

REVIEW MANAGEMENT

The 3000 / Access 4000 has a very comprehensive Review log to enable both the User and Installer to view specific events within the history. The amount of review history and the type of events saved within this log can be determined by a number of factors.

1. Size of the Memory fitted on the Control Module.
2. Configuration of the Memory. (Only relevant in 32k Memory configurations)
2. Type of events saved to review.
3. Mode of review set within the General System Options programming.

The size and configuration of the Memory only effects the number of events that can be stored within the review log, it has no effect on the type of events stored.

The type of events saved to review has the biggest impact on how quickly the review log will fill up and therefore how quickly old events will be lost. If events such as Auxiliary on/off and Input change of state (alarm/tamper/seal) messages are all saved to Review, the Review log will fill up a lot faster. These types of events are often not necessarily required by either the end user or the installer on a general day to day basis.

Limiting the amount of Review events generated by the system may be necessary to ensure that important events are kept as long as possible and are easy to find. In smaller systems with minimal activity, simply ensure that “Detailed Review” in the General System Options is set to No. (see Step 4)

In systems that generate a lot of activity, more limitations on Review events will need to be considered.

Programming Options are provided to limit how much unnecessary information is actually stored in review.

1. Auxiliary Timer Options. [MENU, 5, 5]

The Installer can specify whether on/off events for each individual Auxiliary in the system are saved to Review.

- 1.1 Select the Auxiliary Timer to edit.
- 1.2 IF On/Off Events for a particular Auxiliary are not to be saved to Review, set the “Save to Review” option to No.

Saving all Auxiliary events to review can be useful when commissioning a system, debugging system programming, servicing or fault finding. However during normal system operation Auxiliary on/off events are of little use to the User or Installer unless required for a specific purpose.

e.g. System Management software such as Accept requires any auxiliary that it is to be monitored or controlled to be logged to review so that the correct state of that auxiliary is always known (eg door lock). These types of programs also have their own methods of filtering out unwanted events from the review.

Auxiliaries used for purposes such as calculations, lift control and automation, are generally not required to be viewed by Users and can therefore have the “Save to Review” option set to NO.

This also benefits the installer when fault finding as only the relevant auxiliaries will be saved to review giving a clearer picture of a sequence of events without having to filter through pages of unwanted events.

See the examples of Review data at the end of this chapter.

2. AirConditioning Options. [MENU, 7, 5, 6]

The Installer can specify whether events for AirConditioning control programs are saved to Review.

- 2.1 Select the AirConditioning program to edit.
- 2.2 Select the “No Review” option IF required. [D T F N]
-No Review. Set to Yes IF No AirConditioning control events are to be saved to Review.

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3. Input Options. [MENU, 7, 0]

The Installer can specify whether Alarm/Tamper/Seal events for each individual Input in the system are saved to Review. *See notes below for important information on Input event messages and Alarm messages.*

3.1 Select the Input to edit.

3.2 Program any Review options required. [S C X S R A N T]

-C01:X01 On for Review. Set to Yes IF Input state events for this Input are only saved to Review when Control Module Auxiliary 01 (C01:X01) is On. Note. If set to Yes, “No Review” must also be set to Yes.

This allows another event or condition in the system that can control an Auxiliary to enable/disable Review logging for this Input. e.g. Area On/Off, TimeZone, etc.

This option could also be set up by the Installer as a simple way of enabling all Input Review logging when required for fault finding or program de-bugging, etc. C01:X01 can simply be turned on via the Test Menu when required. (This would require that C01:X01 is not used for any other purpose) *See “Force Review” in Step 4 for an alternative.*

-No Review. Set to Yes IF No Input state events are to be saved to Review for this Input.

Input State Messages. Setting these options in the Input database prevents Input state messages from being saved to Review. That is, the messages that indicate that a change of state has occurred on the Input. Whether or not these messages are saved to Review depends entirely on these settings in the Input Programming.

e.g. Review messages such as “Alarm on C01:Z04”, “Alarm on HALLWAY PIR”, “Tamper on FIRE DOOR” or “Restore on OFFICE PIR” are Input state Review messages, and only indicate that the Input has changed to that state.

i.e. The Un-sealed state (Alarm), Open/Short state (Tamper) or Sealed state (Restore).

