Armor CompactLogix 5370 and Armor Compact GuardLogix 5370 Controllers

On-Machine™ standard and safety control moves to the small control space.

The Armor™ CompactLogix™ and Armor™ Compact GuardLogix® controllers deliver standard, safety and motion control for On-Machine™ applications. Customers can obtain SIL 3, PL(e), CAT 4 safety control in the Armor Compact GuardLogix version and standard control in the Armor CompactLogix version, both with the flexibility and scalability of being installed directly on the machine and both help with protection against dust and water ingress in harsher environments.

Both controllers use the same configuration, networking and visualization environment as our large-scale ControlLogix®-based systems, Studio 5000® environments. They provide scalable integrated safety, standard and motion options for a wider range of machines, providing a total solution for machine builders.

Features and Benefits

Enhanced performance and troubleshooting

- Minimizes hardware in the control cabinet
- Provide readily available diagnostics/system status without having to open the control cabinet or visit the control room
- Up to 16 axes of Integrated Motion over EtherNet/IP™
- Dual Ethernet ports for Linear and Device Level Ring topologies
- Embedded storage module helps eliminate the need for a battery
- Removable 1-GB SD card improves data integrity

Safe, secure and ease-of-use

- Quick-connect cabling streamlines system wiring
- Safety status indicators provide on-going safety status about the system
- Safety rated to SIL 3, PLe, CAT 4, 1oo2 hardware structure
- Integrated Safety and Integrated Motion on EtherNet/IP

LISTEN.
THINK.
SOLVE.

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Rockwell
Automation

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A·B QUALITY *Allen-Bradley*

The Armor Compact versions offer the flexibility of standard and safety control with the full benefits of the Logix control system right on the machine.

Productive

- Supports Integrated Motion over EtherNet/IP
- Embedded energy storage module helps eliminate the need for a battery
- Faster design time using certified safety instructions and reusing code
- Removable SD card provides easy, portable transfer of machine programs without software download
- Embedded Ethernet ports support Linear and Device Level Ring topologies
- Removable 1-GB SD card improves data integrity

Safe

- Safety status indicators provide on-going safety status
- Integrated safety control up SIL 3, PLe, CAT 4, 1oo2 hardware structure
- Standard, safety and motion in a single programming environment

Secure

- Easy access to the controller mode switch, USB port, SD card and power supply fuse via 4 captive screws
- Rated for Ingress Protection (IP67) and UL Type 4X applications and environments

Enabling the Connected Enterprise

Bringing people, processes and technology together.

It's about reshaping the future through leverage and convergence.

The Connected Enterprise leverages technology to better gather, analyze data and transform it into actionable, real-time information. Convergence of information technology (IT) and operations technology (OT) into a single, unified architecture capitalizes on operational, business and transactional data for improved enterprise, operations and supply chain performance.

- **Improve Productivity with better asset utilization and system performance**
- **Promote Globalization with easy access to actionable, plant-wide information**
- **Support Sustainability with extended product lifecycles and better asset utilization**
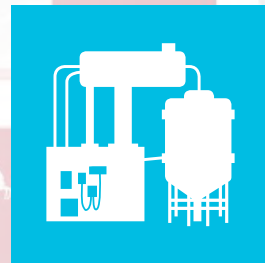- **Cultivate Innovation with increased system flexibility and technical risk mitigation**

Faster time to market
Design productivity, faster commissioning times with intelligent devices, quicker startup of Greenfields, proven technology around risk mitigation for operations and IT, and the agility to respond to customer trends more quickly.

Lower total cost of ownership
Better life-cycle management, enabling more effective operations, improved energy management, and easier technology migration.

Improved asset utilization and optimization
Improved reliability and quality, and predictive maintenance driven by operational intelligence tools.

Enterprise risk management
Protection of intellectual property and brand image with a secure operating environment and reduced exposure due to poor product quality and internal and external threats.

The result of converging and leveraging The Connected Enterprise, IoT and the Integrated Architecture® technologies

A Connected Enterprise where seamless collaboration and integration enable you to use the power of real-time data to make better and more profitable business decisions. Enhanced performance, optimized operations and increased profitability throughout your entire enterprise provides you with the ability to meet the growing automation demands of customers around the world.

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Catalog Number	Controller Type	Safety Memory	Standard Memory	Ethernet Nodes
1769-L37ERMO	Standard	—	3 MB	64
1769-L37ERMOS	Safety	1.5 MB	3 MB	64
1769-L36ERMO	Standard	—	3 MB	48
1769-L36ERMOS	Safety	1.5 MB	3 MB	48
1769-L33ERMO	Standard	—	2 MB	32
1769-L33ERMOS	Safety	1 MB	2 MB	32

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