FURUNO

English

Electronic Chart Display and Information System (ECDIS) Operator's Guide

GAIN knob

No use.

The purpose of this guide is to provide the basic operation for this equipment. For more detailed information, see the Operator's Manual.

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Controls

The system can be operated with the controls or the trackball module. The procedures in this operator's guide use the trackball module.

Model FMD-3200/FMD-3200-BB/FMD-3300

PUSH TO PALETTE PUSH TO AUTO PUSH TO AUTO A/C RAIN A/C SEA GAIN

A/C RAIN. BRILL knob -A/C SEA knob Rotate: Adjusts the brilliance of

FURUNO or Hatteland No use.

monitor.

Rotary encoder for EBL Adjusts the active EBL.

Push: Selects a color palette.

Status LED

The color and state of the LED change according to alert status.

OFF: Heater on CPU board is on.

Green, lighting: Normal operation status; no alerts generated.

Red, flashing rapidly: Alert not acknowledged nor rectified. Red. flashing slowly: Alert not acknowledged, but rectified.

Red. lighting: SYSTEM FAIL or acknowledged but not rectified alert.

Rotary encoder for VRM

Adjusts the active VRM.

VRM1. VRM2

Activates, deactivates respective VRM.

POWER kev

Turns the system on or off. (This key may or may not control monitor on/off depending on monitor setting.)

USB port (under cover)

Connects a USB flash drive.

Trackball module

VIEW/

HIDE

ACQ/

ACT

TARGET

DATA

TARGET CANCEL

Operates like a PC mouse.

ALARM ACK kev

EBL1. EBL2

Acknowledges alerts: silences the audio alarm.

Activates, deactivates respective EBL.

InstantAccess knob

Accesses functions on the InstantAccess bar.

Rotate: Selects item.

Push: Confirms selection.

ESC kev

Goes back one step in current InstantAccess bar operation.



Kevboard

alphanumeric data.

Toggles operating modes.

UNDO kev

Undoes the last operation, when creating a route or user chart.

RANGE kev

Selects a chart scale.

VIEW/HIDE key

Shows, hides EBLs, Instant Access bar, Overlay/NAV Tools box, VRMs, Route Information box

ACQ/ACT key

Activates selected sleeping AIS target.

