

# Home Automation Message Protocol (HA\_MP)

## Abbreviations:

CC: Command Client

RPS: Remote Power Socket

## Prefix Protocol:

! : Command from server

@ : Response to server from client

? : Command from command client to server

\$ : Server response to command client

## Client Types:

0 : Not implemented

1 : Remote power socket

2 : Remote thermostat

## Client Status Codes:

0 : RPS – relay open

1 : RPS – relay closed

2 : RPS – locked out

3 : RPS – relay failure

4 : Unknown

## Command Structure:

COMMAND:<parameter>

Example: ?RRS:4

### Commands:

Command	Sender/Receiver	Parameter(s)	Responses	Description
RTR	!Server/@Client	None	@<type> or @ERR	Client type request
IDR	!Server/@Client	None	@<id> or @ERR	Client ID request
FRC	!Server/@Client	None	@ACK or @ERR	Forces remote client to close
FRR	!Server/@Client	None	@ACK or @ERR	Forces remote client to restart
RRT	!Server/@Client	None	@ACK or @ERR	Request client to toggle status
RRT	?CC/\$Server	<id>	\$ACK or \$ERR	Request server to toggle client at id <id>
FRL	!Server/@Client	None	@ACK or @ERR	Forces client to turn off and lock
FRL	?CC/\$Server	<id>	\$ACK or \$ERR	Request server to force lockout client at id <id>
RRS	!Server/@Client	None	@<status> or @ERR	Request status of client
RRS	?CC/\$Server	<id>	\$<status> or \$ERR	Request server to get status of client at id <id>
RSC	@Client/!Server	None	!ACK or !ERR	Notifies server that client is closing

## RESEVERD FOR ADDITIONS

[illegible]
