

SY-780/A

The Ultimate in Time and Attendance Recording



- Fingerprinting for biometric verification/identification
- On-line/off-line modes of operation
- Complex attendance reporting
- Job reporting
- Shop floor control reporting
- Real-time database queries
- Built-in TCP/IP communication (optional)
- Wireless communication (optional)



SY-780/A



The Ultimate in Time and Attendance Recording

Biometric Characteristics

The SY-780/A terminal offers several options for biometric operation:

- **Verification** - Employees' identities are verified using fingerprints AND a PIN number and/or badge; fingerprint verification is ingetrated with barcode, magnetic stripe or proximity readers. With this method, up to 4000 templates can be stored on the terminal.
- **Identification** - An employee is identified by fingerprint only. With this method, up to 1000 templates can be stored on the terminal.
- **Fingerprint templates on Smart Cards** - Ensures privacy by storing the fingerprint template on the employee's personal Smart Card, not in an organizational database. This results in fast verification and allows an unlimited amount of users per system.

Programming

With the SY-780/A, work off- or on-line:

Working off-line (batch mode)

In off-line mode, there is no need for immediate communication with the PC during reporting. All controls and checks can be done independently by the terminal.

With Syncomm (Synel's communication software), the SY-780/A terminal can be programmed to:

- Operate differently according to the day of the week
- Provide single/multi-step or conditional reporting
- Validate data
- Select the input source (magnetic reader, keyboard, etc.)
- Display the information from the internal database

Working on-line (real-time mode)

Working with a server, the SY-780/A can work on-line as an interactive system with an external database.

Programming the terminal with Syncomm or SAL (Synel Application Language), on-line, the SY-780/A performs automatic data collection and data transfer to the central database. The SY-780/A initiates the queries without the necessity of polling and downloads the data into the server.

General Features

- Scheduling for required functions - for morning and evening periods, set the terminal for "swipe & go"; during the day, leave it set to record jobs.
- Technician mode is available for easy set-up of the terminal.
- Enable the activation of a bell according to the day of the week, regardless of the program that runs on the terminal.
- Schedule modem operation times with optional dial and drop transactions.
- Displays time in several formats (US, European, military or 12-hour).

Technical Characteristics

Includes:

- Two relays for bell, door, etc.
- Two sensors (door monitoring, etc.)
- Additional serial ports for scale or printers
- PC bus for expansion of I/O
- Memory: 512 kB, battery-backed
Dynamic distribution of memory
mapping
Single record updating method
- Display: Backlit LCD, 2 rows of 16 characters
Alarm LED for irregularities notification
- Keyboard: 8 function keys
10 numeric keys
2 browsing keys
4 control keys

• Readers:

- Bar code (3-of-9, interleave 2-of-5, code 128)
- Magnetic (track I, II or III)
- Proximity (contactless at 125 kHz)
- Fingerprint recognition
- Wiegand (HID, Mifare and Indala) in several formats
- Smart Card

Interfacing

- RS-485 for up to 16 terminals
- RS-232 for Host connection
- Optional internal or external modem
- TCP/IP for on-line or off-line
- Wireless Wi-Fi 802.11
- Bluetooth Class II

Power Requirements

- Operating power - 110/230V AC
- POE 9-12V AC
- Back-up battery - rechargeable, included

Options

- Internal modem (14,400 bps)
 - 10/100 Mb Ethernet card for TCP/IP (DHCP compatible)
 - Fingerprint recognition module
- | | |
|---------------------|----------------|
| Template size | 350 Bytes |
| Response time | 3 seconds max. |
| Security levels | 5 |
| False accept/reject | 0.001 |
| Template storage | 4000 |

Physical Characteristics

- Dimensions: Height: 6.7 in. (17 cm)
Width: 9.8 in. (25 cm)
Depth: 3.75 in. (9.5 cm)
Weight: 2.5 lbs. (1.12 kg)
- Operating temperature: 32-105°F(0-40°C)
- Humidity: up to 95% RH

Synel Industries Ltd.

USA: 1351 Oakbrook Dr. #115A, Norcross, GA 30093

Canada: 2410 Meadowpine Blvd. #103, Mississauga, ON L5N 6S2

Tel: 1-877-796-3546 e-mail: info@synel-usa.com site: www.synel-usa.com

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.



Synel Industries Ltd. **SY**