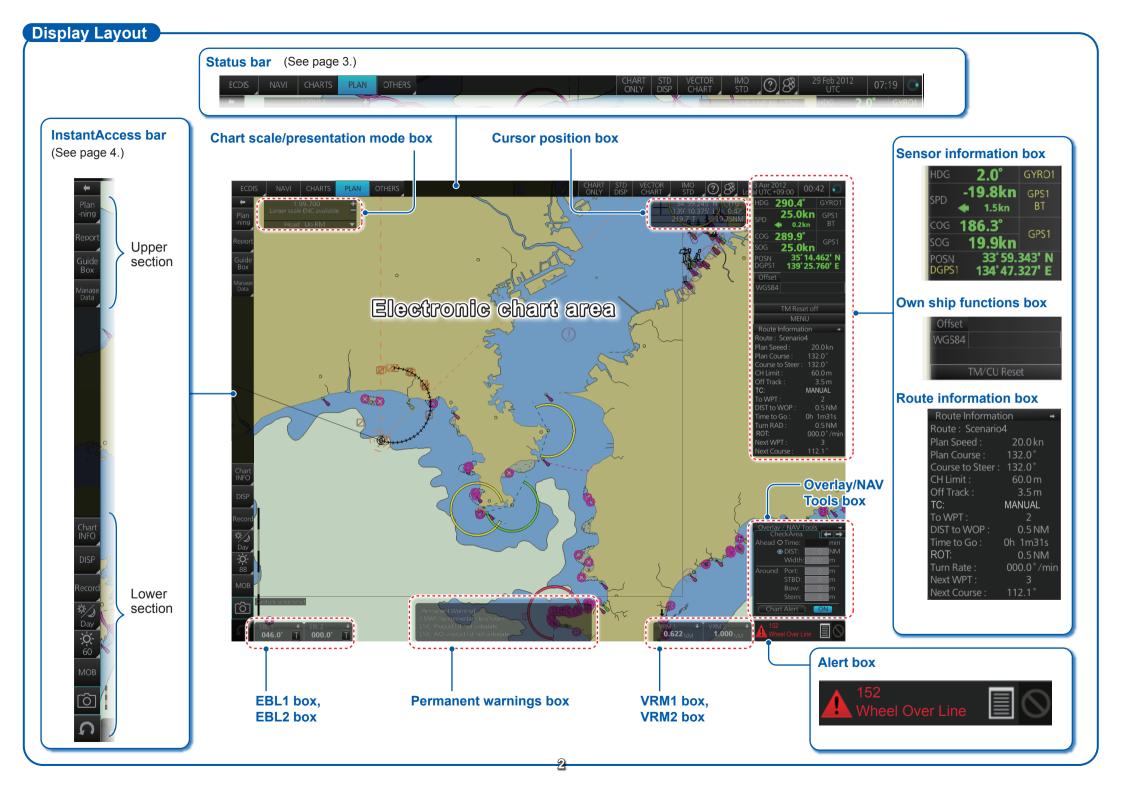
TARGET DATA key

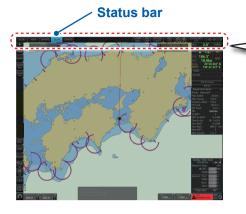
Displays the detailed target data for selected TT. AIŠ target.

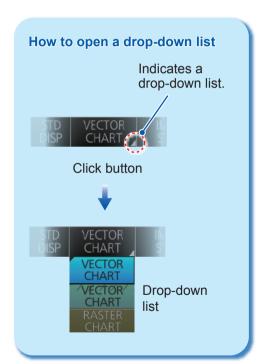
TARGET CANCEL kev

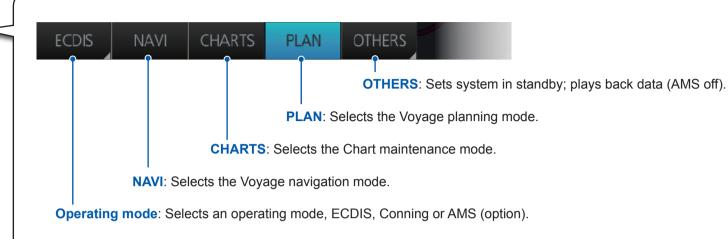
Sleeps selected activated AIS target.

