before the APPSRV on the secondary (backup) server transitions from the monitoring mode to completely started.

c) APPSRV Attempts

To start up APPSRV immediately on the backup system set the ATTEMPTS_TO_FAIL value to 0 or comment out the tag item and APPSRV process will start up immediately.

3. APPSRV Start Up

a) Multiple Client Shortcuts

Instead of having multiple shortcuts setup for Phoenix Clients each pointing to a different Appsrv server, users can now setup the multiple Appsrv machine names in the INI files. Separate both names with a |.

For example:

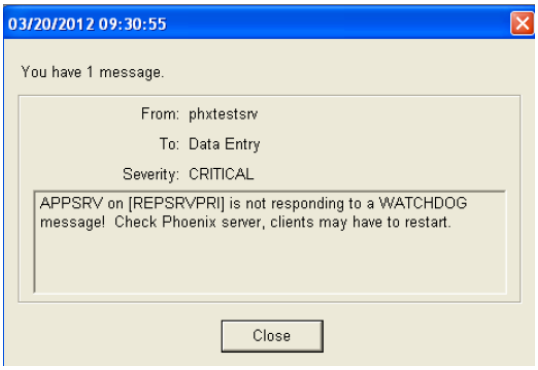
APP_SERVER = server1|server2

***** NOTE: this will not work for the following applications/ini files:***
Manager, Alarm Forwarding or the Collect(s)

When starting up a Phoenix client and "server1" is unavailable, a message will display stating that fact and prompt user if they wish to connect to "server2".

b) Broadcasting to Clients

A broadcast to all Phoenix clients will be sent to alert users. On initial startup, with no clients logged in, no one will receive the message. However, if APPSRV is restarted while Phoenix clients are logged in, they will get the message on the APPSRV startup. This will be an indication to users that clients should close out and restart Phoenix applications.



c) Logging APPSRV StartUp

On Appsrv starts, a signal will be generated. This signal is a non-event generating signal with sigtype of "systemLog", a zone of "30" and a transmitter of "PHOENIX".

History Signal - 100

Identifier	Event ID	Signal ID	Transmitter ID	Transmitter Name	Zone ID	Zone N...	PIN	Related Information	Signal Create Date/...
5795	524	systemLog	PHOENIX	Phoenix System	30			[rshawley] Appsrv service has started	03/25/2013 08:24:05

4. Zone Look Up

a) Zone ID's

When processing signals and doing a Zone lookup to pull the zone description, Appsrv will ignore leading zeros. That means that if a Zone is entered in the database as 003, but the panel sends in 3, 03, or 0003 a match will still be made.

Signal

Identifier	Event ID	Signal ID	Transmitter ID	Transmitter Name	Raw Zone ID	Zone ID	Zone Name	Signal Create Date/Time
5806	528	burg	11310	FOUNDERS POINTE	3	003	Foyer Glass Break Detector	03/25/2013 12:40:23
5807	528	burg	11310	FOUNDERS POINTE	03	003	Foyer Glass Break Detector	03/25/2013 12:40:43
5808	528	burg	11310	FOUNDERS POINTE	003	003	Foyer Glass Break Detector	03/25/2013 12:41:00
5809	528	burg	11310	FOUNDERS POINTE	0003	003	Foyer Glass Break Detector	03/25/2013 12:41:10

