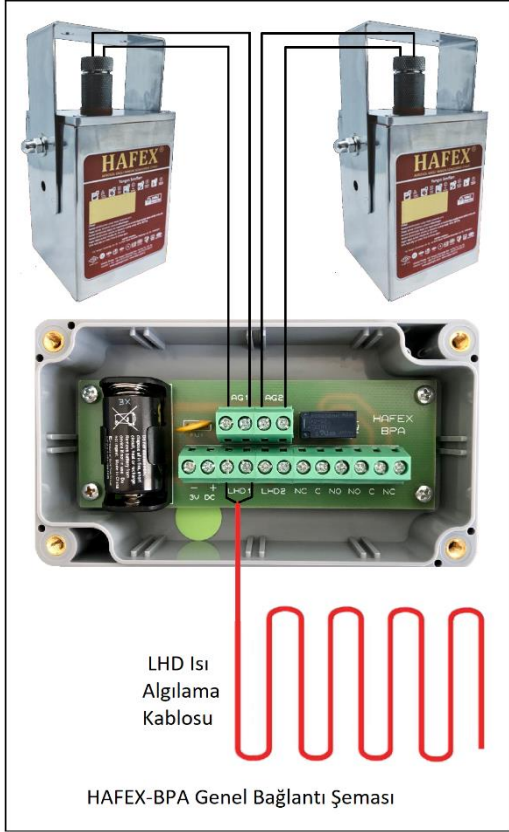


HAFEX - BPA (Battery Powered Activator) User Manual

HAFEX - BPA (Battery Powered Activator) has a built-in lithium CR2 battery with a capacity of 3V 800mAh, which can detect the ambient temperature with a Linear Heat Detection cable (LHD) in small volumes and activate up to 2 aerosol fire extinguishers when the ambient temperature exceeds the alarm threshold of the LHD cable. is a small size module. If desired, it can be used instead of internal battery by externally feeding it with a 3V DC 2A power supply. The general connection of the BPA module is shown below.



Inside the HAFEX - BPA module, there is a PTC type resettable polymer fuse with 2A cut-off current rating that protects the 3V lithium battery or external DC supply from excessive current during the activation of aerosol fire extinguishers.

WARNING! Only 3V CR2 type non-rechargeable batteries should be used in the module. In case of external supply, the battery should not be used. During installation, attention should be paid to the polarity (connection direction) of the battery or supply source.

HAFEX - BPA module is designed to activate up to 2 aerosol fire extinguisher units. Aerosol extinguisher units are connected to AG1 and AG2 connection ports. If only one aerosol extinguishing unit is to be connected, only one of the AG1 or AG2 ports is used. In this case, the other connection port is left blank. Either of the LHD1 or LHD2 inputs of the BPA module can be used for the LHD heat sensing cable connection. It is recommended to check the LHD heat sensing cable for damage and short circuit before connecting to the BPA module.

WARNING! While connecting the aerosol extinguisher and LHD heat sensing cable to the BPA module, care should be taken to ensure that the battery of the module is removed or if an external supply is used, the supply voltage is cut off. After all connections are made, the battery of the module should be replaced or energized if external power is used.

HAFEX - BPA module has 2 NO (normally open) and NC (normally closed) contact outputs. The common terminals of the contacts are shown as C and have a maximum switching capacity of 250V AC 1A. These contacts change position when the ambient temperature exceeds the alarm threshold of the LHD heat sense cable. Thus, if desired, a fire detection panel or building management system installed in the environment can be informed that the BPA module is activated and the aerosol extinguishers connected to the module are activated or warning devices such as sirens and flashers can be activated. In addition, by using open contact terminals (NO - C terminals), a BPA module can be enabled to activate other modules. Below is a sample connection diagram for such use.