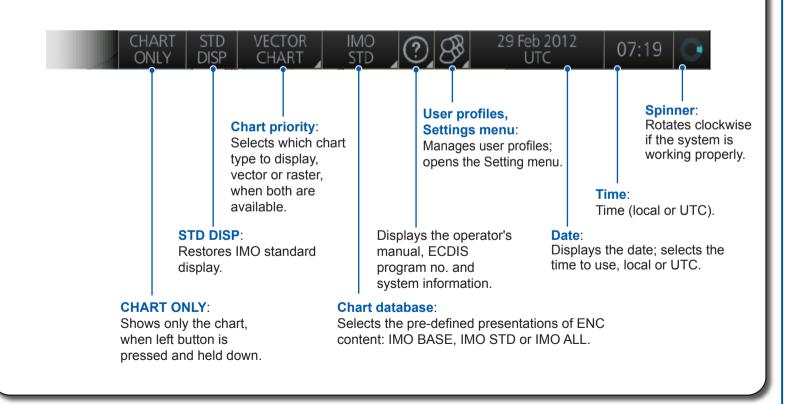


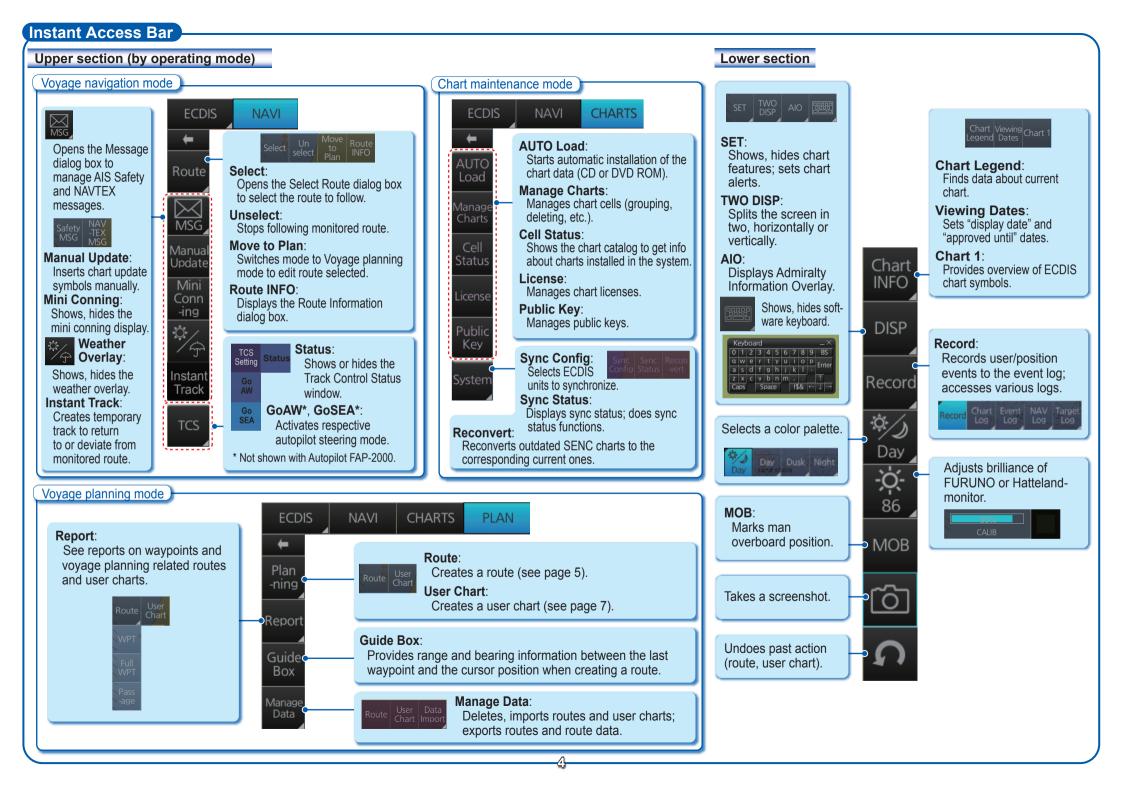


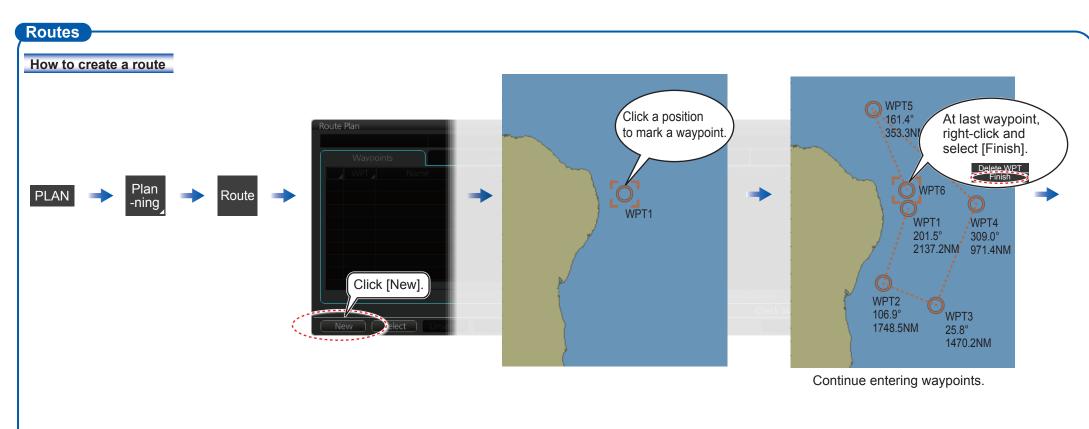


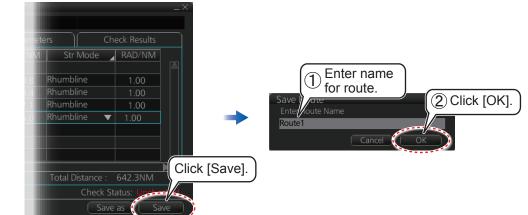


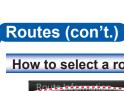




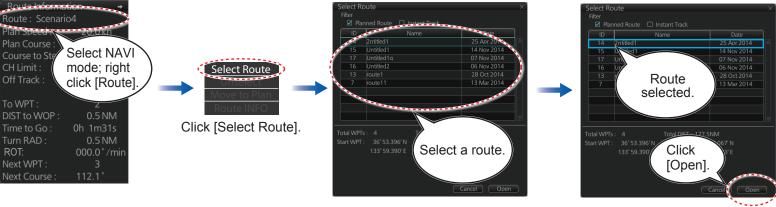






