API version	1.01
Date	05.03.17
Status	Open

implemented responses 200, 404. 423, 400, 405, 408

Parameter ID	uri	POST	GET	DELETE		description
	/Paramerer{xxx}	x	x	x		accesses parameter of given number {xxx}. Expect 404, 423
xxx	/ISM010_{xxx}	x	x		int	ModbusRegister of ISM010 xxx provides address of register. Should manage trailing zeros, expect 423 return code in :http://www.restpatterns.org/HTTP_Status_Codes/423_-_Locked
1000	/Time/Time	x	x		int	current time in unix time format Unix time (also known as POSIX time or epoch time) is a system for describing instants in time, defined as the number of seconds that have elapsed since 00:00:00 Coordinated Universal Time (UTC), Thursday, 1 January 1970,[1]cite_ref-2cite_ref-2[note 1] not counting leap seconds.[1]cite_ref-3cite_ref-3[2]cite_ref-4cite_ref-4[note 2] https://en.wikipedia.org/wiki/Unix_time
1001	/Time/SystemStartTime		x		int	time of last power on in unix time(see details of /Time/Time)
1002	/Time/SystemUptime		x		int	number of seconds since last powe on
1100	/Runtime/LastIgnition		x		int	time of last successful ignition in unix time (see /time/Time)
1101	/Runtime/StateUptime		x		int	number of seconds since last change of phase
1102	/Runtime/State		x		str	name of current state (string)
1200	/Errors/LastErrorTime		x		int	time when the last error appeared in unix time
1201	/Errors/LastError		x		int	last error (string)
1202	/Errors/ErrorList		x	x	[[int, int,str]]	error log file. Delete clears out error list array of [time, error code, error name]
1300	/Properties/ID		x		str	identification sting unique for each device
1301	/Properties/Firmware		x		str	firmware version of ISWiFi
1302	/Properties/Hardware		x		str	hardware version of ISWiFi
1303	/Properties/LastChange		x		[int, str, str,str]	time of last change of parameters in unix time, parameter name , old and new value [time,name, old val, new val]
1304	/Properties/Changes		x	x	[[int, str, str,str]]	parameter change list
1305	/Properties/Log		x	x	[[int, str]]	log file, delete clears log, array of [time, log entry]
1306	/Properties/PermLog		x		[[int, str]]	Non-volatile log file, array of [time, log entry]
1307	/Properties/Settings		x		[[str. Str]]	dump of all current settings, array of [name, value] (does not return ISM0-10 registers)
1308	/Properties/UART1	x	x		[int, int, str, int]	uartmode in form 96008N1

1309	/Properties/UART2	x	x		[int, int, str, int]	uartmode in form 96008N1
1310	/Properties/APIversion		x		str	version of API
1400	/Querry/Interval	x	x		int	time in ms between requests sent to ISM010
1401	/Querry/SensRange	x	x		int	value in % defining sensitivity range. When parameter from querry changes more that this value from stored one, new entry is saved
1500	/Modbus/Type	x	x		str	Type of external modbus communication: rtu/ascii case insensitive
1501	/Modbus/Address	x	x		inr	modbus slave address of device
1502	/Modbus/Delay	x	x		int	time in ms after routing a modbus command that will cause 0x0B Gateway Target Device Failed to Respond timeout error if no reply received
1600+((n-1)*10)	/TempController/Temperature_n		x		Int0.1	current temperature of n-th sensor seen by controller (int 0.1degC)
1601 +((n-1)*10)	/TempController/Output_n		x		bool	current state of regulator output (bool)
1602 +((n-1)*10)	/TempController/Setpoint_n	x	x		Int0.1	current setpoint (int 0.1degC)
1603+((n-1)*10)	/TempController/Hysteresis_n	x	x		Int0.1	hysteresis of controller (int 0.1degC)

999	/ISM010_all		x		[[int, int]]	get newest settings from ISM0-10 , [register address, value]
998	/ISM010_available		x		bool	true if there was recent successful communication with ISM, 0 otherwise
2000	/ISM010_restart	x			int	should restart ISM010 if proper code is sent. All requests for ISM parameters should result with 423 error code until restart is done, set ISM010available=0