

PROGRAMMABLE LOGIC CONTROL TRAINER

ED-4260

- Modular PLC system with GLOFA-GM4 PLC unit
- 32 input points / 32 output points
- Monitoring of internal data through the 4-digit LED
- LD (Ladder Diagram), IL (Instruction List), SFC (Sequential Function)
- Stepping motor and DC motor installed as standard for rotational / linear movement
- Basic 3 Modules : Input Controller, Output Simulator, Count & Position Simulator



> SPECIFICATIONS

MAIN FRAME

- **DC Output**
 - » Output Voltage : 0~24V(Continuously Variable)
 - » Current : 0~2A(Continuously Variable)
 - » Ripple : 0.02% + 2mV
 - » Regulation : 0.02% + 1mV
 - » Voltmeter : DVM 3digits
 - » Ammeter : AAM
 - » Protection : Constant Current Protection(Fixed DC 24V)
- **AC Output**
 - » Voltage : 220V(Fixed Type)
 - » Current : 1A(Maximum)
 - » Terminal : Safety connector type
 - » Protection Circuit : Electronic stabilization of overcurrent (Reset function)
 - » Voltmeter : DVM 3 Digits
- **In-Output Terminal**
 - » Input : 32 Points(8-point COM)
 - » Output : 32 Points(8-point COM)
- **Modules** : Basic : 3ea , Optional : 16ea
- **Number of Base Slots** : 8ea(excluding the power unit and the CPU unit)
- **Input Voltage** : AC 220V 50/60Hz
- **Dimension** : 760(W) x 430(D) x 340(H)mm

PLC UNIT (GLOFA-GM4)

- **Control Method**
 - » Stored Program, Repetitive Operation, Pre-timed Operation, Interrupt Operation
- **Input/Output Control Method**
 - » Scan synchronized batch processing
- **Program Language**
 - » LD(Ladder Diagram), IL(Instruction List), SFC(Sequential Function)
- **Type of Language**
 - » Operator : LD 13ea, IL 21ea
 - » Basic Function : 109ea
 - » Basic Function Block : 11ea
 - » Special Function Block : Exclusive use for the special function module
- **Computing Speed**
 - » Operator: 0.2μs/command
 - » Basic Function, Function Block : 0.2μs/step
- **Maximum I/O Points**
 - » 512 Points(In case of using the 16-point module)
 - » 1024 Points(In case of using the 32-point module)
- **Data Memory**
 - » Direct Parameter Domain: 2~16k bytes(assigned by the parameter)
 - » Symbolic Parameter Domain : 52k bytes(direct parameter domain)

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- **Timer**
 - » Unlimited number of points(20 bytes of the symbolic parameter domain occupied per point)
 - » Time Range : 0.001 sec.~4294967.295 sec.(1,193 Hours)
 - **Counter**
 - » Unlimited number of points(8 bytes of the symbolic parameter domain occupied per point)
 - » Coefficient Range : -32.768 ~ +32.767
 - **Operation Mode** : RUN, STOP, PAUSE, DEBUG
 - **Data Retention at Power Failure**
 - » Data set as retain when defining the parameter
 - **Number of Program Blocks** : 180ea
 - **Type of Programs**
 - » Scan: Programs not registered as the task programs
 - » Pre-timed task : 32ea
 - » External Contact task : 8ea
 - » Internal Contact task : 16ea
 - » Initialization task : 3ea(_INIT, _H, _INIT, _ERR, _SYS)
 - **Self-Diagnosis Function**
 - » Computational delay monitoring, abnormal memory, abnormal I/O, abnormal battery, abnormal power supply
 - **Restart Mode**
 - » Cold, Warm, Hot restart
- ACCESSORIES**
- Connection Cord(ø4) : 1set
 - RS-232C Cable : 1ea
 - Circuit Connection Cord : 1set
 - AC Power Cord : 1ea
 - Dust Cover : 1ea
 - PLC GLOFA-GM4 Manual CD : 1ea
 - Operating Program CD (*Provided only if a full set is ordered) : 1ea
- OPTIONS**
- Option Modules : 16ea
 - Simulation Software Programmable Logic Controller (EDS-SimPL)

BASIC MODULES (3ea)



IM-4260-2 PLC Input Controller

- Data Input Switch (Toggle) : 8ea
- Data Input Switch(Push) : 8ea
- Push Button Switch : 11ea
- Selection Switch (SPDT) : 1ea
- Digital Switch (4digits) : 1ea
- Output Terminal : ø4 (21ea)
- Dimension : 250(W) x 166(D) x 65(H)mm



OM-4260-3 PLC Output Simulator

- Output Indicator(DC 24V) : 16ea
- Output Lamp(DC 24V) : 2ea
- Buzzer(DC 24V) : 1ea
- Binary Counter(LED Display 4digits) : 1set
- Input Terminal : ø4(16ea)
- Input Power : DC 24V
- Dimension : 250(W) x 166(D) x 65(H)mm



PM-4260-4 Count & Position Simulator

- Input Control : PLC contact signal
- DC Motor (900 rpm) : 1ea
- DC Deceleration Motor (30 rpm) : 1ea
- Stepping Motor (2-phase) : 1ea
- Photo Sensor Output : 3ea
- Limit Sensor Output : 2ea
- Input Power : DC 24V
- Dimension : 250(W) x 166(D) x 65(H)mm

