

PRODUCTS CATALOGUE



2023

Addressable Fire Alarm
& Detection Systems



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WHY DAKSH ?



EN-54, NFPA-72, ERTL,
BIS & STQC Complied Fire
Detection Systems

Daksh Electronics Private Limited, established in 1999, is one of the most technologically advanced, ethical, and well-known companies for adopting and executing the latest technologies in the field of fire security systems and other threat detection systems. In the astonishing span of over two decades, Daksh has successfully commissioned over 1000 major and minor projects in India and around the world.



ABOUT US

Daksh second edition of the Fire Detection System and Life Safety products catalogue contains innovative and intelligent products for a broad range of applications in life safety domain.

With the moto of “One Source Complete Solution” Daksh has been manufacturing and supplying fire alarm systems and life safety products for more than 20 years. Having grown to become one of the leading manufacturers in India, Daksh also shares the prestige of commissioning products in prestigious government organizations like DMRC, Jaipur Metro, NFL, PWD, CPWD, GAIL, etc.

Daksh electronics have more than 100 distribution channels in India with trained professionals for easy installations and services.



Respecting the strictest National, International laws, standards of product and service quality, Daksh activities are accredited to ISO9001, EN54, STQC, CE etc. Our customers have the confidence that Daksh electronics can provide complete solution as per the need of site and building users. This is made possible via a strong network of R&D professionals, service team members and In-house manufacturing unit. Daksh Electricals is among the very few companies which continually invests huge budget on R&D and service networks.



Daksh is unconditionally and entirely “MAKE IN INDIA” brand with its state-of-the-art manufacturing and R&D facility in New Delhi and Uttarakhand. Daksh is one of the most ethical and reliable brand with having experience of serving the Nation and Government of India for more than 20 Years.

INTELLIGENT ADDRESSABLE FIRE ALARM CONTROL PANEL MULTILOOP

An addressable fire alarm control panel is a central device that manages and monitors a network of addressable fire alarm devices, such as smoke detectors, heat detectors, pull stations, and other devices that are interconnected using a digital communication protocol.

Details

DE-ML-9DAI

- Works on CAN bus communication protocol
- Can be expanded upto 16 loops by adding loops card
- 1 to 16 loops panel with up to 250 device per loop in any combination.
- Peer to Peer network communication for up to 64 panels. Can support 256000 devices in any combination.
- Duplicate address sensing enabled.
- In-built short circuit protection for loop.
- 7000 events log with date and time stamp.
- 1024 zones can be formed for enhanced addressability.
- Battery backup of 48 hours as per IS-15908:2021
- 4096 programmable MODBUS points
- In-built thermal printer for event log.
- 4.3" TFT display with brightness control feature and alphanumeric key- board for on-board programming.
- Robust MS- Cabin for better reliability.
- E.R.T.L, STQC, CE and EN54 complied.
- Network association
- Day Night Sensitivity modes.



INTELLIGENT ADDRESSABLE FIRE ALARM CONTROL PANEL 2 LOOP

The “2 loops” refer to the number of separate circuits or “loops” that can be connected to the control panel. Each loop can support a 250 addressable devices in any combination. This control panel is used where the number of addressable devices are low.

Details

DE-LB-9AI

- Works on CAN bus communication protocol
- Maximum 2 loops with 250 devices per loop in any combination.
- 1024 programmable MODBUS Points.
- 128 zone for enhanced addressability.
- 4.3" TFT display with brightness control feature and alphanumeric keyboard for on-board programming.
- Duplicate address sensing enabled.
- In-built thermal printer for event log.
- Robust MS- Cabin for better reliability.
- E.R.T.L, STQC, CE and EN54 complied.
- Network association
- 7000 event logs capacity
- Peer to peer communication



OVERVIEW FIRE DETECTORS

Daksh Electronics offers a range of Intelligent Addressable fire detectors and Conventional Fire Detectors. These PLC-based detectors use thermistors and the principle of the photoelectric effect. The detectors comes with unique features like pinpoint addressing, drift compensation and dual LED indications.



