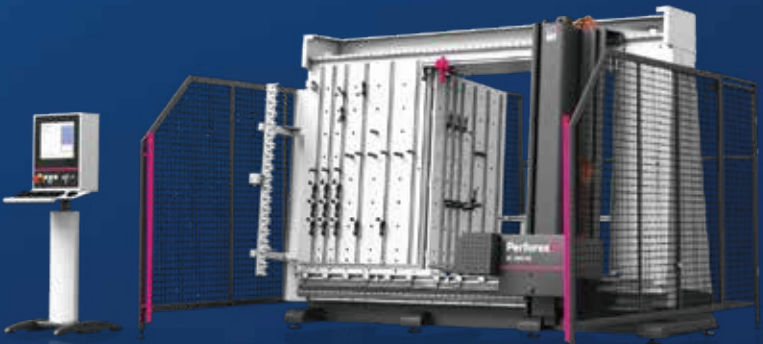**ELECTRO-MATIC**
a SunSource Company

Customized to Work for You

Electro-Matic provides value-added configured, modified and connectivity products, services and solutions for automation control applications.

Our innovative technical abilities and experience allow us to provide you with a Siemens operator interface built into a Rittal enclosure and a pendant arm if needed, that is ready to install on your machine. Our application engineers will work with you to provide a solution with one part number that meets your automation and control system needs.

HMI Panels
Our operator interface HMI Panels are easy to use, can be used with 3rd party connectivity, offer quality and reliability, and unmatched value and performance.

HMI Software
Our SIMATIC HMI Software covers the whole range of engineering and visualization software for the Human Machine Interface.

HMI Panel Special Requirements
Electro-Matic offers HMI panel operator interfaces with optional stainless steel fronts for the food and beverage industry, and are water-tight against water-jetting (optional) protected devices with a rugged aluminum casing, and offer high IP protection class for or in hazardous areas.

Supporting your Customization Needs Across North America

Electro-Matic has the technology to modify your enclosures to meet your specific needs with our state of the art milling, drilling, and tapping machine that can handle the most detailed modifications. Electro-Matic's value-add enclosure modification services will increase the quality and overall throughput of your control panel assembly process.

GRAND RAPIDS
DETROIT
CLEVELAND
APPLIED CONTROLS
PHILADELPHIA
MEMPHIS
MISSION CONTROLS + AUTOMATION
SAN ANTONIO
JACKSONVILLE
TAMPA ORLANDO
MIAMI

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DETROIT MICHIGAN **248-478-1182** 23409 Industrial Park Ct. Farmington Hills, MI	**GRAND RAPIDS** MICHIGAN **248-478-1182** 3353 Lousma Dr SE Grand Rapids, MI	**CLEVELAND** OHIO **248-478-1182** 6750 Arnold Miller Pkwy Solon, OH	**MEMPHIS** TENNESSEE **248-478-1182** 1900 Thomas Rd Memphis, TN
JACKSONVILLE FLORIDA **813-774-5935** 5636 West 5th St Jacksonville, FL	**MIAMI** FLORIDA **813-774-5935** 11210 NW 91st St, Ste 10 Miami, FL	**ORLANDO** FLORIDA **813-774-5935** 7001 McCoy Rd, Ste 100 Orlando, FL	**TAMPA** FLORIDA **813-774-5935** 5022 Joanne Kearney Blvd Tampa, FL

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HMI SOLUTIONS

INDUSTRIAL CONTROL PANELS • INDUSTRIAL ENCLOSURES • SUPPORT ARM SYSTEMS

Siemens Unified Comfort Panels

SIEMENS

SIMATIC HMI Unified Comfort Panels with their capacitive multi-touch displays (in sizes 7 to 21.5 inches) offer you all the freedom and possibilities you need to implement your innovative operating concepts. The panels are particularly powerful, allow the installation of apps, and simplify scaling thanks to vector-based visualization.

