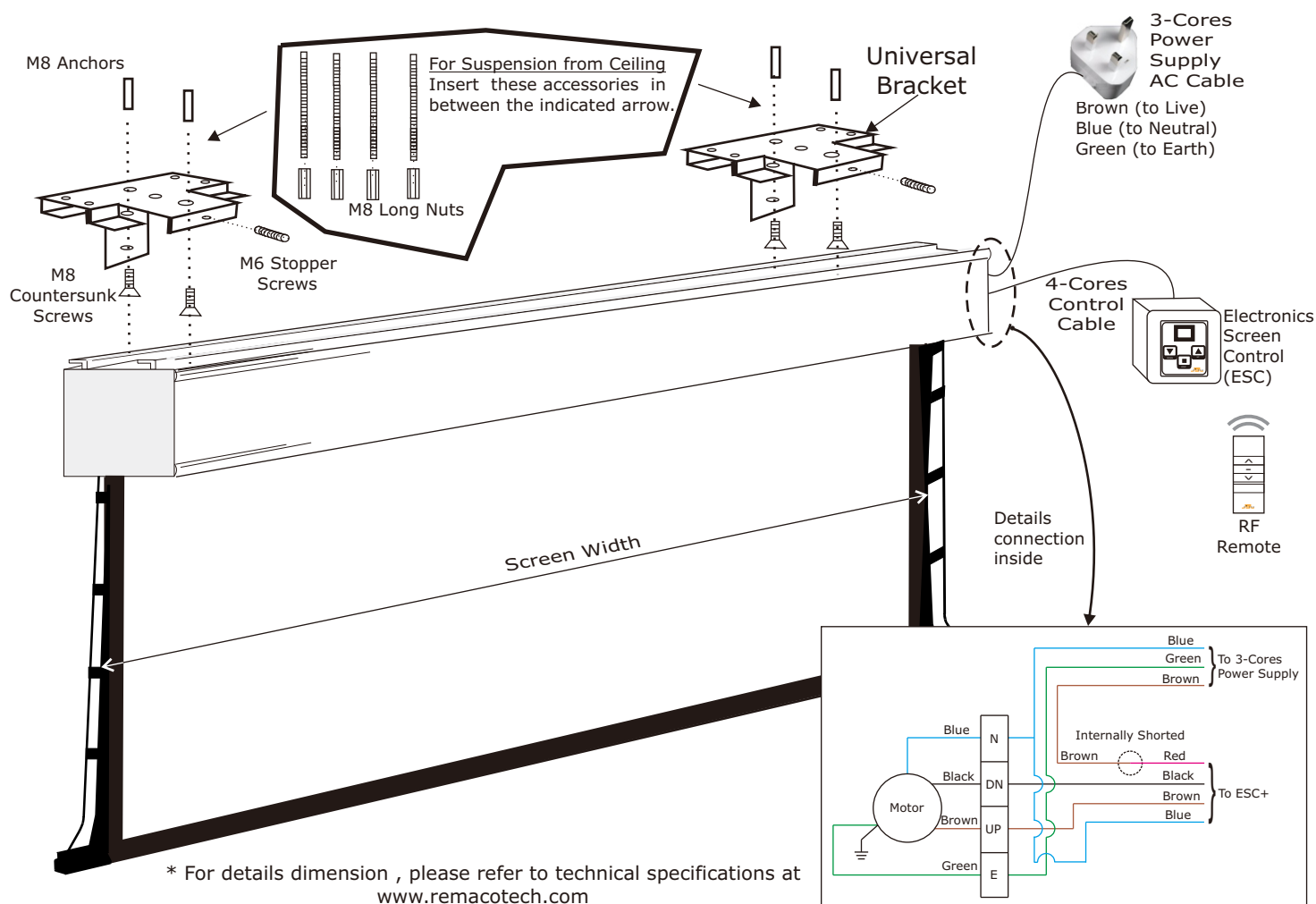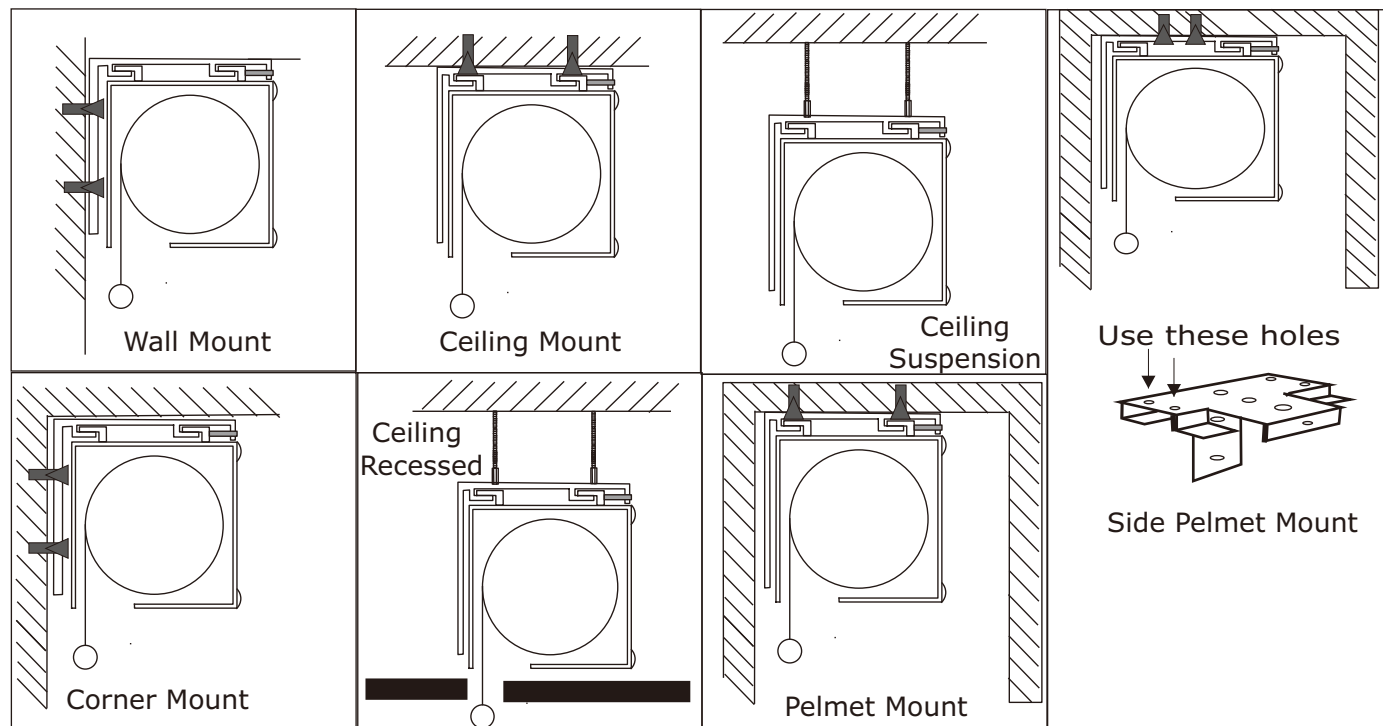V:10.0

