RESTful API for Relay Control of ATEN PDU

Set Relay Status		
HTTP Method	POST	
Resource URI	Device level relay control: PDU_IP/api/device/relay	
	Bank level relay control: PDU_IP/api/bank/relay	
	Outlet level relay control: PDU_IP/api/outlet/relay	
Parameters for Set Relay Status		
usr	Username which is the same with web page	
pwd	Password which is the same with web page	
index	1-based index of device, bank , or outlet according to request URI. Can be omitted while switching the whole device.	
method	Relay control method. Can either be one of the following:	
	on	
	off	
	reboot	
	on_immediate	on w/o configured switch on delay
	off_immediate	off w/o configured switch off delay
HTTP Response Code		
200	*OK*. Command accepted, user authenticated and processed successfully.	
400	*Bad Request*. Malformed syntax or unsupported parameters.	
401	*Unauthorized*. Account authentication failed.	
404	*Resource not found*. Can either be one of the following: ▸ URI mismatch ▸ Index of device/bank/outlet is out of range ▸ The device/bank/outlet assigned has no relay support	

Example:

Switch off Outlet 1

POST https://192.168.0.60/api/outlet/relay

with request body: usr=username&pwd=password&index=1&method=off

Switch on Bank 2

POST https://192.168.0.60/api/bank/relay

with request body: usr=username&pwd=password&index=2&method=on

Reboot all outlets

POST https://192.168.0.60/api/device/relay

with request body: usr=username&pwd=password&method=reboot

Get Relay Status	
HTTP Method	GET
Resource URI	Device level relay status: PDU_IP/api/device/relay Bank level relay status: PDU_IP/api/bank/relay Outlet level relay status: PDU_IP/api/outlet/relay
Parameters for Set Relay Status	
usr	Username which is the same with web page
pwd	Password which is the same with web page
index	1-based index of device, bank , or outlet according to request URI. Can be omitted while requesting the whole device's relay status.
HTTP Response Code	

200	*OK*. Command accepted, user authenticated and processed successfully. Along with XML formatted as follow:
	<OutletRelay>
	    <01>ON</01>
	    <02>ON</02>
	    <03>PENDING</03>
	    <04>OFF</04>
	    <05>CAP</05>
	    <06>POP</06>
	        ...
	        ...
	</OutletRelay>
	How many outlets are included in <OutletRelay> is according to URI & index.

400	*Bad Request*. Malformed syntax or unsupported parameters.
401	*Unauthorized*. Account authentication failed.
404	*Resource not found*. Can either be one of the following: ▶ URI mismatch ▶ Index of device/bank/outlet is out of range ▶ The device/bank/outlet assigned has no relay support

Example:

Get Relay Status of Outlet 1

GET https://192.168.0.60/api/outlet/relay?usr=username&pwd=password&index=1

Get Relay Status of Bank 2

GET https://192.168.0.60/api/bank/relay?usr=username&pwd=password&index=2

Get Relay Status of All Outlets

GET https://192.168.0.60/api/device/relay?usr=username&pwd=password