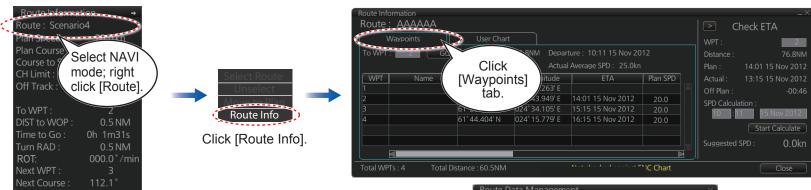








How to view route waypoint information



How to delete a route



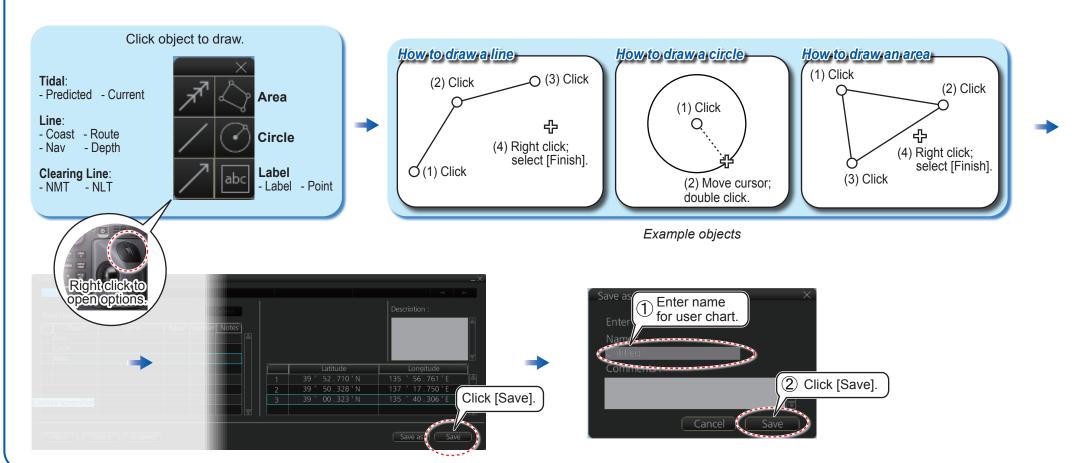


User Charts

How to create a user chart



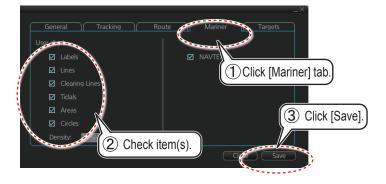




User Charts(con't)