Installation Guide / Manual (TEN-1612V to TEN-3319H)
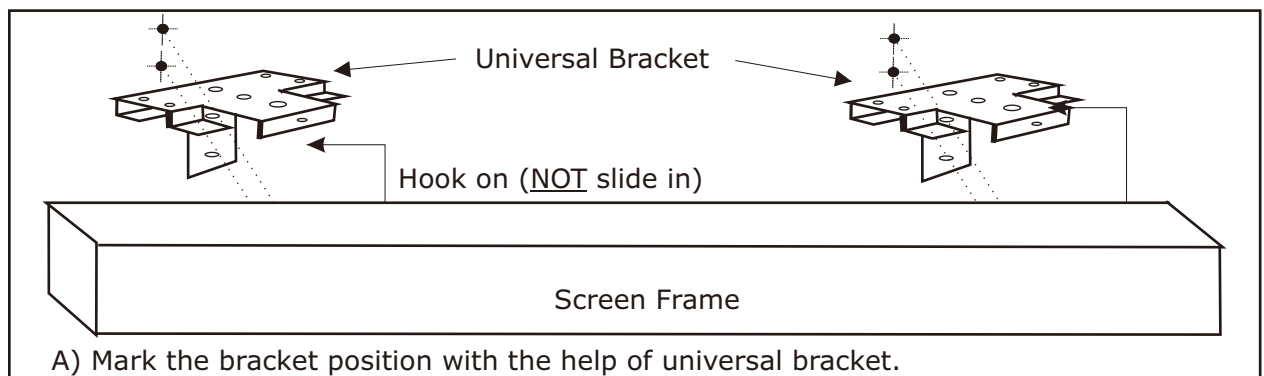
TEN

