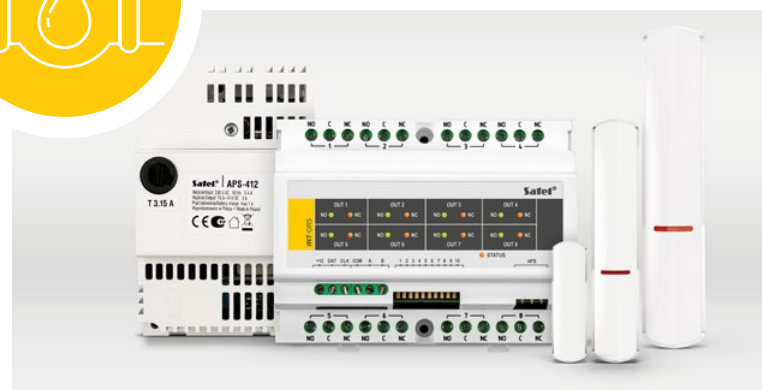
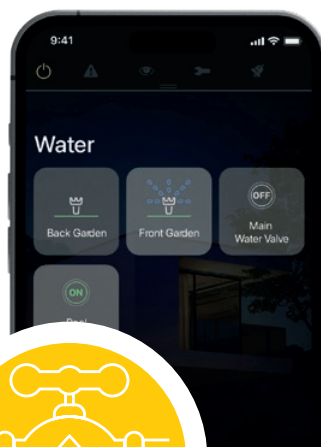


Integra

sample system configuration



Water Solenoid Valve Control

To make your system more affordable and comfortable, you can use it to control both security and building automation. Using the same system components for security and building automation makes the whole installation more cost-effective.

Water Solenoid Valve Control

The advanced **INTEGRA** and **INTEGRA Plus** intruder alarm systems can detect various random events, for example, water leaks. To enable this function, install flood detectors in rooms where leakages are most likely to happen. Whenever one of these detectors senses a water leak, the control panel unit is immediately informed. In turn, the panel can inform selected persons about the event, allowing them to quickly react and shut off the water supply. However, the control panel unit can do it autonomously, if the main water pipe is equipped with an electronically controlled solenoid valve. If the water system fails, the solenoid valve gets automatically closed to prevent further damage.

Guidelines:

- The main water supply is shut off automatically whenever one of the flood detectors senses a leak. The water valve remains closed until the technical alarm about the detected leakage is cleared.
- To avoid any unnecessary risks, the control panel unit closes the solenoid water valve to completely shut off the main water supply whenever no one is home, and the system is armed.
- The water valve can be controlled through the keypads or the dedicated mobile app.

Example configuration:

- The alarm system is controlled by the **INTEGRA 128 Plus** control panel unit that additionally controls building automation.
- The system features the **XD-2** wired detectors with the „water flood” mode enabled, and the **FPX-1** external flood probes connected, installed in the bathroom and kitchen.
- The **AXD-200** wireless detector working in the „water flood” mode, and the **FPX-1** external flood probe connected, is installed in the boiler room. The detector communicates with the **ACU-280 ABAX 2** wireless system controller.
- The main water supply pipe is equipped with an electronically controlled solenoid water valve. The control panel unit can directly control the valve through the **INT-ORS** expansion module.
- The **INT-ORS** expansion module is powered by the **APS-412** external backup power supply. This configuration allows the system to identify the **INT-ORS** unit as an expansion unit with a power supply, meaning it can receive the data on its current power status. The **APS-412** power supply additionally powers the coil of the solenoid water valve.
- The **APS-412** backup power supply is equipped with a backup battery in case of a mains power outage.

Zones configuration

No.	Zone name	Part.	Wiring type	Sensitivity	Zone type	Entry delay	Max.Viol. Time	Max.No.Viol.Tim
1	Leakage Bathroom	1	4: 2EOL/NC	320 ms.	52: 24h Water leakage	0 sec.	0 sec.	0 h
2	Leakage Kitchen	1	4: 2EOL/NC	320 ms.	52: 24h Water leakage	0 sec.	0 sec.	0 h
17	Leakage BoilerRM	1	4: 2EOL/NC	320 ms.	52: 24h Water leakage	0 sec.	0 sec.	0 h

Outputs configuration

No.	Output name	Output funct.	Cut off time	State indication	Pol.+	Pulsed	Latch	Triggering:	Triggering: LCD keypads	Triggering: Part./Part. keypads	Alarm clearing in part
17	Water Valve	47: Outputs logical OR	0 min. 30 sec.	0: standard	X			outputs: 126-128			
126	Flood Alarm	13: Tech. Alarm	0 min. 30 sec.	0: standard	X		X	zones: 1+2,17			1=32
127	All Armed	22: Full Armed status	0 min. 30 sec.	0: standard	X					1+32	
128	Valve Control	25: BI switch	0 min. 30 sec.	0: standard	X			zones: -		1+32	

Configuration of the ABAX 2 wireless system controller

Module: ACU-220/280, address:1

Name: ACU-280 (01h)

Tamper signaled in part.: 1: Partition 1

☐ No auto-reset after three module tamper alarms

Communication period: 12sec. 24sec. 36sec.

