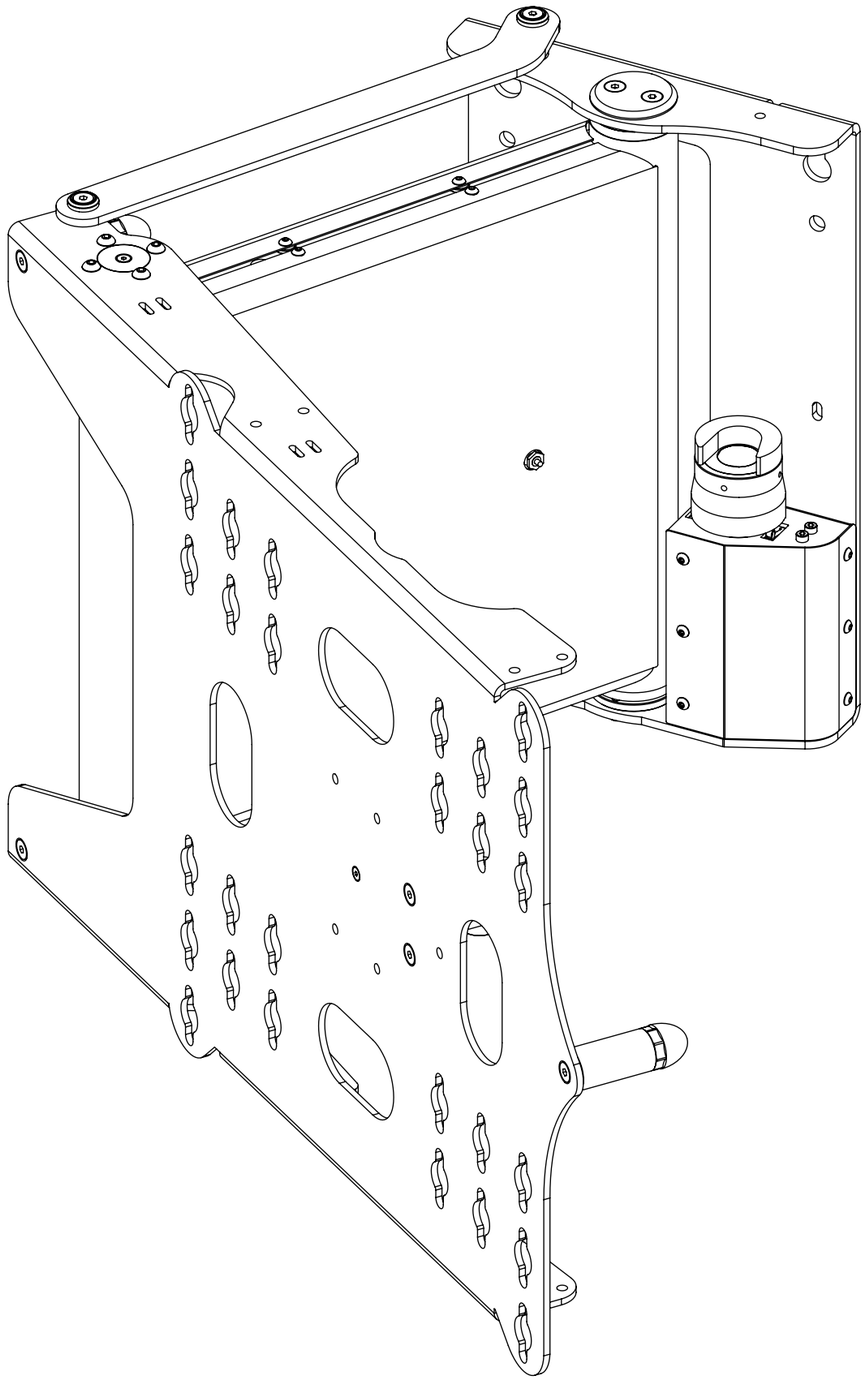
M-PSE90

MARINE MOTORISED ARTICULATED TV WALL MOUNT



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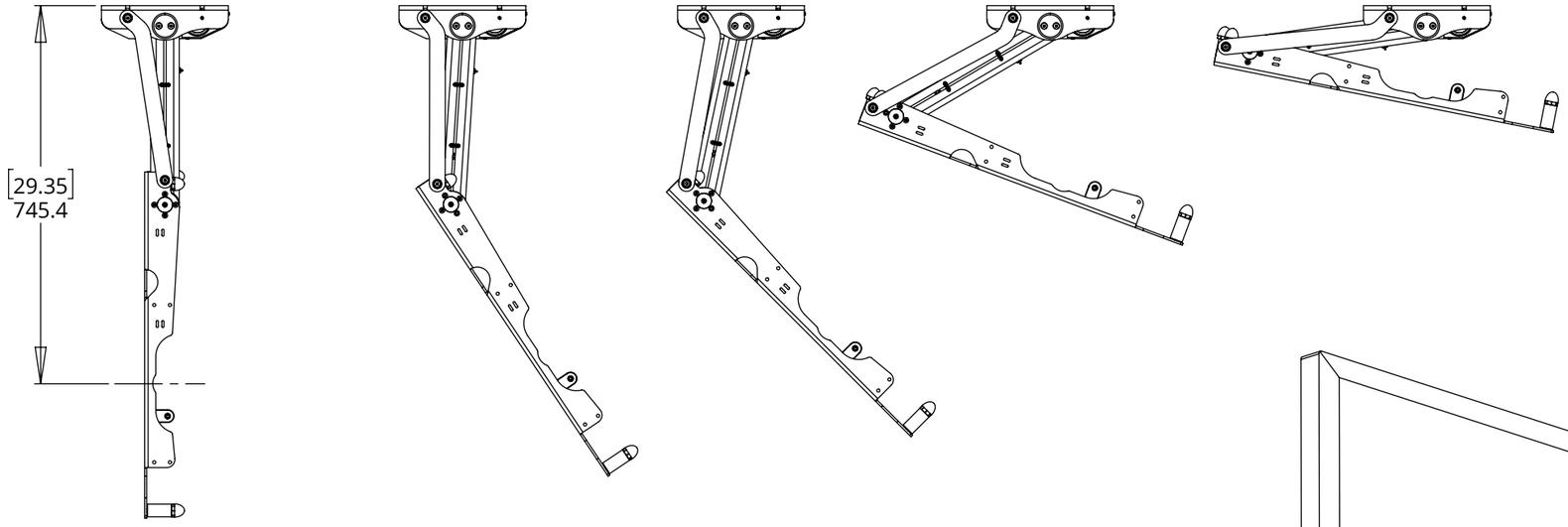
TECHNICAL SHEET
ISSUE 004
SHEET 1

