

RESPONSE™ CONSOLE

ABOUT RESPONSE™ CONSOLE

The ultimate solution for the 24/7 command and control room operation, the Response console provides a unique ergonomic approach for this demanding environment. Response combines an automated sit-stand option using magnetic actuators with a modular, space age tough, structural polymer frame and adds an optional electrically actuated Unity Monitor Arm giving the user complete command of their environment.

RESPONSE™ CONSOLE FEATURES

Sit-to-Stand Operation. The response console is designed as a sit – to – stand operating console. Magnetic actuators placed inside the console provide smooth adjustment of the worksurface from sitting to standing height. This provides smooth transition between users within a 24/7 environment.

Structure Flexibility. The structure of the Response desk is fully compatible with that of the Axiom console allowing for continuous layouts of Response desks bridged with Axiom modules. This provides the control room designer with greater flexibility in the layout of the room.

Contemporary Styling. The structural polymer front and rear panels give the Response desk a contemporary appeal with cutting-edge cladding design and color options. Response is currently available in a limitless array of colors as well as a wide variety of materials.

Equipment Placement. The base of the Response desk provides sufficient volume to accommodate the required worksurface lift columns, as well as a personal environmental system (Optional). As an alternative, a shelf and / or rackmount equipment system can be housed within the middle bay of the console.

Human Factors Based Design. The standard Response system is designed to comply with accepted Human Factors of Design and applicable ergonomic standards including ANSI/BIMFA, CSA, and ISO.

Equipment Access. The cladding of the Response desk consists of structural polymer front and rear panels, hinged for easy access to the interior of the console.

Wire and Cable Management. The structure of the response console provides for efficient cable management within the body of the console. Cabling running to worksurface mounted devices is routed through an E-chain articulating cable management system. This permits clean and efficient routing and bundling of cables.

Unity Monitor Arm. The Unity Monitor Arm is a piston-assisted, electrically actuated arm¹ that allows the operator to move or tilt all monitors as a single unit, without the time consuming need to individually move each monitor. Capacity of up to 8 monitors.

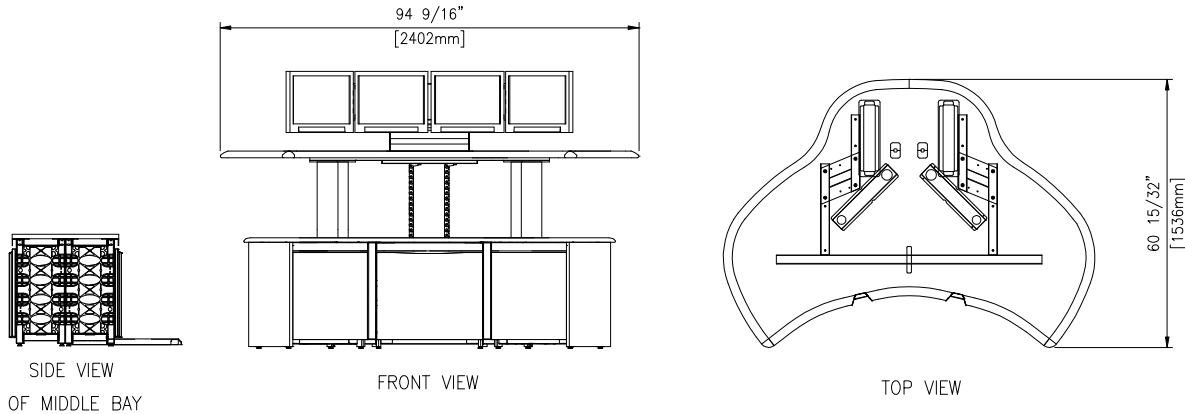
Standard Module Dimensions and Configurations

Single Workstation

- Width of 84 in and a depth of 60 in
- Worksurface height range: 28.5 in to 44.25 in
- Lift column electric actuated weight capacity: 600 lbs. without worksurface and arm.

Unity Monitor Arm

- Height Adjustment: 11.5 in to 18.5 in from worksurface to centerline of display
- Electrically actuated tilt adjustment: -5 degrees to +20 degrees
- Outer wing adjustment: 0 degrees to +30 degrees
- Wiring concealed in energy chain



RESPONSE™ CONSOLE MATERIAL SPECIFICATIONS

1.0 Console Structure

Structural Foam

- Acrylonitrile Butadiene Styrene (ABS)
- Density: 0.044 lbs./in³
- Tensile Yield: 5,800 psi
- Tensile Modulus: 300 ksi
- Finish: None
- Flame Rating: UL94 V0
- (Unfinished) ASTM
- Poisson's Ratio: 0.40

¹ Front to back movement is completed manually

Sheet Metal

- Cold Rolled Steel
- Density: 0.290 lbs./in³
- Yield: 27 ksi
- Modulus of Elasticity: 29 x 10⁶ psi
- Flame Rating: Not applicable
- Finish: Powder Coated
- Poisson's Ratio: 0.30

Aluminum Extrusions

6063-T54 Aluminium

- Density 0.098 lbs./in³
- Yield 30 ksi
- Modulus of Elasticity 10.6 x 10⁶ psi
- Flame Rating Not applicable
- Finish Powder Coated
- Poisson's Ratio 0.33

6060-T5 Aluminium

- Density 0.098 lbs./in³
- Yield 16 ksi
- Modulus of Elasticity 10.6 x 10⁶ psi
- Flame Rating Not applicable
- Finish Powder Coated
- Poisson's Ratio 0.33

2.0 Internal Components

Magnetic Lift Columns

- Magnetic TXG auxiliary unit
- Push force 1500 N Max. (per column)
- Speed 17 – 23 mm/s
- Stroke (increments of 100) 200 – 600 mm
- End to end height (2X0) 380 – 780 mm
- Voltage 24 DC (110 controller converts to 24 DC)
- Current Input 5 A
- Weight 8 – 13 Kg.