☐ Higher sensitivity for jamming detection ☐ No automatic update of wireless devices firmware

Zones/Outputs: INT-KWRL

No.	Name	Type	Device type	Serial numb.	ARL	Always	Configuration	Filter	Temp. corr.	ECO
1	Z-17	Leakage BoilerRM	24h Water leakage (with TAMPER)	AFD-200 (Flood Detector)	0000801			33	0.0°C	X



iOS



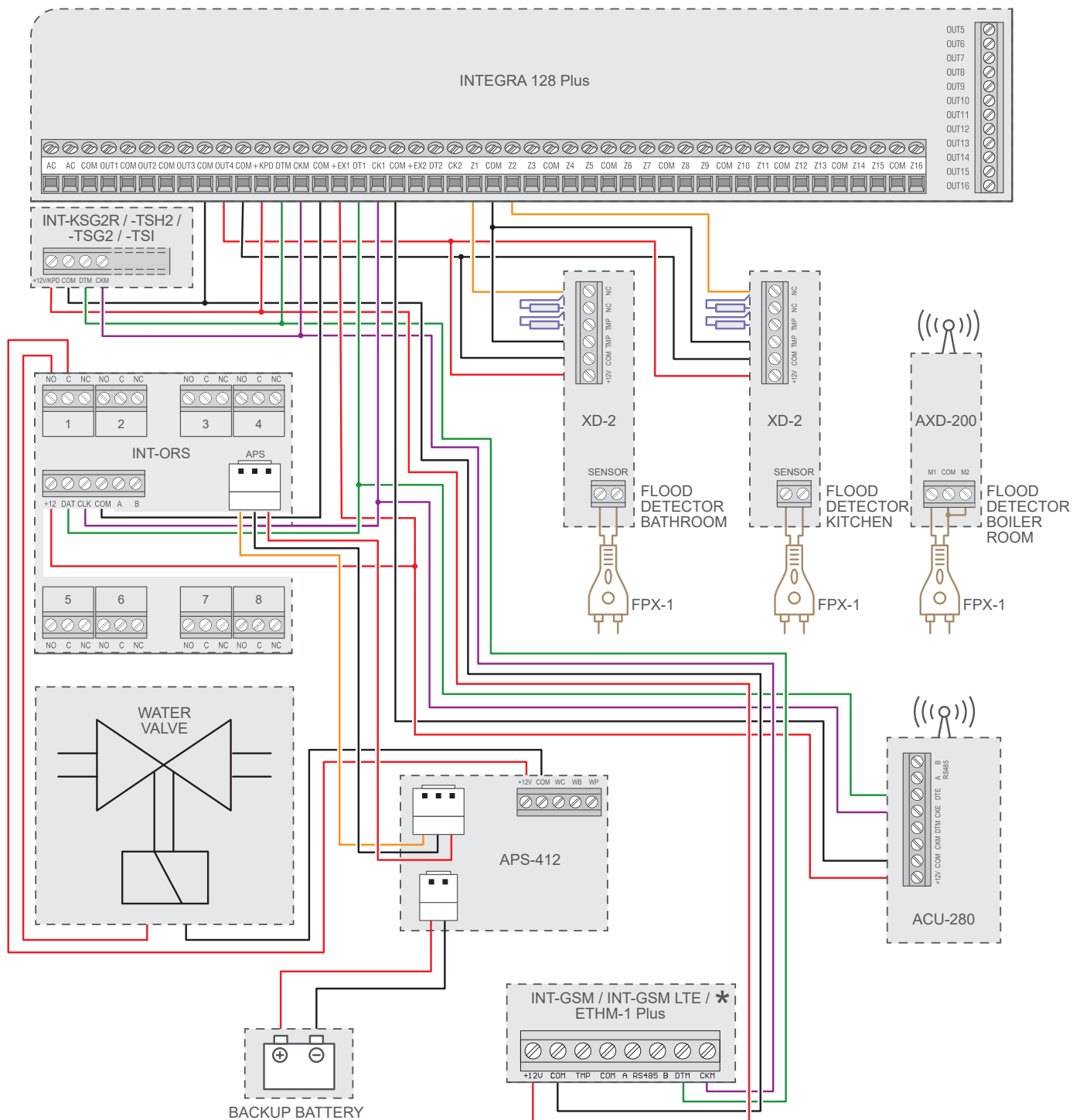
INTEGRA CONTROL

- control of **INTEGRA/INTEGRA Plus** intruder alarm and building automation system
- secure and encrypted communication with control panel unit
- access to live camera feed
- supports MACRO commands
- Push notifications

Connection diagram on the next page



Connection diagram



* Allows controlling system with the INTEGRA CONTROL mobile app

integra
CONTROL

This diagram is for demonstration purposes only, and includes only selected devices from the system.

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