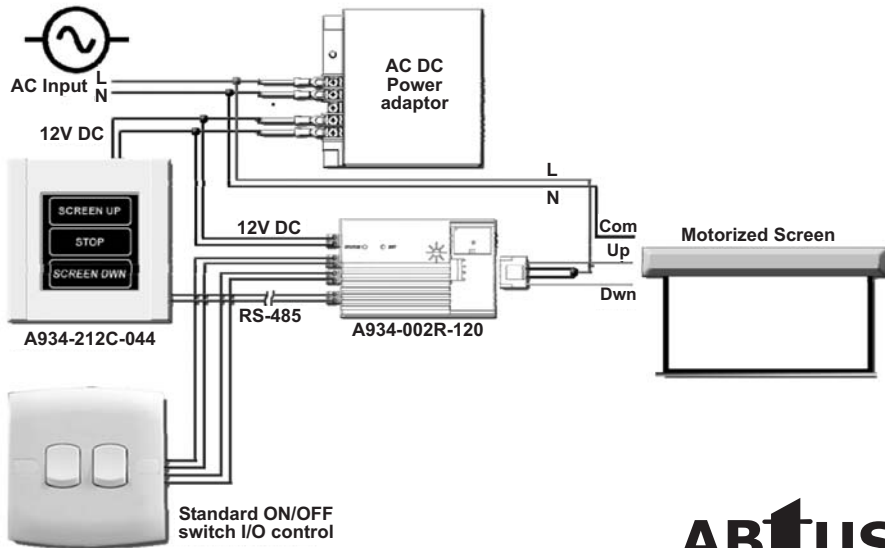


SPECIFICATIONS

AC VOLTAGE RANGE	AC 110 ~ 230V
COM PORT	RS-485
I/O CONNECTIVITY	Dry Contact Control x 01
NUMBER OF ID	32
RELAY LOAD RATING	Max 16A@230V
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
	4 x 2 Pin Terminal Block
	1 x Base Plate for Mounting (*With 2 x Mounting Screws)

Configuration Diagram:



In-Room Control System

Two Port Power Relay Motorized Screen Control Module



Model: **A934-002R-120**

User Operation Guide

PRODUCT DESCRIPTION

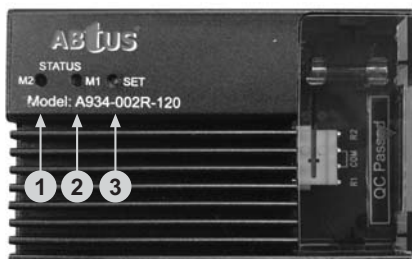
The **ABtUS A934-002R-120** is a two power relay control module that can be used to avoid all cumbersome issue of the power cabling during integration, it will be able to easily relocation of any traditional walls switch or RS-485 (Standard J1708 Bus) Control panel to any location as required. It is the most simple and efficient power controller for any electrical powered devices **example: Motorized (screen, projector lifter, drape or curtain)**

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

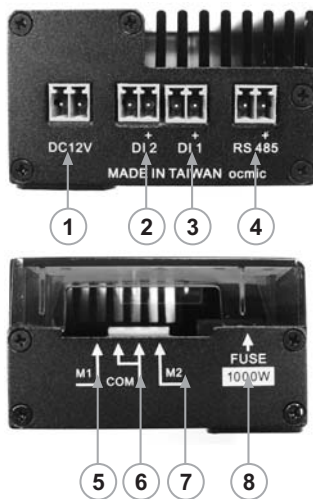
- Max Relay Load Rating 16A 16A@230V
- With standard RS-485 communication protocol, compatible with any central control for all host (standard J1708 BUS)
- With I/O connectivity for integration with any existing standard wall switch

1.0 Top Panel View



Item	Description
1.	Status LED (M2)
2.	Status LED (M1)
3.	Set Button for RF pairing

1.1 Front and Back Panel View



Item	Description
1.	DC-12V DC power input (No Polarity requirement)
2.	DI 2 I/O for dry contact Relay 2
3.	DI 1 I/O for dry contact Relay 1
4.	RS-485 RS-485 control connection
5.	M1 AC output to Motorized Screen "Down"
6.	COMM AC "Live" from main power source (Common)
7.	M2 AC output to Motorized Screen "up"
8.	Fuse Fuse rating

