

Type 31 Lifeform Detection System

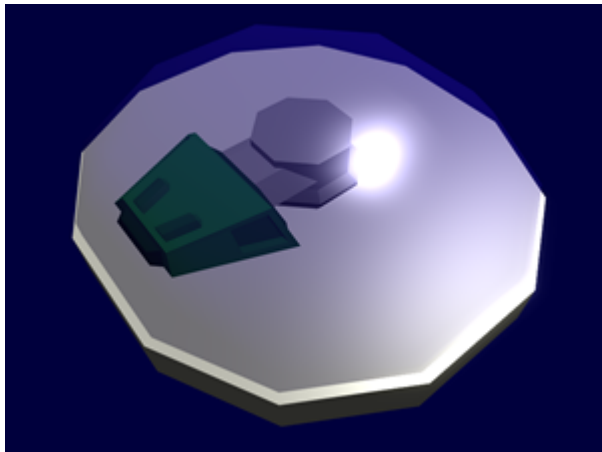
The Type 31 Lifeform Detection System (LDS) is based on the application of the [Ke-G1-E3100 - Life Form Scanner](#). It became available in [YE 31](#).

About the Type 31 LDS

The Type 31 LDS consists of a series of modules deployed on a starship or starbase controlled and monitored by the on-board computer. Useful for locating crew members, and preventing unwanted life forms from getting on unnoticed.

Appearance

The LDS appears as a small small module with a transparent blue dome. Typically mounted on the ceiling of a passageway or room. Inside the dome the scanner can be seen.



Dimensions

- Length: 20 cm (7.8 inches)
- Width: 20 cm (7.8 inches)
- Height: 6 cm (2.36 inches)

Features

- Range: 100 meters (all modes)
- Basic setting provides the most basic scan detecting that life forms are present.
- Filter setting allows the operator to filter out life forms based on class from simple organisms to more complex. This mode will actually attempt identify the life forms present, by comparing the signatures to known values.

- Manual mode of the scanner allows the user to select a specific type/class of life form for the scanner to search for.

Note: The scanner results can be affected by circumstances, for example a life form in a hibernation or stasis state. Nor can the scanner identify a single individual, unless that person has a unique physiology and it is stored in the scanner.

History

The Type 31 LDS was conceived by [Jalen Sune](#) of the [YSS Eucharis](#). It was created towards the end of [YE 31](#) after the [YSS Eucharis](#) was damaged and boarded. [Jalen Sune](#) found the lack of an easy way to locate crew members frustrating, and later the inability to detect boarders unacceptable.

The Type 31 LDS uses the Ke-G1-3100 from a [Star Army Science Scanner, Type 31](#) mounted upon a rotational unit that has a 60 rpm speed. The module is provided power by the mount, and is tied into the on-board computer system for control and interpretation.

Installation

Typical installation is to place one Type 31 LDS unit per deck to provide coverage of 100 meters from the unit.

Example: to provide proper coverage for the inhabitable portions of a [Plumeria-class \(2D\) Medium Gunship](#) a minimum of six units would be needed—one per deck. Only the outer portion of the Main Array would not be scanned, but as this area is uninhabitable, this is acceptable. And an intruder attempting to gain entry through there would be detected long before they got into the ship.

Usage

The Type 31 LDS is controlled by the ship's on-board computer and scans are run at predetermined intervals.

Ship Status	Interval
Normal	once every 30 minutes
Alert	1 per minute
Combat	60 scans a minute

The crew of the ship can also set set intervals and patterns for scanning to cover unique situations. For example, when loading supplies cargo containers can be scanned for stowaways, pests, parasites.

Calibration

The Type 31 LDS modules must be routinely calibrated to maintain efficiency. They should be calibrated at least once every 3 months.

OOC Notes

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