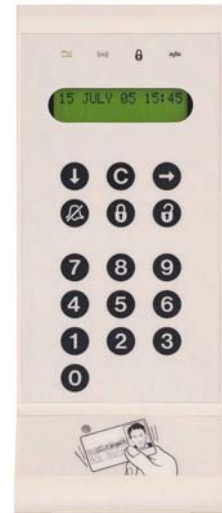




- Stand Alone or in Network with up to 27.000 Readers
- Intelligent Controller with keypad and display
- Integrated or External Reader Head for Magstripe, Wiegand, Proximity, Mifare Proximity and Chip Card reading
- PC Management System running under Windows NT/2000/XP/2000 Server/2003 Server
- Integrated with THOR Intruder Alarm and Video Verification System
- Anti Passback, Elevator Control, Bank Lobby function, Inter-Locking Doors and other standard features



Card Reader / Terminal

The THOR Access Control System is a high security stand-alone or networked system.

The system's key element is the intelligent Access Control Terminal, capable of managing up to 16,000 or 65,000 access cards in up to 250 personnel groups, 35 week time programmes and a large number of other functions and features.

Equipped with a 16-pin keypad and a 32-character display with backlight, the Terminal is self-contained and holds all the facilities for programming.

The Terminal is housed in an IP42/IP45 approved ABS case and with built-in heat elements. With certain card technologies it can be used for both in-door and out-door applications.

The door control and monitoring are carried out through an S-ART connected to the Terminal. The Terminal and the S-ART both operates on either 12 V DC or 24 V DC.

Reading Technologies

The Card Reader/Terminal, can be delivered in several versions although in the same housing and with the same features.

With the reader built into the Terminal, it will work with Magstripe, Proximity Wiegand or Chip Cards /tags or as a dual technology reader with both Magstripe and Proximity cards/tags.

The Terminal can also be delivered without any built-in reader, but equipped with a reader interface for external readers.

The reading technologies supported through this interface include Magstripe, Wiegand, Barcode and Proximity.

Networked Systems

In a Networked System, up to 30 Terminals can work together on an RS485 data-bus. If more terminals are required, up to 30 RS485 sub-busses can be added through a number of bridges. A maximum of 900 Terminals can work in one system.

Integrated Systems

In an integrated system with both THOR Access Control and THOR Intruder Alarm working together, the Terminal acts as a Card Reader for the Access Control System and as a Remote Keypad for the Intruder Alarm System simultaneously.

The integration is complete and access into parts of the premises that are armed by the Intruder Alarm System will not be allowed, thus preventing fault alarms.

Programming

Though the programming of all functions can be made on the Terminal itself through a menu driven system, programming will typically take place through the THOR Configuration System or through the THOR Security Management System.

Both systems allow the complete system programming to be carried out on a PC, in a user-friendly Windows environment.



THOR Complete Terminals

Part No.: 811000¹/811001²
Access Control Terminal with built-in Magstripe Reader.

Part No.: 811014¹/811015²
Access Control Terminal with built-in Wiegand Reader.

Part No.: 811004¹/811005²
Access Control Terminal with built-in Chip Card Reader.

Part No.: 811006¹/811007²
Access Control Terminal with built-in HID Proximity Reader.

Part No.: 811008¹/811009²
Access Control Terminal with built-in Deister Proximity Reader.

Part No.: 811012¹/811013²
Access Control Terminal with built-in Deister Proximity and Magstripe Reader.

Part No.: 811010¹/811011²
Access Control Terminal with built-in Mifare Proximity Reader.

Part No.: 811016¹/811017²
Access Control Terminal for External Reader.

¹ = Standard version
² = Enhanced version



INTEGRA FIRE & SECURITY

Technical Specifications

Terminals/Readers:
Maximum 27.000 in one system.

Card database:
Standard-range: 16,000 cards
Enhanced-range: 65,000 cards

Holiday programming:
25 holiday periods per year.

Week programmes:
35 week programmes with 8 time zones/day.

Global Anti Passback:
Up to 16 zones/ RS 485 bus.

Elevator Control:
15 floors/personnel group.

Event Log:
2,300 events/Terminal.

Pin-code digit:
4 or 6 digit.

Door Monitoring:
- Door held.
- Door forced.
- Pin-code misuse.
- Duress code entered.

Door Control:
Activation of door 1-99 sec.
Opening to warning 1-99 sec.
Duration of warning 0-99 sec.
Time to enter pin-code 1-99 sec.
No. of pin-code errors 1-99 no.

THOR S-ART's

Part No.: 853002
S-ART for Door Control
Input for Door Contact and Exit Pushbutton
Output (1A) for Electric lock.

Part No.: 853009
S-ART for Door Control
Selectable Supervised/Non-Supervised Input for Door Contact and Exit Pushbutton
Output (2A) for Electric lock.

Technical Data

Dimensions:
h=234 mm, w= 95 mm, d=51 mm

Supply Voltage: 10 -30V DC

IP-class (IEC):
Magstripe IP45
Wiegand IP45
IP45
Chip Card IP42
HID Proximity IP45
Deister Proximity IP42
Combined Magstripe/Prox IP42
Mifare Proximity IP45
Terminal for Ext. Reader IP45

Power Consumption:
At 12VDC Max.
Normal condition 80mA
w/ backlight on 145mA
w/ heat element on 220mA

At 24V DC Max.
Normal condition 50mA
w/ backlight on 80mA
w/ heat element on 360mA

Heat element switch temp.:
5 to 10 °C

Temperature range:
Without heating: -5 to +60 °C
12V DC w/heating -15 to +60 °C
24V DC w/heating -25 to +60 °C

Humidity (operating):
0 - 96% non-condensing

Storage temperature:
-20 to +60 °C



89/336/EEC

HIGH SECURITY international undertakes a continuous and intensive product development to ensure the highest possible standards. As a result, these specifications are subject to change without notice.