Uniform Functionality from 7 to 21.5 inches

• All devices come with the same number of hardware interfaces and the same functionality – just select the perfect device for your needs based on the screen size.
• Every Unified Comfort Panel is available in two design versions:

1 **Standard Design:** With Siemens and SIMATIC HMI branding, and a silver-colored aluminum frame.

2 **Neutral Design:** No branding, and a black-colored aluminum frame.

What makes the Unified Comfort Panels so Special?

Siemens Industrial Edge-enabled
The new SIMATIC HMI Unified Comfort Panels are Edge-enabled. This opens up completely new possibilities, such as functional expansion by using apps and the processing and analysis of data directly at the machine.

Wide Range Of Applications
Diverse mounting types, certifications and device variants enable use even in special environmental conditions.

Web Client For Remote Operation
The maintenance-free web client provides flexible remote access to the visualization, independent from the on-site operation at the device. It can be accessed via web browser without additional software.

SIZE	PART NO.	MODEL NO.	DIMENSIONS (W x H x D) INCHES			DIMENSIONS (W x H x D) MILLIMETERS			CUTOUT DIMENSIONS (W x H) INCHES		CUTOUT DIMENSIONS (W x H) MILLIMETERS	
7"	6AV2128-3GB06-0AX1	MTP700	8.42	6.22	2.52	214	158	64	7.76	5.55	197	141
10"	6AV2128-3KB06-0AX1	MTP1000	11.02	8.07	2.52	280	205	64	10.39	7.44	264	189
12"	6AV2128-3MB06-0AX1	MTP1200	12.83	6.22	2.52	326	237	64	12.20	9.33	310	141
15"	6AV2128-3QB06-0AX1	MTP1500	15.67	10.12	2.87	398	257	73	15.03	9.49	382	241
19"	6AV2128-3UB06-0AX1	MTP1900	18.27	11.58	2.87	464	294	73	17.64	10.94	448	278
22"	6AV2128-3XB06-0AX1	MTO2200	20.83	13.03	2.87	529	331	73	20.20	12.40	513	315

Ready to modernize your user interface?
Make your HMI a flagship that represents the overall quality of your machine or solution. Get the information to start your journey with WinCC Unified, to optimize your project as well as recommendations in order to switc to WinCC Unified.

LEARN MORE AT ELECTRO-MATIC.COM

Rittal Command Panel Enclosures

RITTAL

The Rittal Command Panel enclosure system offers a uniform, modern design adapted to work seamlessly with the support arm CP 60/120/180 systems.

Convenience in Perfection
• Integrated interior installation bracket with TS system mounting, patterns to match TS system accessories.
• Fast, reliable, and simple servicing access from the front or rear.
• Secure components with integrated door latches for easy locking.

Built-In Value
• Support arm connection for one-man operation.
• Support arm connections are pre-formed off-center in the reinforcement plate and easily drilled out.

