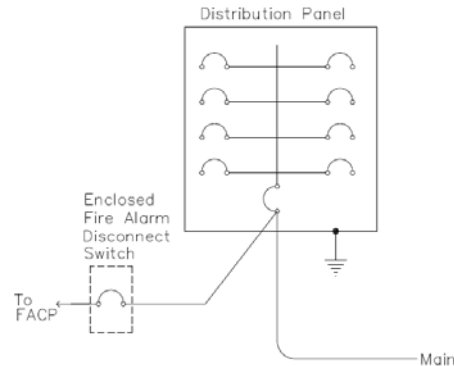


# Enclosed Fire Alarm Disconnect Switch

1P, 16A, 230V.



As an important life safety system, fire alarm control panels (FACP) should be fed with mains permanently. In most projects, FACP is often fed from mains without UPS. Therefore, in case of intentional or unintentional power supply interruption, FACP depends on its internal backup batteries until depletion! To decrease the power interruption probabilities, FACP has to be fed from the main (line side not load side within distribution panels) in such a way that no one can disconnect power supply feeding the FACP, see below line diagram.



However, in case of emergency, maintenance, testing ... etc main has to be disconnected. This can be achieved using box comprising enclosed isolator (switch disconnecter) with lockable hinge mechanism.

**Mastering & Innovation Est.** designed NEMA1 enclosure for this purpose for indoor use that can be installed within electrical rooms of residential buildings, commercial buildings and other areas where a general purpose enclosure is applicable. The enclosed isolator is front operated with optional (if required) energization green 230V LED indication light.

For safer electrical connection, a 25mm diameter knockout at the backside of enclosure is dedicated for incoming as well as outgoing wiring. It is suitable for connection to line-side coming from service entrance point (distribution panel).

For professional wires termination, a grounding-terminal-block as well as neutral-terminal block are included inside the enclosure such that all parts that could be life at any moment are completely insulated and safe. Alert sticker is affixed inside the enclosure showing that incoming wiring are live and coming from line-side at service entrance point. Energized signaling green colored LED lamp can be added to the NEMA1 enclosure (if required).

Two 25mm knockouts are available at the enclosure bottomsides – can be used in case of recessed conduiting – for flush installation. Yet, these two bottom knockouts could be neglected in case of surface mounting such that back knockout with grommet is used to pass wiring.



*Surface-mounted (exposed) installation.*



*Flush (recessed) installation.*

When disconnecting power supply is a must - for maintenance purposes, isolator can be switched off and pad locked at the front side of the enclosure by maintenance team to prevent intentional or unintentional switching of power feeding the FACP (the load).

#### Features:

- \* Elegant design, smooth finishing, without knockouts at sides or top.
- \* Red colored finishing matching with FA systems regulations
- \* Compact size, suitable for small-size-electrical-rooms, narrow-isles and restricted-areas.
- \* Front-written alert, indicating that this disconnect switch is related to life safety system (FA system) and supposed to be always energized. Could be used for security, safety, critical loads ...
- \* (optional) 230V green LED indication light, showing that load is energized once isolator is switched on.
- \* Fully grounded chasses once connecting grounding wire to ground terminal block inside.
- \* 1P,16A, 6kA isolator (switch disconnecter) ABB made, model number SHD201/16.
- \* Front lockable hinge mechanism to prevent intentional switching of the isolator.
- \* Easily surface mounting over flush 70mmX70mm box with perfect aesthetic setup once installed. Yet, flush mounting is possible as well - by immersing the enclosure in the block/break and have final plastering flush with the final finishing.

\* \* \*



**Mastering & Innovation Est.**

P.O.Box 20303 Amman 11118 Jordan

Tel.Fax 962 6 4627075

Mobile 962 79 6624708

E-mail: maher\_okush@hotmail.com