

**SPECIFICATIONS**

AC VOLTAGE RANGE	AC 110 ~ 230V
COM PORT	RS-485
I/O CONNECTIVITY	Dry Contact Control x 01
NUMBER OF ID	32
DELAY TIMER OFF	2~128sec
RELAY LOAD RATING	Max 16A@230V (*Recommended Max 8 x 40 Watt Down Light)
POWER SUPPLY	12 V DC 500mA

**MECHANICAL**

HOUSING Aluminum Enclosure

**PRODUCT**

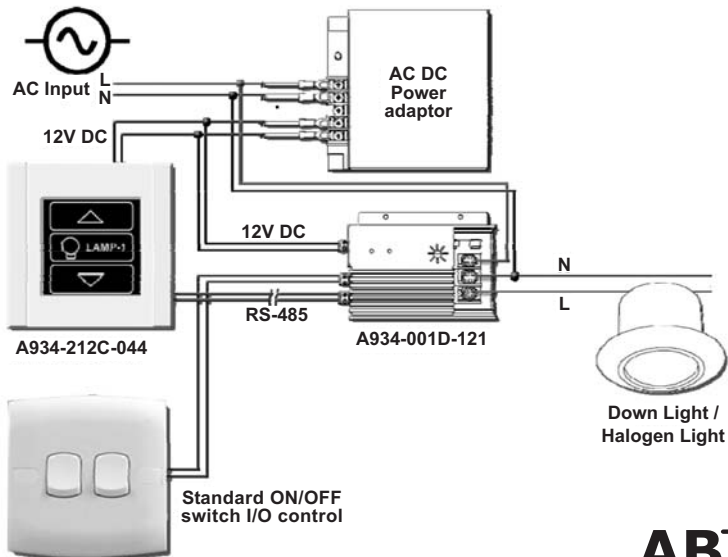
DIMENSIONS (L x W x H) 92 x 58 x 33 mm

WEIGHT 173.2 g

**PACKAGE INCLUDE**

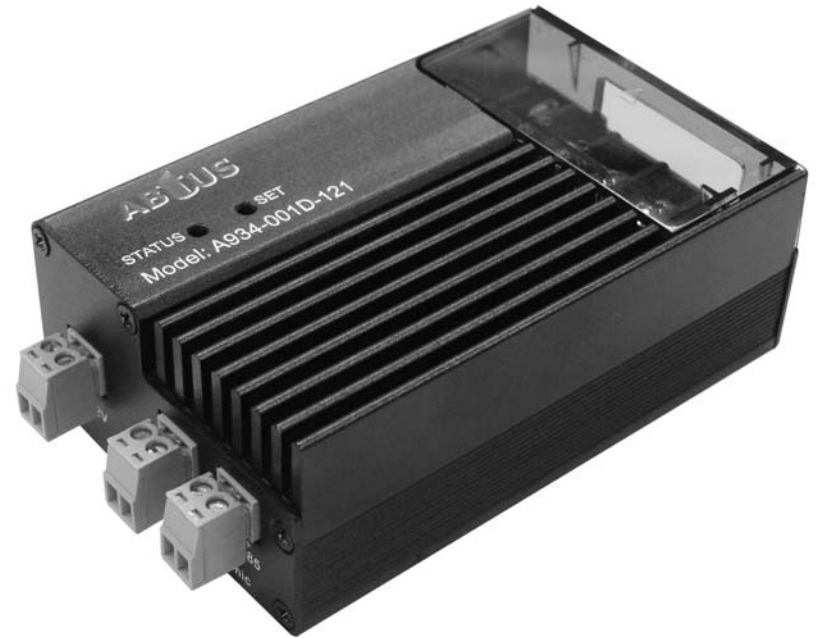
- 1 x Control Module
- 1 x 12V DC Power Adaptor
- 1 x User Manual
- 3 x 2 Pin Terminal Block
- 1 x Mounting Plate for Mounting (\*With 2 x Mounting Screws)

Configuration Diagram:



# In-Room Control System

Single Port Power/Dimmer Control Module



Model: A934-001D-121

# User Operation Guide

## PRODUCT DESCRIPTION

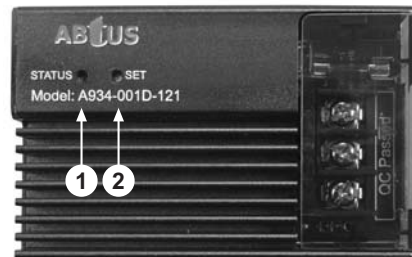
The **ABTUS A934-001D-121** is a single power/dimmer control module that can be used to avoid all cumbersome issue of the power cabling during integration, it will be able to easily relocation of any traditional walls switch or RS-485 (Standard J1708 Bus) Control panel to any location as required. It is the most simple and efficient Dimmer control of all in rooms lighting control.

Replacement of conventional 1 to 1 control setup to many or 1 to many controlling as well as grouping are now made possible.

## PRODUCT HIGHLIGHTS

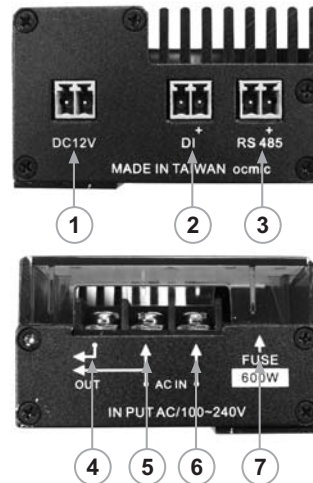
- Max load capacity of 600W per module
- With standard RS-485 communication protocol, compatible with any central control for all host (standard J1708 BUS)
- With I/O connectivity for integration with any existing standard wall switch
- Dimmer Ramping time (2 to 128sec)

### 1.0 Top Panel View



Item	Description
1.	Status LED
2.	Set Button for RF pairing

### 1.1 Front and Back Panel View



Item	Description
1.	DC-12V DC power input (No Polarity requirement)
2.	D1 I/O for dry contact control
3.	RS-485 RS-485 control connection
4.	AC Out AC output to lamp
5.	AC Neutral AC "Neutral"
6.	AC In AC "Live" from main power source
7.	Fuse Fuse rating

### 1.2 RS-232 Command Protocol & Control Codes

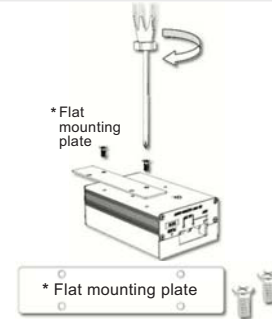
#### RS-232 Parameter setting

Baud Rate:	9600 bps
Data Length:	8 bits
Parity bit:	Non parity
Stop bit:	1 stop bit
X on/off:	None