How to select objects to display in user chart



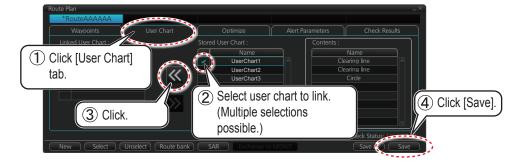


How to link a user chart to a route

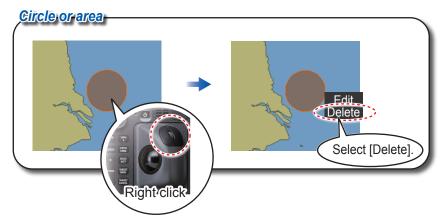


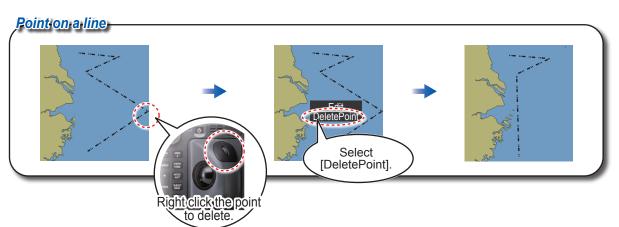






How to delete objects from a user chart





How to delete user charts





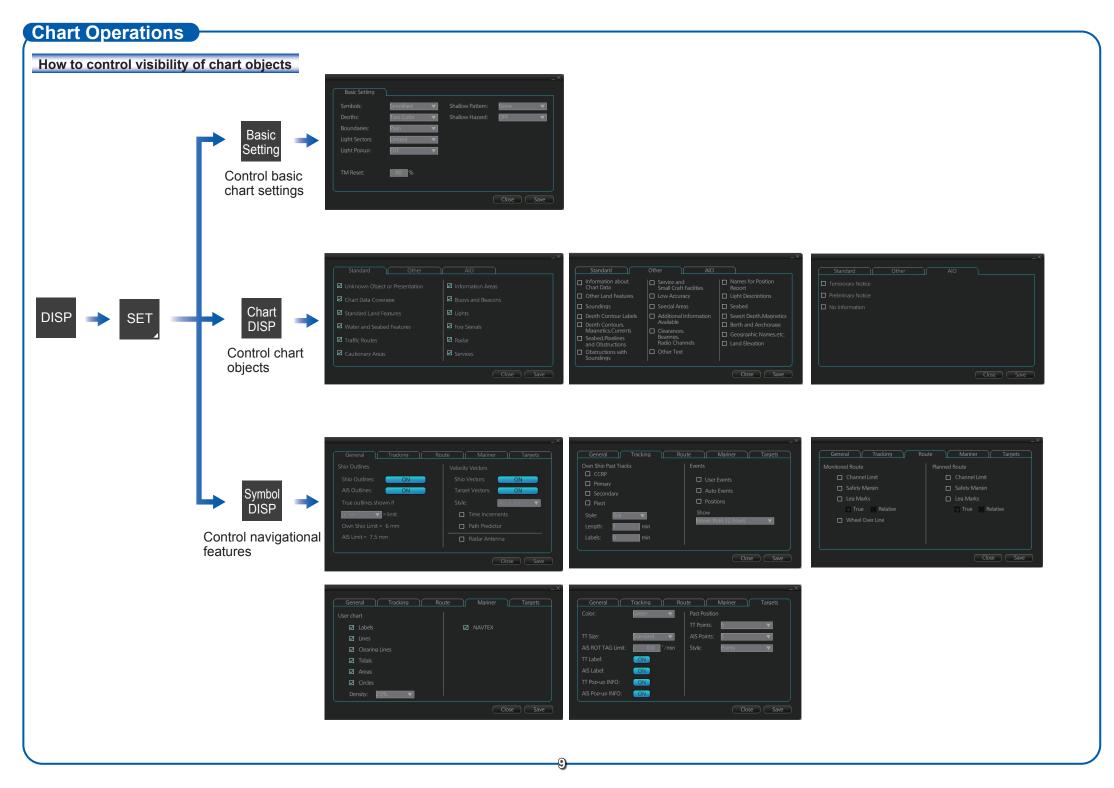
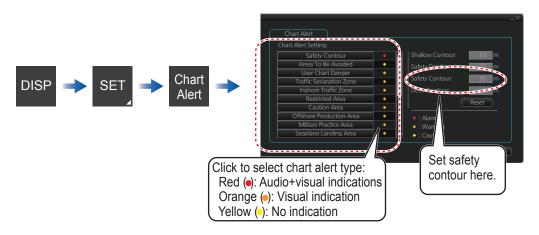


Chart Operations (con't.)

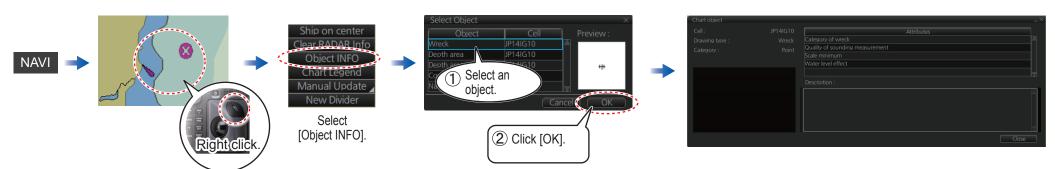
How to set safety contours and chart alerts



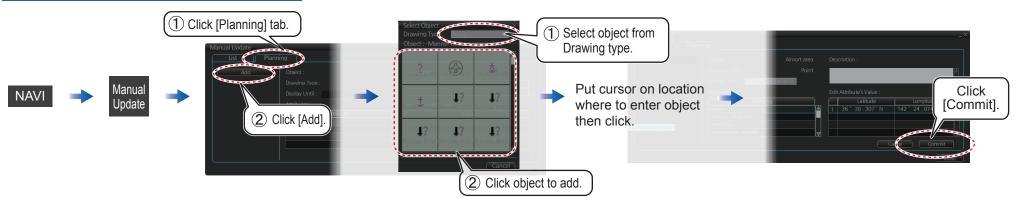
How to set Display date and Approved until dates



How to find chart object information (ENC chart)