M-PSE90
MARINE MOTORISED ARTICULATED TV WALL MOUNT

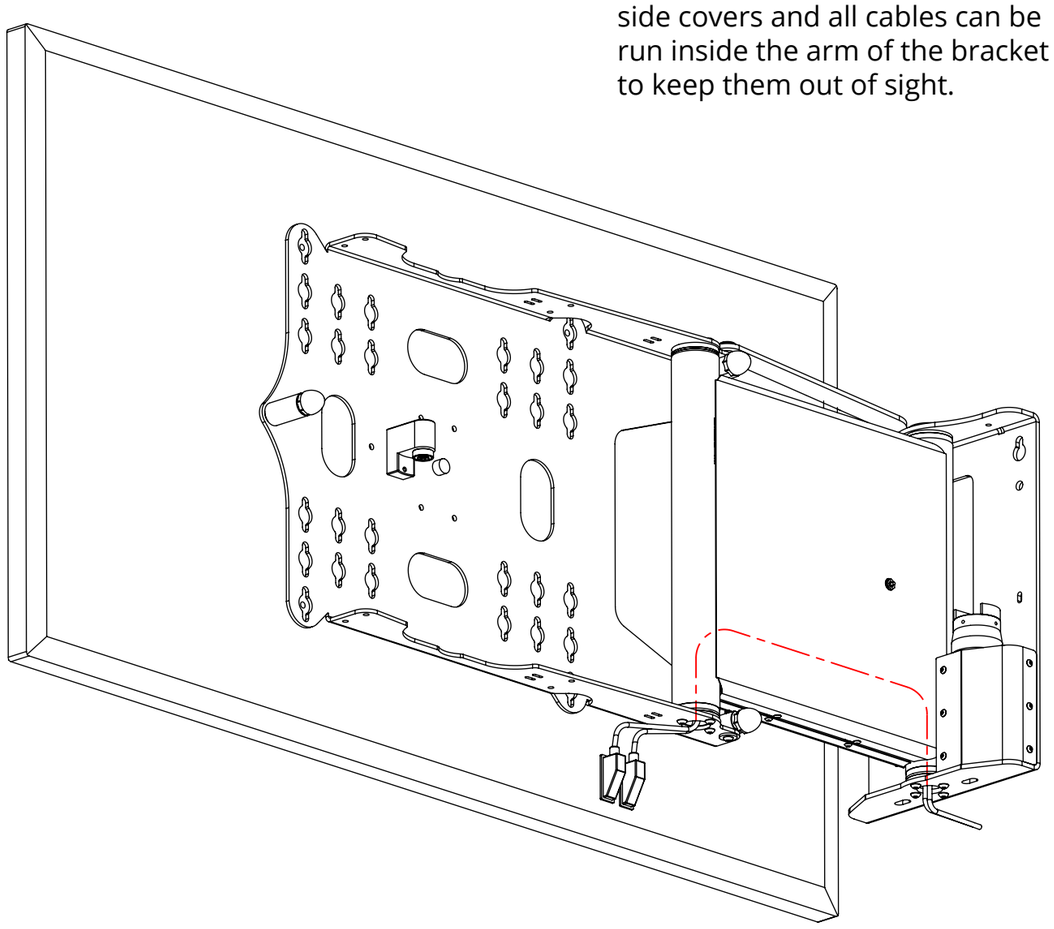
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SPECIFICATION	MEASUREMENTS
Product Dimensions	642mm (25.3") x 443mm (17.4") x 80mm (3.1")
Maximum Screen Size	1100mm (43.3") W @ 90° - 1640mm (64.6") W @ 60°
Maximum Weight Capacity	60Kg (132lb)
Maximum Speed	25mm/s
Maximum Extension From Wall	750mm (29.5") to screen centre
Depth From Wall	80mm (3.1")
Product Weight	22Kg (48.5lb)
Packaging Dimensions	780mm (30.7") x 600mm (23.6") x 210mm (8.3")
Shipping Weight	24Kg (53lb)
Maximum Rotation	90° - one direction (CW or CCW)
Movement Type	Motorised
Power Supply Required	110V - 240V AC
Power Consumption Max.	120W
Power Consumption Standby	3W
Mounting Patterns Supported	VESA 400, 300, 200 W x 400, 300, 200 H
Control Options	IR Remote, RS232, Contact Closure
Product Options / Features	Specific B&O and Loewe mounts / adapters, Custom RAL paint finishes, non-marine version
Package Contents	Mechanism, IR remote control
Marine Suitable	Yes

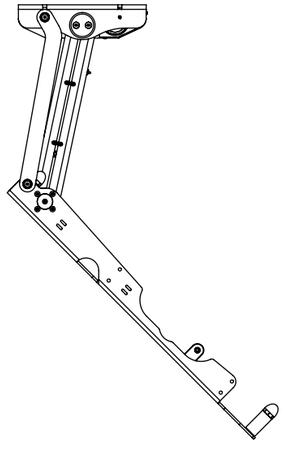
M-PSE90
MARINE MOTORISED ARTICULATED TV WALL MOUNT



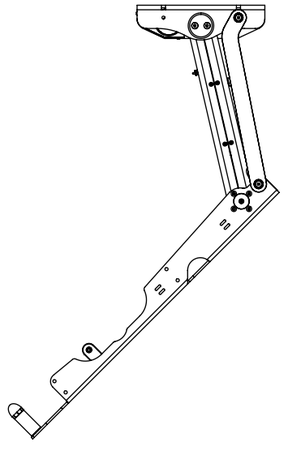
M-PSE90 has easily removable side covers and all cables can be run inside the arm of the bracket to keep them out of sight.



ORDER CODE
M-PSE90-CW
Clockwise movement



ORDER CODE
M-PSE90-CCW
Counter-clockwise movement



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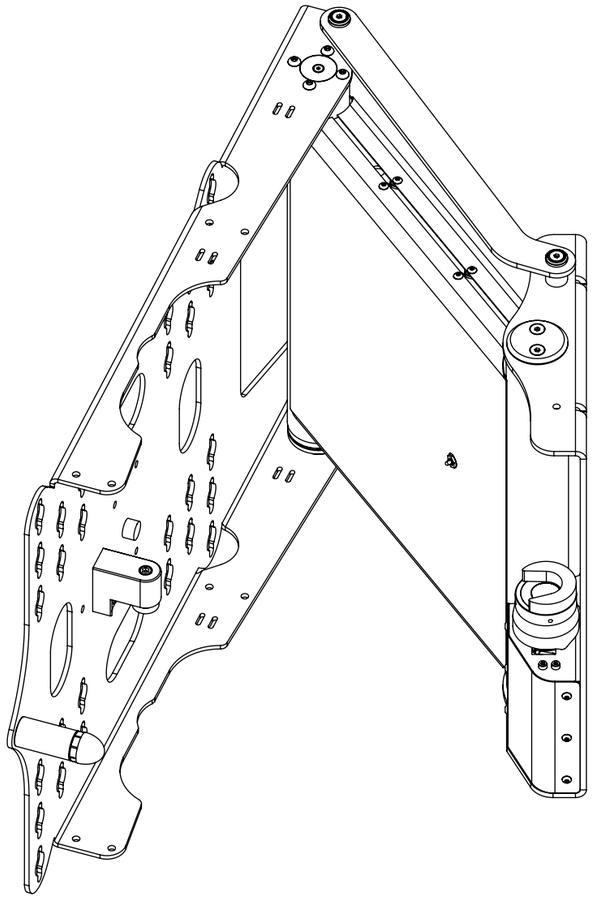
TECHNICAL SHEET
ISSUE 004
SHEET 3

M-PSE90
MARINE MOTORISED ARTICULATED TV WALL MOUNT

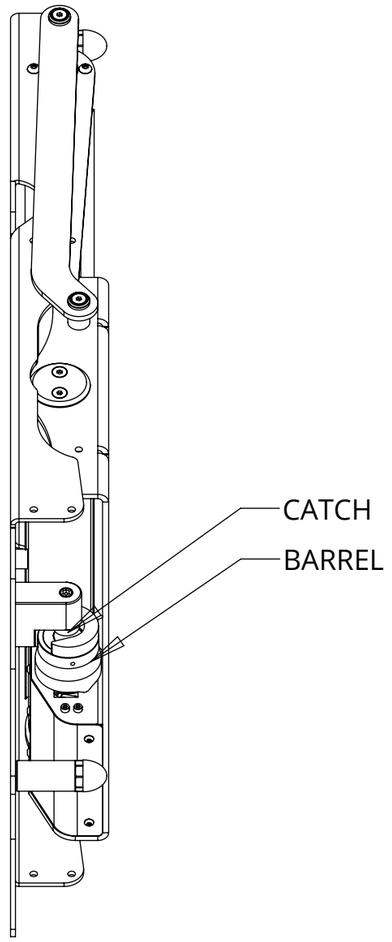
MARINE CATCH

The M-PSE90 marine lock consists of a rotating barrel located on the wall plate and a catch on the front plate.

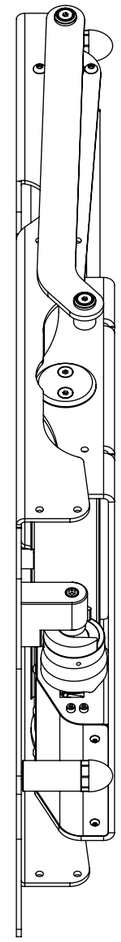
When in the IN position the barrel will rotate around the catch to securely lock the mechanism to the wall.