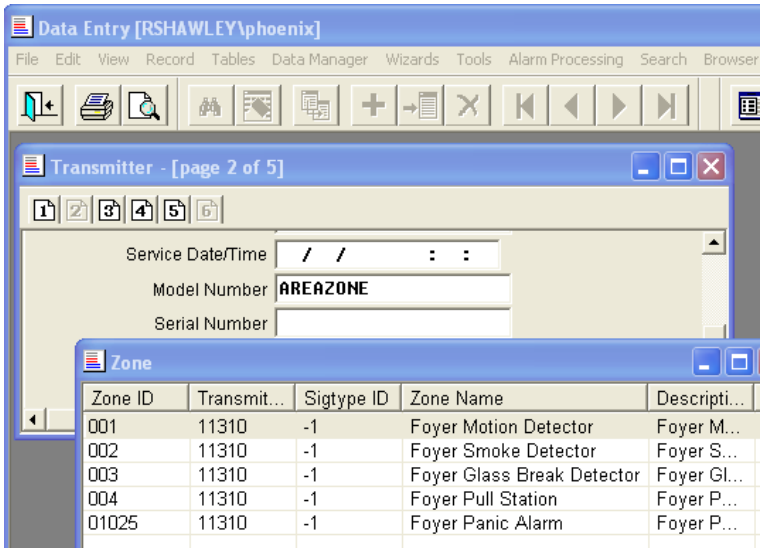
b) Combining Area & Zone ID

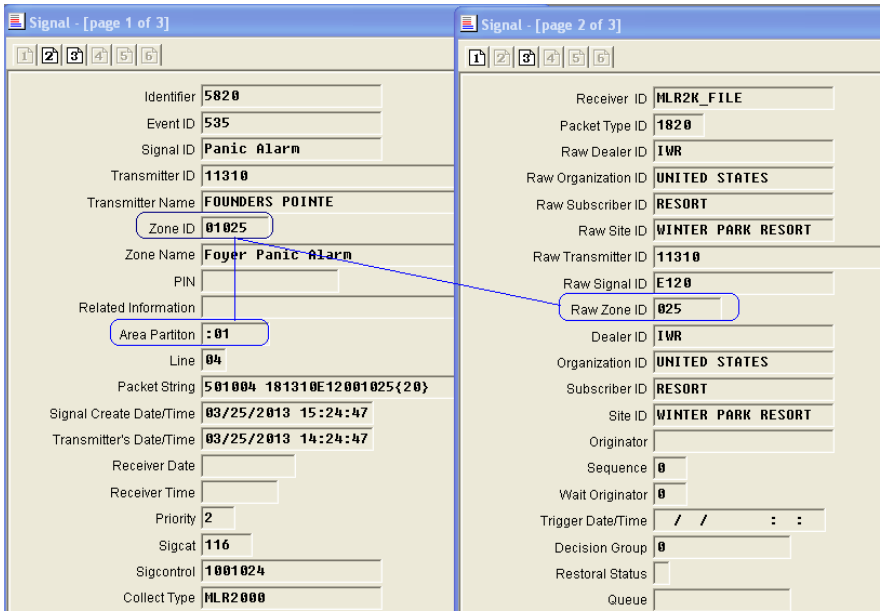
When processing a signal, if the transmitter's "model" column in the database contains the value "AREAZONE" and an area partition has

been parsed out, the zone will be updated to be composed of AREA+ZONE (no delimiter). AREA value remains unchanged.

For example:

If AREA=01 and ZONE=025 and transmitter has AREAZONE defined, then ZONE=01025





B. ALARM PROCESSING

1. Elapsed Time (Per UL 1981 2nd revision)

When an Event is finalized by an operator, the system will calculate an "elapsed time" for the event. This will be equal to the time difference between the event's "create date" and the time event was finalized. This will appear as a system action comment for the event.

Begin Date/Time	Login ID	Phone Number	Notes
05/24/2012 14:32:02	phoenix		§ Event selected from Pending Event
05/24/2012 14:32:02	phoenix		§ Response time: 0:00:06
05/24/2012 14:38:52	phoenix	216-785-6542	Called MIKE JONES. Answered.
05/24/2012 14:38:55	phoenix		Alarm restoral
05/24/2012 14:39:01	phoenix		§ Event forwarded from Active Event to Waiting Event.
05/24/2012 14:39:08	phoenix		§ Event Retrieved from Waiting Event.
05/24/2012 14:39:38	phoenix		Close event with code 'User Test'.
05/24/2012 14:39:38	phoenix		§ Elapsed time: 0:07:42
05/24/2012 14:39:45	phoenix		Event reopened by phoenix

2. New Columns (Per UL 1981 2nd revision)

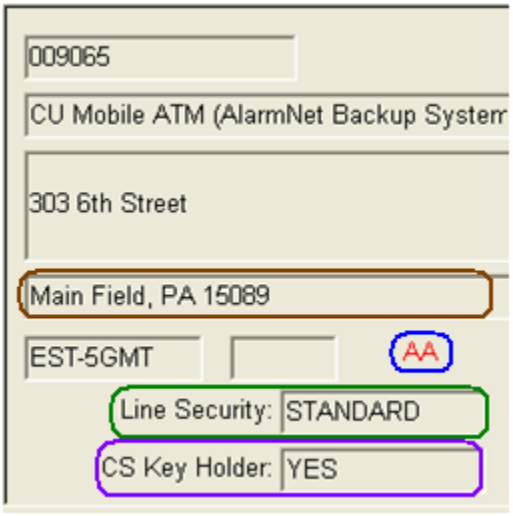
Two new columns display in Alarm Processing. These columns can be updated when adding/modifying a transmitter record.

a) "Line Security"

This can have a value of "None", "Standard" or 'Encrypted" (in Data Entry 0=None, 1=Standard and 2=Encrypted).

b) "CS Key Holder"

This has a value of "Yes" or "No" (in Data Entry 1=YES and 2=NO).



3. City/State/Zip Combined

Combined the display of "City-State-Zip" and appended the value entered for the column "country".

