

MASTER CONTROL UNIT



MCU-3000

Application

MCU-3000 is a high performance master control unit that can be used for construction of an integrated system being applied to a medium/large building. It synthetically controls diverse low level control units (DDC, LCU, etc.) and provides a communication interface function that provides information related to high level MMI software. It also carries out direct control and management through the imbedded LCD and keypad.

Feature

- Function to construct an Internet based (TCP, and UDP supported) system being connected with SiManager
- Function to control the equipment in accordance with the schedule (100 schedules, daily, weekly, monthly and annual schedules)
- Embedded Function Block function for control of equipment (preparation and management of control program)
- Own system integration function through other system interface port is provided.
- Function to upload and download on-line system setup data and upgrade firmware
- Dualized data backup function using the flash memory and SRAM
- Function to automatically synchronize time and setup data with DDCs and password security function
- Maximum number of points used: 5,120 points (physical points, when 32 FCUs are connected)
- Protocols supported
 - Exclusive protocols: SE-Net and Cu-Net
 - Standard protocols: TCP/IP, BACNet/IP, Modbus/TCP, and LonWorks
 - Third party protocols : About 40 protocols
- Model
 - MCU-3000D : Desktop Type
 - MCU-3000P : Panel Type

Technical Data

Processor	- 32bit ARM Processor
Memory	- Flash Memory : 1MB - DRAM : 8MB - SRAM : 1MB - Serial Flash Memory : 2MB
Display	- 4Line x 16char DOT MATRIX LCD/w LED Backlight
KeyPad	- Numeric/Direction Key(9)
Timer & RTC	- RTC(Built-in battery)
Self-Diagnostic	- WDT(Watch Dog Timer) Function
LED Status	- Status Lamp : RUN, ERR, XER, LON, LNK - Comm Status Lamp : LAN Tx/Rx, COM(0,1,2,3) Tx/Rx,
Comm. Port	- Lan Port - TCP/IP(10/100), Ethernet - COM 0 - RS-232(CU-NET/MODbus/V-TERM) - COM 1 - RS-485(CU-NET) - COM 2 - RS-232/RS-485 Selection(Other companies interface port) - COM 3 - RS-232/RS-485 Selection(Other companies interface port)
Power Requirements	- MCU-3000P : AC 24V 50/60Hz - MCU-3000D : AC 85~240V 50/60Hz
Ambient Operating Conditions	- -10°C ~ 60°C, 10% ~ 80%Rh
Dimensions(W x H x D)	- MCU-3000P : 215 x 125 x 90(mm) - MCU-3000D : 199 x 158 x 62(mm)
Housing	- Depending on the type of Polystyrene

Shape Dimension