UNLOCKED



LOCKED



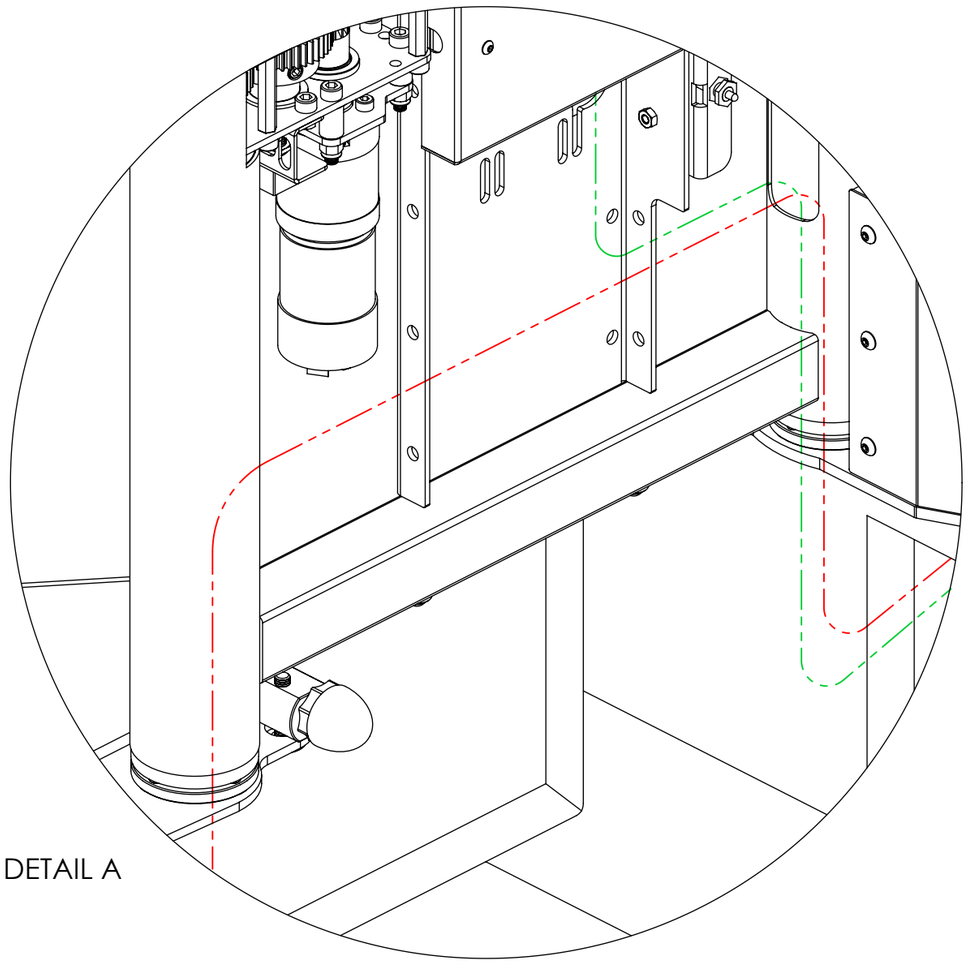
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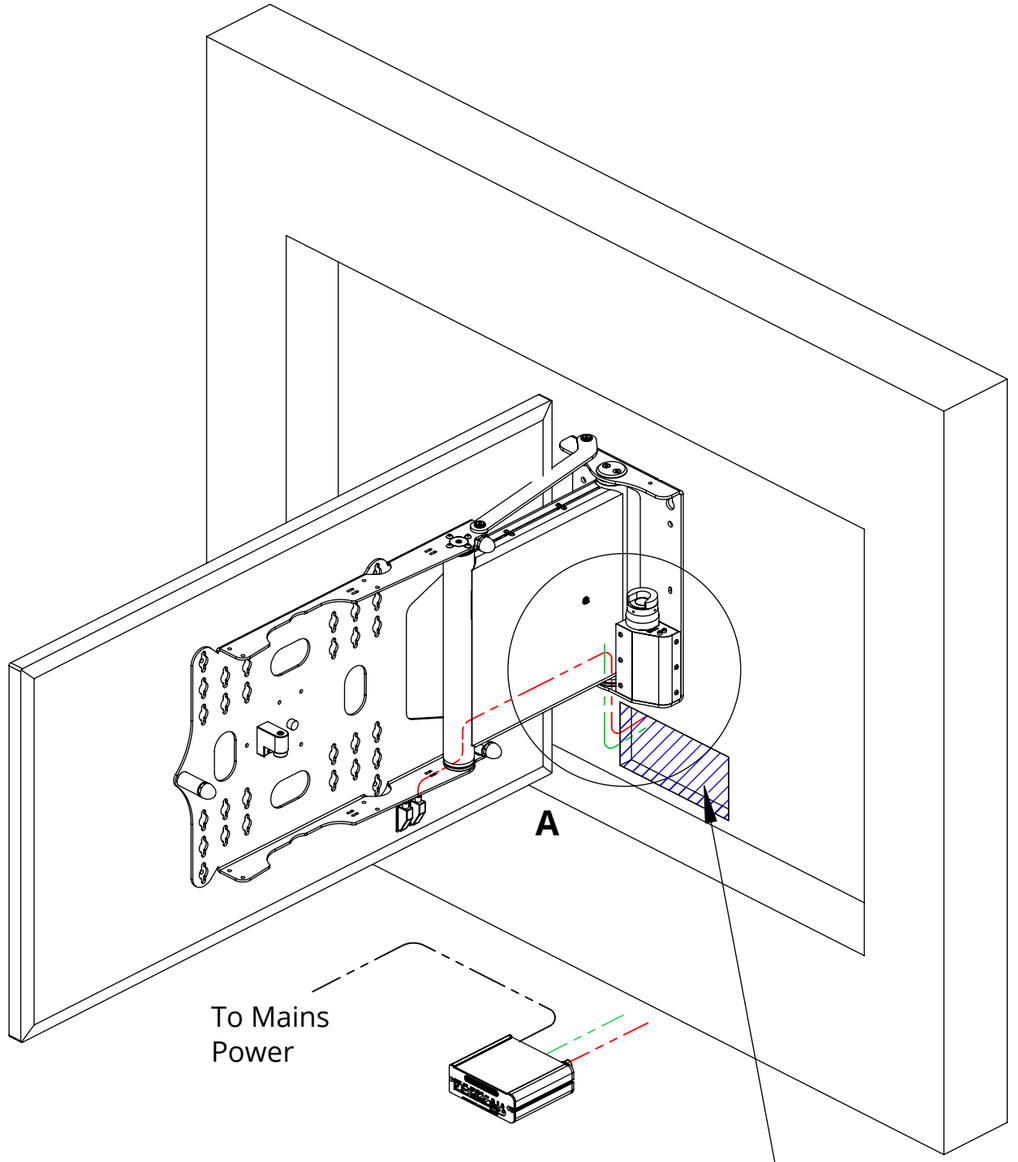
CABLE ROUTING

Screen cables are routed from the TV up into the M-PSE90 and run along the arm of the bracket behind the removable covers, ensuring the cables do not interfere with the mechanism as it operates and for a neat finish.

The screen and mechanism cables exit then bracket at the base of the wall plate and should be routed out of the back or the base of the wall recess to a control box located on the 4m wiring loom.



