

DESCRIPTION:

The Function of this unit is to repeat the indications which are visualizing on main panel for remote annunciations. This unit also communication to main panel via **CAN bus** Communication protocol. It Work on 24V DC Power supply and also has internal Microcontroller to repeat the indications.

The panel supports Daksh communication protocol. To avoid or significantly diminish problems when mounting the system it must be carefully planned prior to installation.

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.
- 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



ELECTRICAL SPECIFICATIONS:

The characteristics of the main power supply are as follows:

Main Power Supply :	DC 24V (powered on by fire alarm control panel)
Frequency :	50Hz
Electrical output :	4.5A

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 dimential 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):	8kg.

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



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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.