



# SPECTRA



## SECURITY SOLUTIONS PROVIDER

### Four Door Access Controller *Spectra ACT1000*



#### TECHNICAL SPECIFICATIONS

Model	: Spectra ACT1000
Controller	: 4 Doors / 8 Readers
CPU	: 8 Bit Microcontroller running at 42 Mhz
Program Memory	: 512 Kbytes
Database	: 30,000 Card Holders
Transactions	: 55,000 time stamped events storage capacity
Memory management	: Flexible memory management for database & transaction
RTC	: Non Volatile Real Time Clock Calende
Display	: 16 char x 2 lines high contrast backlit LCD display, LED indication for reader and lock activity status
Keypad	: 12 Keys Membrane keypad for local programming
Communication	: 10 Base-T RJ45 ethernet interface (TCP/IP) with status LED indications
Reader interface	: Weigand configurable from 26 bits to 40 bits / Clock Data, Eight Reader ports
Reader Control	: LED Control, Buzzer Control and Reader Tamper switch Input
Lock Interface	: 4 Potential Free changeover relays, contact rating 3A/30VDC, Supports both fail safe & fail secure lock assemblies
Digital Inputs	: Optically Isolated inputs for 4 Door Sensor, 4 Exit Switch & 8 General purpose digital inputs
Digital Outputs	: 4 General purpose relay outputs
Watchdog	: Built-in watchdog supervisor
Supply	: 13.8 V DC / 5 Amp with battery charger, Provision to connect 12V/7.2 AH Battery
Input	: 180V AC ~ 230V AC / 50 Hz
Humidity	: RH 5~95% Non-condensing
Weight	: 5.14 Kg.
Input	: 36.2 cm(L) x 32.5 cm(W) x 8.3 cm(D)

#### FEATURES

##### 4 Door / 8 Reader Controller

Supports access control of up to 4 doors in all respect including 4 entry readers, 4 exit readers, 4 locks, 4 exit switches etc.

##### Inbuilt RJ45 Network Interface

Leveraging on the merits of IP based systems, it can easily be hooked up on the existing TCP/IP network. Thus the data can be transferred instantaneously in real time mode to a centralized server.

##### Field Upgradable Firmware

Facility to onsite upgrade the firmware over Ethernet interface so that any customisation or new version can be easily upgraded without any need of removing the device.

##### Protected Enclosures

Both controller & power supply unit are protected with suitable housing so that electronic circuit boards are not exposed to cause anyaccidental damage.

##### Anti Pass Back

Door wise antipassback. Entry to the particular door is allowed only when the employee has exited through the same door.

##### Door Interlocking

Facility of door interlocking is available. The system allows creating a group of doors such that access to a door within the group is allowed only when all the other doors are in closed condition.

##### Excellent Price Performance Ratio

With a lower price to performance ratio ROI is automatically enhanced, the factor contributing to higher ROI is not only very competitive pricing but also higher accuracy rate offered by the product.

Protection	: Miniature Circuit Breaker (MCB) for over current protection
Battery (optional)	: Provision to charge external 12V/7.2 AH battery and providing backup
Power	: 4 Watts (Excluding Lock and Readers)
Protection	: Miniature Circuit Breaker (MCB) for over current protection