We Offer Different Types of Detectors and Bases

Generlists



Smoke Detector



Multi Detector



Heat Detector



Detector Base



Detector Base with short circuit isolator

- Intelligent Addressable Fire detectors
- Semi/Hybrid Addressable Fire Detectors
- Conventional Fire Detectors
- Standard Detector Base
- Detector Base With Short Circuit Isolater
- Loop Sounder Base

ADDRESSABLE HEAT & SMOKE MULTICRITERIA DETECTOR

An Addressable Multi Detector is a type of fire alarm system device that is capable of detecting smoke along with heat. This analog addressable device uses an optical Sensing chamber as well as thermistor based heat sensor to Detect Fire. Addressing of these devices shall be done manually via external hand held programmer.

Details



DE-HSD-9I

- Soft addressing by use of handheld address programmer.
- Dual LED indicators for 360° viewing.
- Inbuilt response indicator output
- Low standby current of 60µA Two-wire SLC connection.
- Microcontroller based processing, eliminate false alarm.
- Fully confirms IS: 2189
- Removable sensing chamber for easy maintenance.
- Highly sensitive Infrared photo Sensor and thermistor-based Heat Sensor.
- EN54 Complied.
- Fixed heat and rate of rise
- Drift compensation
- Four level sensitivity, detector sensitivity can be programmed through control panel



ADDRESSABLE HEAT DETECTOR

An Addressable Heat Detector is a type of fire alarm system device that is designed to detect the increase in temperature that occurs when a fire starts. This device uses thermistor as sensor to detect fire like situation. Addressing of these devices can be done by using hand held programmer device.

Details

DE-HD-9I

- Stable comm. technique with noise immunity.
- Semi-conductor based highly sensitive detector.
- Addressing using handheld programmer.
- Dual fire alarm indicators for 360° viewing.
- Inbuilt response indicator output.
- Micro controller-based device
- Low standby current.
- Two-wire SLC connection.
- IS: 2189, STQC complied.
- Remote test facility from the panel
- Dual bi-color LED indication for 360° viewing angle
- EN54 complied.
- Four level sensitivity, detector sensitivity can be programmed through control panel



ADDRESSABLE SMOKE DETECTOR

An addressable smoke detector is a type of smoke detector that is connected to a fire alarm control panel via a communication network. Unlike conventional smoke detectors, which are wired in parallel to a control panel and cannot distinguish between different detectors, addressable detectors have a unique identification code that allows the control panel to determine the exact location of the detector that has detected smoke or fire.

Details

DE-SD-9I

- Soft addressing by use of handheld address programmer.
- Dual LED indicators for 360° viewing.
- Inbuilt response indicator output
- Low standby current of 60µA
- Two-wire SLC connection.
- Microcontroller based processing, eliminate false alarm.
- Fully confirms IS: 2189
- Removable sensing chamber for easy maintenance.
- Highly sensitive Infrared photo Sensor and thermistor-based Heat Sensor.
- EN54 Complied.
- Drift compensation
- Four level sensitivity, detector sensitivity can be programmed through control panel



ADDRESSABLE CONTROL MODULE

An addressable control module is a device of a fire alarm system that is used to control and change a specific output or device, such as a notification appliance or damper.

Details

DE-CM-9I

- Built-in identification automatically identifies third party devices to the control panel.
- Integral LED "blinks" RED each time a communication is received from the control panel and turns on in steady red when activated.
- Turn on/off any device according to given condition
- Relay Automatically Reset when panel resets or In case of power failure.
- Internal circuitry and relay powered directly by two-wire SLC loop.
- Wide viewing angle of LED.
- Addressing using handheld programmer.
- Addressable –analog communication.
- Available in 1 to 16 way module.
- Compatible with DAKSH panel.
- Micro controller based device.
- Low standby current.
- Fully confirms IS: 2189