Ergonomic Design
• Standard low-profile handles.
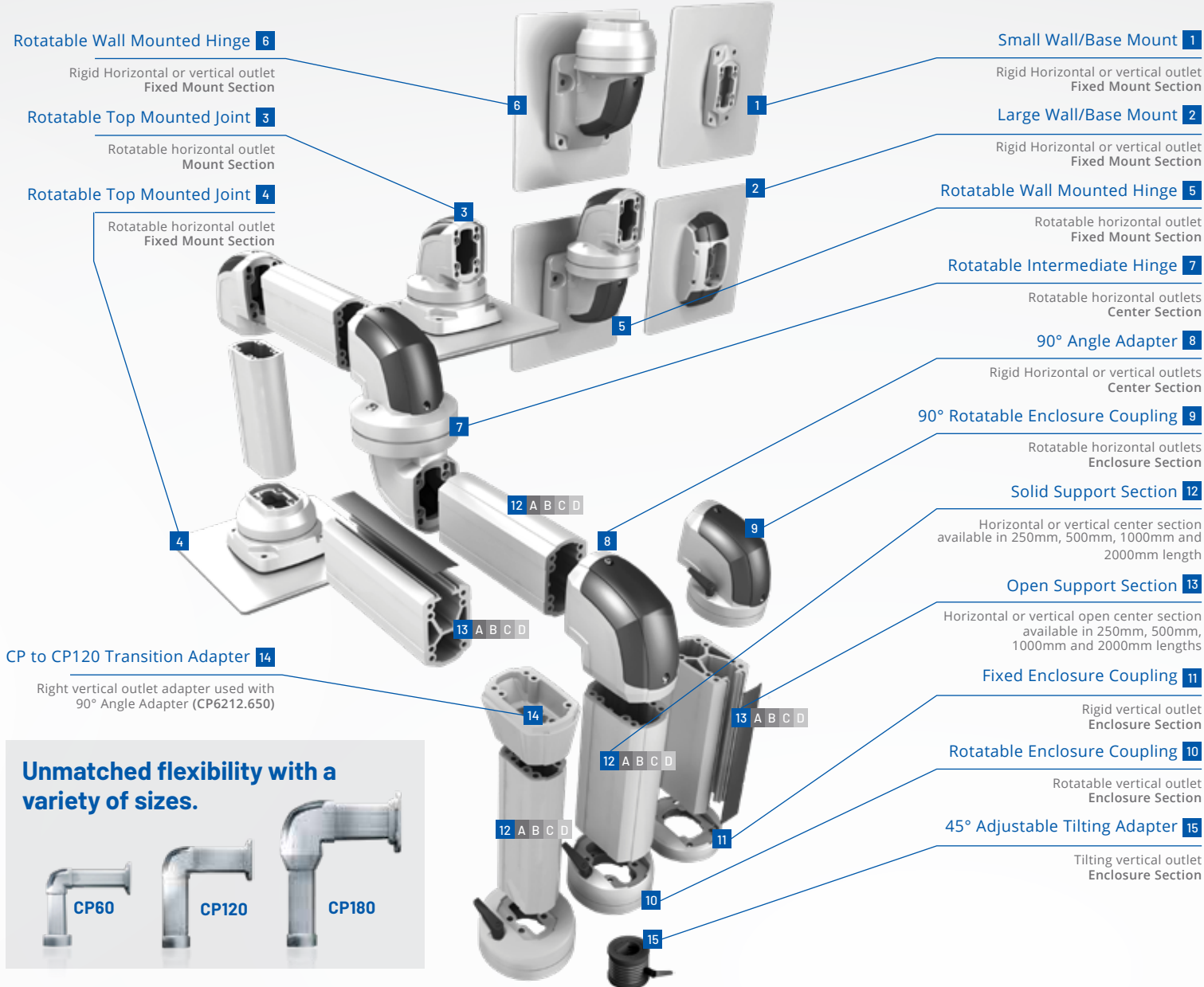• Aluminum front panel that can be easily removed for custom machining.

Uniform System in Design and Function

Rear Access Panel   Front Access Panel

	RITTAL PART NO.	OUTER DIMENSIONS (W x H x D) INCHES			OUTER DIMENSIONS (W x H x D) MILLIMETERS			OUTER DIMENSIONS W/HANDLES (W x H x D) INCHES			OUTER DIMENSIONS W/HANDLES (W x H x D) MILLIMETERS			FACEPLATE DIMENSIONS (W x H) INCHES		FACEPLATE DIMENSIONS (W x H) MILLIMETERS	
FRONT ACCESS PANELS	6315.150	11.8	11.8	8.5	380	300	216	13.7	11.85	9.29	348	301	236	8.31	9.65	211	245
	6315.250	14.97	11.8	8.5	380	300	216	16.85	11.85	9.29	428	301	236	11.46	9.65	291	245
	6315.350	14.97	14.97	8.5	380	380	216	16.85	15	9.29	428	381	236	11.46	12.8	291	325
	6315.450	19.67	19.67	8.5	500	500	216	21.57	19.72	9.29	548	501	236	16.18	17.72	411	445
	6315.650	23.62	14.96	8.56	6003	380	216	21.77	15.28	9.53	653	386	242	21.429	12.99	544	330
REAR ACCESS PANELS	6320.050	11.8	7.87	6.3	300	200	160	13.9	8.11	7.36	353	206	187	9.61	5.91	244	150
	6320.350	14.97	14.97	8.5	380	380	216	17.05	15.2	9.53	433	386	242	12.76	12.99	324	330
	6320.450	19.67	19.67	8.5	500	500	216	21.77	19.92	9.53	553	506	242	17.48	17.72	444	450
	6320.550	23.62	14.96	8.5	600	380	216	25.71	15.2	9.53	653	386	242	21.42	12.99	544	330
	6320.650	9.53	23.62	9.53	600	600	216	9.53	28.86	9.53	653	606	216	21.42	21.65	544	550

