



PRODUCT OUTLINE

DE-LB-9DAi is a addressable fire panel with maximum coverage of 250 addressable devices connecting to each loop with any combination of detector and devices. The panel supports Daksh communication protocol. An arbitrary number of devices can be added to each zone thus ensuring the easy adaptation of the system to any type of configuration. To avoid or significantly diminish problems when mounting the system it must be carefully planned prior to installation.

This includes: establishing an address for every device and planning a name of maximum 26 digits (including the spaces) for each address, thereby ensuring easy access to the device. According to the acting standards for establishing fire systems and the plan of the building, the devices must be grouped in zones.

General Specifications

The front panel consists of color graphic TFT display (dimensions 480x272) and a light emitting diode indication and a keypad. Separate operator and engineer passwords provide access to the functions of the panel. The panel has a built-in real time clock and calendar, allowing day and night time modes of work. Switching over between the two modes can be automatic. Events like FIRE, RESET, fault, etc., are saved in the memory, thereby creating an event log-file. It contains the time and date, the address of the device, the type (module or detector), the name of the device, the zone, the name of the zone, panel number etc.

FEATURES:

- Works on **CAN bus** Communication Protocol.
- Multi Loops Configuration - from 1 to 12 loops.
- Up to 250 devices (detectors and modules, regardless of the type) per Loop.
- Microcontroller based fire alarm system.
- LED/TFT Display indication.
- Programmable control module to give flexibility to system.
- Password Protection to prevent unauthorized operation of keypad.
- Event logging with date and time.
- Alphanumeric keypad for onsite programming.
- Graphical Display with Backlit Display for easy operations.
- 26 Character for device text makes it easy to assign big name.
- Power supply and battery charger with all power signal.
- Battery backup with built in charger.
- Thermal Printer (Optional).
- Inputs - 4 programmable input contact (External supply needed for operation)
- Monitored relay outputs - 4 (Sounder, Fire, Fault and Fire Protection)
- Real time clock

- Up to 250 programmable Inputs/Outputs per panel
- Up to 16 timers
- Comprehensive day/night mode facility
- fully confirms IS: 2189
- Panel is certified to the following international standards
 - EVS EN 54-2:1999+A1:2006 &
 - EVS EN 54-4:1999+A1+A2

ELECTRICAL SPECIFICATIONS:

Earth connection:	The earth connection has to be realized in accordance with the rules for the electrical safety with the total resistance in the circuit lower than 10Ω. It is mandatory to connect the main power supply cable to the middle input of the fire panel terminal.
Main power supply:	In normal operating conditions the fire panel is powered from the mains voltage line. In case of mains voltage line loss the fire panel is equipped with one rechargeable battery. The characteristics of the main power supply are as follows:
Main Power Supply :	~230V ±10%
Frequency :	50Hz
Electrical output :	4.5A
Battery Power Supply	
Voltage output (U):	24V
Current output (I):	4.5A
Number of the Batteries:	2, 12V/ 4.5Ah
Battery Size:	167x181x76mm
List of the fuses	
General Power Supply:	2A, T Type
Outputs:	0,3A, PTC Type

ENVIRONMENTAL SPECIFICATIONS:

Working Temperature	: -05°C up to +65°C
Relative Humidity	: up to 95% (without condense)
Storage Temperature	: -05°C up to +65°C

MECHANICAL INFORMATION:

Dimension	According to dimensional drawing.
Colour	Cream White
Housing	CRC Sheet, Power Coating
Mounting Holes	4 Holes at the back side of Panel Box
Installation	Wall Mounted
Weight (without the battery):	10kg.

CONTROL & INDICATION

Front panel

LED-indication of the events provides following functions:

MAINS ON	: Mains power indication
BATTERY MODE	: Indication that panel running on Battery (Mains power Failure)
SYSTEM FAULT	: General SYSTEM FAULT Indication
SUPERVISORY	: General Indication for Silenced Sounders
DISABLE	: General Indication for introduced Disability
NETWORK ERROR	: General indication for error in network communication
EARTH FAULT	: General indication for fault in earth
PRE ALARM	: Indication for zones in Pre-Alarm Condition
FIRE	: General FIRE Indication
FAULT	: General FAULT Indication
EVACUATE	: General indication for emergency evacuation
SILENCE	: General indication for silence
DELAY	: General Indication for Active Delay in any of the Outputs
DELAY OVERRIDE	: General Indication for Deactivate Delay in any of the Outputs

Key Button indications and uses:

0 – 9	: Used to access the menu items & used to feed the device text
MENU	: Used to access the menu of the system
Esc/Back	: Used to return to the previous page
RESET	: Used to reset the panel
LT	: Used to test the LED's
SILENCEBUZZ	: Used to silence the internal buzzer
DELAY	: Used to Deactivate Delay in any of the Outputs
EVACUATE	: Used to Active all the outputs in case of emergency
SILENCEALARM	: Used to silence the alarm & deactivate the output
RE-SOUND	: Used to activate the output which is silenced after silence alarm
BLANKBUTTON	: Used to program the address of the device



**AN ISO:9001:2015
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EN 54-7**

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Note: It is essential to ensure that only known compatible components are used in a fire detection system. If in doubt, always consult the fire control panel supplier/manufacture.