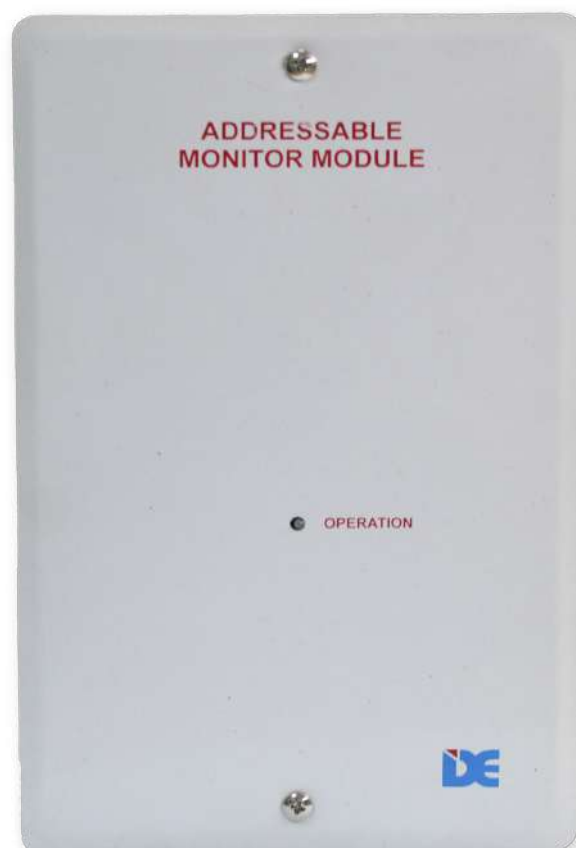
ADDRESSABLE MONITOR MODULE

An addressable monitor module is a device used in fire alarm systems to monitor the status of a connected fire alarm device and report that status to the main fire alarm control panel.

Details

DE-MM-9I

- Built-in type identification automatically identifies third party devices to the control panel.
- Integral LED "blinks" RED each time a communication is received from the control panel and turns on in steady red when activated.
- Relay Automatically Reset when panel resets or In case of power failure.
- Internal circuitry and relay powered directly by two-wire SLC loop.
- Wide viewing angle of LED.
- Addressing using handheld programmer.
- Addressable –analog communication.
- Available in upto 16 way module
- Compatible with DAKSH panel.
- Micro controller based device.
- Low standby current.
- Fully confirms IS: 2189



ADDRESSABLE INPUT MODULE

An addressable input module is a component of a fire alarm system that is used to monitor a specific input or detector and provide information about its status to the main control panel.

Details

DE-IM-9I

- Integral LED “blinks” RED each time a communication is received from the control panel and turns on in steady red when activated.
- Wide viewing angle of LED.
- Soft addressing by use of addressable programmer
- Addressable –analog communication
- Available in upto 1 to 16 way module.(Dry Contact)
- Micro controller based device
- Low standby current.
- Fully confirms IS: 2189



ADDRESSABLE MANUAL CALL POINT

An addressable manual call point is a type of device used in fire alarm systems to manually trigger an alarm in the event of a fire or emergency. It is designed to be easily accessible and identifiable, and is typically located in strategic locations throughout a building, such as near exits or in areas where a fire is most likely to occur.

Details

DE-MCP-9I

- Sends manual alarm signal to control panel via 2-wire bus.
- High reliability and wide range application.
- Push down glass type rather than Break glass type to avoid frequently changing classes.
- Super-thin structure design.
- Key Protected manual fire initiation Device.
- One red LED indication.
- Fully confirms IS: 2189
- Anti-tamper facility.
- Enhanced aesthetics and compact design.
- Resettable element available
- Integral LED controlled from panel
- Model available protected to IP67
- Backward compatible with CLIP panels



ADDRESSABLE HOOTER CUM FLASHER

An alarm with flasher is a type of warning device that combines an audible alarm with a flashing light. It is commonly used in settings where a traditional audible alarm may not be sufficient to alert people to potential hazards or emergencies.

Details

DE-HCF-MINI

- 24 Volt DC operation
- High Sound output
- Flash indication.
- ABS Plastic Body
- Wall mounted type
- Attractive look
- Suitable for Mall, Bank, Restaurant etc
- Suitable for sound polluted areas
- Low power consumption
- Fully confirms IS: 2189
- Sound output 90db at 1 meter