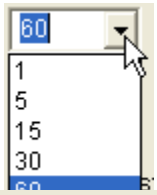
4. UL Rating (Per UL 1981 2nd revision)

Transmitter's "UL Rating" will now display in red next to the transmitter's "open/close status" in the Alarm Processing screen.

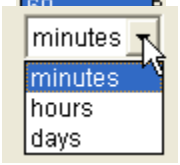
5. No Action Wizard

No Action Wizard now has an option to enter "Expiration Date/Time" by adding a defined amount of time to the "Effective Date/Time" value.

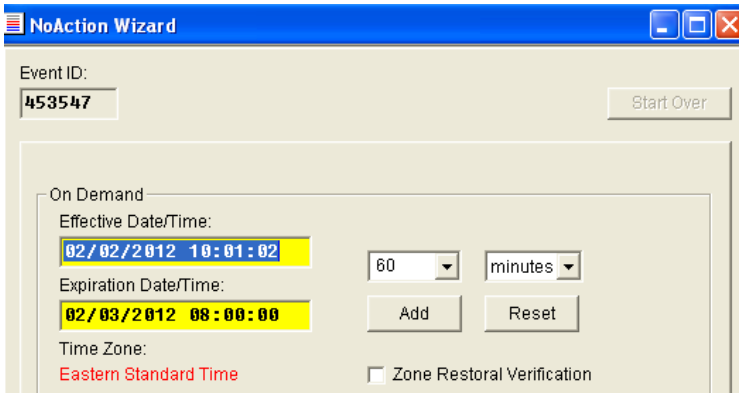
- The "time" value can be selected from a drop down list or manually entered.



- The "type" has to be selected from the drop down list. If there is already an "Expiration Date/Time" value, clicking on "Add" button will add the defined amount of time to the "Expiration Date/Time".



- A "Reset" button will clear out the "Expiration Date/Time entry".



Default is set at 60 minutes (hard coded).

6. User PIN's

When processing an open/close type of signal, the system performs a Contact lookup to pull the name for the parsed User ID. This comparison is now a numberic comparison. What this means is if in the Contacts table the user was entered with a User ID (PIN) of 003 but the panel sends in 3, 03 or 0003 a match will be made.

History Signal - 100

Identifier	Event ID	Signal ID	Transmitter ID	Transmitter Name	Zone ID	Zone Name	PIN	Related Information	Signal Create Dat...
5801	0	open	11310	FOUNDERS POINTE	-1		0003	Renee Shawley	03/25/2013 12:25:16
5800	0	open	11310	FOUNDERS POINTE	-1		003	Renee Shawley	03/25/2013 12:25:01
5799	0	open	11310	FOUNDERS POINTE	-1		03	Renee Shawley	03/25/2013 12:24:48
5798	0	open	11310	FOUNDERS POINTE	-1		3	Renee Shawley	03/25/2013 12:24:15

C. MANAGER

1. User License

Manager no longer takes up a Phoenix User license. This was implemented to allow users to run the Manager utility when all user licenses show to be in use. The user still will need to login to the application and have the proper credentials to access Manager.

2. New Shared Memory Function

New option was added to Manager

1] Shared Memory Functions ->

8] Reset License which will calculate the actual "in-use" license counts for user, collects and add-ons based on the entries in the ClientQ and reset 'in-user' license counts.

Previously the only option users had to reset "in-use" license counts would be to have all clients/collects log off and then stop/restart APPSRV.

```
PHOENIX MANAGER
PHXRelease:$3.4.2.1.5-10-12$

Shared Memory Menu
_____________________

1] Display All Queue contents
2] Update Entries
3] Delete Entries
4] Enter custom SQL select
5] Display Shared Memory Table Names
6] Broadcast Message
7] Remove User
8] Reset License
9] Back

->8

License in-use counters have been reset...Thu May 24 14:48:40 2012

Press Enter to Continue:
```

D. REPORTING

1. Failed-to-Test, Open-Close, Signal, UL Signal Reports

The "signal" column that prints was expanded so it will no longer truncate on report. Also modified was the printing of action comments. There is less white space which make "action comments" easier to read. The value for "phone number" column now prints at the end of the action comment line.

```
                                SIGNAL REPORT
                          5/21/2012 00:00 - 05/24/2012 23:59

Date        Time      Area  Signal      Zone  Name/Description
-------------------------------------------------------------------------------
CU Mobile ATM (AlarmNet Backup System) (009065)
05/24/2012 15:22:56       fire                1       Fire
 ........ ........ ......... ..... Event 453555     ........................
 05/24/12 14:23:05 phoenix   $ Event selected from Pending Event
          14:23:05 phoenix   $ Response time: 0:00:09
          14:28:40 phoenix   Called Normon Fire. Answered.[654-441-8799]
          14:28:58 phoenix   Called business- customer gave password said F/A. Per-
          14:29:04 phoenix   Called MIKE JONES. Answered.[216-785-6542]
          14:29:08 phoenix   Called business- customer gave account number said F/A. Per-
          14:29:37 phoenix   Close event with code 'F/A Fire'.
          14:29:37 phoenix   $ Elapsed time: 0:06:41
          14:29:44 phoenix   Event reopened by phoenix
          14:31:52 phoenix   Close event with code 'F/A Fire'.
          14:31:52 phoenix   $ Elapsed time: 0:08:56
```

2. "Receiver Usage Report" and "Transmitter Usage Report" (per UL 1981 2nd revision)

These reports are found in the UL Reports Section in the Phoenix Reporting System now give Transmitter counts split between Active and Inactive transmitters.