Rittal Support Arm System

RITTAL

Rittal's support arm system offers simple one-man assembly with the component flexibility to support all load classes from 130 to 400 pounds. Universally adaptable components with a wide variety of configuration options ensures your wall, machine, or pedestal-mount systems are perfectly suited for your application.

Rotatable Wall Mounted Hinge 6
Rigid Horizontal or vertical outlet
Fixed Mount Section

Rotatable Top Mounted Joint 3
Rotatable horizontal outlet
Mount Section

Rotatable Top Mounted Joint 4
Rotatable horizontal outlet
Fixed Mount Section

Small Wall/Base Mount 1
Rigid Horizontal or vertical outlet
Fixed Mount Section

Large Wall/Base Mount 2
Rigid Horizontal or vertical outlet
Fixed Mount Section

Rotatable Wall Mounted Hinge 5
Rotatable horizontal outlet
Fixed Mount Section

Rotatable Intermediate Hinge 7
Rotatable horizontal outlets
Center Section

90° Angle Adapter 8
Rigid Horizontal or vertical outlets
Center Section

90° Rotatable Enclosure Coupling 9
Rotatable horizontal outlets
Enclosure Section

Solid Support Section 12
Horizontal or vertical center section available in 250mm, 500mm, 1000mm and 2000mm length

Open Support Section 13
Horizontal or vertical open center section available in 250mm, 500mm, 1000mm and 2000mm lengths

Fixed Enclosure Coupling 11
Rigid vertical outlet
Enclosure Section

Rotatable Enclosure Coupling 10
Rotatable vertical outlet
Enclosure Section

45° Adjustable Tilting Adapter 15
Tilting vertical outlet
Enclosure Section

CP to CP120 Transition Adapter 14
Right vertical outlet adapter used with 90° Angle Adapter (CP6212.650)

Unmatched flexibility with a variety of sizes.

CP60   CP120   CP180

	RITTAL PART NO.	DESCRIPTION
1	CP6212.820	Small CP120 Wall/Base Mount
2	CP6212.800	Large CP120 Wall/Base Mount
3	CP6212.700	Rotatable Top Mounted Joint
4	CP6212.720	Rotatable Top Mounted Joint
5	CP6212.740	Rotatable Wall Mounted Hinge
6	CP6212.760	Rotatable Wall Mounted Hinge
7	CP6212.620	Rotatable Intermediate Hinge

	RITTAL PART NO.	DESCRIPTION
8	CP6212.600	Small CP120 Wall/Base Mount
9	CP6212.380	Large CP120 Wall/Base Mount
10	CP6212.300	Rotatable Top Mounted Joint
11	CP6212.320	Rotatable Top Mounted Joint
12A	CP6212.025	Rotatable Wall Mounted Hinge
12B	CP6212.050	Rotatable Wall Mounted Hinge
12C	CP6212.100	Rotatable Intermediate Hinge

	RITTAL PART NO.	DESCRIPTION
12D	CP6212.200	2000mm Solid Support Section
13A	CP6212.150	500mm Open Support Section
13B	CP6212.110	1000mm Open Support Section
13C	CP6212.210	2000mm Open Support Section
14	CP6212.640	CP120 to CP20 Transition Adapter
15	CP6212.300	45° Adjustable Tilting Adapter
16	CP6212.320	10° Fixed Tilt Adapter
17	CP6106.200	Pedestal Base (for both CP60 & CP120)