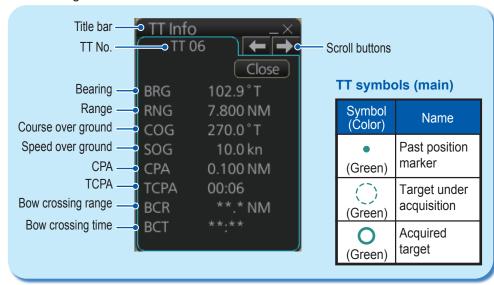
How to manually insert a "new" chart object

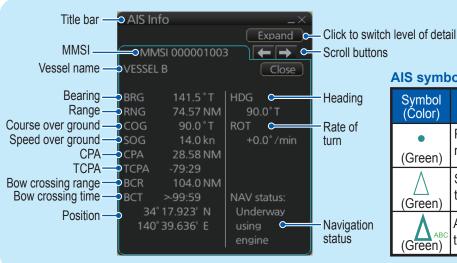


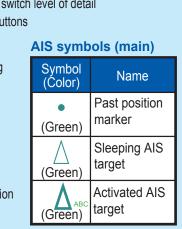
TT/AIS Operations

How to find target info

Click a target to show its information.







Vector

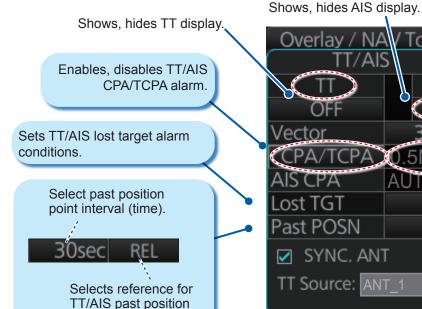
(ex. TT)

(ex. AIS)

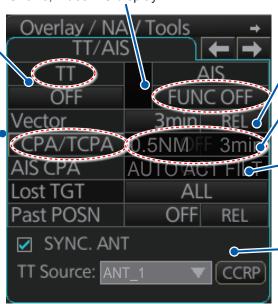
Selects

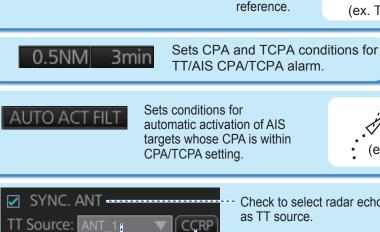
TT/AIS vector





display.





3min

Sets TT/AIS

vector time.



Set reference position in TTM sentence to CCRP or antenna.

Select TT source - radar antenna or TTM data.

TT/AIS Operations (con't)

Open the menu, select TT/AIS Setting and then Setting.1 or Setting.2 as appropriate.

AIS filter, how to sleep all AIS targets, auto activation of AIS targets by CPA



Sets the conditions to activate an AIS target when its CPA is within the CPA alarm setting.

AIS and TT lost target filters



Radar Overlay

Overlay / NAV Tools ← → Activates, deactivates the radar overlay. — Display: OFF Adjusts the picture gain. — Echo Level: Sets the degree of transparency for the overlay. — Density: Sets the item to display when a chart object—Priority: and a radar echo share the same position. Antenna: Selects the antenna to feed the radar echo data. Status:

OK



Alert Icons and Their Meanings

Status of the radar echo data, "OK" or "No Data".

		-
lcon	Alert state	Icon description
Alert priority: Alarm		
	Not acknowledged, Not rectified	Red triangle with black loudspeaker in center of triangle. Flashing every 0.5 s.
A	Not acknowledged, Not rectified Buzzer temporarily silenced.	Red triangle with crossed out black loudspeaker in center of triangle. Flashing every 0.5 s.
	Acknowledged, Not rectified	Red triangle with black exclamation point in center of triangle.
	Not acknowledged, Rectified	Red triangle with black check mark in center of triangle. Lights 3 s, off 1 s, repeat.
Alert priority: Warning		
•	Not acknowledged, Not rectified	Yellow-orange circle with black loudspeaker in center of circle. Flashing every 0.5 s.
X	Not acknowledged, Not rectified Buzzer temporarily silenced	Yellow-orange circle with crossed out black loudspeaker in center of circle. Flashing every 0.5 s.
•	Acknowledged, Not rectified	Yellow-orange circle with black exclamation point in center of circle.
✓	Not acknowledged, Rectified	Yellow-orange circle with black check mark in center of circle. Lights 3 s, off 1 s, repeat.
Alert priority: C	aution	
Į.	Caution	Steadily displayed yellow square with black exclamation point in center of square.

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