Any transmitter which has the "open close indicator" flag set to "y" and has received an "opening" or "closing" signal since the "Active/Inactive Cutoff Date" entered, when running the reports, will be considered an Active transmitter, all others will fall under the Inactive counts.

a) Summary

```
                    (UL) RECEIVER USAGE REPORT
```

```
        Grand Total:  2549 transmitters (2 ACTIVE / 2547 INACTIVE)
```

b) Detailed

```
                    (UL) RECEIVER USAGE REPORT
```

Transmitter	Name	Usage	Status	Last Open/Close
Description:				
-1	-1	INACTIVE	-1	01/01/1970 00:00:00
UL Rating : -1	Classifier: -1		Category: -1	
Description: TRANSMITTER MARKER				
009065	CU Mobile ATM (AlarmNet Backup System)	ACTIVE	closed	05/24/2012 16:23:54
UL Rating : AA	Classifier:		Category:	
Description:				

```
     Grand Total:  2549 transmitters (2 ACTIVE / 2547 INACTIVE)
```

3. Location Address

All reports now print the location address along with the "Mail-to" address when selecting the "sort and page break by…" option and the "Format for Mailing" option.

```
                                SIGNAL REPORT
                          5/20/2012 00:00 - 05/24/2012 23:59
Dealer      : Dynamics Security Monitoring (DSM)
Site        : LFCU Mobile ATM (AlarmNet Backup System) (009065)
Transmitter : CU Mobile ATM (AlarmNet Backup System) (009065) EST-5GMT



Mail To:                                          Location:
     FCU Mobile ATM                                    CU Mobile ATM (AlarmNet Backup Syst
     ATTN:MOBILE UNIT CONTROL                          303 6th Street
     9867 SW AVE D                                     Main Field, PA 15089
     HOOLIN, PA 14896


Date        Time       Area  Signal      Zone  Name/Description
-------------------------------------------------------------------------------------------
05/23/2012 09:00:00        OPENING             001
           18:00:00        CLOSING             001
05/24/2012 09:00:00        OPENING             001
           15:22:56        fire                1       Fire
 ........ ........ ......... ..... Event 453555     ........................
 05/24/12 14:28:40 phoenix   Called Normon Fire. Answered.[654-441-8799]
          14:28:58 phoenix   Called business- customer gave password said F/A. Per-
```

4. Contact Report Changes

Contact Report has been reformatted to prevent Contact names from wrapping.

```
                                CONTACT REPORT
Dealer      : Dynamics Security Monitoring (DSM)
Site        : BAY APARTMENTS (BAY APARTMENTS)
Transmitter : BAY APARTMENTS (022505) EST-5GMT


Mail To:                    Location:
   BAY APARTMENTS              BAY APARTMENTS
   1234 BAY ROAD               1234 BAY ROAD
   GREEN, PA 15408             GREEN, PA 15408

Phone     : (512) 415-9874

Classifier/Name                          Phone Number/Email
-------------------------------------------------------------------------------
[Norfolk Fire]
  Nortmon Fire (10)                      primary: 654 441-8799
...............................................................................
[Norfolk Medical]
  Nortmon Medical (10)                   primary: 654 441-8799
...............................................................................
[Norfolk Police]
  Nortmon Police (10)                    primary: 654 441-8799
...............................................................................
[Office]
  Bayview Apartments Office (10)         business: 451 480-3980
                business2: 451 461-1410
                 PASSWORD: 5482, 66654
...............................................................................
[Responsible Party]
  Benny Gall (home & cell) (10)          home: 216 383-4083
                mobile: 215 859-0394
...............................................................................
  Nick Papps (cell) (20)                 mobile: 219 549-3161

Please take a moment to review the information above. Note any changes or additions,
sign and return.  Thank you.

Signed:_____Date:_____
```