Alarm annunciation. The change of state may or may not generate an actual “Alarm” (Terminal message, Siren, Auxiliary for Strobe, Reporting, etc.) depending on other factors such as whether the Area is On or Off and how the Process Group assigned to the Input is programmed. The action/s that result from that change of state such as Siren events, Report to a Comms Task (e.g. Central Station or Computer, etc), etc. are recorded as separate Review Events.

Inputs processed as “Burglary” or “Fire” types, etc. will usually generate some sort of “Alarm” when they change to the Alarm state. (And the Area they are assigned to is On)

On the other hand Inputs processed as “Function Zones”, “Lighting Control”, “Lift Buttons” or “Aircon control” etc. would normally only perform the function required when they change state without any type of “Alarm” annunciation.

“XMIT” messages. When an Input is required to annunciate an “Alarm” in the system, the Process Group assigned to the Input will usually have some of the “Comms Options” enabled. [I T A R E X U S] The Comms Options allow the Installer to specify which Input conditions will generate an “Xmit” message for subsequent reporting to a Comms Task. Normally, the “A”larm and “R”estore options are always selected for this type of Input processing, while the “I”solate and “T”amper options are often selected as well. (Setting Comms Options is mandatory for Central Station reporting)

When these Comms Options are selected in the Process Group, Review events such as “Xmit Alarm on Office PIR in Office Area” will be generated when the Input changes state. This indicates that the Input is to report an “Alarm” condition, and the Area in which the Alarm has occurred. When Inputs are processed in this way and generate “Xmit” messages, in most cases the “Input State messages” are no longer necessary and the “No Review” option can be set to Yes for these Inputs.

Comms Tasks. Remember that any Xmit entry will be sent by any Comms Task that is active. If you do not want all Xmit messages to be sent via a particular Comms Task you can filter the Xmit messages by assigning an “Area List filter” or selecting the required “Extra Filter” options.

See individual “Comms Task” programming options in the Programming Reference section.

4. General System Options. [MENU, 7, 5, 1]**4.1 Select Review options IF required. [N D F R f + I .]**

-Detailed Review. Set to Yes IF Detailed Review Mode is required.

-Force **Review**. Set to Yes IF the “No Review” settings in Input options and AirConditioning options, and the “Save to Review” settings in Auxiliary Timer options are to be ignored.

This option would normally be selected temporarily by the Installer to Force all activity to be recorded to Review for fault finding and program checking, etc.

Detailed Review. In V2.00 or later Control Module firmware, “Detail” and “Non detail” modes of review are available. The default condition is non-detailed mode that prevents specific types of events from being saved to review. The types of events filtered out are considered of a technical nature and of relevance to the installation technician only.

e.g. A selection of Comms Task messages such as handshake events, etc.

Area entry, exit, siren and pulse count events.

AC holdoff timer and Low battery timer events.

User Menu access tracing messages.

Detail mode may be switched on by the technician at any stage to give additional information to events such as communications, area arming and disarming, door interlocking etc.

Examples.

The following examples show how the amount of information saved to Review can be drastically reduced without effecting the context of the information. In the last example it is still easy to establish that Z01 alarmed and restored, the sirens were triggered, the alarm was communicated successfully and that the zone was then isolated at the end of the siren time. The number of entries has been reduced from 48 to 15 but still provides all the information required.

User Door Access with auxiliary filtering.

Jan01 02:11:39.5 INSTALLER Card Access in .Door 001

User Door Access with no auxiliary filtering.

Jan01 02:08:09.5 INSTALLER Card Access in .Door 001

Jan01 02:08:09.5 R01:X01 On by INSTALLER (Door Lock)

Jan01 02:08:14.5 R01:X01 Off by Aux Timer

Area zone alarm with no detail mode on and no zone or auxiliary being saved to review.

Jan01 02:27:04.6 INSTALLER Pin accepted at LCD Term. #001

Jan01 02:27:09.3 .Area 001 On by INSTALLER

Jan01 02:27:26.5 Xmit Alarm on C01:Z01 in .Area 001 saAo

Jan01 02:27:26.5 Cont. Int/Ext. Siren On by .Area 001 with Sweep tone

Jan01 02:27:26.5 CT02 - Triggered

Jan01 02:27:27.4 Xmit Restore on C01:Z01 in .Area 001 asRo

Jan01 02:27:30.2 CT02 - Dial .Phone 001 on attempt #01

Jan01 02:27:36.5 CT02 - Hangup

Jan01 02:27:47.3 INSTALLER Pin accepted at LCD Term. #001

Jan01 02:27:48.1 Cont. Int/Ext. Siren Off in .Area 001

Jan01 02:27:48.1 C01:Z01 Isolated by Siren Lockout in .Area 001

Jan01 02:27:48.1 Xmit Isolate on C01:Z01 in .Area 001 sio

Jan01 02:27:48.2 CT02 - Triggered

Jan01 02:27:51.5 .Area 001 Off by INSTALLER

Jan01 02:27:51.8 CT02 - Dial .Phone 001 on attempt #01

Jan01 02:27:57.5 CT02 - Hangup

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Area zone alarm with detail mode on and the raw zone being saved to review.