Processor Shelves

- Fixed shelves 14-gauge C.R.S. powder-coated finish (black)
- Swing-out shelves 14-gauge C.R.S. powder-coated finish (black)
- Slide-out shelves 16-gauge C.R.S. powder-coated finish (black)²
- Rackmount Shelf 16 gauge C.R.S. powder-coated finish (black)

² For full depth bays only.

- Max. Processor Width 11.25 in (286 mm) on fixed shelf
- Max. Processor Depth 18.50 in (470 mm) on fixed shelf
- Max. Processor Height 19.75 in (502mm) on fixed shelf
- Max. Processor Width 19.25 in (502mm) on adjustable shelf
- Max. Processor Width 8.50 in (215 mm) on swing-out shelf³
- Max. Processor Depth 17.75 in (450 mm) on swing-out shelf
- Max. Processor Height 19.50 in (495 mm) on swing-out shelf

Rackmount Space⁴

(For standard 19 in rackmount)

- Equipment Front 8 RU (14 in – 356 mm)
- Lower 9 RU (15.75 in – 400 mm)
- Distance between rails 4-pt rackmount is 17.75 in (450 mm)

3.0 Unity Arm™

The optional Unity Monitor Arm is a piston-assisted, electrically actuated arm that allows the operator to re-orient all monitors as a single unit. The total weight capacity that exceeds 600 lbs. The range of movement of the Unity Arm is as follows:

- Front to Rear: The Unity Monitor Arm™ has a range of movement of 9 in. Movement is manual.
- Tilt Up/Tilt Down: Displays can be tilted as a group, allowing the operator's line of sight to remain perpendicular to the monitors in either the sitting or standing positions (or anywhere in between). Movement is electrically actuated.
- Angle Screens: Manual adjustment of the outer display on each end of the Unity Monitor Arm™ allows these displays to remain within the operator's optimal field of vision.
- Lift/Lower: The entire Unity Monitor Arm™ can be raised or lowered independent of the sit/stand worksurface mechanism. Movement is electrically actuated.

4.0 Worksurfaces

The rigid Response worksurface is designed to provide a smooth, level work area, while complying with accepted human factor criteria. All ergonomic standards have been taken into consideration, including view/reach distances, keyboard height, and knee well space. The adjustable worksurface option provides further flexibility allowing for customized height positioning (continuously variably within a 5 in range).

- Materials 1 in (25.5mm) Particle Board
- Finish High-pressure plastic laminate surface veneer

³ Can fit one swing out shelf in side bays of console and 2 in middle bay without the personal environmental system.

⁴ Rackmount available for the full depth bays of the Response console, only if the Personal Environmental System is not occupying that bay.

- Static Load 50 lb./ linear ft. (MAXIMUM 250 lb. (90 Kg) per surface on Adjustable Worksurfaces)

Optional Fire Rated Components

Fire-Rated Laminate is recommended for interior application where fire codes specify or the environment suggests a fire-resistant and smoke-resistant surface. It can offer a Class I or A fire rating, provided fire-retardant adhesives and substrates are used.

- Worksurface (With Fire Rated Materials)
- Nosing: PVC Extrusion
- End Caps: Painted MDF
- Pencil Stop: PVC Extrusion
- Laminate: Fire Rated Plastic
- Core: Particleboard (Duraflake FR Board (3/4" or Greater)
- Adhesive: Penacolite G-1149-A/G-1131-B
- Flame Spread: 5 (ASTM) – Applies to Core, Laminate & Adhesive assembly only

5.0 Panels

- End panels 1 in (25 mm) core with painted surface, HPL, LPL, & Veneer
- Front corner panels ¾ in (19 mm) and 1 in (25 mm) core with painted surface, HPL, LPL, & Veneer
- Back corner panels ¾ in (19 mm) and 1 in (25 mm) core with painted surface, polymer, HPL, LPL, & Veneer
- Vertical & top panels Structural polymer, Sheet metal

6.0 Rounded Polyurethane Worksurface Nosing

Evans has developed an extremely durable, highly flexible nosing that allows inside and outside curves.

- Cast polyurethane foam secured over an aluminum extrusion carrier.
- Comfortable and ergonomically sound
- Allows curved sections with a 14 in radius
- Edge slope and radius spreads the weight over a larger surface. Enhancing end user comfort.

7.0 Tasklighting

- UL approved
- Long life (over 5000 hours of operation can be expected)
- Shock and vibration resistant
- Even illumination of a broad workspace
- 100 milliamps @12 V

8.0 Optional Personal Environmental System⁵

Ventilation Unit provides personal control over user environments, including circulated air, leg and foot warming, background noise, and lighting adjustment. This provides the user with the following benefits:

- Air flow in the breathing zone to enhance user comfort
- Filtering system to remove airborne contaminants around desktop area.
- Worksurface control panel for ease of operation
- Occupancy sensing turns the unit off when the workstation is unoccupied
- Optional lower level radiant heat panel.

9.0 Custom Options

The following are just some of the many options available to increase the functionality of your console solution. For more information and to determine your actual console requirements, please contact the Evans Solutions Team.

- FD side bays
- Rackmount equipment (24" width)
- Under counter keyboard and pencil drawers
- Door mounted processor shelves
- Fixed processor shelves
- Slide out processor shelves(24" full-depth bays only)
- 19 in Rackmount rails'
- height adjustable monitor shelves
- Johnson Control
- Slatwall

⁵ Forced air ventilation units are not supported in the design. Circulated air only.