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Inquire – Knowledge Base Article

Product Group: IMx
Product: IMx-M
Version: N/A

Abstract

This article discusses IMx alarm relay functionality, and how to configure an alarm relay.

Overview

As an IMx point is configured, the corresponding relay can be selected from the drop-down list (Figure 1).

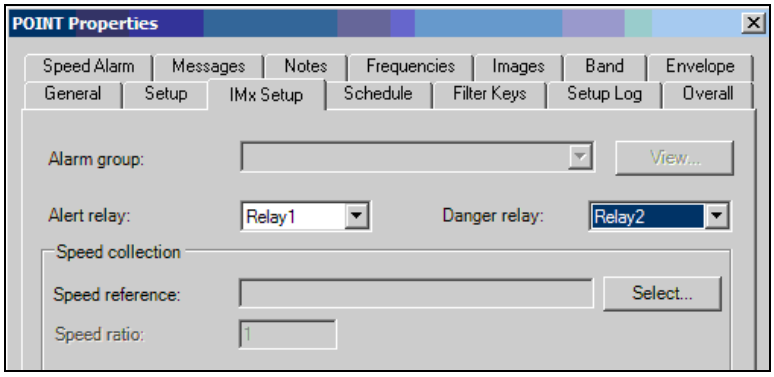

Figure 1. IMx-S configuration

The criteria for the relays to go in and out of the condition will be dictated by two factors:

- The overall alert/danger settings (Figure 2).
- The hysteresis settings (**Customize → Global** settings – Figure 3).

Figure 2. Alert/danger settings

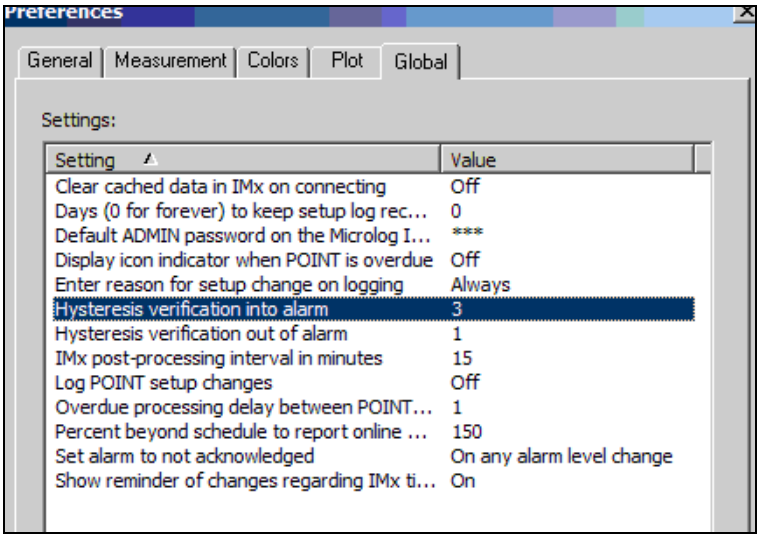

Figure 3. Hysteresis settings

The settings are sent to the IMx unit through @ptitude Analyst. The actual hardware performs checks based on hysteresis information.

The default hysteresis values shown above in Figure 3 are set to '3' and '1'. This means the relay will be triggered (go **into** alarm) once three (3) consecutive measurements conform to an alert condition. The relay will then come **out of** that alert condition if the following measurement for that point is recorded under the alert level.

The hysteresis values may be changed as desired. The settings are global for all elements in the program (all POINTs, for both alert and danger conditions). The settings cannot be segregated on a 'per-relay' basis – meaning all relays will conform to this setting.

Note: Acknowledging an alarm does not reset relay conditions. Measurement values, as evaluated by the IMx hardware, determine the relay state.

For further assistance, please contact the Technical Support Group by phone at 1-800-523-7514 option 8, or by email at tsg-americas@skf.com.