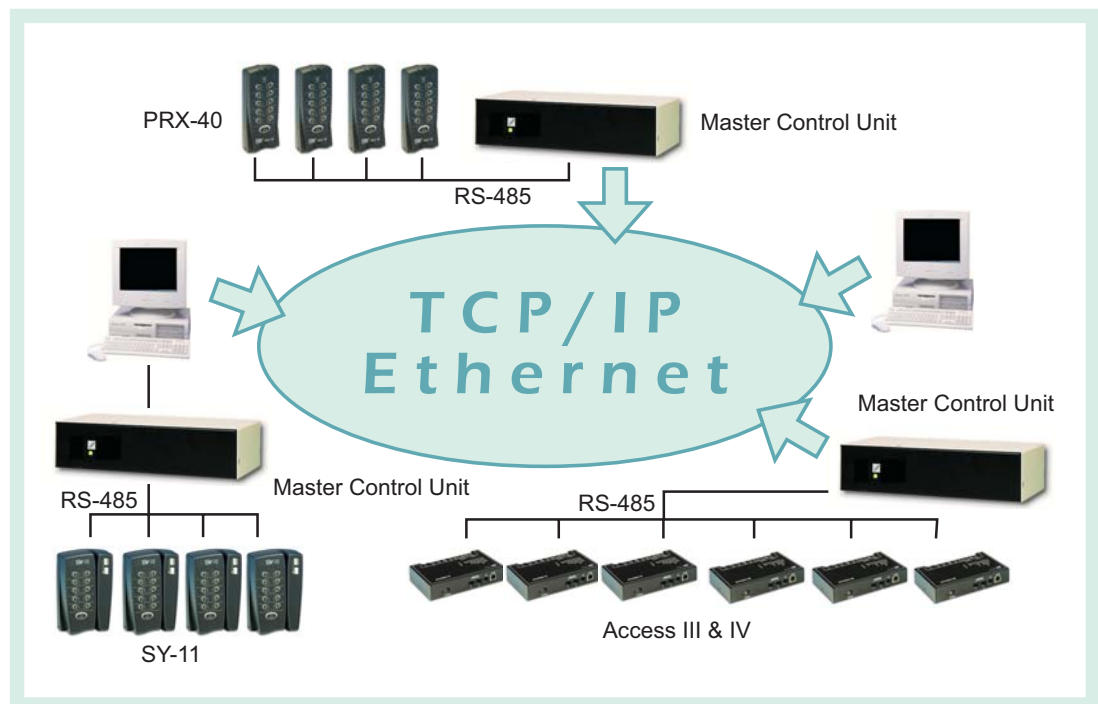


# Master Control Unit

## Connectivity Solutions

**TCP/IP**

- Control up to 16 Access terminals
- Stand-alone
- Falcon-compatible (time zones; anti-passback; terminal groups; permitted lists)
- Communication: RS-485 or TCP/IP communication with Host
- Four inputs/ four output relay logic for events control
- APB - Anti Pass Back and Route control
- Downloads valid cards to local controllers for offline operation



### Access Control made easy

Access Control types of systems are used to control and record employee entry/exit in or out of restricted areas. The recorded data may be automatically fed into an access control program (such as Falcon), security program, statistical analysis or any other application.

### The Hardware

The Master Control unit is used to interconnect up to 16 local controllers to a PC for purposes of door supervision, door status, data collection/transfer and reconfiguration services. Up to 8 such Master Control units - up to 128 doors - may be connected to a single computer serial port. When connecting to Ethernet the number of Master controllers, which may be connected to a single computer, is unlimited, since each Master Control unit carries specific IP addresses.



Connectivity Solutions





# Master Control Unit

## Connectivity Solutions

Connectivity Solutions

### Standard Configuration

- Concentrates up to 16 Access terminals
- Stores up to 14,000 cardholder entries (Master large)
- Sufficient capacity for 3,500 events
- Non-volatile memory retains data up to 3 years
- UPS for up to 12 hours
- Includes four dry-contact output relays
- Includes four opto-isolated inputs
- Provides real-time clock services
- On-line entry/exit logging/reporting
- Anti-passback protection
- Parameters set via host
- Diagnostics indication for communication failure
- Multiple time zones
- Calendar supporting



### Ethernet version

Synel now allows you to control Access terminals via Ethernet. Each Master Control unit equipped with our optional TCP/IP card provides a direct connection to Ethernet via its unique IP address.

### Characteristics

#### Memory

- EPROM 128kB; 512kB RAM for data

#### Interfacing

- Communication: RS-232/485, 10 Mbit, 19,200 baud rate

#### Man-Machine Interface

- Tri-color LED indicator
- Four fully-programmable I/Os:  
Inputs 1-4 opto-isolated  
Output relays 1-3: 2 A @ 30 Vdc or 0.6 A @ 150 Vdc  
Output relay 4: 5 A @ 230 Vac

#### Power Supply

230, 115 or 9 Vac @ 50/60 Hz  
Power consumption: 5 watts

#### Ethernet Version

Communication rate up to 38 kB/s  
Interface: 10BaseT  
Memory: flash EPROM 128kB

#### Mechanical Features

Dimensions: 15 X 25 X 5 cm  
Weight: 1500 g  
Operating temperature: -5<sup>0</sup> to +45<sup>0</sup>c

#### Local controllers

- Access I, II, III, IV
- PRX-40
- SY-11 barcode/magnetic



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