

Intelligent Four-Door Controller

TS0867

Overview

The Intelligent Four-Door Controller extends the Challenger system's capability to provide state-of-the-art access control functionality.

Each Intelligent Four-Door Controller provides intelligent access control for up to four doors including both entry and exit readers,

Access control operations like badging a card or entering a PIN can be programmed to function only during specified times of the day.

'Forced Door' and 'Door Open Too Long' alarm can identify a security breach to the access control system and trigger a remote alarm and/or a local alarm.

Anti-passback tracks user movements in or out from defined regions, reducing the incidence of user tailgating and card sharing that could undermine the integrity of the system.

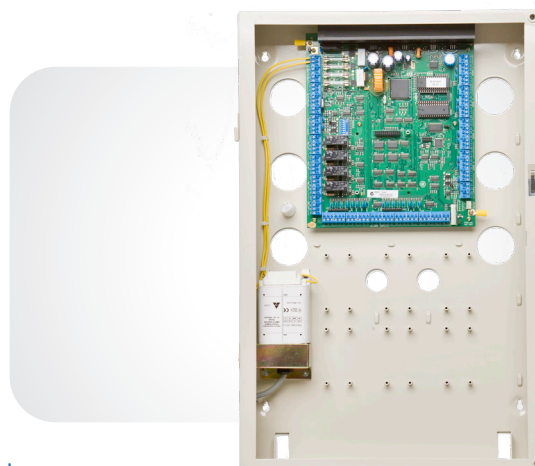
Extensive programming features can be used to program a sequence of unique events for a desired outcome (macro logic).

Access control doors can be interlocked. The operation of one door can disable the operation of another door for high security.

A card can be programmed for dual custody, so that entry will be granted for the user only after a different user also badges their card to indicate permission.

The Intelligent Four-Door Controller's onboard database provides access control functionality even if communications with the Challenger panel fail.

The Intelligent Four-Door Controller also supports many reader technologies and many different lock types as standard and is compatible with the Challenger v8, Challenger10 and ChallengerPlus control panels.



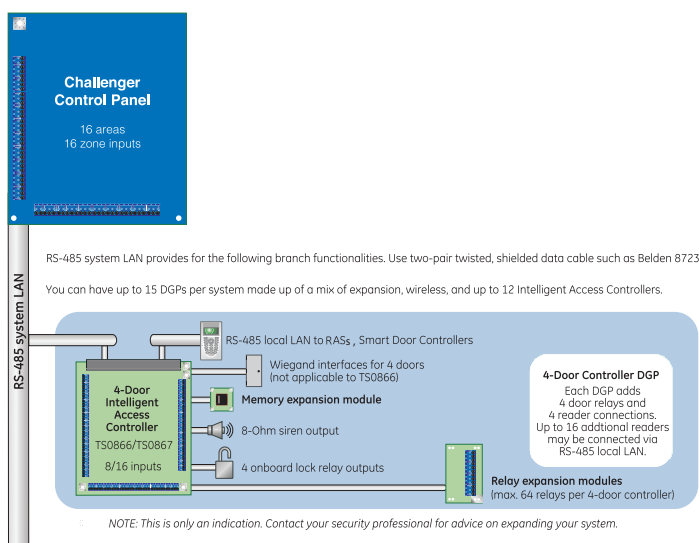
Features

- Real-time alarm and access control on four doors
- Supports card formats of up to 48 bits
- Onboard database for offline conditio
- Up to 12 Intelligent Access Controllers can add 48 access control doors to a Challenger panel's 16 doors
- Antipassback
- Request-to-exit support for each door
- User counter, interlocking, card + PIN, 3X badging
- The TS0867 has 16 alarm inputs and 4 Wiegand reader connections
- The TS0866 has 8 inputs (expandable to 16). No Wiegand reader connections.
- Local RS-485 bus for up to four readers per door with in/out configuration
- Supports wide range of third-party readers
- 4 relays onboard for lock control
- Up to 48 freely programmable outputs using macro logic equations
- Intelligent Access Controllers' onboard memory supports between 2,000 and 65,535 users with IUM memory expansion (the Challenger panel must use the same memory configuration)
- System conditions such as low battery, mains fail, and tamper can be programmed to operate outputs
- All reader LEDs are programmable, and can display alarm or access status
- Input devices can be monitored for tamper conditions (open or shorted) in addition to the default monitoring for sealed or alarm conditions
- Automatically unlock doors for a programmed time period (override time zone)

Intelligent Four-Door Controller

National Sales Enquiries
Level 4.01, 2 Ferntree Place
Notting Hill, Victoria 3168
Phone: 1300 361 479
Outside Australia: +61 401 777 572
www.aritech.com.au

System Block Diagram



Specification

Operating current (no peripheral devices)	700mA
LAN monitoring	Devices are polled for online state
Specified cable for Wiegand reader connection	6-core shielded data cable (Belden 9536 or equivalent)
Enclosure dimensions (W x H x D)	385 x 585 x 77 mm
Humidity	95% noncondensing Note: Units should only be used in a clean environment and not in humid air
System Capacity	4 Doors, 16 Inputs, 16 Relay Outputs
Physical	Distance from panel: Up to 1,500m Length of local bus: 1,500m Both may be extended with LAN Isolation Interfaces
Operating temperature	0 to 50°C
Auxiliary Power Supply	12 VDC/700 mA
Battery Testing	Yes
Batteries	Up to 2 with 7Ah each
Transformer	input 240 V at 50 Hz; output 18 VAC
Cardholders (expanded)	Challenger10/ChallengerPlus: 2,000 (65,535) Challenger v8: 11,466 (65,535)
PIN codes (expanded)	Challenger10/ChallengerPlus: 2,000 (65,535) Challenger v8: 1,000 (65,535)
Door groups (expanded)	Challenger10/ChallengerPlus: 255 Challenger v8: 10 (255)
Time zones	Challenger10/ChallengerPlus: 46 with 8 parts Challenger v8: 24 with 4 parts
Holidays	Challenger10/ChallengerPlus: 24 with 8 holiday types to select from Challenger v8: 24, only 1 type
Zones	16 (free programmable inputs)
Relays on board	4, expandable to 16
Programmable events	Up to 48 output events programmable with macro logic equations
RS-485 Local LAN Support	Up to 16 devices (Combination of keypads, readers)
Individual addressing with DIP switches	Yes
Memory	1 MB standard. Optional 4 MB IUM and 8 MB IUM modules. Must match Challenger panel
Card formats	Wiegand 27 bit, Tecom ASC, K 32 bit, Wiegand 26 bit, Indala ASC 27 bit, Indala ASC 26 bit, Wiegand 32 bit, Tecom Magnetic Card, Midas Magnetic Card, C36 bit. In an IUM Challenger system, users can have any card format up to 48 bits.
Regulatory Compliance	ACMA C-Tick for Australia and New Zealand

Ordering Information

TS0867	Intelligent 4 Door Controller with 4 Wiegand reader connections, with TS0329 enclosure and transformer
TS0867B	Intelligent 4 Door Controller with 4 Wiegand reader connections



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