OPTION MODULES (16ea)



AD-4260-5 A/D Converter

- Analog Input : 0~10V DC
- Digital Output : Binary 8 bits
- Conversion Time : Below 100 μ s(Variable)
- Clock Frequency : 100kHz~1MHz
- DC Output : 0~15V
- Input Power : AC 220V
- Dimension : 250(W) x 166(D) x 65(H)mm



DA-4260-6 D/A Converter

- Digital Input : Binary 8 bits
- Analog Output : 0~10V DC
- Conversion Time : Below 50 μ s
- Data Switch : 8ea(Toggle)
- Analog Monitor Range : 1.5V, 15V(FS)
- Input Power : AC 220V
- Dimension : 250(W) x 166(D) x 65(H)mm



PT-4260-7 Power & Terminal Transfer Unit

- Terminal Conversion : $\phi 4 \rightarrow \phi 2$ (20ea)
- DC Output : $\pm 15V$ 500mA
- AC Output : 220V 200mA
- Input Power : AC 220V
- Dimension : 250(W) x 166(D) x 65(H)mm



PM-4260-8 Potentiometer & Meter Unit

- Voltage Signal I/O : -15V~0~+15V Variable
- Current Signal I/O : -500mA~0~+500mA Variable
- Signal Converter : 10-turn VR(10k Ω /3W)
- Indicator (AVM) : DC 0~15V(2ea)
- Dimension : 125(W) x 166(D) x 65(H)mm



SU-4260-9 Temperature Sensor Unit

- Temperature Sensor Circuit : Wheatstone Bridge
- Temperature Control : Heater & Cooling Fan
- Resistance Sensing Range : 50 Ω ~5k Ω
- Temperature Sensor Device : Thermocouple
- Input Power : AC 220V
- Dimension : 250(W) x 166(D) x 65(H)mm

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PC-4260-10 Photo Control SCR Circuit Unit

- Control Input Voltage : 0~10V DC
- Control Method : SCR phase control by Photo Coupler
- Output : AC 220V 50W (Lamp)
- Input Power : AC 220V
- Dimension : 250(W) x 166(D) x 65(H)mm



ES-4260-11 Emergency Switch Unit

- Emergency Button : Lock function-type 1a and 1b contact output(lock function type)
- Contact : DC 24V 5A
- Dimension : 125(W) x 166(D) x 65(H)mm



RL-4260-12 Relay Unit

- Relay : 4 PDT(3ea)
- Input Voltage : DC 24V
- Contact : DC 24V 3A
- I/O terminal : $\varnothing 4$ (42ea)
- Dimension : 250(W) x 166(D) x 65(H)mm



AS-4260-13 A Type Signal Input Switch Unit

- Latching Type : 2PDT(1ea)
- Momentary Type : 2PDT(2ea)
- Contact : DC 24V 1.5A
- Button Lamp : DC 24V(Red, Green, Yellow)
- I/O Terminal : $\varnothing 4$ (24ea)
- Dimension : 125(W) x 166(D) x 65(H)mm



BS-4260-14 B Type Signal Input Switch Unit

- Push Button Type : 1a, 1b(2ea)
- 3-Position Selector : 1ea
- Contact : DC 24V 5A
- I/O Terminal : $\varnothing 4$ (12ea)
- Dimension : 125(W) x 166(D) x 65(H)mm



BL-4260-15 Buzzer & Lamp Unit

- Buzzer(DC 24V) : 1ea
- Indicator Color : Red, Green, Yellow, White(4ea)
- Lamp Voltage : DC 24V
- I/O Terminal : $\varnothing 4$ (10ea)
- Dimension : 125(W) x 166(D) x 65(H)mm



EM-4260-16 Electric Distributor Unit

- +, - Distribution Port : 6 ports, 2 circuits
- Contact for Load : 4 ports, 2 circuits
- Indicator Color : Red /Green LED
- I/O Terminal : $\varnothing 4$ (32ea)
- Dimension : 125(W) x 166(D) x 65(H)mm



RE-4260-17 Rotary Encoder Unit

- Number of Output Pulse : 100 pulse per rotation
- Output Phase : A-phase, B-phase
- Control Output : Totem Pole
- Input Voltage : DC 5~24V
- Dimension : 125(W) x 166(D) x 65(H)mm



PS-4260-18 C Type Signal Input Switch Unit

- Momentary Type Push Unit
- Output Contact : a contact(8ea), b contact(8ea)
- Terminal : +line(10ea), -line(10ea), contact(32ea)
- Contact : DC 24V 1.5A
- Dimension : 250(W) x 166(D) x 65(H)mm



CH-4260-19 Cable Holder

- Slot Line : 6mm(2ea), 4mm(18ea)
- Height (including wheels) : 750~1400mm
- Trolley Wheels : Lockable type



ED-4230-5 Extension In/Out Unit

- Input Point : 32(8Com.x4)
- Output Point : 32(8Com.x4)
- Patch Cord : 25P x 5m(4ea)
- I/O Terminal : $\varnothing 4$ (72ea)
- Dimension : 750(W) x 100(D) x 60(H)mm