

Modular Control Solutions Model S9000/LC621/622/624/635

Parts

Instructions

- Consult the factory for lead times
- Part Numbers that have a C suffix are compliant with CE Mark

| | |
|---------------------|--------------------|
| Model Number | Description |
|---------------------|--------------------|

UPGRADE KITS

| | |
|-------------|---|
| 220-0002 | 620-0043 Upgrade Kit (version 1.x) |
| 220-0012 | 620-0038 Upgrade Kit (version 1.x) |
| 220-0048-3 | 620-0048 Upgrade Kit (version 3.x) |
| 220-0052-2 | 620-0052 Upgrade Kit (version 3.x) |
| 220-0059-2 | 620-0059 Upgrade Kit (version 2.x) |
| 220-0073-1 | 620-0073 Ethernet LPM Upgrade Kit |
| 220-0076-3 | 620-0076 DMCS LPM Upgrade Kit 100 |
| 220-0080-3 | 620-0080 Upgrade Kit (version 3.x) |
| 220-0081-2 | 620-0081 Upgrade Kit (version 2.x) |
| 220-0089-1 | 620-0089 Upgrade Kit (version 1.x) |
| 220-1200-3 | 620-1200 Upgrade Kit (version 3.x) |
| 220-1633-3 | 620-1633 Upgrade Kit (version 3.x) |
| 220-3632-3 | 620-3632 Upgrade Kit (version 3.x) |
| 221-0020-1 | 621-0020 Upgrade Kit (version 1.x) |
| 221-0025-1 | 621-0025 Upgrade Kit (version 1.x) |
| 221-9938R-3 | 621-9938R Upgrade Kit (version 3.x) |
| 221-9939-2 | 621-9939 Upgrade Kit (version 2.x) |
| 221-9940-3 | 621-9940 Upgrade Kit (version 3.x) |
| 223-6010-4 | 623-6000 & 623-6010/20 Loader Upgrade Kit |
| 227-0002 | 627-1002RC/627-1003RC Minicop Upgrade Kit |

PROCESSOR MODULES

| | |
|-----------|--|
| 620-0024 | 24K Memory Module |
| 620-0027 | 8K Memory Module |
| 620-0053 | I/O Expander Module |
| 620-0054 | 620-35 System Control Module |
| 620-0056 | Register Module -- 4K x 4K |
| 620-0059 | Redundancy Control Module |
| 620-0080 | 620-35 Processor Module |
| 620-0085 | 2048 I/O Control Module |
| 620-0088 | Parallel Link Drive Module |
| 620-1200C | 620-12 Processor, 2K Memory, 256 I/O |
| 620-1537 | 620-15 Processor, 4K Memory, 512 I/O |
| 620-1633C | 620-16 Processor, 8K Memory, 1024 I/O |
| 620-3632C | 620-36 Processor, 32K Memory, 2040 I/O |

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POWER SUPPLIES

| | |
|-----------|--|
| 620-0036 | Processor Power Supply - 115/230Vac, 15amp, LC635 |
| 620-0041C | Processor Power Supply - 115/230Vac, 8amp, LC622/LC624 |
| 620-0046C | Processor Power Supply - 24Vdc, 8amp, LC622/LC624 |
| 620-0047 | Processor Power Supply - 24Vdc, 15amp, LC635 |
| 620-0083C | Processor Power Supply - 115/230Vac, 8amp, LC622/LC624 |
| 621-9932C | I/O Rack Power Supply - 24Vdc, 8amp |
| 621-9933C | I/O Rack Power Supply - 115/230Vac, 15amp |
| 621-9934C | I/O Rack Power Supply - 115/230Vac, 8amp |

RACKS

| | |
|-----------|--|
| 620-1690C | 11/12/14/16/36 Processor Rack 19 in. |
| 620-3590 | 620-35 Processor Rack |
| 620-3591 | Logic Manager Rack |
| 620-3691C | 11/12/14/16/36 Augmented Rack, 4 option slots, 19 in |
| 621-9990C | I/O Rack |