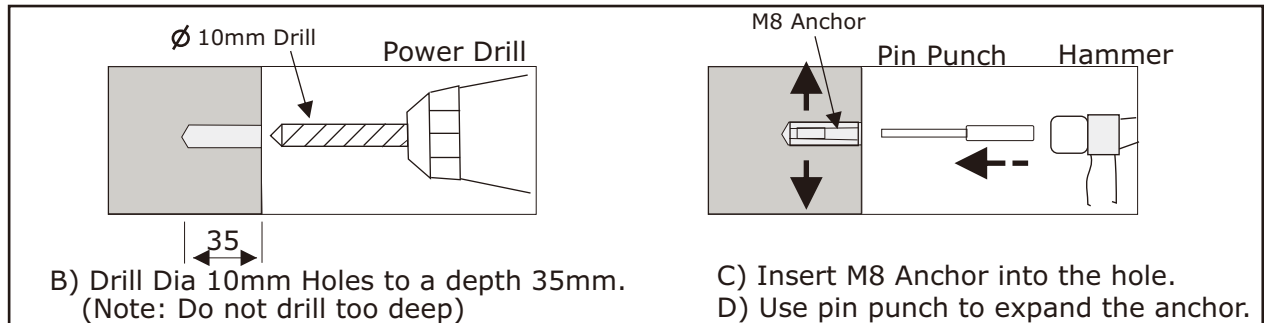| Warning	Caution with main supply and live wires. Install with qualified technician or trained personnel.

Universal Bracket can be used for any type of installation as shown below.

Wall Mount

Ceiling Mount

Ceiling Suspension

Use these holes

Side Pelmet Mount

Corner Mount

Ceiling Recessed

Pelmet Mount

M8 Anchors

For Suspension from Ceiling
Insert these accessories in between the indicated arrow.

Universal Bracket

3-Cores Power Supply AC Cable

Brown (to Live)
Blue (to Neutral)
Green (to Earth)

M8 Long Nuts

M8 Countersunk Screws

M6 Stopper Screws

4-Cores Control Cable

Electronics Screen Control (ESC)

RF Remote

Screen Width

Details connection inside

Blue
Green   To 3-Cores
Brown   Power Supply

Blue

N

Internally Shorted

Brown   Red

Black

Black
DN   Brown   To ESC+
Motor   Blue

Brown

UP

Green

E

* For details dimension , please refer to technical specifications at www.remacotech.com

STEP 1

Universal Bracket

Hook on (NOT slide in)

Screen Frame

A) Mark the bracket position with the help of universal bracket.

STEP 2

Ø 10mm Drill   Power Drill

35

B) Drill Dia 10mm Holes to a depth 35mm.
   (Note: Do not drill too deep)

M8 Anchor   Pin Punch   Hammer

C) Insert M8 Anchor into the hole.
D) Use pin punch to expand the anchor.