5. Print Jobs List

Print Jobs list has been modified 2-fold:

a) New Row in List

The listing now includes the row count selected for the reports

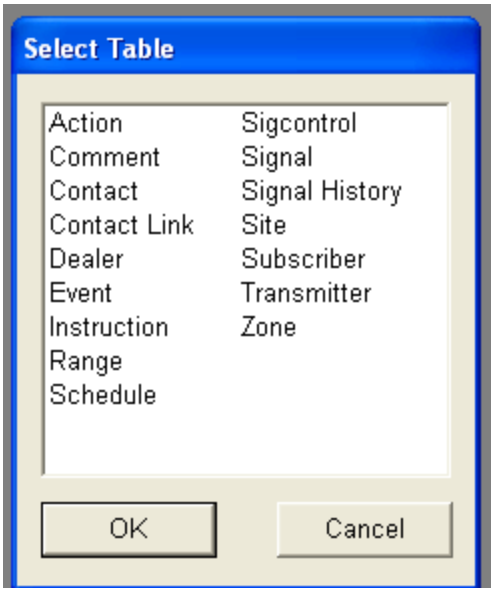
b) One Click

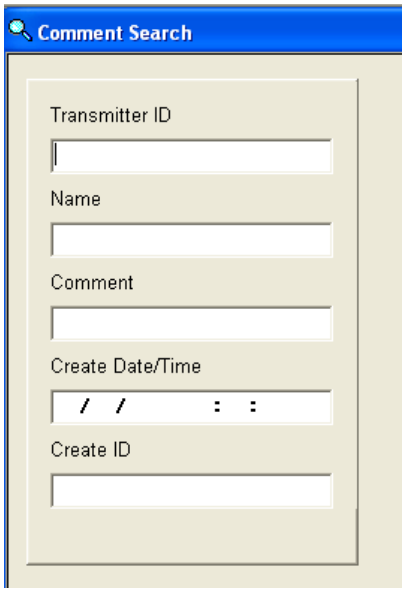
Clicking on Print Jobs from Main Menu/Main Menu bar takes User immediately to the Print Jobs listing. No longer have to click twice to see print jobs list.

E. SEARCH

1. Added Table

The "ABMcomment" table is now included in list of tables that can be searched from the Search client.

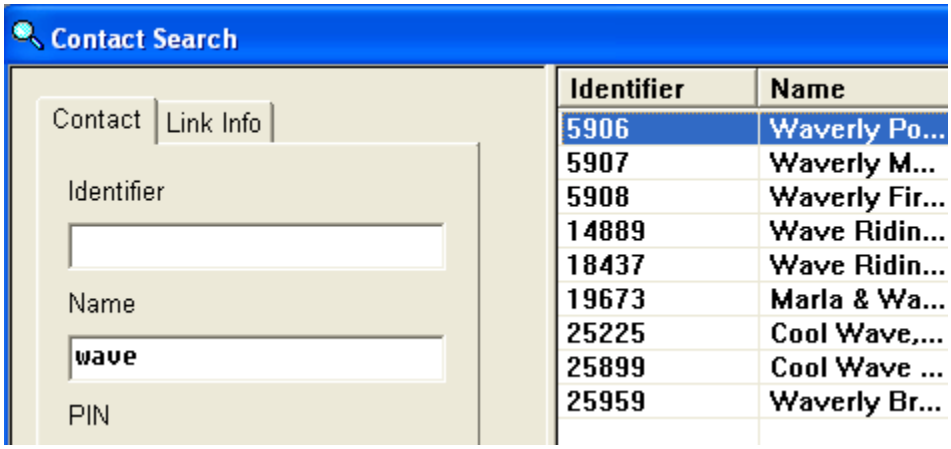




2. Wild Card Usage

Default for Search lookup is wild card. This means that when user enters a word, Search will automatically treat as wildcard search. To perform a search using an explicit value, surround the value with double quotes.

For example, enter ***wave*** for Name in the Contact Table Search and the Search utility will perform the search as if user entered ****wave****. If the user had entered ***"Wave"***, then the search would only find names equal to exact name of ***Wave***.



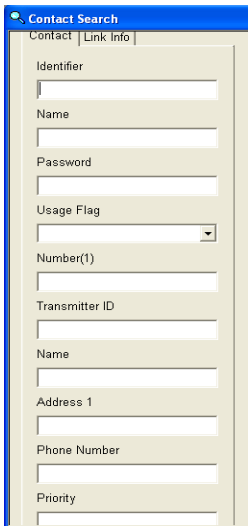
3. Search Field/Results

a) Search Criteria Field

The Contact Table now allows searches to be done on the following fields:

ABMTransmitter Table: Transmitter ID
Name
Address 1 Field
Phone Number 1 Field

ABMContactLink Table: Classifier ID
Priority



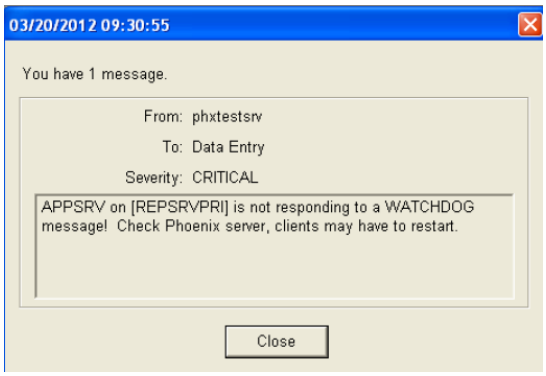
b) Search Utility Results

In the Contact Table Search results, it now displays transmitter ID, name, address and phone number.

