

FAY
MECHANICAL EARTHQUAKE SWITCH
USER MANUAL

DESCRIPTION:

According to TS12884 standard, this device operates automatically with earthquake effect and switches from Normally Open position to Normally Closed position. It is designed to act as an earthquake switch to interrupt or direct the electric current by giving dry contact. The device makes the desired shutdown when exposed to seismic vibrations the acceleration ranges given in the standard conditions. Factory settings are made in this way and offered to user service. Settings are tampered with. It is not expected to operate at different values. After device is switched off, it does not self-install and does not allow electricity flow. **For reset, the device is re-installed by pulling the pull handle back and the flow is provided.**

USAGE PLACES:

It is used in elevator, generator, electrical panel, fire panel etc. systems.

TECHNICAL SPECIFICATIONS:

MODEL : EQS – ELEVATOR

OPERATING TEMPERATURE: -23°C / +65 °C

ELECTRICAL RATINGS 16A 125/250VAC

DRY CONTACTS : (NO) / (NC) / (C) COMMON END: (C)

BEFORE EARTHQUAKE: (NO)

AFTER EARTHQUAKE: (NC)

SWICH BRAND /MODEL : DONG HAI KW3-OZ-B113033L6

CABLE THICKNESS : TTR 3 X 0.75MM

CE DIRECTIVES : 2006/42/EC - TS EN 12100 - LVD 2006/95/EC - TS EN 60204-1

APPLIED SEISMIC STANDARDS : TS 12884 /ASCE 25-16

MAINTENANCE FREE THROUGHOUT ITS LIFETIME

DIMENSIONS :

Height:113mm Width: 100mm Depth:100,5mm

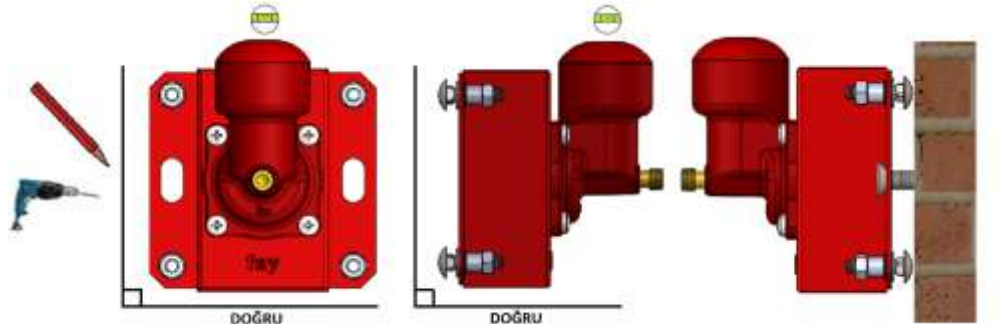
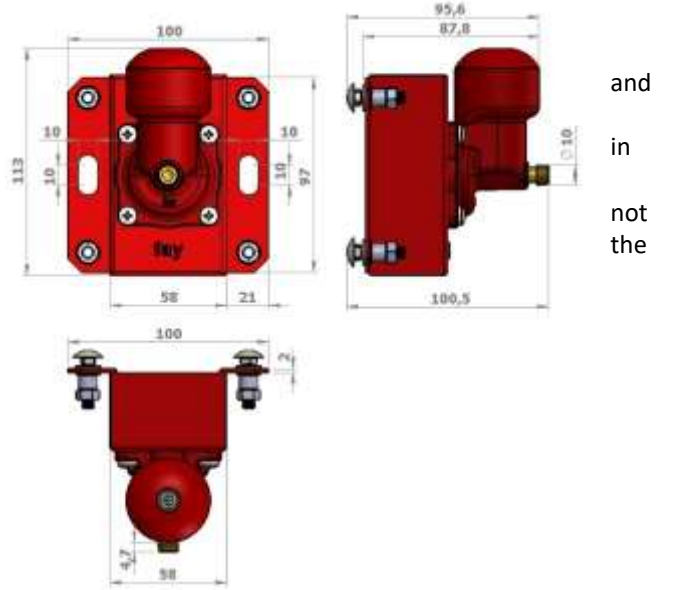
WARNINGS:

IN THE EVENT OF AN EARTHQUAKE, THE DEVICE OPERATES WHEN THERE IS A SEISMIC MOVEMENT AND ACCELERATION AT THE ACCELERATION VALUES SPECIFIED IN TS12884 AND ASCE2516. IT SWITCHES FROM THE (NO) POSITION TO THE (NC) POSITION. IN THIS CASE, IT GIVES CONTACT TO THE CONTACTOR. TO REINSTALL, AFTER TAKING ALL SAFETY PRECAUTIONS, PULL BACK THE FRONT CROWN. THE SYSTEM WILL RETURN TO THE STARTING POSITION BEFORE THE EARTHQUAKE. AFTER THE DEVICE CUTS OFF THE ELECTRICITY SUPPLY, THE DEVICE SHOULD BE ADJUSTED AND ACTIVATED ONLY AFTER THE AUTHORIZED PERSON DETERMINES THAT THERE IS NO LEAKAGE. THIS DEVICE MUST BE INSTALLED BY THE AUTHORIZED INSTALLER IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. IF NOT PROPERLY INSTALLED, IT MAY NOT OPERATE AS INTENDED OR THERE MAY BE A NON-WARRANTY POWER FAILURE.

MONTAJ TALİMATLARI:

- It must be installed by authorized persons.
- It is designed for indoor enclosed spaces.
- In order for the device to detect the earthquake in its intensity, it must be installed on a solid ground,

level and firmly. Column or curtain concrete floor should be selected to detect seismic movement in the building where it is installed. This warning is important to prevent the seismic vibrations during the earthquake and the vibrations caused by the loose surface from moving in different directions and damping each other.



- At a height of 1.5 m, a line is drawn horizontally and level. The place where the device will be placed on this line is marked at 13 cm intervals.
- The marked place is drilled with an 8-10mm drill. Dowels are nailed to the wall.
- The device is brought on the dowels. It is fixed to the dowels with a key-mouth screw.
- The device must be assembled in balance. It is leveled on these axes by tilting forward and backward with adjustment screws. Leveling is observed from the spirit level on the device. In this way, in other words, it is mounted firmly on the wall by leveling in every position. The reason for this is to ensure that the steel ball inside the device stays in its bearing and in the appropriate position. The ball standing on the appropriate axis ensures that the device operates in accordance with the standards.
- The balance is checked during annual maintenance, control and inspections. If there is any slippage from the balance, it is brought back to the balance.

The warnings made must be taken into consideration.

Reset (Re-establishment);

When the device switches to the alarm position after earthquake, shaking or assembly, it gives dry contact in NC position. The desired alarm condition is provided by pulling the contactors. Before resetting, the power lines are checked by the authorities, leakage and contacts are secured, after all other safety conditions are met, the front button is retracted and reset is performed. The system is brought to the NO position before the earthquake.

Please do not hesitate to call us in case of any malfunction. Our company is not responsible for any intervention made to the device without the knowledge and approval of our company. The device is out of warranty. The device warranty period is 5 years from the invoice date. Devices that malfunction within the warranty period are covered by the service. Free service is provided. Service fee is applied for intervened devices or devices that malfunction outside the warranty period.

FAY MEKANİK MAKİNE SAN. VE TİC. LTD. ŞTİ.

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