COMMUNICATIONS INTERFACE MODULES

| | |
|-----------|--|
| 620-0038C | Control Network Module |
| 620-0043C | Communications Interface Module (Modbus-RTU) |
| 620-0048 | Data Collection Module (one port-RS232 & 422/485) |
| 620-0052C | Data Collection Module (two port-RS232 & 422/485) |
| 620-0071 | Logic Manager Module |
| 620-0072 | Loop Processor Module |
| 620-0073C | Ethernet Loop Processor Module (uses 2 option slots) |
| 620-0076C | DMCS Loop Processor Module (R100) |
| 620-0081 | Highway Interface Module |
| 620-0089C | Ethernet Interface Module (uses 2 option slots) |

I/O COMPONENTS

| | |
|------------|---|
| 621-9900 | Blank I/O Coverplate |
| 621-9928R | 621 Serial Link Selector Module |
| 621-9929 | 621 Parallel Bus Selector Module |
| 621-9937C | Parallel I/O Module |
| 621-9938RC | Redundant Serial I/O Module |
| 621-9939C | Serial Link Module |
| 621-9940C | Serial I/O Module |
| 621-9949 | I/O Terminal Block Set, 8-Pt. |
| 621-9950 | I/O Terminal Block Set, 16-Pt. |
| 621-9953 | I/O Terminal Block Set, for 621-0018R, 621-0020R |
| 621-9954 | I/O Terminal Block Set, for 621-0022-VR, 621-0022-AR |
| 621-9976 | I/O Terminal Block Set, 32-Pt. with LEDs (24Vdc only) |
| 621-9977 | I/O Terminal Block Set, 32-Pt. without LEDs |

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I/O MODULES - INPUTS

| | |
|--------------|---|
| 621-0006R | BCD Converter Module |
| 621-0012RC | ASCII Communications Module |
| 621-0019R | Pulse/Quadrature Input Module |
| 621-0020RC | Universal Analog Input Module, 16 point |
| 621-0021RC | Enhanced Diagnostics Module |
| 621-0022-ARC | Isolated Analog Input Module, 8 point., Calibrated for 4-20ma |
| 621-0022-VRC | Isolated Analog Input Module, 8-point., Calibrated for 0-10v |
| 621-0024RC | Pulse Input Module, 4 point |
| 621-0025RC | RTD Input Module, 8 point |
| 621-0307RC | High Speed Counter |
| 621-1100RC | 115Vac/dc Input, 8 point |
| 621-1101RC | 115Vac/dc Isolated Input, 6 point |
| 621-1160R | 115Vac Input, 16 point |
| 621-1180RC | 115Vac Input, 32 point |
| 621-1200RC | 230Vac/dc Input, 8 point |
| 621-1201RC | 230Vac/dc Isolated Input, 6 point |
| 621-1250RC | 240Vac Input, 16 point |
| 621-1251R | 240Vac Isolated Input, 16-Pt. |
| 621-1500RC | 24Vac/dc Input, 8 point |
| 621-1550RC | 24Vac/dc Input, 16 point |
| 621-3450R | 12 Vdc Sink Input, 16 point |
| 621-3500RC | 12-24Vdc Sink Input, 8 point |
| 621-3502RC | 12-24Vdc Sink Fast Response Input, 8 point |
| 621-3552RC | 24Vdc Sink Fast Response Input, 16 point |
| 621-3560RC | 24Vdc Input, 16 point |
| 621-3580RC | 24Vdc Input, 32 point |
| 621-3660RC | 48Vdc Sink Input, 16 point |
| 621-4350R | 5VTTL Input, 16 point |
| 621-4500RC | 12-24Vdc Source Input, 8 point |
| 621-4550RC | 24Vdc Source Input, 16 point |

