

# SY-777/A

## Industrial time & data collection terminal



Synel SY-777/A terminal is intended for use in an industrial environment, where the solid metal casing and overall structure make installation simple, safe and durable.

SY-777/A offers the broadest range of effective time & attendance monitoring, shop floor control, job costing, and access control applications.

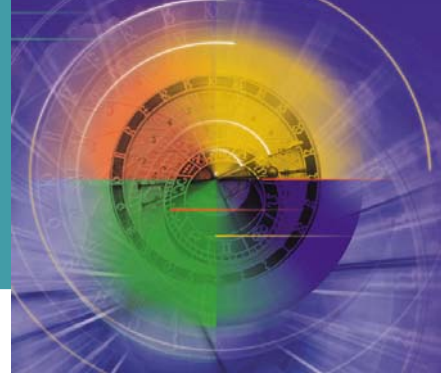
The terminal has a number of access inputs: Magnetic, barcode, proximity, HID and Mifare readers.

The terminal features online/offline modes of operation and communicates in real-time interface using TCP/IP protocol, which makes it a comprehensive interactive system. It provides online system management of employee reports as well as communication of current employees' data.

Terminal communication programming employs Synel's user-friendly interface provided by SYNcomm or other advanced applications. This wide range of compatible communication applications supported enable easily customizing the terminal to your unique requirements, while Synel's SAL compiler enables flexible programming. Firmware can be upgraded remotely to facilitate maintenance.

SY-777/A terminals mechanical design offers easy programming, while the back light and 32 character display allow quick and easy reading.

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### When only the best will do

#### Flexibility and Security

Synel SY-777/A offers direct connection to net via TCP/IP, thus allowing you to access any terminal from any location on a network for a great flexibility. The system maintains absolute security by allowing only authorized personnel to access various layers of communication software. Cardholders can gain access to premises by swiping their badge and/or entering their PIN.

#### Communication Software

The SY-777/A is fully programmable. Synel provides the user with a powerful yet friendly-to-use communication and programming software. Standard Windows programs & DLL protocols allow users to interface their own application software.

The communication software is a state-of-the-art, menu driven application generator. It enables the user to redefine the terminal's functionality to meet numerous requirements. The software allows the terminal to generate data entry dialogs and task costing data entries and to collect attendance data transactions. SY-777/A communicates on-line in real time with different databases on a PC, via TCP/IP communication protocol.

#### Reliability

Synel SY-777/A data collection terminal has been tested for optimal reliability. A high MTBF ensures virtually uninterrupted performance. The sealed keypad and the unique ergonomic design reduce maintenance costs. The terminal is manufactured to ISO-9001.

#### Functional & Technical Characteristics

- Communication done via Ethernet, Modem, RS-232 or RS-485 for multidrop of up to 32 terminals on a single communication port
- Magnetic reader (track I, II, III)
- Bar code slot reader model (codesa: 128, 2/5, 3/9, UPC-EAN)
- Proximity reader 125 KHz
- Weigand interface (26, 34, 36, 37, 44, 48 bit)
- Mifare 13.56 MHz - Serial number only
- Operates both off-line and on-line with a host computer under multiple operating systems: Windows 2000/XP
- 8 programmable function keys, 10 numeric keys, 4 control keys, 2 browsing keys, on an ergonomic designed keypad
- Illuminated 16x2 large alphanumeric character LCD display with backlighting
- Scroll keys allow users to view large messages on the display board
- 512 kB RAM for storing over 10,000 transactions
- Rechargeable backup battery for the memory and Real Time clock
- Rechargeable backup battery for operation with auto shut-off for use during power outages
- Two relays for bell, door, etc
- Two sensors (door monitoring)
- Audible tones for badge acceptance / rejection
- Warning indicator for battery and memory status
- Printer support
- A detachable Power cable

#### Physical Characteristics

Size: 24 cm x 15 cm x 8.5 cm  
Weight: 1250 gr.

#### Power Requirements

Operating power: 110 /230 Vac  
Back-up battery - rechargeable, included

#### Environmental Characteristics

Temperature: -20° to 70° C  
Humidity: up to 95% RH

#### Optional Accessories

- Secondary external magnetic/bar code/proximity reader for greater flexibility
- 12 Vdc, 1 A dry-contact relay to activate a bell or a door latch
- Internal modem 14,400
- Variable baud rate - 1200 to 115000 bps
- Net connection:
  - Ethernet 10BASE-T/100BASE-T or AUI
  - POE



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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