Identifier	Name	Password	Usage Flag	Number(1)	Transmitter...	Name	Address 1	Phone Number	Priority
22712	Bayview Apartments Office	5482, 66654	b	480-3980	022505	BAY APARTMENTS	1234 BAY ROAD	415-9874	10
22721	Benny Gall (home & cell)		c	383-4083	022505	BAY APARTMENTS	1234 BAY ROAD	415-9874	10
25375	Nick Papps (cell)		c	549-3161	022505	BAY APARTMENTS	1234 BAY ROAD	415-9874	20
1890	Normon Fire		c	441-8799	022505	BAY APARTMENTS	1234 BAY ROAD	415-9874	10
1891	Normon Medical		c	441-8799	022505	BAY APARTMENTS	1234 BAY ROAD	415-9874	10
1887	Normon Police		c	441-8799	022505	BAY APARTMENTS	1234 BAY ROAD	415-9874	10

F. WATCHDOG

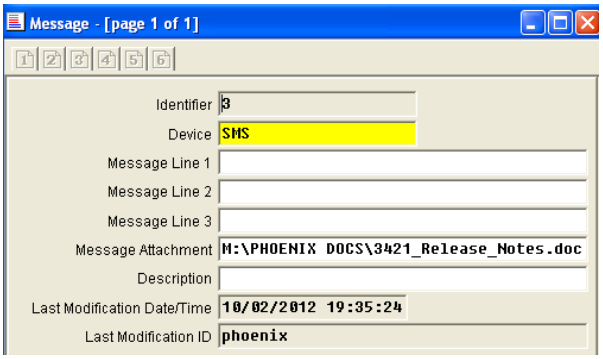
In addition to the 3 audible beeps which Watchdog sounds when it has encountered an issue with APPSRV, it will also now broadcast an error message to all Phoenix clients. This message will repeat about once a minute until the condition with APPSRV has been resolved.



G. ALARM FORWARDING

1. Sending Attachments

Alarm Forwarding has the ability to send attachments when emailing contacts. Enter the path and file name in the ABMmessage record for the ***"Message Attachment"*** column.

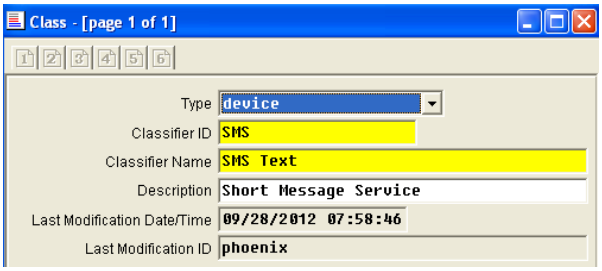


NOTE:

This only works for emails and excludes SMS text messages.

2. Device Setup

New **DEVICE** item called "**SMS**". This device can be used for Alarm Forwarding or regular contacts. Works like the "**ALPHA PAGER**" device, but "**SMS**" is clearer as to how to notify the contact.



3. Messaging Setup

Alarm Forwarding messaging setup will accept a new variable tag of ~app_server~. When sending the message Alarm Forwarding will replace the ~app_server~ tag with the value found for APP_SERVER in the Alarm Forwarding INI file.

II. DEFECT CORRECTIONS

A. APPSRV

1. Site Monitor - Failed-to-close (FTC)

These signals will generate only once per expired schedule period. This is to prevent generating multiple FTC signals for the same scheduled closing time.

However, if a "Special Schedule + closing tolerances" that ***crosses midnight*** is entered, when that "Special Schedule + closing tolerances" expires and the premises is still has an "open" status, APPSRV should generate a FTC signal. It was not. This has been corrected. ***[X.4.2.0/07-21-2011]***

2. System Monitor

System monitor has been changed to only check disk space on the "C:" drive and the drive where Phoenix is installed (if different than the "C:" drive).

B. ALARM PROCESSING

1. Alarm Alert

a) Reminder Signals

When Alarm Alert was activated and an event was generated with a "Reminder" type signal, the flashing phone icon should be ORANGE, but prior to this version, the priority of 999 was not recognized as a "Reminder" type signal, so the blinking phone icon was white.

