

Taktis Fire Alarm Control Panel Operating Instructions



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INTERPRETING PANEL INFORMATION



The event tabs will numerically indicate active events on the panel; the active event type with the highest priority will automatically be displayed. Any event type can be accessed by pressing the associated tab. Monitor the LED indicators, Notification Appliance Circuits (NAC), and LCD messaging to interpret panel information.

Panel LEDs

For complete information about each event type, refer to [Section 1: Events and Status](#).

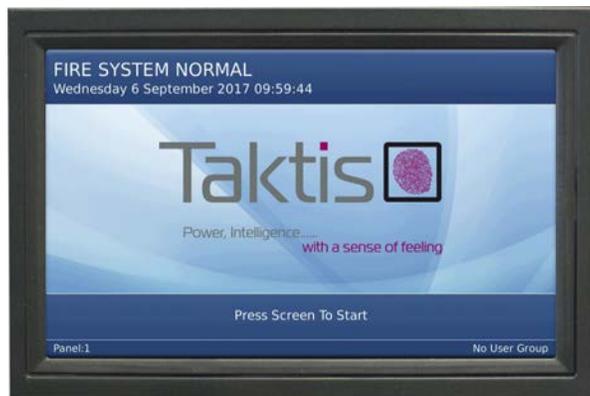
Fire 	A fire alarm or fire drill condition exists.
CO Alarm 	A CO alarm condition exists.
Supervisory Alarm 	A supervisory condition exists.
Pre-Alarm 	A pre-alarm condition exists.
Delay Active 	Output(s) are delayed from activating.
NAC Trouble / Disabled 	A trouble exists on one of the NACs OR Connections at this location are faulty or disabled.
 General Trouble	A General Trouble condition exists. Other LEDs may be illuminated that identify the nature of the trouble.
 Power Trouble	A power-related trouble condition exists.
 Disabling	One or more devices are intentionally disabled.
 On Test	Some or all of the fire system is in a test mode.
 NAC Silenced	The NAC silence feature is activated.
 AC Power On	AC power is on. In the FIRE SYSTEM NORMAL status, this LED is illuminated and all other LEDs are off.

Fire In Zone Indicators

Fire In Zone indicators are an optional feature provided on the fascia of the Taktis Fire Alarm Control Panel in single, double, or triple bank configurations. The following figure illustrates a single bank of 48 Fire In Zone indicators:



USER ACCESS LEVELS



FIRE SYSTEM NORMAL

The Fire System Normal display is visible on the panel GUI when operating in quiescent (standby) mode. Control buttons will appear on the panel GUI when there are active events.



The buttons available are based on the current user access level.

Press **Activate Controls** to log into user access levels.

This is the current user access level and access type.

No User Group

The No User Group access level does not require a log in code or operation of the front panel keyswitch. Specific functions are restricted when operating the fire control panel in the No User Group.

This level allows users to view system information and to perform simple tests. It also provides options for testing LED indicators of the fascia as well as color composition of the LCD panel GUI. Refer to **No User Group** for specific feature details.

User Access Level 2

Mandatory controls are included in features of access level 2. Access can be achieved via keyswitch or configurable password. Refer to [User Access Level 2](#) for specific feature details.

NOTE When using a panel with a Plex-Door Enclosure, User Access Level 2 is achieved by using the key to open the door.

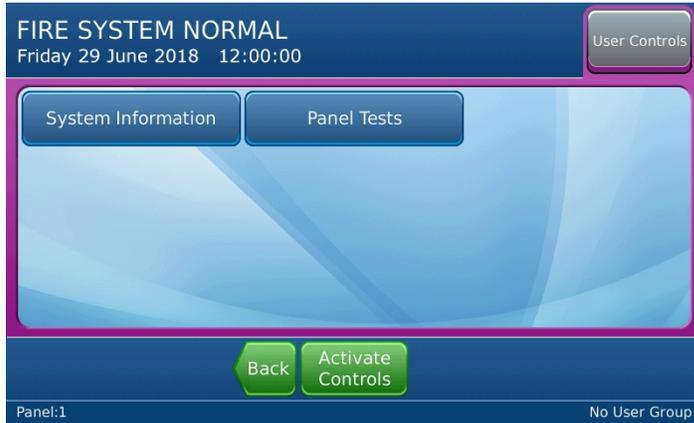
User Access Level 3

User Access Level 3 through the **Activate Controls** button on the panel GUI. A password must be configured for Level 3 Access.

NOTE After two minutes of inactivity, the panel will return to No User Group.