DETAIL A



SCREEN CABLE

MECHANISM CABLE

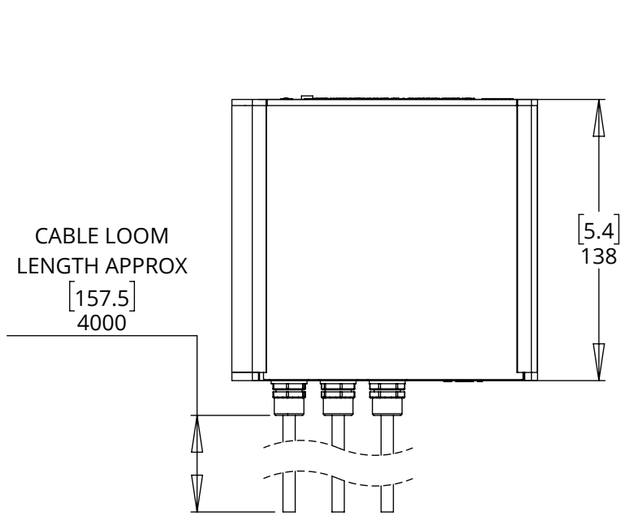
POWER CABLE

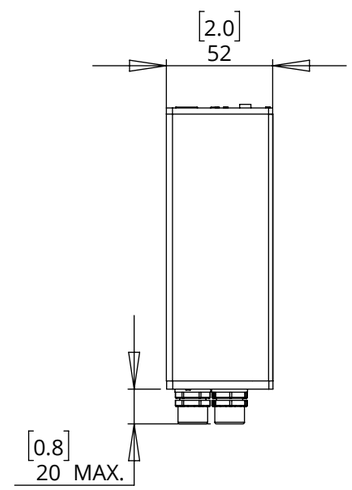
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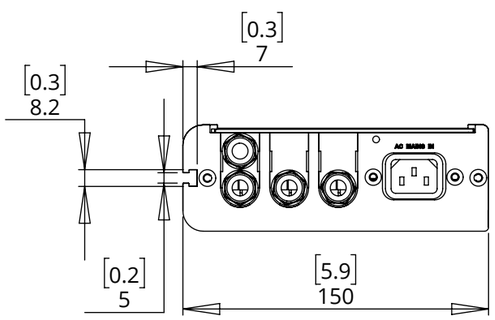
M-PSE90
MARINE MOTORISED ARTICULATED TV WALL MOUNT

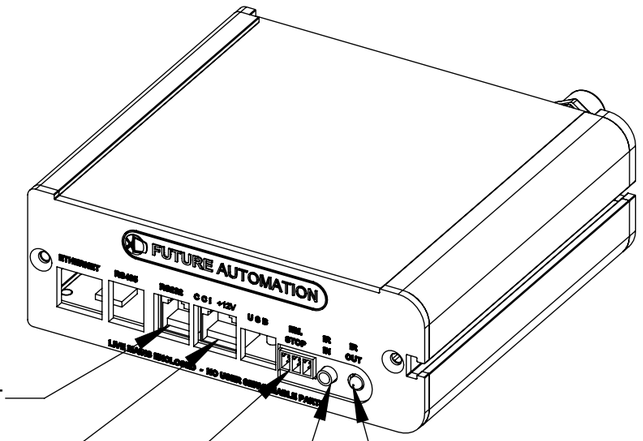
CONTROL BOX

- Power Supply Unit (PSU) will allow 110V or 240V AC input. The same PSU is used for EU or US mains supplies.
- Other than control cables, all cables terminate at the control board via standard phoenix connnectors.
- Cable loom length supplied at approx. 4m [158"]. Loom can be extended to a maximum of approx. 10m [400"].
- Minimum cable bend radius 25mm [1"].

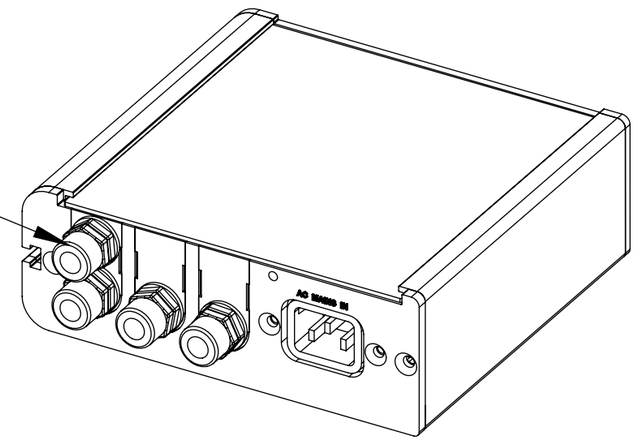








4 Cables lead from bracket to contol box:



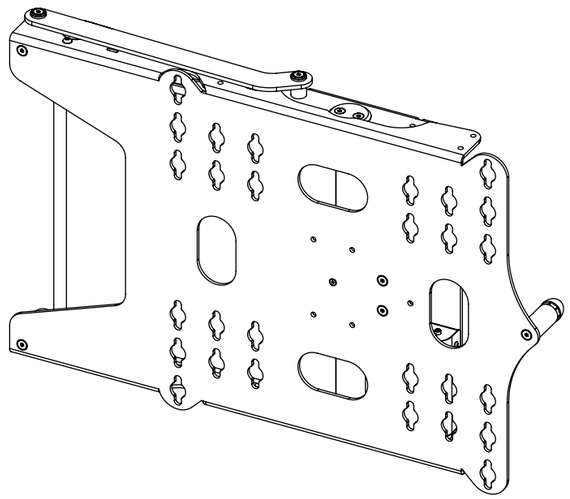
2 Core Cable for Marine catch motor 6mm (0.25”) DIA EU SPEC: 0.75mm² US SPEC: 18AWG	6 Core Cable for Marine catch switches 6mm (0.25”) DIA EU SPEC: 0.20mm² US SPEC: 24AWG
2 Core Cable for Main arm motor 6mm (0.25”) DIA EU SPEC: 0.75mm² US SPEC: 18AWG	12 Core Cable for Main arm limit switches and potentiometer 6mm (0.25”) DIA EU SPEC: 0.20mm² US SPEC: 24AWG

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M-PSE90
MARINE MOTORISED ARTICULATED TV WALL MOUNT

SCREEN MOUNTING OPTIONS

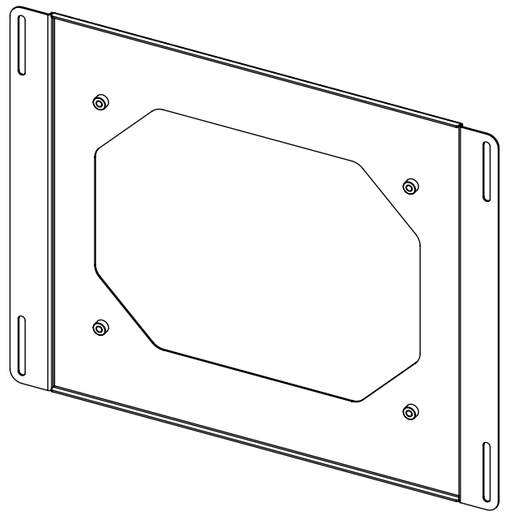


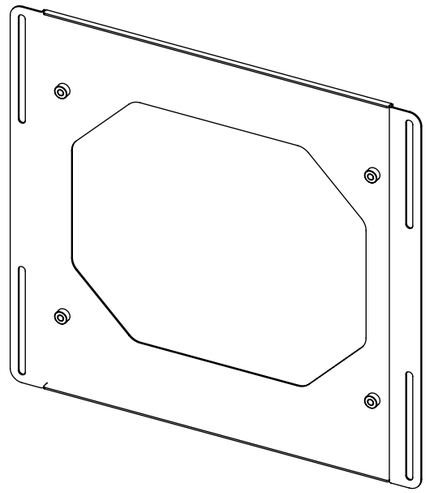
V400 STANDARD

Standard M-PSE90 mount
is a VESA 400 mount plate.