ADDRESSABLE ACTIVE FIRE REPEATER PANEL

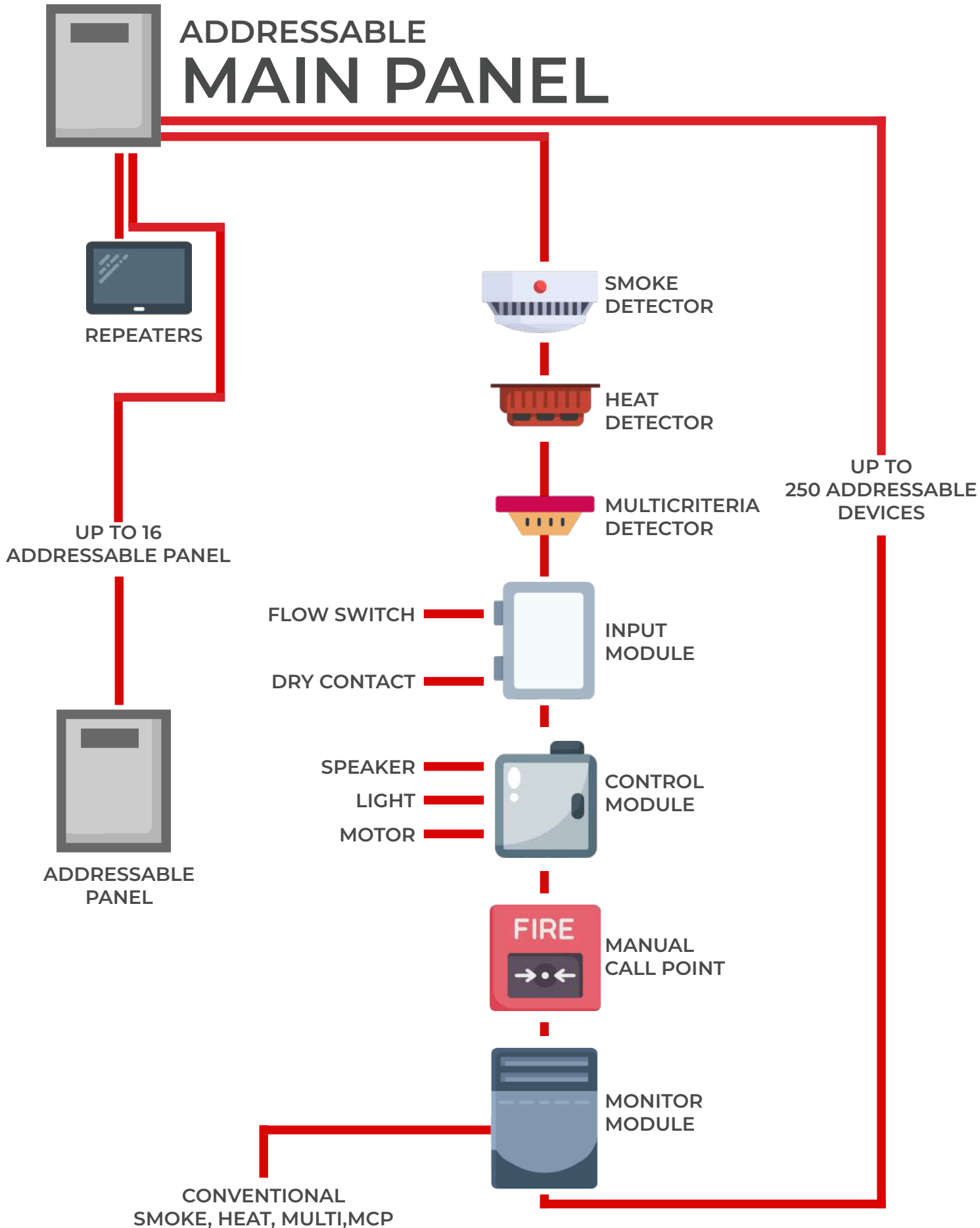
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Details

DE-REP-9I

- Works on CAN bus Communication Protocol.
Work on 24V DC Power supply.
- Microcontroller based.
- LED/TFT Display indication.
- Simple wiring, adopt four-line bus, two electric power lines, two serial communication lines
- Lower consumption.
- Easy Installation.
- 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.
- Thermal Printer (Optional).
- Real time clock.
- Comprehensive day/night mode facility
- fully confirms IS: 2189





EMPHASIS ON R&D

When you invest in security and safety technology, your investments should be secure. The innovative, future-oriented nature of Daksh products is a direct result of our high priority on Research & Development. We invest a large portion of our budget in our in-house R&D. The result speaks for themselves as the hold of Daksh in Addressable Fire System and the newly introduced hybrid technology.

TEAM WORK

We foster an environment that encourages innovation, creativity and results through teamwork. We practice leadership that teaches, inspires and promotes full participation and career development. We encourage open and effective communication and interaction to maintain transparency between our departments.

EXCELLENCE

We continually work on improving our products, our processes and ourselves. We always strive to understand our customer's businesses and help them achieve their goals. We are dedicated to diversity, fair treatment, mutual respect and trust.

THOUGHT

Continually improving Quality of Products by replacing discrete components with SMD components. Process & Systems-By introducing Pick and placement machines, Reflow oven, Stencil Printers etc. Fulfilling customer requirements through involvement of employees



THANK YOU



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