

# MODULAR SYSTEMS

## Models LC622 and LC624

### Logic Controllers

# Model Selection Guide

## INSTRUCTIONS

- Select the desired key number.  
Model LC622 uses the two option slot processor rack 620-1690C. Model LC624 uses the four option slot 620-3691C.
- Select up to 8 I/O modules from Table I for model LC622. Select up to 6 I/O modules for model LC624. Terminal blocks are included with the I/O modules.
- A power supply uses slots I and J for model LC622. Slots G and H are used by the power supply for model LC624. A processor from Table IV uses slots M and N.
- Standard lead time for I/O in Table I is 4 weeks.
- A complete model number must have the designated number of digits in each table.
- The controllers can be ordered for 115 or 230 Vac, 50/60Hz. Select the required voltage from Table II.
- Selection X Table I *must* be ordered for each empty slot.

LC622 consists of:

620-1690C

MAS-8990

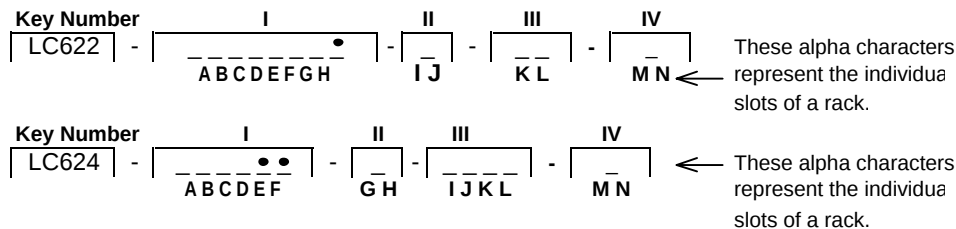
MAS8991

LC624 consists of:

620-3691C

MAS-8990

MAS8991

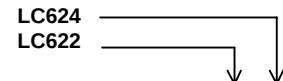


| KEY NUMBER       | Selection | Availability |
|------------------|-----------|--------------|
| Description      |           |              |
| Logic Controller | LC622     | ↓            |
| Logic Controller | LC624     | ↓            |

TABLE I

| Table I<br>Format                                                                                | Specify 6 or 8 modules<br>with the desired<br>modules |             |             |             |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------|-------------|-------------|
| 621-9900 blank I/O coverplate<br>None (empty I/O slot)<br>Special slot requires special handling |                                                       | X<br>Y<br>Z | •<br>•<br>• | •<br>•<br>• |
| 621-0020RC                                                                                       | Universal Analog Input, 16 point (Note 5)             | A           | •           | •           |
| 621-0022-ARC                                                                                     | Isolated analog input module, 8 point (Note 3)        | B           | •           | •           |
| 621-0010-ARC                                                                                     | Analog output module, 4 point (Note 3)                | C           | •           | •           |
| 621-0024RC                                                                                       | Pulse input module, 4 point                           | D           | •           | •           |
| 621-0025RC                                                                                       | RTD input module, 8 point                             | E           | •           | •           |
| 621-0007RC                                                                                       | Reed Relay Output, 6 point                            | F           | •           | •           |
| 621-0010-VRC                                                                                     | Analog output module, 4 point (Note 4)                | G           | •           | •           |
| 621-0022-VRC                                                                                     | Isolated analog input module, 8 point (Note 4)        | H           | •           | •           |
| 621-0021RC                                                                                       | Enhanced Diagnostics Module                           | J           | •           | •           |
| 621-1160R                                                                                        | 115 Vac input, 16 point                               | K           | •           | •           |
| 621-3560RC                                                                                       | 24 Vdc input, 16 point                                | L           | •           | •           |
| 621-2150RC                                                                                       | 115 Vac output, 16 point (3 amp slo-blo)              | M           | •           | •           |

Table I continued on the next page



**TABLE I (continued)**

|            |                                                  | Selection | 7 | 8 |
|------------|--------------------------------------------------|-----------|---|---|
| 621-6550RC | 24 Vdc source output, 16 point                   | N         | • | • |
| 621-2101RC | 115 Vac isolated output, 6 point (3 amp slo-blo) | P         | • | • |
| 621-1100RC | 115 Vac/dc input, 8 point                        | Q         | • | • |
| 621-1101RC | 115 Vac/dc isolated input, 6 point               | R         | • | • |
| 621-2100RC | 115 Vac output, 8 point                          | S         | • | • |
| 621-3580RC | 24 Vdc input, 32 point                           | T         | • | • |
| 627-1002RC | MiniCOP module - 256K RAM                        | U         | • | • |
| 621-6575RC | 24 Vdc source output, 32 point                   | V         | • | • |
| 621-9939C  | Serial link module                               | W         | • | • |

**TABLE II**

|           |                                        |   |   |   |
|-----------|----------------------------------------|---|---|---|
| 620-0041C | Processor power supply 115 Vac 8 amps  | A | • | • |
| 620-0046C | Processor power supply 24 Vdc 8 amps   | B | • | • |
| 620-0083C | Processor power supply 115 Vac 15 amps | C | • | • |
| 620-0041C | Processor power supply 230 Vac 8 amps  | D | • | • |
| 620-0083C | Processor power supply 230 Vac 15 amps | E | • | • |

**TABLE III**

|           |                                                          |   |   |   |
|-----------|----------------------------------------------------------|---|---|---|
| 621-9900  | Blank I/O cover plate                                    | X | • | • |
|           | None (empty I/O slot)                                    | Y | • | • |
| 620-0038C | Control network module                                   | A | • | • |
| 620-0043C | Communications interface module - Modbus (RTU)           | B | • | • |
| 620-0044  | Communications interface module - Honeywell DMCS         | C | • | • |
| 620-0048  | Data collection module - single port (RS232 and 422/485) | D | • | • |
| 620-0052C | Data collection module - dual port (RS232 and 422/485)   | E | • | • |
| 620-0081  | Data hiway interface module - TDC 2000                   | F | • | • |
| 620-0089C | Ethernet interface module - TCP/IP                       | G | • | • |

**TABLE IV**

|           |                                        |   |   |   |
|-----------|----------------------------------------|---|---|---|
| 620-1200C | 620-12 processor, 2K memory, 256 I/O   | A | • | • |
| 620-1633C | 620-16 processor, 8K memory, 1024 I/O  | B | • | • |
| 620-3632C | 620-36 processor, 32K memory, 2040 I/O | C | • | • |

NOTE 1: The 620-1200C Logic Controller does not support serial I/O. The 621-9939C can't be used with a 620-1200C Logic Controller.\*

NOTE 2: Additional I/O modules can be ordered by referring to the Parts section of the price pages.

NOTE 3: Factory calibrated for 4-20mA.

NOTE 4: Factory calibrated fro 0-10V.

NOTE 5: Requires 623-0020. No charge if ordered with the 621-0020RC.

NOTE 6: Parallel I/O cables are ordered as separate line items from the Parts price pages.

NOTE 7: Occupies two slots, must be preceded by a Y (empty slot).

\* Refer to Note 1 above for information concerning slot H of the LC622 and slots E and F of the LC624. Slot H of the LC622 and slots E and F of the LC624 do no support the 621-0012 RC, 627-1002RC, and the 627-1003R.