Jan01 02:21:19.3 INSTALLER Pin accepted at LCD Term. #001
Jan01 02:21:24.2 Exit timer started in .Area 001 for 010 secs
Jan01 02:21:24.2 .Area 001 On by INSTALLER
Jan01 02:21:35.1 Exit timer expired in .Area 001
Jan01 02:21:36.4 Prune Enables
Jan01 02:21:43.5 Alarm on C01:Z01
Jan01 02:21:43.5 Xmit Alarm on C01:Z01 in .Area 001 saAo
Jan01 02:21:43.5 C01:X02 On by .Area 001 Alarm Aux
Jan01 02:21:43.5 Siren timer started in .Area 001 for 010 mins
Jan01 02:21:43.5 C01:X01 On by .Area 001 Siren Aux
Jan01 02:21:43.5 Cont. Int/Ext. Siren On by .Area 001 with Sweep tone
Jan01 02:21:43.5 CT02 - Triggered
Jan01 02:21:46.4 Restore on C01:Z01
Jan01 02:21:46.4 Xmit Restore on C01:Z01 in .Area 001 asRo
Jan01 02:21:47.2 CT02 - Waiting to Dial: Sensed Dial
Jan01 02:21:47.2 CT02 - Dial .Phone 001 on attempt #01
Jan01 02:21:48.5 CT02 - Waiting for H/S: Sensed Dial
Jan01 02:21:50.5 CT02 - Waiting for H/S: Sensed Quiet
Jan01 02:21:52.2 CT02 - Waiting for H/S: Sensed AdFast
Jan01 02:21:52.6 CT02 - Modem Connect 1200 Baud
Jan01 02:21:52.6 CT02 - Tx Cmd \$6815
Jan01 02:21:52.9 CT02 - Rx Cmd \$6007
Jan01 02:21:52.9 CT02 - Tx Cmd \$6015
Jan01 02:21:53.2 CT02 - Rx Cmd \$6007
Jan01 02:21:53.3 CT02 - Tx Cmd \$600A
Jan01 02:21:53.5 CT02 - Rx Cmd \$0207
Jan01 02:21:53.5 CT02 - Hangup
Jan01 02:22:08.3 INSTALLER Pin accepted at LCD Term. #001
Jan01 02:22:09.1 Siren timer expired in .Area 001
Jan01 02:22:09.1 Cont. Int/Ext. Siren Off in .Area 001
Jan01 02:22:09.1 C01:X01 Off by .Area 001 Siren Aux
Jan01 02:22:09.1 C01:Z01 Isolated by Siren Lockout in .Area 001
Jan01 02:22:09.1 Isolate on C01:Z01
Jan01 02:22:09.1 Xmit Isolate on C01:Z01 in .Area 001 sio
Jan01 02:22:09.1 CT02 - Triggered
Jan01 02:22:12.8 CT02 - Waiting to Dial: Sensed Dial
Jan01 02:22:12.8 CT02 - Dial .Phone 001 on attempt #01
Jan01 02:22:14.1 CT02 - Waiting for H/S: Sensed Dial
Jan01 02:22:16.0 CT02 - Waiting for H/S: Sensed Quiet
Jan01 02:22:17.8 CT02 - Waiting for H/S: Sensed AdFast
Jan01 02:22:18.0 CT02 - Modem Connect 1200 Baud
Jan01 02:22:18.0 CT02 - Tx Cmd \$6815
Jan01 02:22:18.3 CT02 - Rx Cmd \$6007
Jan01 02:22:18.4 CT02 - Tx Cmd \$600A
Jan01 02:22:18.6 CT02 - Rx Cmd \$0207
Jan01 02:22:18.6 CT02 - Hangup
Jan01 02:22:21.2 C01:X02 Off by .Area 001 Alarm Aux
Jan01 02:22:21.2 .Area 001 Off by INSTALLER
Jan01 02:22:21.2 Prune Enables