CONTROLS

No User Group



System Information

FIRE SYSTEM NORMAL
User Controls

Thursday June 14 2018 08:59:53

System Information

Software Version :	11150
Alarm Counter :	8
Panels Node Address :	1
Fire Manager :	ONLINE
LED Controller :	ONLINE
Watch Dog :	ONLINE

Back
Activate Controls
More

Panel:1
No User Group

FIRE SYSTEM NORMAL
User Controls

Thursday June 14 2018 09:00:05

System Information

Configuration Manager :	ONLINE
Event Log :	ONLINE
Local IO Controller :	ONLINE
Loop Controller :	ONLINE
IO Bus Version :	ONLINE

Back
Activate Controls

Panel:1
No User Group

Panel Tests



LAMP & BUZZER TEST

This test confirms operation of the indicator lamps and the buzzer. To perform the Lamp & Buzzer Test:

1. Press the panel GUI during the Fire System Normal condition.
2. Press **Panel Tests > Lamp & Buzzer Test**. The internal buzzer of the fire control panel sounds and all indicator lamps light for 5 seconds. Contact Technical Support if fascia lamps do not light.

DISPLAY TEST

This test confirms operation of the panel GUI. To perform the Display Test:

1. Press the panel GUI during the Fire System Normal condition.
2. Press **Panel Tests > Display Test**. A confirmation window will appear.
3. Press **Continue** to test the display. The panel GUI cycles through a series of blank raster colors.

User Access Level 2

The User Options menus are as shown:



System Information

Refer to [No User Group: System Information.](#)

Disabling



DISABLEMENTS

Certain parts of the fire alarm system can be temporarily disabled to suit conditions. All disablings can be performed from this window. Press the desired button for options when performing that specific disabiling.

To view the disabiling, and/or re-enable it, press the **Disabling** tab. All current disablings will be displayed, with options to **Enable** or show **More Details**. Alternatively, there will be an **Enable All** button at the bottom of the window.

Disable Positive Alarm



DISABLE POSITIVE ALARM

The Positive Alarm Sequence (PAS) provides a fire alarm delay if the responding party manually silences the alarm at the control panel. This action provides time to investigate an alarm before evacuating a building.

To disable the positive alarm, press **Disable Positive Alarm** and choose On or Off on the screen that appears.

Test Zones



TEST ZONES

To test zones on the fire control panel:

1. Press **Test Zones** on the panel GUI.
2. Check the desired boxes on the **Test Zones** window.
3. Press **Details View** for a more detailed view of the available zones.
4. Press **Submit**. Select **Yes** or **No** for the **NACs On** field and press **Submit** to test the zones. The zone(s) will be tested and the appropriate LEDs will light.

To view the test, and/or restore the zone, press the **Controls & Other Events** tab > **(#)Zone in Test**. All currently tested zones will be displayed, with options to **Restore** or show **More Details**. Alternatively, there will be a **Restore All** button at the bottom of the window.

Set Date & Time

The screenshot shows a control panel interface with a top navigation bar containing buttons for 'Fire', 'CO', 'Trouble', 'Supervisory', 'Disablement', and 'Controls & 1 Other Event'. Below this is a 'Set Date & Time' section with a purple header. It features a 'Cancel' button and an 'Apply' button. The date and time are displayed in a grid with columns for Hour, Minute, Second, Day, Month, and Year. The current values are 2, 21, 6, 17, 5, and 2018. Below each value are up and down arrow buttons for adjustment. At the bottom of the panel, a status bar shows 'May 17 2018 14:26:28', 'Panel:1', and 'Default User Logged in User Level 2'.

Hour	Minute	Second	Day	Month	Year
2	21	6	17	5	2018

SET DATE & TIME

Use this option to set the date and time. Use the arrows to increase or decrease the value for each field, or press the field to manually enter a new value.

View Event Log

The screenshot displays the 'View Event Log' interface. At the top, there are buttons for event categories: Fire, CO, Trouble, Supervisory, Disablement, and Controls & Other Event (selected). Below this is a 'Filtered Log 1' section with 'All events' and two filters: '64 Fire Events' and '1775 All Events'. There are also 'Print' and 'More Options' buttons. The log entries are as follows:

Time	Event Description	Action
13:48:48	Cleared Media Gateway internal fault	More Details
05/17/2018	Trouble	More Details
13:48:56	System Update	More Details
05/17/2018	Status	More Details
13:49:00	User Logged In	More Details
05/17/2018	Status Logged out	More Details
12:57:31	Event Log Cleared	More Details
04/12/2018	Status Engineer User : User Level 3	More Details

At the bottom, there are 'Back', 'Logout', and 'More' buttons. The status bar at the very bottom shows 'May 17 2018 14:26:28', 'Panel:1', and 'Default User Logged in User Level 2'.

VIEW EVENT LOG

This option displays the panel event log.

- Press **More Details** to display additional information about the selected event.
- Press **More Options** to filter the results by event type, date, panel, loop, zone, and/or address.

View Devices



VIEW DEVICES

To view the connected devices, press **View Devices** and select the desired Loop or Zone to view the connected devices.

Panel Tests

Refer to [No User Group: Panel Tests](#).