Compatible with VESA patterns-

400 x 400
400 x 300
400 x 200
300 x 300
200 x 200





VARIOUS ADAPTER PLATES AVAILABLE

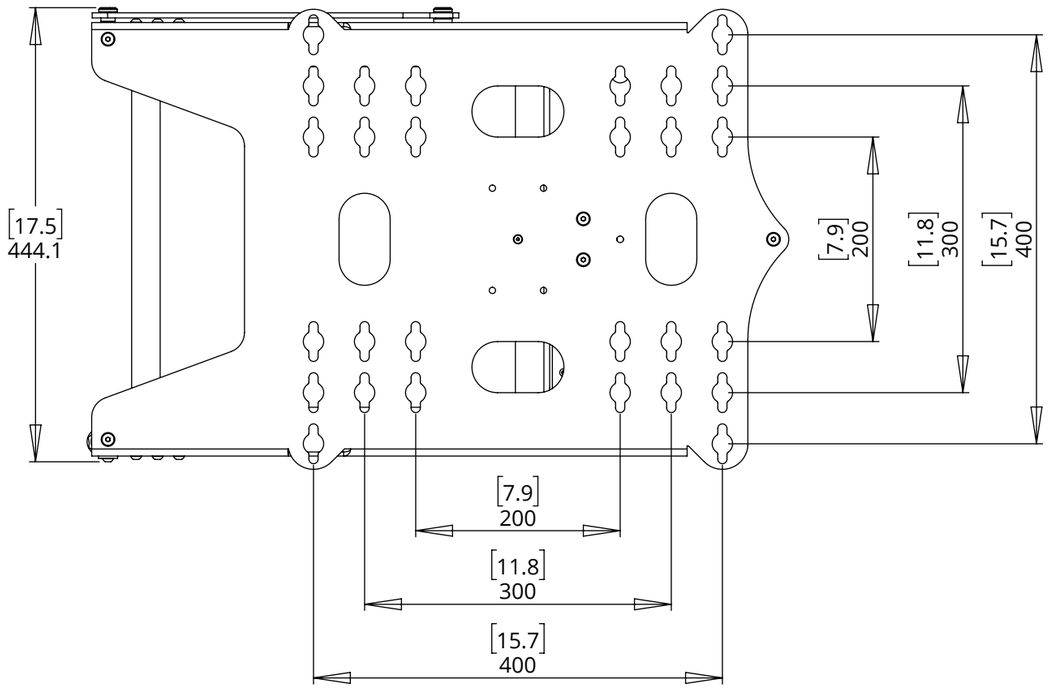
Standard adapter plates
avaible for the M-PSE90
include the following.

684 x 300
660 x 320
600 x 400
500 x 300

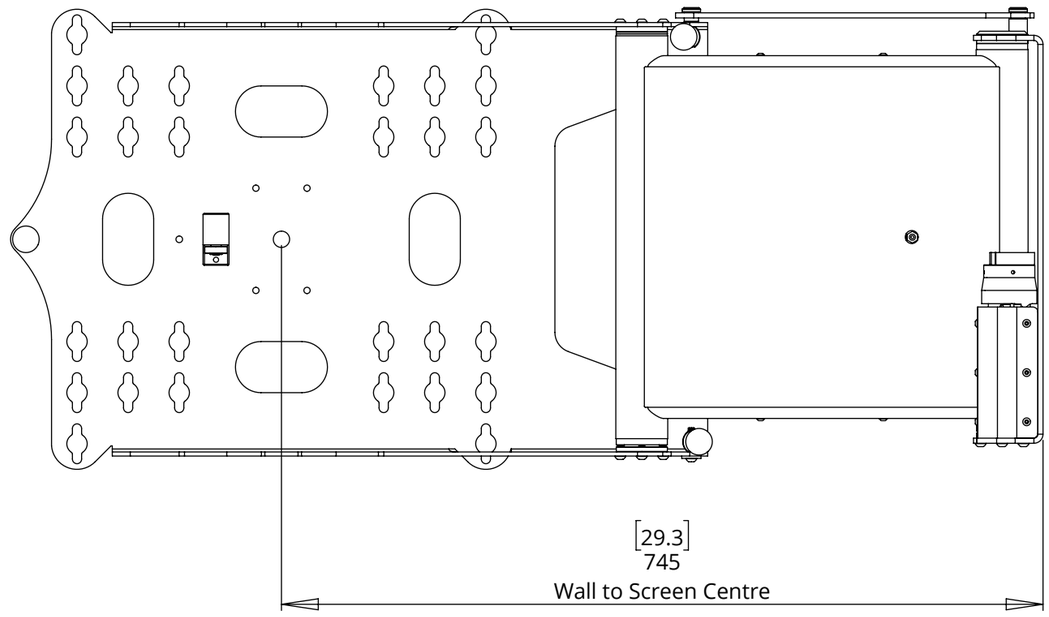
M-PSE90
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V400 STANDARD DIMENSIONS

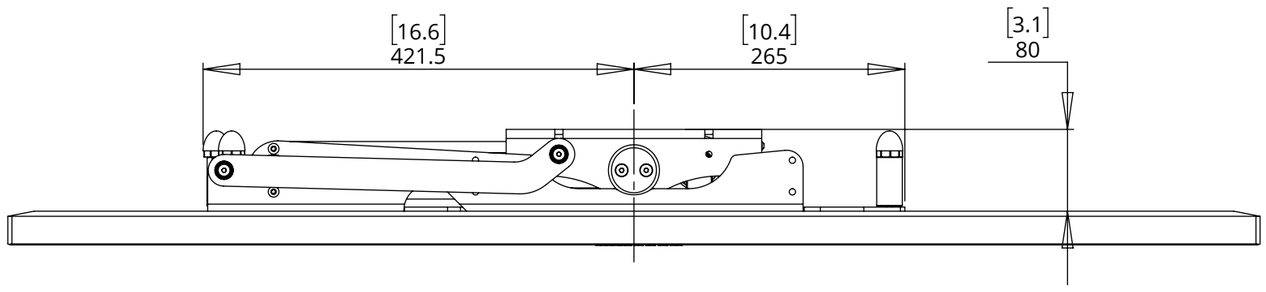
BRACKET DIMENSIONS - FRONT (IN POSITION)



BRACKET DIMENSIONS - FRONT (IN POSITION)



BRACKET DIMENSIONS - PLAN (IN POSITION)



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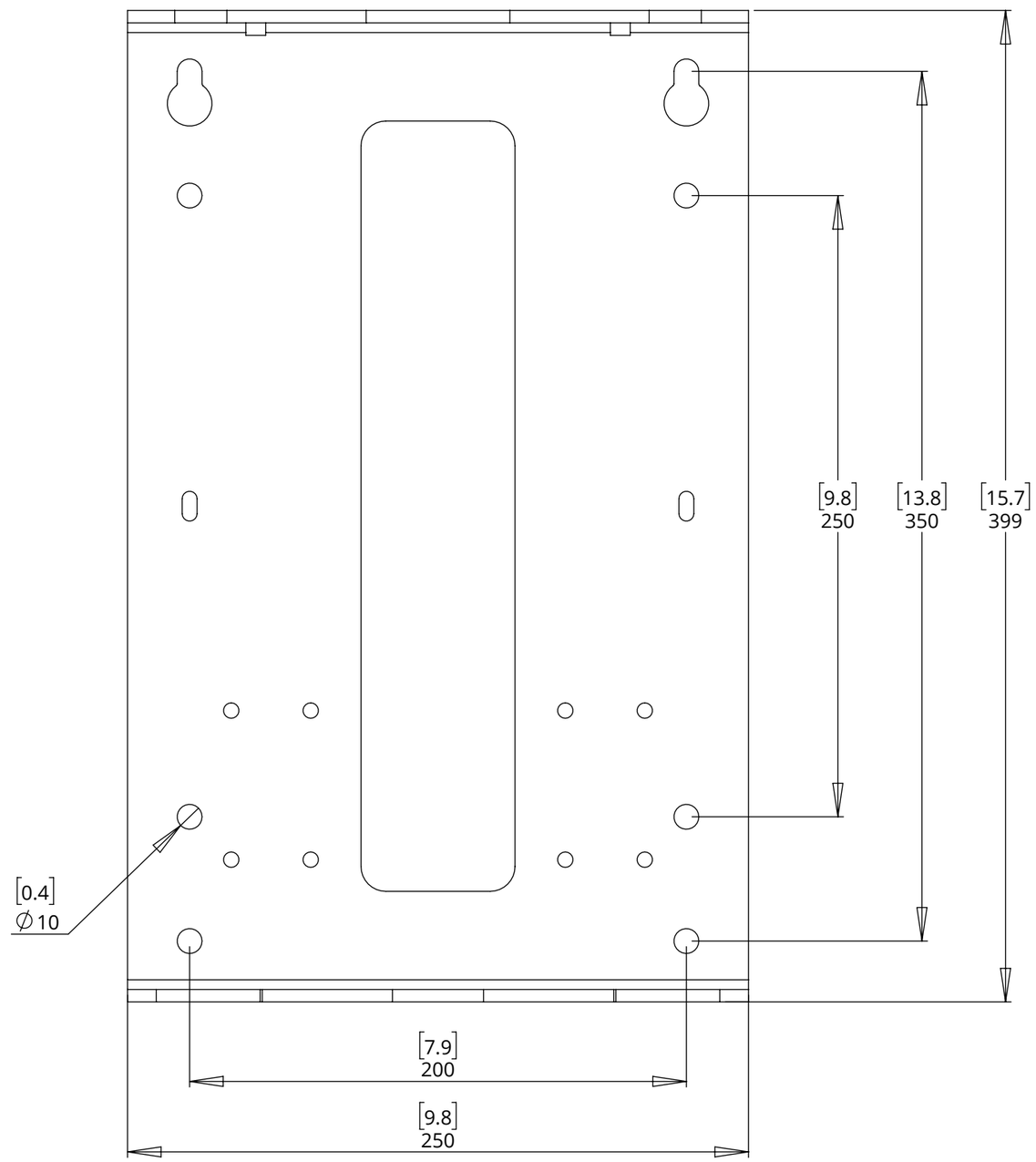
M-PSE90
MARINE MOTORISED ARTICULATED TV WALL MOUNT