I/O MODULES -OUTPUTS

| | |
|--------------|---|
| 621-0007RC | Reed Relay Output, 6 point |
| 621-0010-ARC | Analog Output Module, 4 point., Calibrated for 4-20ma |
| 621-0010-VRC | Analog Output Module, 4 point., Calibrated for 0-10v |
| 621-2100RC | 115Vac Output, 8 point |
| 621-2101RC | 115Vac Isolated Output, 6 point |
| 621-2150RC | 115Vac Output, 16 point, (3 amp slo-blo fused) |
| 621-2175RC | 115Vac Output, 32 point |
| 621-2200RC | 230Vac Output, 8 point |
| 621-2201RC | 230Vac Isolated Output, 6 point |
| 621-2500RC | 24Vac Output, 8 point |
| 621-2550R | 24Vac Output, 16 point |
| 621-6350R | 5V TTL Output, 16 point |
| 621-6500RC | 12-24Vdc Source Output, 8 point |
| 621-6503R | 24Vdc Source Output, Self-Protected, 8 point |
| 621-6550RC | 24Vdc Source Output, 16 point |
| 621-6575RC | 24Vdc Source Output, 32 point |
| 621-6576RC | 24Vdc Source Output, 32 point |
| 621-6650RC | 48Vdc Source Output, 16 point |
| 621-6701R | 120Vdc, 2A, Source Output, 8 point |

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Description

MS-DOS LOADER

| | |
|----------|---|
| 623-0020 | 621-0020R Configuration Utility |
| 623-0025 | 621-0025R Configuration Utility |
| 623-6010 | MS-DOS Loader Package w/Interface board |
| 623-6020 | MS-DOS Loader Package w/Ext. Converter |

MINICOP

| | |
|------------|--|
| 627-1002RC | MiniCOP Module - 3 Ports (uses 2 I/O slots) |
| 627-1003R | MiniCOP Module with Video - 4 Ports (uses 3 I/O slots) |

I/O CABLES

| | |
|----------|---|
| 628-2000 | Parallel I/O Cable-9 inch (20cm) |
| 628-2001 | Parallel I/O Cable-14 inch (35 cm) |
| 628-2002 | Parallel I/O Cable-48 inch (120 cm) |
| 628-2003 | Parallel I/O Cable-72 inch (180 cm) |
| 628-2004 | Parallel I/O Cable-120 inch (300 cm) |
| 628-2010 | Parallel I/O Cable-13 feet (4 m) |
| 628-2012 | Parallel I/O Cable-19 feet (6 m) |
| 628-2016 | Parallel I/O Cable-32 feet (10 m) |
| 628-2019 | Parallel I/O Cable-52 feet (16 m) |
| 628-2022 | Parallel I/O Cable-72 feet (22 m) |
| 628-2026 | Parallel I/O Cable-98 feet (30 m) |
| 628-3000 | MS-DOS Loader Ext. Converter Cable to Processor |
| 628-5000 | Redundancy Control Module Data Cable |

CABLES/LOADER SPARES

| | |
|----------|---|
| 628-6020 | PC/PLC Converter Communication Cable |
| 628-6021 | PC/PLC Converter Power Cable |
| 628-6023 | PS/2 to RS432/422 Converter Power Cable |
| 628-7000 | 20' Ethernet Cable |

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| S9000 PARTS | | |
| 9000-200 | R200.3 Configuration Only Software | |
| 9003-003 | Color Operator Panel | |
| 9003-006 | Passive Color Flat Panel Operator Panel | |
| 9010-012C | 9000e Logic Processor | |
| 9010-016C | 9100e Logic Processor | |
| 9010-036C | 9200e Logic Processor | |
| 628-3034 | Operator Panel to LPM Cable | |

DOCUMENTATION

| | | |
|----------|---|--|
| SCAN-710 | Release notes, Installation & Tour Guide (R160) | |
| SCAN-711 | S9000 Controller Configuration (R160) | |
| SCAN-712 | Relay Ladder Logic Operation (R160) | |
| SCAN-713 | Operator Panel Operation (R160) | |
| SCAN-714 | 620 LC & S9000 Reference (R160) | |
| MAS-8990 | 620LC & S9000 Reference (R100/R150/R160) | |
| MAS-8991 | 620 Logic Controller (R100/R150/R160) | |
| MAS-8992 | S9000 Controller (R100/R150) | |

