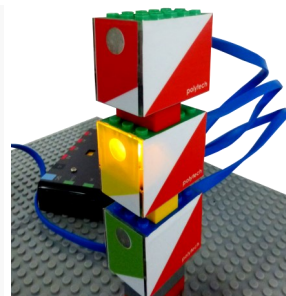


S2 AUTO Automation kit

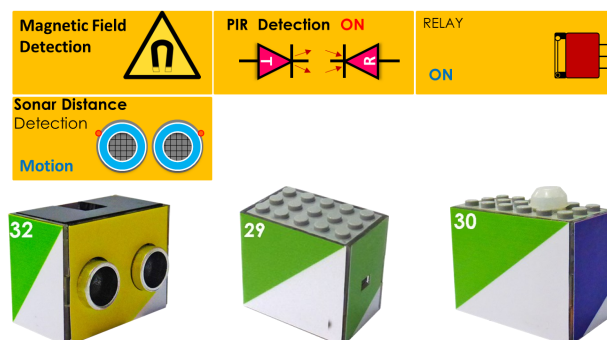
S2 AUTO is an **add-on set** of SMART:Blox to the kits **S1 Basic** and **S1A** offering more Input and Output devices and more programming training in **Motion** and **Automation technology** oriented projects. It offers the possibility to create more complex STEAM projects, typical of Automation field applications and enhance greater skills in algorithmic and programming logic.



Below are the devices used in the S2 AUTO kit:

S2 AUTO - Add-on kit to S1 and S1A	Pcs
SB 29 Hall Magnetic Sensor	1
SB 30 PIR Motion Sensor	1
SB 31 Relay	1
SB 32 Ultrasonic Distance Sensor	1
SB 47 Robotic Arm - Optional	1

For each device in the ARDicon database there is a specific icon to be used. Each device has a separate icon also for describing its state, for example ON or OFF, High or Low.



Below are **indicative project themes** that can be performed using the S2 AUTO add-on set:

Project Themes	C-STEAM	Level
Magnetic field detecting	A	BASIC
Automatic City Lights	A	1
Parking sensor for your car	A	1
Magnetic card Entrance control	A	1
Speed Radar	A	2
Traffic Light 4 way crossing	B	1
Toll system control	B	1
Programmable Logic controller _PLC Smart Home	B	1
Parking Garage Management	B	1
Robotic arm motion 2 DOF	B	1
Complex Security systems	B	2
Lift control multilevel	B	2
Robotic Arm 3DOF	B	2
Controller network projects	B	2