This has been fixed so that the blinking icon is now ORANGE. The "install_sql.sql" file has been updated to populate a Phoenix database with a "Reminder" sigtype with a priority of 999. It had been set at 900. Existing customers will need to update their Reminder Signal to 999 for this to work.

b) Windows 7 Workstations

(1) Alarm Processing Focus

On Windows 7 workstations, if Alarm Processing is minimized and focus is on another window, when Alarm Alert flashes due to an event message, clicking on it should maximize and move Alarm Processing to the top. This was not working on Windows 7 workstations. Issue has been resolved. Alarm Processing will have to be minimized to view other windows.

(2) Alarm Processing Clients

Fixed issue on Windows 7 machines where 2 or more Alarm Processing clients were started but user not logged into Phoenix. When an event was processed by one of the AP clients, the other AP clients started but not logged into Phoenix would crash.

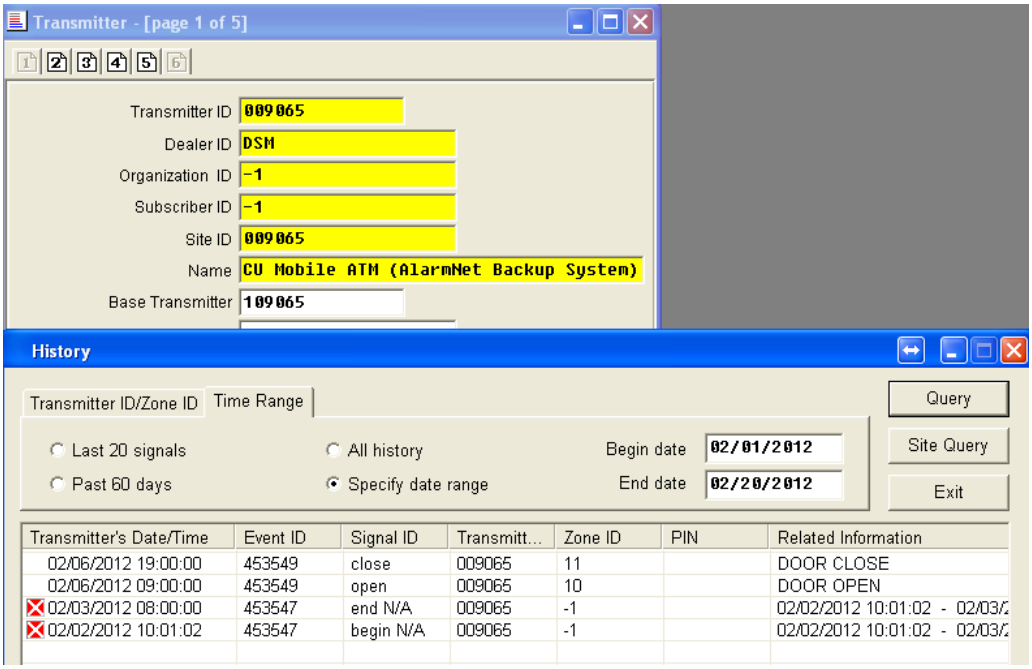
2. Response time

When this was calculated for each event, it would be incorrect if the event was selected on the same second over the minute as when the event was created.

For example, event created at 12:24:35 and selected at 12:26:35, "response time" would calculate as "00:02:120", should be calculated as "00:02:00". This has been corrected.

3. History Lookup

This did not work properly when selecting specific date ranges and the transmitter had a value in the "Base Transmitter" column. On the previous version the date range was ignored. This has been corrected.



C. DATA ENTRY

1. Data Manager

Would not allow users to update or delete No Action records entered for a specific Zone ID when opening the No Action records from the transmitter level. If opened from the zone level there was no problem, but you can't see all No Actions when drilling down to the zone level. This has been corrected. ***[x.4.2.0/07-14-2011]***

2. No Action Wizard

Each time it's opened, the data from the most recent No Action entry is displayed. That's fine when going straight to the No Action wizard from the Wizards menu, but when opening the wizard from Data Manager, what would happen is the "Transmitter ID" is populated with the right ID but "name/address" displayed is from the previous No Action entry until tabbing out of the "Transmitter ID" prompt. This caused confusion. This has been corrected. **[x.4.2.0/07-14-2011]**

3. Hierarchy Tool

When "Hierarchy Access Level" set for something other than "-1" for components 117 (Hierarchy Copy) and 119 (Hierarchy Rename), the settings were ignored in the Hierarchy Tool. The Tool would use for all 3 operations (Rename, Copy and Delete) what was defined for component 118 (Hierarchy Delete). This has been corrected.

D. COLLECTS

1. MLR2000, RAD6500, ITI, SITELINK, SURGARD

Some panels when sending SIA format would send leading spaces with Zone. Zones were parsed with the spaces, which would then never find a matching ABMsigcontrol conversion record since leading spaces are not allowed during data entry. Parsing has been corrected to ignore any leading spaces.