1.2 RS-232 Command Protocol & Control Codes

RS-232 Parameter setting

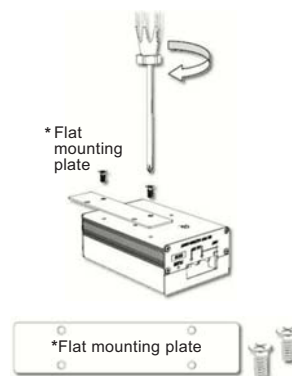
Baud Rate:	9600 bps
Data Length:	8 bits
Parity bit:	Non parity
Stop bit:	1 stop bit
X on/off:	None

Model No.: A-934-002R-120 (Two Port Power Relay Module)

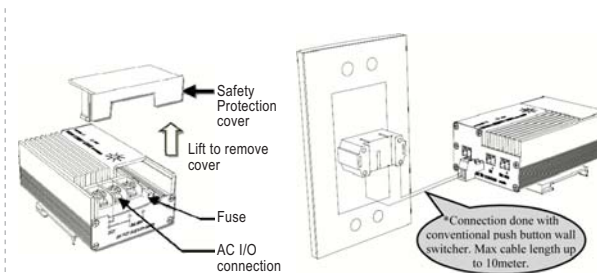
Item	Function	Operation Type	Command Code (Hex)
1.	Read Current Status	Get	C5 00 00 52 01 00 00 00 FE
2.	ID0 status "UP"	Ret	D5 00 00 52 01 00 00 00 02 FE (Return code)
3.	ID0 status "Stop"	Ret	D5 00 00 52 01 00 00 00 00 FE (Return code)
4.	ID0 Status "Down"	Ret	D5 00 00 52 01 00 00 00 01 FE (Return code)
5.	ID0 Up	Set	C5 00 00 57 02 00 00 01 00 FE
6.	Read ID0 "Delay Timing"	Get	C5 00 00 52 12 00 00 00 00 FE
7.	Set "Delay Timing" to 5 Sec	Set	C5 00 00 57 12 00 00 00 05 FE (Relay will "Open" after 5 sec)
8.	Set "Delay Timing" to 20 Sec	Set	C5 00 00 57 12 00 00 00 14 FE (Relay will "Open" after 20 sec)
9.	Set "Delay Timing" to 90 Sec	Set	C5 00 00 57 12 00 00 01 1E FE (Relay will "Open" after 90 sec)
10.	Read Current ID	Get	C5 7F 00 52 1D 00 00 00 00 FE
11.	ID Status return (ID0)	Ret	D5 00 00 52 1D 00 00 00 00 FE
12.	ID0 change to ID1	Set	C5 00 00 57 1D 00 00 00 01 FE
13.	ID1 change to ID2	Set	C5 01 00 57 1D 00 00 00 02 FE
14.	ID2 change to ID10	Set	C5 02 00 57 1D 00 00 00 0A FE
15.	"Set" Scene1	Set	C5 00 00 57 21 01 00 01 00 FE
16.	"Call" Scene1	Set	C5 00 00 57 21 01 00 01 01 FE
17.	Delete" Scene 1	Set	C5 00 00 57 21 01 00 00 01 FE
18.	"Set" Scene8	Set	C5 00 00 57 21 08 00 01 00 FE
19.	"Call" Scene8	Set	C5 00 00 57 21 08 00 01 01 FE
20.	"Delete" Scene8	Set	C5 00 00 57 21 08 00 00 01 FE
21.	ALL ID UP	Set	C5 7F 00 57 02 00 00 01 00 FE
22.	ALL ID Stop	Set	C5 7F 00 57 02 00 00 00 00 FE
23.	ALL ID Down	Set	C5 7F 00 57 02 00 00 01 01 FE

1.3 Installation of Mounting Plate

1.4 Cable installation



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



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

Operation with conventional Push Button wall switch (either one of the DI connection)

Press and Hold once	Down
Press and Hold again	Up
Press and Release	Stop