

WATER VALVE Control

An advanced alarm system can provide security in many more aspects than just anti-burglary protection. In order to that, the system must be equipped with additional sensors which are capable of early detection of all types of dangers. Equipping the system with flood detectors, such as FD-1 or its wireless equivalent AFD-100, can provide protection from the results of flooding, which for example may occur if the hose connecting the tap with the plumbing system bursts. In addition, the alarm system should also be connected to an electric control valve in the form of the main water stop cock, as this would prevent any further damage from taking place in the event of an emergency.

Implementation example:

The demo installation has been equipped with wireless flood detectors, which are positioned to best detect flooding if a hose connected to the washing machine bursts. An electric control valve, which can completely cut off the water supply to the house, has been installed on the main water supply pipe. In order to avoid unnecessary risks, the alarm control panel, by using this electric control valve, can completely cut off the water supply, if there are no residents present in the house.

Method of operation:

The signal emitted by the wireless flood detectors AFD-100, which are installed in the bathroom, is transmitted to the receiver of the ABAX system which forms a part of the INTEGRA 128-WRL control panel. By using the INT-ORS expansion module, the control panel operates the solenoid valve which cuts off the water supply to the house.