WALL PLATE DIMENSIONS

Dimensions apply for all variants of the PSE90.

NOTE: Centre line for screen is central to the PSE90 wall plate.

WALL PLATE DIMENSIONS - FRONT



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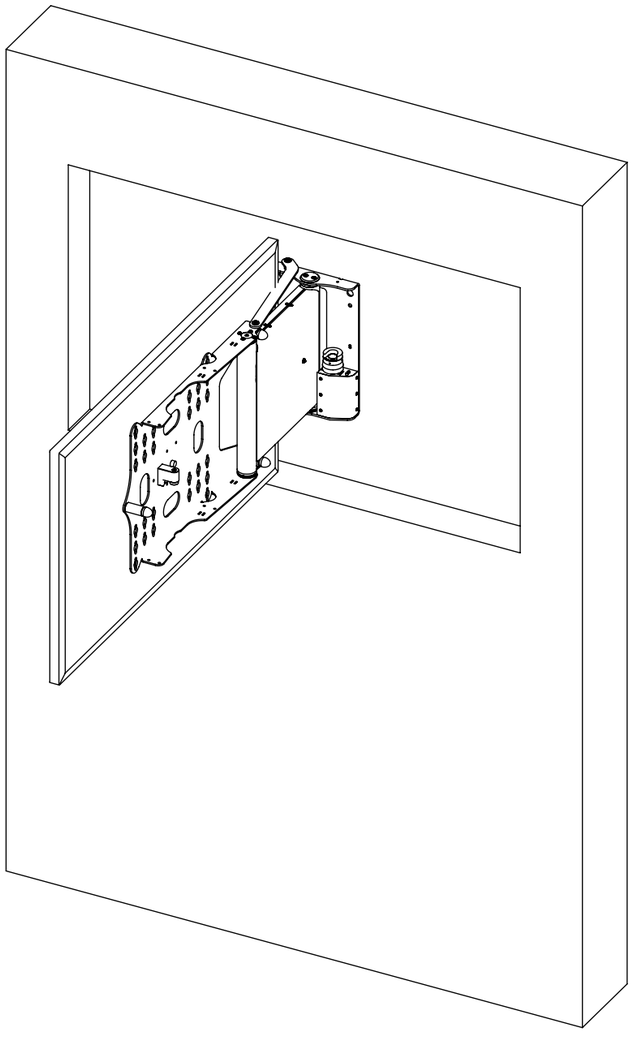
M-PSE90
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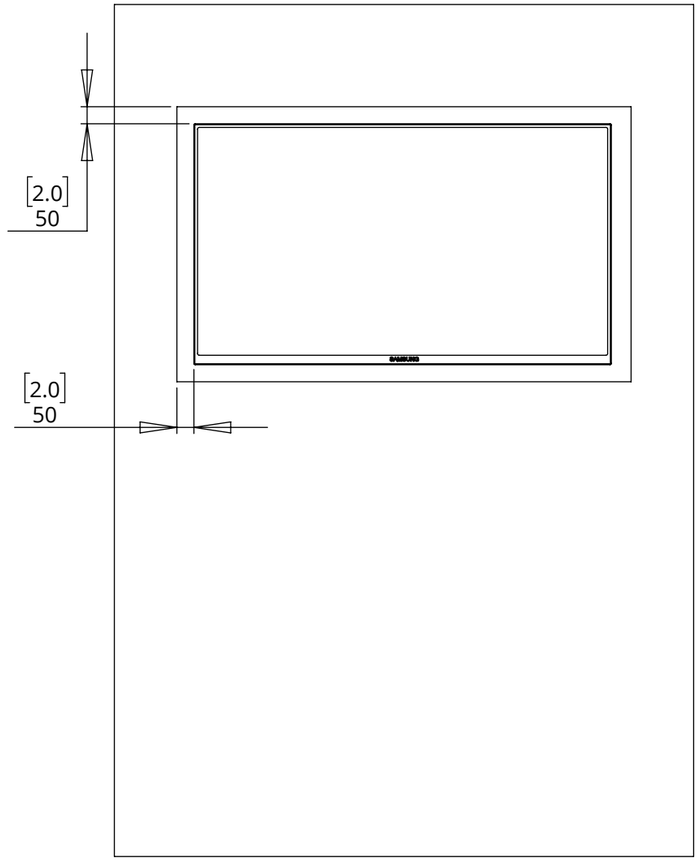
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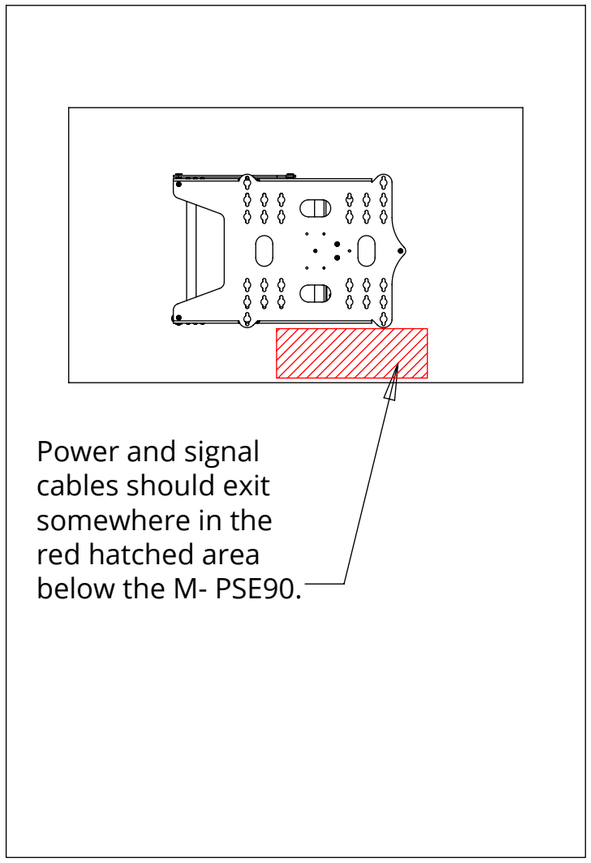
RECESS MOUNTING