STEP 3

AC Power Input

Motor

Up   Down   Neutral   Live

ESC PCB Board

Down button

Up button

Switch S1

LED1

Stop button

ESC+

REMACO

Jumper CH1: open
       CH2: close

Down   Up   Stop   Com

Contact Closure

A/V Control System
(e.g. AMX / Creston)

AVA-200
Wall Switch

⚠ Momentary Contact closure connection (dry contact, normally open, voltage free).
Recommended to set close contact for 1.5sec for best working condition.
Any voltage above 3Vdc voltage will damage this ESC
Suitable to use with control systems (example: AMX, Crestron, Extron, ..etc)
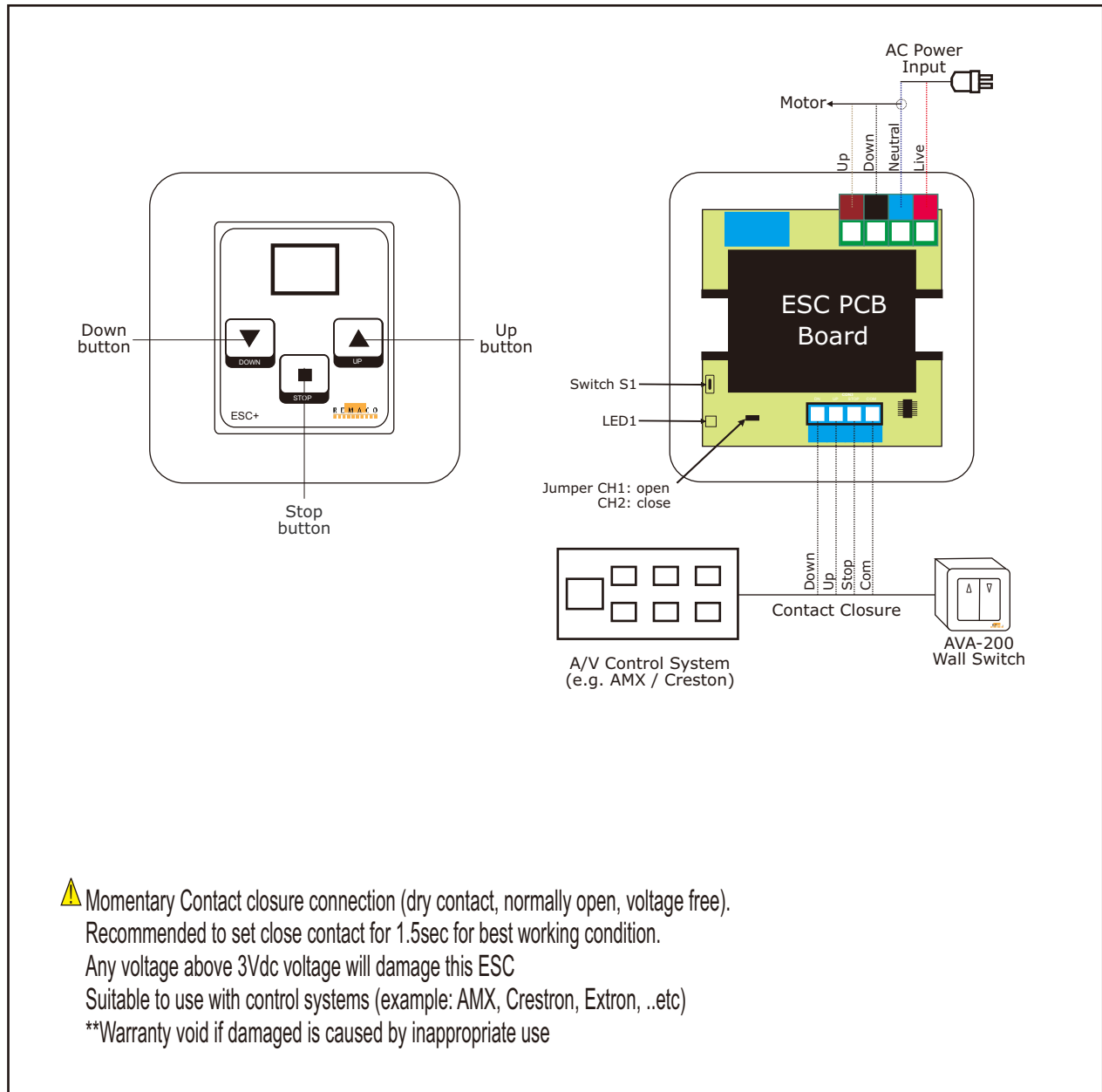**Warranty void if damaged is caused by inappropriate use

