OrionLX™ Tile Annunciator

The OrionLX Tile Annunciator is a web-based software-defined alarm annunciation product. The Tile Annunciator webpages are served directly from an OrionLX automation platform and provide simplified setup, categorization and viewing of active and acknowledged alarms in substation HMI and web-based SCADA applications.

Any data point in the OrionLX database, either obtained from attached IEDs or calculated, can be designated as an alarm point and displayed on the Tile Annunciator.

The Tile Annunciator is available on the OrionLXm or the OrionLX with the "CPX" High Performance CPU. Tile sizing, text sizing and page layout is optimized for use with the NovaTech 19" rack mount touchscreen monitor.
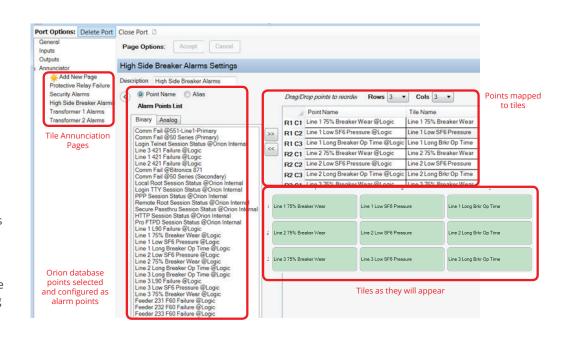
Summary of Features:
• Up to 60 alarm tiles per page, up to 24 pages; Total 1440 alarms
• Time-stamping to the precision of the point source, usually 1mS
• Tiles can be assigned either Orion point name, Alias* name, or user-defined name
• Alarm history provided
• Alarm state retained through power cycling
• User-defined alarm ON message and alarm OFF message
• Simple set-up in NovaTech Configuration Director ("NCD")

OrionLX Ordering Information:
Option #108. Requires the Alarm-Archive-Retentive (AAR) option. For OrionLX CPX or OrionLXm only.

Configuration Steps:

1. Select the points in the OrionLX database that should be alarm points.

2. Configure alarm parameters (ON state, OFF state, alarm message, retentive, etc.).

3. Add a Tile Annunciator page and name it.

4. Move alarm points to tiles using grid row and column coordinates (R1 C2, R2 C1, etc.).

5. Rename tiles as desired.

6. View tile arrangement. Rearrange tiles as desired using simple drag and drop.

* "Alias" is a feature in the OrionLX that enables users to assign an alternate name for Orion database points.
This alternate name can be used in multiple Orion applications such as Alarming, SCADA, and Sequence of Events.

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Tile Annunciator in Operation

Below are three Tile Annunciator pages (each captured at a different time):

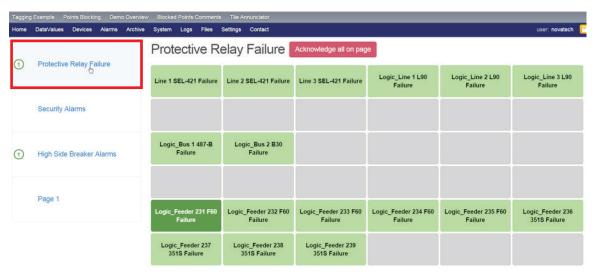On this "High Side Breaker Alarms" page, one active unacknowledged alarm is shown.
The "Security Alarms" page has two active alarms.
The "Protective Relay Failure" page has one active alarm.

On this "Security Alarms" page, two active acknowledged alarms are shown.
The "High Side Breaker Alarm" page has one point that was in alarm but went out of alarm, but was not acknowledged.

On this "Protective Relay Failure" page, one point that was in alarm went out of alarm and was not unacknowledged. The "High Side Breaker Alarm" page has one point that was in alarm but went out of alarm, but was not acknowledged. No alarms on the "Security Alarms" page.

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