MISCELLANEOUS

| | | |
|----------|----------------------------------|---|
| 629-1000 | Fuse Pack for 627-70 or 624-30 | 621-9934, 627-7034/7037 |
| 629-1002 | Fuse 1A 250V 20mm (pack of 5) | 620-0036, 623-5195/5196 |
| 629-1003 | Fuse 2A 250V 20mm (pack of 5) | 620-0083, 621-9933 |
| 629-1007 | Fuse 8A 250V (pack of 5) | 621-9932, 620-0046, 621-6500R, 621-6600R, 621-6701R |
| 629-1008 | Fuse 10A 250V (pack of 5) | 621-6575R |
| 629-1009 | Fuse 0.8A 230V (pack of 5) | 620-0041, 621-9934, 621-6300R |
| 629-1010 | Fuse 1.25A 230V 20mm (pack of 5) | 621-9931, 621-2160R |
| 629-1011 | Fuse 0.63A 230V 20mm (pkg. 5) | 621-9931, 621-9997 |
| 629-1012 | Fuse 3A 125V (pkg. 5) | 621-9929, 2150R, 2550R, 6551R, 2102R, 6501R, 6502R, 6700R, 2200R, 2500R, 2550R, 6503R, & 6700R |
| 629-1014 | Fuse 0.4A SB 250V (pkg. 5) | 621-9994, 623-3095/3096 |
| 629-1015 | Fuse 0.2A SB 250V (pkg. 5) | 623-3095, 623-3096 |
| 629-1016 | Fuse 7A Fast flo (pkg of 5) | 621-6450R, 6550R, 6650R, 0018R, 6502R, 6552R, 6560R, & 6503R |
| 629-1017 | Fuse 4A SB 125V 20mm (pkg. 5) | 621-9933, 620-0083 |
| 629-1018 | Fuse 1.6A SB 250V 20mm (pkg. 5) | 621-9934, 620-0041 |
| 629-1019 | Fuse 6.3A SB 125V 20mm (pkg. 5) | 620-0047 |

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| 629-1020 | Fuse 5A FB Submin. 125V (pkg. 5) | 620-0059, 0071, 0072, 0073, 0081, 0089 |
| | | 621-0012R, 0014R, 0016R, 0018R, 0019R, 0025R, 0096, 2160R, 6503R, 6560R, 9930, 9937, 9938R, 9940, 2175R |
| | | 622-1040, 1041, & 1042 |
| 629-1022 | Fuse 3A slo-blo (Pack of 5) | 621-2102R, 621-2100R, 621-2150R |
| 629-1023 | Fuse 3A slo-blo (Pack of 5) | 621-2101R |
| 629-2002 | 620 Processor Key | 620-06/10/15/20/25/30/35 |
| 629-2006 | 620 Processor Key | 620-11/14/1631 |
| 629-3000 | Size C Lithium Battery | 9010-012C, 9010-016C, 9010-036C, 620-11/12/14/16/36 |
| | | 620-0036, 620-0047, 620-20/30/25/35 |
| 629-3001 | Size D Lithium Battery | 620-0073, & 0089, 627-1002R/1003R, 9010-015, 620-06/10/15 |
| 629-3002 | Size AA Lithium Battery | 621-0012 |
| 629-3003 | Size 1/2 AA Lithium Battery | 620-0071, 0072, 0073, 0076, & 0089, 621-0016R & 9010-015 |
| 629-3004 | Size 2/3 A Lithium Battery | |
| 629-4003 | Logic Manager Cover Plate | |
| 629-4004 | Blank Cover, 25/35 Option Slot | |
| 629-6012C | RS-485 Interface Board | MS-DOS Loader |
| 629-6019C | RS232/485 Ext. Converter | MS-DOS Loader |
| 629-7005 | Analog Input Resistor Kit (8) | |
| 629-9981 | 8-pt. Paper address labels 0-2047 | 621-9949/9950 terminal blocks |
| 629-9983 | 16-pt. Paper address labels 0-2047 | 621-9949/9950 terminal blocks |
| 629-9989 | 6-pt. Paper address labels 0-2047 | 621-9949/9950 terminal blocks |
| 629-9997 | 32-pt. Paper Address Labels (0-2047) | 621-9976 & 9977 terminal blocks |