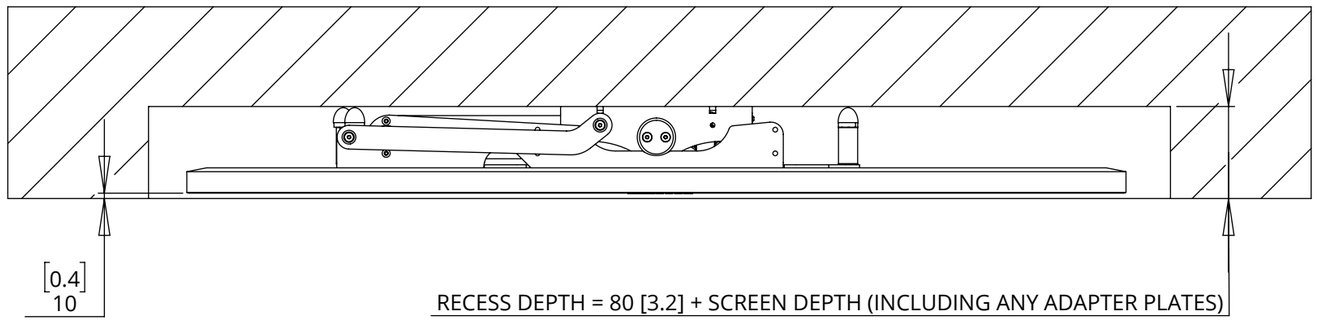
A minimum of 50mm [2"] gap should be left all round between the screen and the recess to allow for ventilation.

The gap to the left and right side of the screen can not be reduced. The screen would hit the edge of the recess as it swings out otherwise.









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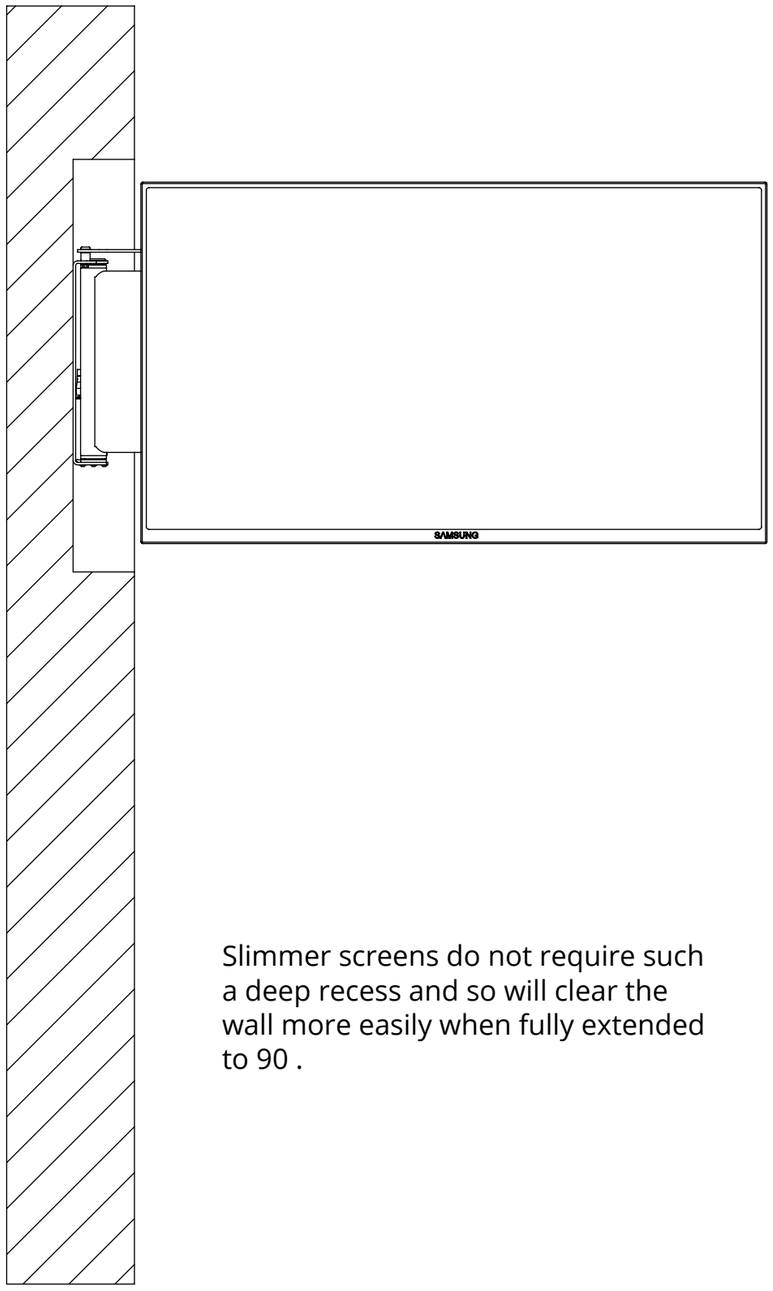
M-PSE90
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RECESS MOUNTING

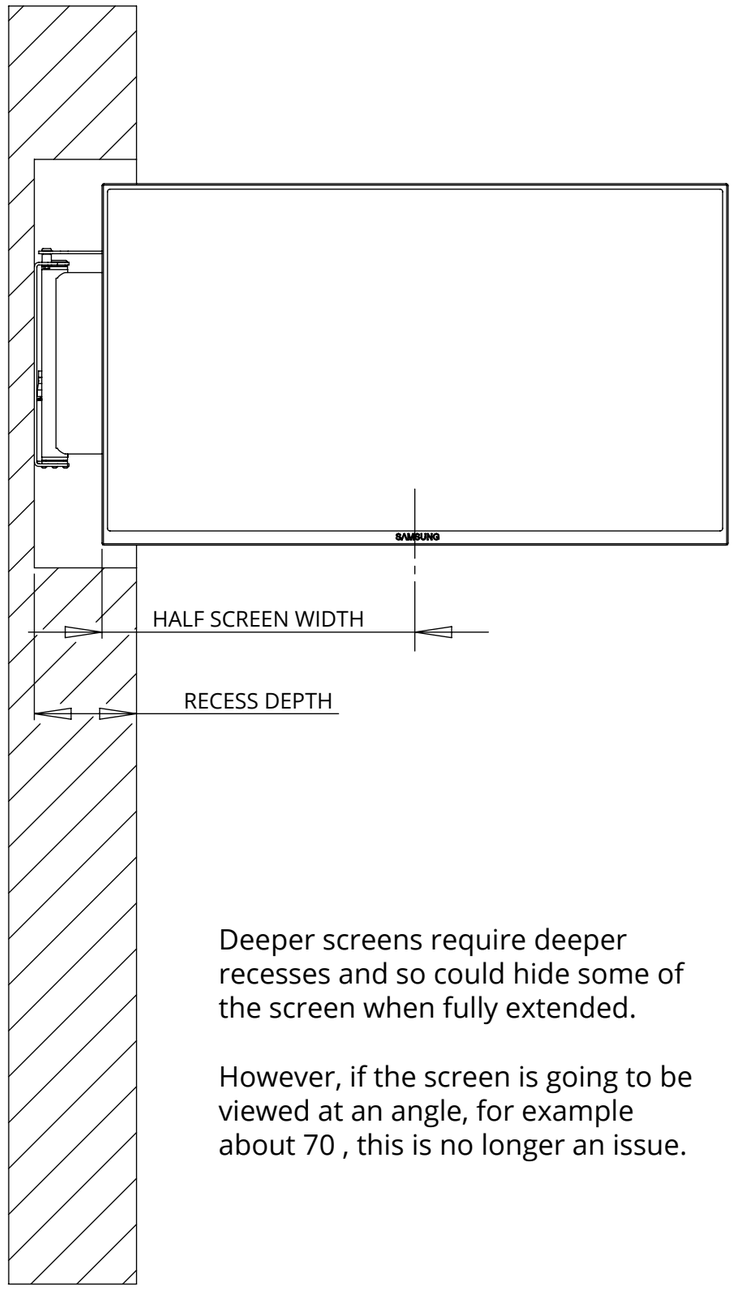
It is important to check the screen dimensions before planning to mount the PSE90 within any kind of recess.