2. Radionics/Bosch

a) Formats

Add support for about 17 more formats that can be sent by the receiver to automation. These formats are included for both rad6500 mode and SIA mode.

b) Parsing

(1) SIA Mode

When mode was set to SIA, collect was hard coded to parse out a 3 digit "id" value. Problem is that sometimes the "id" is 4 digits. Parsing has been corrected to parse out the correct number digits for "id".

(2) 6500 Mode

(a) "e" Signals

Fixed issue with caller-id signals not recognized by Bosch receivers running in 6500 mode. These signals start with the code of "e" and were flagged as invalid format.

(b) "m" Signals

Fixed issue with Bosch paring in 6500 mode for type "m" signals. These signals do not have fixed transmitter lengths but can be anywhere from 4 to 8 characters in length.

3. MLR2000

a) Parsing

There were parsing issues when receiver sent in System Messages to automation and the transmitter id had a length of more than 4 characters. This was fixed so that transmitter id can have varied lengths.

b) Related Info

Functionality was added to be able to populate the "relatedinfo" column, of the ABMsignal record, with the IP address; if the IP was sent as part of the data stream.

c) SIMs Number

The receiver is capable of sending the SIMs number to automation. MLR2000 collect now recognizes and parses that protocol as a valid format and will treat it like we do caller id signals. The protocol string begins with a lower case 's'.

d) ABLOCKEDCALL Signals

Fixed issue with MLR2000 collect not parsing out "ABLOCKEDCALL" types signals correctly.

4. Manual Signal

Fixed issue with Manual Signal Entry and generating a signal using both "User ID" (PIN) and "Assign to Operator" values. Appsrv would have the potential of crashing due to memory error.

E. MANAGER

1. Memory Issues

Corrections were made on some memory issues when selecting database type operations, such as "Update Counters". These memory issues could cause a Manager client to crash.

F. REPORTING

1. PAGESETUP INI

a) STYLE=HTML Setting

(1) Creeps

When "STYLE=HTML" is defined in the PAGESETUP.INI file, report paging still experienced the "creeps", meaning after several pages the paging would be off. This has been corrected.

(2) Heading

When "STYLE = HTML" is defined in the PAGESETUP.ini file, the heading for report in the browser tab would display "(null)". It should be displaying the report title. This has been corrected.

2. Recurring Reports

When the recurring reports process is executed and the process tries to run a report where the "owner" of the report is no longer in the ABMuser table, the RPTSRV.EXE process would crash. It now prints an error in the RPTSRV.LOG file stating that the "owner" is not on file, so that users can make necessary corrections to report or delete report if no longer required.

3. Transmitter Detail Report

Fixed 2 issues when running report and selecting "***Include Schedules***" option:

a) Tolerances

The tolerances that printed were tolerances from the range record not the transmitter record. Report now prints tolerances found on the transmitter.

```
Schedule Name             : HOLIDAY
Schedule Type (ID)        : holiday (2)
Description               :
Monitor Fail To Open      : n            Monitor Fail To Close     : y
Monitor Unscheduled Open  : y            Monitor Late Open         : n
Monitor Unscheduled Close : n            Monitor Late Close        : n
Delete      : n
```

	Effective Tolerances				Expiration Tolerances		
	Early	Late	Failed		Early	Late	Failed
05/28/2012 00:00	20 min	20 min	25 min	05/28/2012 23:59	15 min	5 min	30 min
07/04/2012 00:00	20 min	20 min	25 min	07/04/2012 23:59	15 min	5 min	30 min

b) Schedule Type

The schedule range records that printed were selected using only the schedule ID, which may not be the correct schedule. Report now selects the right schedule for printing based on the schedule ID and schedule type (open/close, special, seasonal or holiday).

```
Test Interval      : 1
Open Close Schedule: 7
Holiday Schedule   : 2
Seasonal Schedule  : 0
Special Schedule   : 0

Schedule Name             : 8-5 M-F
Schedule Type (ID)        : openclose (7)

Schedule Name             : HOLIDAY
Schedule Type (ID)        : holiday (2)
```

G. GUI CHANGES

Fixed issue with GUIs not able to print preview, open other clients from menu, and at times crashing on logouts if Phoenix clients were not installed on the "C:" drive and emailing from Alarm Processing had been performed.

H. HASP CHANGES

Fix issue with HASP key missing and calculating grace days. Servers should have 14 grace days if the HASP key is removed, but the calculation was incorrect resulting in less than 14 day grace period. Also modified when an Appsrv would stop running once the 14 days are exhausted. It will now stop sometime between Mon-Fri at noon-ish, rather than midnight on the weekend.