GUI Settings

GUI Settings

Dim screen with ambient light: Yes

Buzz buzzer on screen touch: Yes

Keyboard Language: English

Back Logout

May 18 2018 09:15:01 Panel:1 Default User Logged in User Level 2

GUI SETTINGS

To adjust the settings on the panel, press **GUI Settings**. The following options are available:

Dim screen with ambient light: Yes

No

Buzz buzzer on screen touch: Yes

No

Keyboard Language

English

Deutsch

French

Italian

Spanish

Portuguese

Russian

NOTE Only available if your panel has been configured with additional languages.

REVIEWING COMMANDS

The control panel must be in User Access Level 2 or above to operate commands; the following commands may be available, depending on active event types.



Silence Alarms

The **Silence Alarms** button silences the internal buzzer and all notification appliances as programmed. This will not affect the GUI display or LED indicators.

Re-sound Alarms

Press **Re-sound Alarms** to reactivate the internal buzzer and notification appliances as programmed. The **Silence Alarms** button re-appears on the panel GUI after performing the **Re-sound Alarms** command.



Buzzer Silence

The **Buzzer Silence** button silences the internal buzzer. No other outputs are silenced by this button.

Reset System

Press **Reset System** to clear latching events.

NOTE Latching events remain active until a system reset is performed, even after resolving the cause of the event. Non-latching events do not require a system reset and will clear after correcting the cause of the event.

To reset the fire control panel from the latching input:

1. Clear alarm conditions from external devices.
2. Press **Reset System** to reset the latching events and restore the panel to the Normal Standby Condition. After the system resets, the internal buzzer and external NACs of the fire control panel are silenced, and panel returns to a quiescent state.

WARNING! Alarm notification signals should not be silenced until all occupants have been evacuated.

GENERAL INFORMATION

Operating Instructions

These operating instructions shall be placed near the panel.

Inspecting Batteries

Inspect the standby batteries annually to determine the connection integrity to the Taktis Fire Alarm Control Panel. The fire control panel contains sealed lead acid batteries to provide standby power in the event of power failure. The standby batteries have a life expectancy of 3 to 5 years. Test the standby batteries annually in accordance with the battery manufacturer's recommendations to determine their suitability for continued standby operation.

Replacing Standby Batteries

Replace standby batteries when the service period reaches 3 to 5 years or when the low battery message is present on LCD display. The standard size cabinet of the panel accepts battery sizes up to 28 Ah. Batteries larger than 28 Ah may be mounted remotely in a UL listed battery cabinet. Batteries smaller than 28 Ah do not require special cabinet mounting considerations. The 5.25 A power supply charges up to 60 Ah; the 10.25 A power supply charges up to 100 Ah.

Related Documentation

The following document shall be used to provide additional information for installing and operating the Taktis Fire Alarm Control Panel:

Taktis Fire Alarm Control Panel Installation Manual (MAN-1431KE)

TROUBLESHOOTING

The following network-related troubles can occur on the Taktis Fire Alarm Control Panel. See the detailed descriptions below for explanations on each trouble message.

Trouble Message	Description
Network Communications Trouble	This event indicates there is no communication between this panel and its neighbor. This could be caused by a configuration error (such as using the wrong baud rate), a wiring error, or damage to the wires connecting the panel to its neighbor. If this trouble occurs on one link on the panel, then the panel is still in communication with other panels on the network. If this trouble occurs on both links on the panel, then the panel is no longer in communication with other panels on the network.
Unexpected Network Node	This event indicates a panel has been detected on the network that is not in the configuration. This is a configuration error, and should never occur once the network has been properly configured.
Network Card Missing	This event indicates that the panel is configured for networking, but there is no network card installed, or it is installed incorrectly. This trouble may also occur if the network card processor fails.
Connection Error	This event indicates that the panel has failed to get a meaningful result for the link impedance measurement. This may occur if stray leakage current enters the link wiring from elsewhere, or if there is a component failure or missing jumper on the network card. This event may also be shown when the network is disconnected or when the NET OUT + wire is disconnected.
Network Panel Missing	This event indicates that another panel is configured but has not been found on the network. This may occur if the missing panel is switched off or disconnected from the network. This fault will also occur if there is no communication between a panel and either of its neighbors on

Trouble Message	Description
	both links. In this case, the panel will show multiple instances of this trouble; one for each other panel on the network.
Network Node Double Addressed	This event indicates that more than one panel on the network has the same node number. This is a configuration error, and should never occur once the network has been properly configured.
Full Short Circuit Trouble	This event indicates that a short circuit has been detected by the link impedance measurement. This indicates a wiring error, or damage to the wires connecting the panel to its neighbor.
Full Open Circuit Trouble	This event indicates that an open circuit has been detected by the link impedance measurement. This indicates a wiring error, or damage to the wires connecting the panel to its neighbor. The following two troubles are optional, and are not included in the default firmware build.
Partial Short Circuit Trouble	This event indicates that the link impedance measurement has detected an impedance below the normally expected range.
Partial Open Circuit Trouble	This event indicates that the link impedance measurement has detected an impedance above the normally expected range.

Service Contact

Contact the company or individual responsible for providing service:

Name

Company

Primary Telephone

Secondary Telephone

Cell Phone

Address

City

State