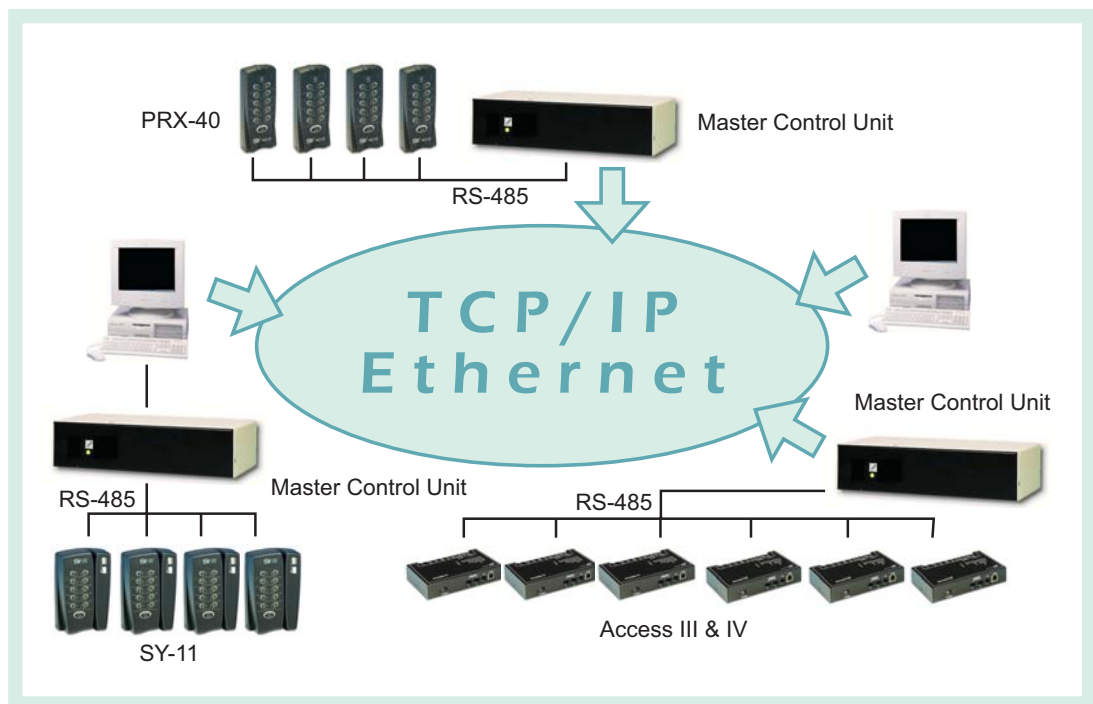


# Master Control Unit

## 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

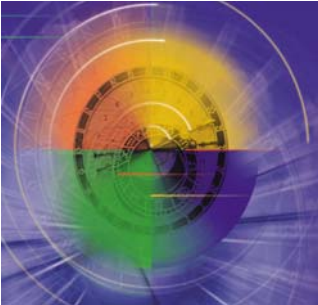
Access Control types of systems are used to control and record employee entry/exit in or out of restricted areas. The recorded data may be automatically fed into an access control program (such as Falcon), security program, statistical analysis or any other application.

### 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 64kB; 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

Catalog No. 990032 (Master-111-421) Updated 07/04  
© All rights reserved to Synel Industries Ltd. 2004

Pictures in this brochure are for illustration purposes only. The technical data sheet packed with the product is the only obligatory source of technical information. © All rights reserved to Synel Industries Ltd. 2004

Specifications subject to change without notice

### Synel Industries (UK) Ltd.

Units 1-5 Hallmark Trading Estate  
Fourth Way, Wembley, Middlesex HA9 0LB  
Tel: +44-(0)20 8900 9991, Fax: +44-(0)20 8902 3595  
Website: www.synel.co.uk, E.mail: sales@synel.co.uk

