

# Application Programming Interface (API)

## Direct loads control

load_set[i]	bit	R/W	Managed load state; 0=off, 1=on; i = 10..17
analog_out[i]	int	R/W	Analog output value in % i = 10..13

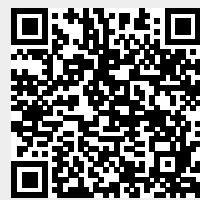
## Timetable

timetable_cloud_once[i]	bit	RO	Enabled cloud optimization for "once" actions; 0=disabled, 1=enabled; i=0..7
timetable_cloud_recurring[i]	bit	RO	Enabled cloud optimization for "recurring" actions; 0=disabled, 1=enabled; i=0..7
timetable_analog_optimization[i]	bit	RO	Enabled cloud optimization for analog timetable; 0=disabled, 1=enabled; i=0..3
optimization_index[i]	int	RW	Timetable optimization index (0=broadcast = all timetables); i=0..50
optimization_start[i]	int	RW	Timetable optimization start time; hhmmw; hh=hour, mm=minute, w=weekday(1=monday); i=0..50
optimization_time[i]	int	RW	Timetable optimization period in min; i=0..50
optimization_command[i]	int	RW	Timetable optimization command, auto set to 0 after being processed - see following table; i=0..50
optimization_value[i]	int	RW	Timetable optimization value , depends of optimization_command - see following table; i=0..50

Variable **optimization\_command** triggers timetable manipulation process so make sure to set all other variables before.

optimization_command	optimization_value	
<b>1 managed load once actions</b>	0	Set <b>OFF</b>
	1	Set <b>ON</b>
	-1	<b>Delete</b>
<b>2 managed load recurring actions</b>	0	Set <b>OFF</b>
	1	Set <b>ON</b>
	-1	<b>Delete</b>
	0	Set <b>LO</b>
<b>3 tariff timetable</b>	1	Set <b>HI</b>
	2	Set <b>DYNAMIC</b>
	-1	<b>Delete</b> Dynamic
	0..0xFF	Set once <b>on/off</b> as per bit value
<b>5 analog timetable</b>	0..100	Set <b>0..100%</b>
	-1	<b>Delete</b> Analog
<b>6 battery setpoint</b>	-100..0	Set discharge <b>0..100%</b>
	0..100	Set charge <b>0..100%</b>
	-31768	Set <b>auto</b>

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