ESC+ compatible with AVA-315 1-Channel Radio Frequency Remote

AVA-315
Radio Frequency Remote

Pairing ESC+ with AVA-315 1-Ch

Learning Mode
Step1. Press and Hold Switch S1 for 4 seconds.
Step2. Release Switch S1 and motor step-move up/down, LED1 flash slowly.
Step3. Press UP button on the RF remote, motor step-move again and stop.
Step4. LED1 off and "Learning" is completed successfully.
* NOTE: Make sure RF remote control is set close to ESC+ not further 20cm.
**NOTE: If nothing is pressed within 20seconds, the learning mode will disable and back
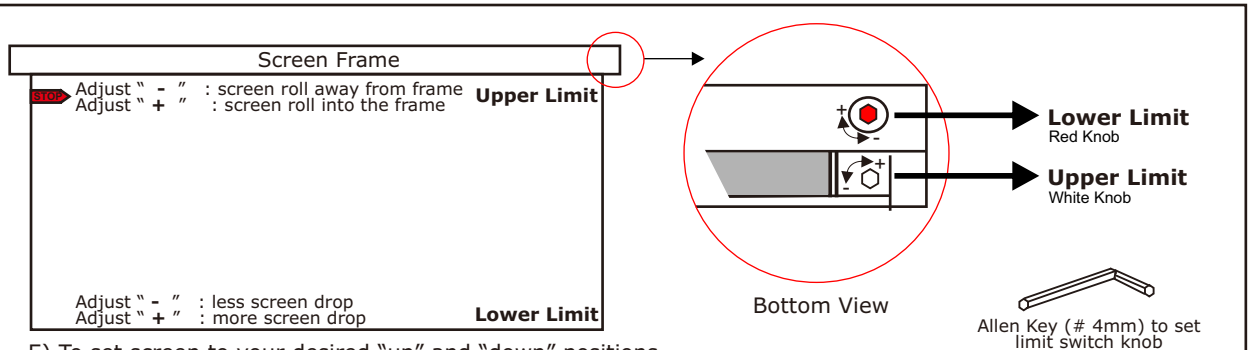   to normal mode.

Delete Mode
Step1. Press and Hold Switch S1 until the LED1 flash fast.
Step2. Release Switch S1.
Step3. Press Switch S1 again within 7seconds.
Step4. LED1 off, "Delete" mode is completed successfully.

STEP 4

Screen Frame

STOP Adjust " **-** " : screen roll away from frame
Adjust " **+** " : screen roll into the frame   **Upper Limit**

Lower Limit
Red Knob

Upper Limit
White Knob

Adjust " **-** " : less screen drop
Adjust " **+** " : more screen drop   **Lower Limit**

Bottom View

Allen Key (# 4mm) to set
limit switch knob

E) To set screen to your desired "up" and "down" positions.

Important Note
The upper limit and lower limit of the screen had been preset in factory. Any adjustment to these 2 limit
switches may cause damages to the screen fabric. If adjusted, it will cause the following problems:
a) The screen will roll into the frame and stop by force and not by the Upper Limit switch.
    This will cause overheating of motor which unable the screen to operate properly.
b) The depression of the bottom bar onto the fabric will cause horizontal mark on screen surface.
c) Adjusting the <u>Lower Limit</u> of the screen any lower than beyond the <u>STOP</u> sticker may cause the fabric
to drop off

Disclaimer
Any adjustment to these 2 limit switches will void the warranty for the screen and Remaco will hold
no responsibility for any damages to it. Please consult us if it is necessary to do any adjustment to the
limit switch.

End