

# WECON PLC Programmable Controller

**Model:LX3V-1212MT**



## **Features:**

- ◇Power supply: AC85-265V power,D:DC24V power, 20W rated power output
- ◇IO:12xDI/12xDO( Transistor-type ),2-channel 100K high-speed pulse output
- ◇Port:RS422, RS485,1 BD board supported.
- ◇Protocol: 2N NO PROTOCOL, LX3V PROTOCOL

## **Specifications:**

### **General:**

|                                | <b>LX3V Series</b>                                                                |
|--------------------------------|-----------------------------------------------------------------------------------|
| <b>Running Mode</b>            | Round Scan/Interrupt                                                              |
| <b>Programming</b>             | Instruction List/Ladder                                                           |
| <b>Total Instructions</b>      | Basic Instructions: 27/Applied Instruction: 136+2                                 |
| <b>Execute Time</b>            | Basic Instructions: 0.06us /Applied Instruction: 1~10us                           |
| <b>System Storage</b>          | 16k                                                                               |
| <b>Download / Monitor</b>      | Serial Programming Cable/ Mini USB                                                |
| <b>High Speed Pulse Output</b> | Transistor Type: 2 Channels(4 channels optional) / Relay N/A(2 channels optional) |
| <b>External Interrupt</b>      | 6 Channels                                                                        |
| <b>Timer Interrupt</b>         | 3 Channels                                                                        |
| <b>Holding Addresses</b>       | Adjustable                                                                        |
| <b>Storage</b>                 | FLASH                                                                             |
| <b>Filter</b>                  | For all X input terminals                                                         |
| <b>Serial Port</b>             | COM1:RS422 or RS485<br>COM2:RS485                                                 |
| <b>Temperature</b>             | Operating Temperature: 0 ~ 55°C/Storage Temperature: 0 ~ 70°C                     |

|                  |                                                                               |
|------------------|-------------------------------------------------------------------------------|
| Humidity         | 35~85%RH (Without condensation)                                               |
| Shock Resistance | JIS C0040 Standard                                                            |
| Noise Immunity   | Noise Voltage:1000Vp-p Pulse; Width:1us; Frequency:30-100Hz (Noise Simulator) |

#### Output:

|                    |                   |                                          |
|--------------------|-------------------|------------------------------------------|
| Item               | Transistor Output |                                          |
| Output Type        | NPN               |                                          |
| Input Power Supply | DC 24V            |                                          |
| Output Circuit     | DC 5~30V          |                                          |
| COM Port Current   | <0.1mA(DC 30V)    |                                          |
| Insulation         | Optical Coupling  |                                          |
| Leak Current       | 0.1mA/DC 30V      |                                          |
| Min.Load           | DC 5V 2mA         |                                          |
| Max.Load           | Resistive         | 0.5A point 0.8A COM port 0.3A HSPO point |
|                    | Inductive         | 12W/DC 24V7.2WHSPO point                 |
|                    | General           | 0.9W/DC 24V                              |
| Response Time      | ON                | <0.2ms                                   |
|                    | OFF               | (Pulse output terminal: <5us)            |

#### AC Power Supply:

|                   |                                    |
|-------------------|------------------------------------|
| Item              | LX3V(P) 1212M                      |
| Voltage           | AC100~240V 50~60Hz                 |
| Power Outage Time | 10ms                               |
| Rush Current      | <15A 5ms/AC 100V; <30A 5ms/AC 200V |
| Power Fuse        | 250V 1A                            |
| Power Consumption | <35w                               |
| Power Output      | DC 24V 850mA                       |

#### DC Power Supply:

|                   |                 |
|-------------------|-----------------|
| Item              | LX3V            |
| Power Supply      | DC 24V±10%      |
| Power Outage Time | 10ms            |
| Power Fuse        | 250V 3.15A      |
| Rush Current      | <15A 1ms/DC 24V |
| Power Consumption | <30w            |

#### PLC Dimensions:

