

| Model           | I/O     | Output Type | Pulse Output | RS485 | BD Board | Module |
|-----------------|---------|-------------|--------------|-------|----------|--------|
| LX3V-1212MT-A   | 12   12 | T           | 2            | 2     | 1        | √      |
| LX3V-1212MR-A   | 12   12 | R           | 0            | 2     | 1        | √      |
| LX3V-1212MR2H-A | 12   12 | R/T         | 2            | 2     | 1        | √      |
| LX3V-1212MT4H-A | 12   12 | T           | 4            | 2     | 1        | √      |
| LX3V-1412MT-A   | 14   12 | T           | 2            | 2     | 1        | √      |
| LX3V-1412MR-A   | 14   12 | R           | 0            | 2     | 1        | √      |
| LX3V-1412MR2H-A | 14   12 | R/T         | 2            | 2     | 1        | √      |
| LX3V-1412MT4H-A | 14   12 | T           | 4            | 2     | 1        | √      |
| LX3V-1212MT-D   | 12   12 | T           | 2            | 2     | 1        | √      |
| LX3V-1212MR-D   | 12   12 | R           | 0            | 2     | 1        | √      |
| LX3V-1212MR2H-D | 12   12 | R/T         | 2            | 2     | 1        | √      |
| LX3V-1212MT4H-D | 12   12 | T           | 4            | 2     | 1        | √      |
| LX3V-1412MT-D   | 14   12 | T           | 2            | 2     | 1        | √      |
| LX3V-1412MR-D   | 14   12 | R           | 0            | 2     | 1        | √      |
| LX3V-1412MR2H-D | 14   12 | R/T         | 2            | 2     | 1        | √      |
| LX3V-1412MT4H-D | 14   12 | T           | 4            | 2     | 1        | √      |



## GENERAL

| Item                    | LX3V Series                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Running Mode            | Round Scan/ Interrupt                                                                                                                             |
| Programming             | Instruction List/ Ladder                                                                                                                          |
| Total Instructions      | Basic Instructions: 27 / Applied Instruction: 138                                                                                                 |
| Execute time            | Basic Instructions: 0.06us / Applied Instruction: 1~10us                                                                                          |
| System Storage          | 16K                                                                                                                                               |
| Download/ Monitoring    | Serial Programming Cable / Mini USB                                                                                                               |
| High Speed Pulse Output | Transistor: 2 channels (4 channel optional) / Relay N/A (2 channel optional)                                                                      |
| External Interrupt      | 6 Channels                                                                                                                                        |
| Timer Interrupt         | 3 Channels                                                                                                                                        |
| Holding Addresses       | Adjustable                                                                                                                                        |
| Storage                 | FLASH                                                                                                                                             |
| Filter                  | For all X input terminals                                                                                                                         |
| Serial Port             | COM1: RS422 or RS485<br>COM2: RS485                                                                                                               |
| Temperature             | Working Temperature: 0 ~ 55C° / Storage Temperature: -20 ~ 70C°                                                                                   |
| Humidity                | 5~ 85%RH (Without condensation)                                                                                                                   |
| Shock Resistance        | JIS C 0040 Standard                                                                                                                               |
| Influence Immunity      | Meet the IEC61000-4-4 and GB/T 17626.4 standard:<br>Noise voltage amplitude 1KVP-P, pulse width 10us, period 0.3 s, edge time 5ns, duration 1min. |

## POWER SUPPLY

| Item              | AC                                     | DC                |
|-------------------|----------------------------------------|-------------------|
| Power Supply      | AC 85~265V 50 ~ 60Hz                   | DC 24V±10%        |
| Power Outage Time | 10ms                                   | 10ms              |
| Power Fuse        | 250V 3.15A                             | 250V 3.15A        |
| Rush Current      | <15A 5ms / AC 100V; <30A 5ms / AC 200V | <15A 1ms / DC 24V |
| Power Consumption | <35W                                   | <30W              |
| Power Output      | DC 24V 850mA                           | No                |

## OUTPUT

| Item               | Relay                             | Transistor                                                                                                                   |
|--------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Output Mode        | --                                | NPN                                                                                                                          |
| Input Power Supply | DC 24V                            | DC 24V                                                                                                                       |
| Output Circuit     | <AC 250V or <DC 30                | DC 5~30V                                                                                                                     |
| COM Port Current   | --                                | <0.1mA (DC 30V)                                                                                                              |
| Insulation         | Mechanistic                       | Optical Coupling                                                                                                             |
| Leak current       | --                                | 0.1mA / DC 30V                                                                                                               |
| Min. Load          | --                                | DC5V 2mA                                                                                                                     |
| Max. Load          | Resistive<br>Inductive<br>General | 2A point 8A COM port<br>80VA<br>100W<br>0.5A point 0.8A COM port 0.3A HSPO point<br>12W/DC24V 7.2W HSPO point<br>0.9W/DC 24V |
| Response Time      | <10ms                             | <0.2ms<br>(Pulse output terminal: <5us)                                                                                      |