Deeper screens require a deeper wall recess which could obstruct viewing if screen rotated to 90 .Some screen sizes may simply not be possible to mount in a recess.

These diagrams show how:



Slimmer screens do not require such a deep recess and so will clear the wall more easily when fully extended to 90 .



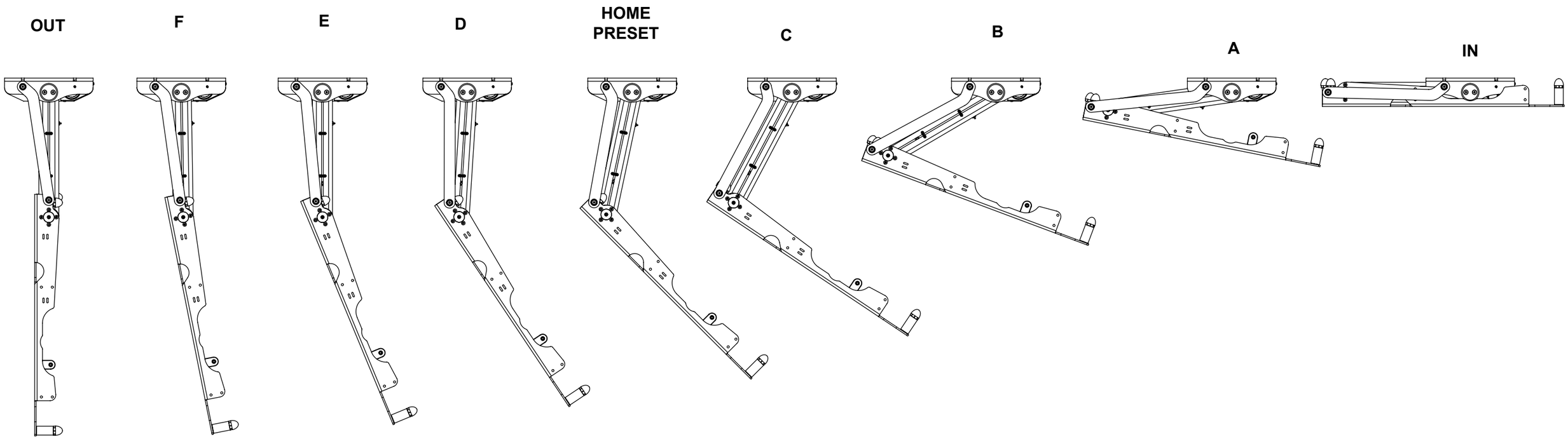
Deeper screens require deeper recesses and so could hide some of the screen when fully extended.

However, if the screen is going to be viewed at an angle, for example about 70 , this is no longer an issue.

M-PSE90
MARINE MOTORISED ARTICULATED TV WALL MOUNT

BRACKET SETUP

BRACKET MOVEMENT AND PRESET OPTIONS



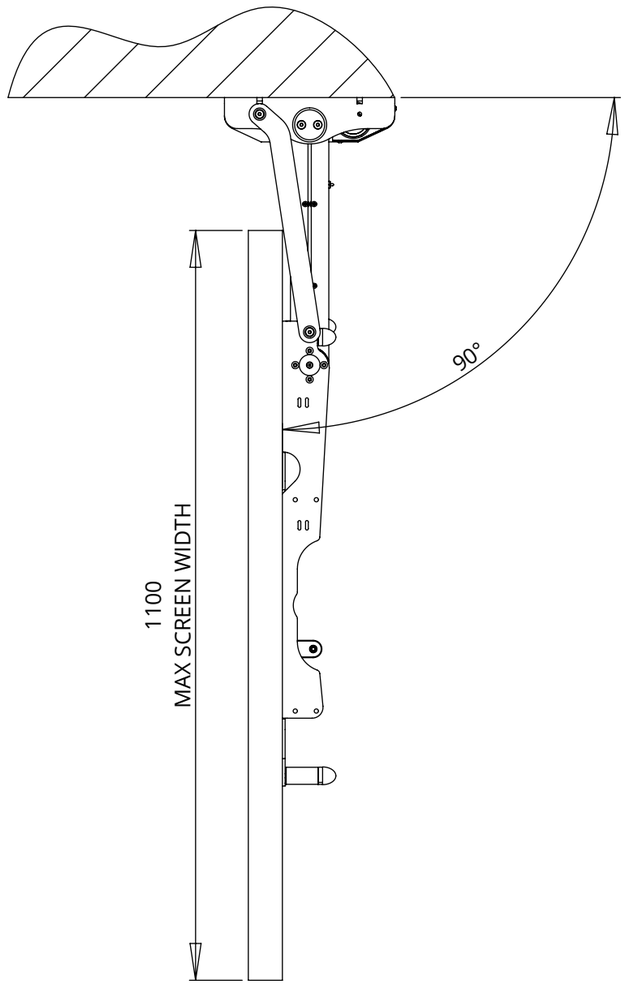
A number of preset positions are set in the mechanism which are shown above with the corresponding letter on the remote control.

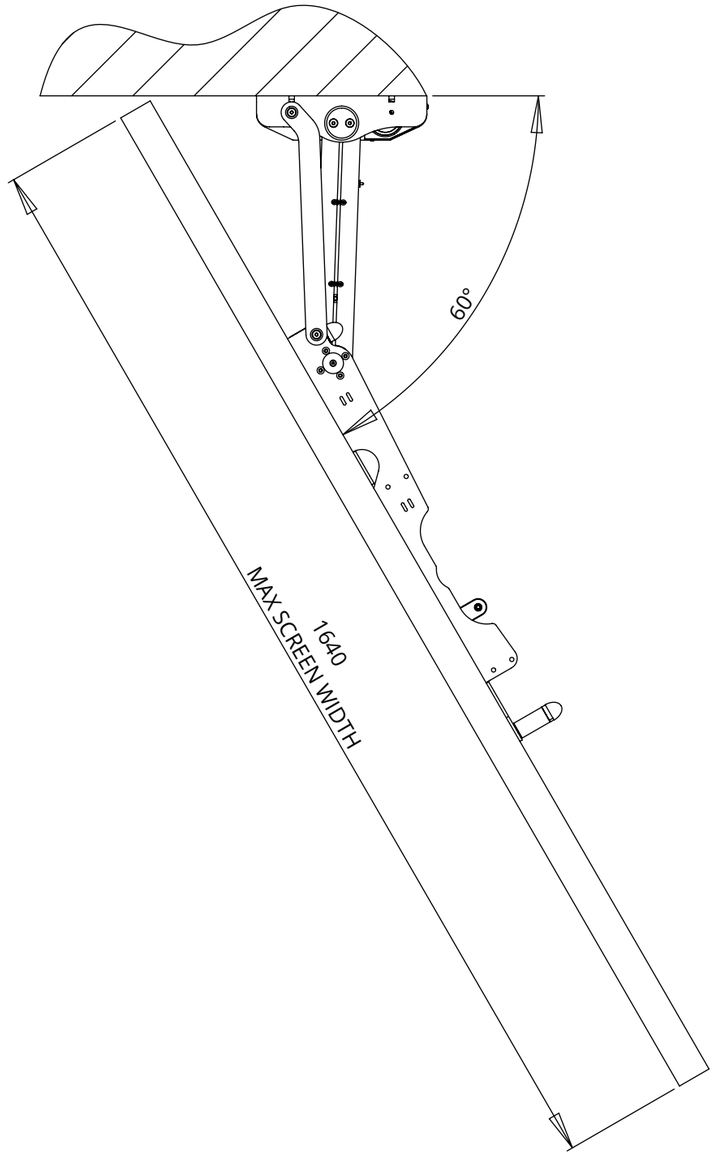
These positions can be changed apart from the IN and OUT.

M-PSE90
MARINE MOTORISED ARTICULATED TV WALL MOUNT

MAX SCREEN VIEWING ANGLES

Below shows the maximum possible screen width with the M-PSE90 in the 60 and 90 viewing angles





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