### Model No.: A-934-001D-121 (Single Port Power/Dimmer Control Module)

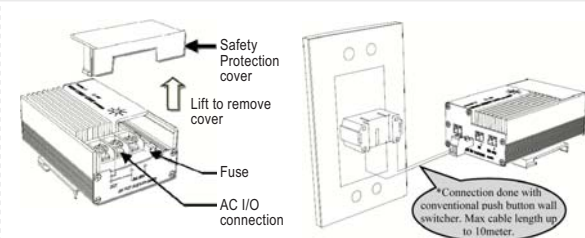
Item	Function	OperationType	Command Code (Hex)
1.	ID0-ON	Set	E0 00 00 57 01 00 00 00 01 FE
2.	ID0-OFF	Set	E0 00 00 57 01 00 00 00 00 FE
3.	ID0 Read Power Status	Get	E0 00 00 52 01 00 00 00 00 FE
4.	ID0 ON Status:	Ret	F0 00 00 52 01 00 00 00 01 FE (Return code)
5.	ID0 OFF Status:	Ret	F0 00 00 52 01 00 00 00 00 FE (Return code)
6.	ID0 Dim Up	Set	E0 00 00 57 02 00 00 00 01 00 FE
7.	ID0 Stop	Set	E0 00 00 57 02 00 00 00 00 00 FE
8.	ID0 Dim Down	Set	E0 00 00 57 02 00 00 00 01 00 FE
9.	ID0 Dim 20%	Set	E0 00 00 57 03 00 00 00 03 04 FE
10.	ID0 Dim 40%	Set	E0 00 00 57 03 00 00 00 06 08 FE
11.	ID0 Dim 60%	Set	E0 00 00 57 03 00 00 09 0C FE
12.	ID0 Dim 80%	Set	E0 00 00 57 03 00 00 0D 00 FE
13.	ID0 Dim 100%	Set	E0 00 00 57 03 00 00 0F 0F FE
14.	ID0 Read Current Dim Status	Get	E0 00 00 52 03 00 00 00 00 FE
15.	ID0 Dim 20% Status:	Ret	F0 00 00 52 03 00 00 03 04 FE (Return code)
16.	ID0 Dim 40% Status:	Ret	F0 00 00 52 03 00 00 06 08 FE (Return code)
17.	ID0 Dim 60% Status:	Ret	F0 00 00 52 03 00 00 09 0C FE (Return code)
18.	ID0 Dim 80% Status:	Ret	F0 00 00 52 03 00 00 0D 00 FE (Return code)
19.	ID0 Dim 100% Status:	Ret	F0 00 00 52 03 00 00 0E 0F FE (Return code)
20.	Read Current ID	Get	E0 7F 00 52 1D 00 00 00 00 FE
21.	ID0 Status:	Ret	F0 00 00 52 1D 00 00 00 00 FE (Return code)
22.	Set ID0 to ID1	Set	E0 00 00 57 1D 00 00 00 01 FE
23.	Set ID1 to ID2	Set	E0 01 00 57 1D 00 00 00 02 FE
24.	Set ID1 to ID10	Set	E0 01 00 57 1D 00 00 00 0A FE
25.	Delay 5 Sec Off	Set	E0 00 00 57 12 00 00 00 05 FE
26.	Delay 10 Sec Off	Set	E0 00 00 57 12 00 00 00 0A FE
27.	Delay 60 Sec Off	Set	E0 00 00 57 12 00 00 03 0C FE
28.	Set Scene 1	Set	E0 00 00 57 21 01 00 01 00 FE
29.	Call Scene 1	Set	E0 00 00 57 21 01 00 01 01 FE
30.	Delete Scene 1	Set	E0 00 00 57 21 01 00 00 01 FE
31.	Set Scene 8	Set	E0 00 00 57 21 08 00 01 00 FE
32.	Call Scene 8	Set	E0 00 00 57 21 08 00 01 01 FE
33.	Delete Scene 8	Set	E0 00 00 57 21 08 00 00 01 FE
34.	Read "Last Power Memory" Status	Get	E0 00 00 52 13 00 00 00 00 FE
35.	"Last Power Memory ON" Status:	Ret	F0 00 00 52 13 00 00 00 01 FE (Return code)
36.	"Last Power Memory OFF" Status:	Ret	F0 00 00 52 13 00 00 00 00 FE (Return code)
37.	Set "Last Power Memory" ON	Set	E0 00 00 57 13 00 00 00 01 FE
38.	Set "Last Power Memory" OFF	Set	E0 00 00 57 13 00 00 00 00 FE
39.	ID1 ON	Set	E0 01 00 57 01 00 00 00 01 FE
40.	ID10 ON	Set	E0 0A 00 57 01 00 00 00 01 FE
41.	ID20 ON	Set	E0 14 00 57 01 00 00 00 01 FE
42.	All ID ON:	Set	E0 7F 00 57 01 00 00 00 01 FE

### 1.3 Installation of Mounting Plate



\* Installation of mounting plate with only the two screws supplied.

### 1.4 Cable installation



\* Connection done with conventional light control wall switcher for ON/OFF or Dimming control

#### Operation on conventional Push Button wall switch

Press and release once	ON
Press and release again	OFF
Press and Hold	Dim UP
Press and Hold again	Dim Down