

## ACC Series

## Access Control Controllers

- Attractive design housing for wall or 19" rack-mount (see insert)
- Different controllers for 1 and 4 door applications
- With or without power supply
- Tamper-proof housing
- Reader to controller configuration
- Built-in communication with PC, Modem or hand-held programmer
- Alarm arm/disarm features
- Built-in memory with battery backup
- Local memory for:
  - Time schedules
  - Users
  - Events
  - Card groups



There are 2 main controller types in the Aritech Access Control product range:

ACC 1 - One door controller

ACC 4 - Four door controller

The one-door controller has 3 different versions: without power supply; with 12 V power supply and with 24 V power supply.

The four-door controller has 6 different versions. The first 3 are similar to the one-door controller: without power supply; with 12 V power supply and with 24 V power supply. Three are also 3 additional controllers in an attractive new housing, which is also suitable for 19" rack mounting. All three have both 12 V and 24 V power supply.

Of the new controllers, the first is a regular 4-door controller. The second, the Max Controller has an integrated PC with pre-installed software and the third, the IP Controller has an integrated RS 232 - TCP/IP converter for direct connection to a network. For more information on the latter two products, please refer to their respective datasheets.

The controllers contain information concerning:

- Authorised user data (who, where, when)
- The security level for each point
- The event memory for each point

When using remote controller connections with dial up, it is advised to use controllers with extended memory. When the controllers are continuously on-line with a PC, extended memory is not required.

This information can be programmed into the controller from the reader's keypad, the hand-held programmer or from a PC. For more information regarding programming via the PC, please see the respective datasheet.

The controllers have outputs for:

- Electric lock
- Alarm arm/disarm
- Trouble output
- External buzzer (pre-warning)
- Communication to readers, other controllers and a PC

The controllers have inputs for:

- Request to exit device
- Door position contact
- Lock position
- Arm status from alarm system
- Alarm status from alarm system

The controllers have internally monitored fuses to prevent system malfunction due to external influence, i.e. a faulty electric lock. If expansion of in-/outputs is required, up to two relay cards can be connected to the controller which can be programmed via the Windows application software.

The controllers can be configured in a loop and connected to a PC. A lithium battery provides backup information in the controller. Each controller can be programmed to operate via a modem over a telephone line, allowing remote programming and monitoring of the access control system. Readers can be mounted on each side of the door and programmed to require different actions to allow access, i.e.: Reader on the outside - Card + Code Reader on the inside - Card only.

The controllers contain 2 separate PCBs: one contains the connection terminals and the other the electronics. This enables the controller to be changed or disconnected without the time consuming task of disconnecting all the wires.

*The ACC Series are reliable, high quality controllers with excellent value for money.*

## ACC Series

### → Technical data

Supply voltage	Controllers can operate on 12 or 24 V dc			
Power supply				
ACC 1PS12	2 A			
ACC 1PS24	1 A			
ACC 4PS12	4 A			
ACC 4PS24	3 A			
ACC4 19IN	5 A @ 12 V; 7 A @ 24 V			
Current consumption	<u>12 V dc min</u>	<u>12 V dc max</u>	<u>24 V dc min</u>	<u>24 V dc max</u>
ACC 1	51 mA	240 mA	39 mA	173 mA
ACC 4 / ACC4 19IN	92 mA	634 mA	39 mA	393 mA
Cable	Controller to Controller	4 wires, twisted pair, shielded		
	Controller to Keypad	4 wires, twisted pair, shielded		
	Controller to PC (1 controller, max 15 m)	RS 232 cable supplied with ACP 4W		
Operating temperature	+5° to +40 °C			
Programming	<ul style="list-style-type: none"> <li>- Via keypad</li> <li>- Via hand-held terminal connected to the controller, plug-in connector (not with ACA 210)</li> <li>- Via application software in Personal computer (Windows)</li> <li>- Via modem and software in Personal computer (Windows)</li> </ul>			
Dimensions				
ACC 1	330 x 335 x 85 mm			
ACC 4	500 x 400 x 90 mm			
ACC4 19IN	494 x 437 x 134 mm			
Weight				
ACC 1PS	5 kg			
ACC 1	3.5 kg			
ACC 4PS	9.5 kg			
ACC 4	6 kg			
ACC419IN	10.2 kg			
Communication	Current loop 20 mA (with controller)			
Memory size	<u>Cards and codes</u>	<u>Last events*</u>	<u>With ACA 210</u>	
ACC 1	3.780	100-250	900-1550	
ACC 4 / ACC4 19IN	6.898	100-250	900-1550	
On-board ports	<u>Serial - printer</u>	<u>Serial - modem or PC</u>		
ACC 1	-	1		
ACC 4 / ACC4 19IN	1	1		

\* (logs - depends on type of events)

### → How to order

ACC 1PS12	Controller for one door, including housing and power supply 12 V dc
ACC 1PS24	Controller for one door, including housing and power supply 24 V dc
ACC 1	Controller for one door, including housing
ACC 4PS12	Controller for four doors, including housing and power supply 12 V dc
ACC 4PS24	Controller for four doors, including housing and power supply 24 V dc
ACC 4	Controller for four doors, including housing
ACC 419IN	Controller for four doors, including wall or 19" rack mount housing and 12V/24V dc power supply
ACC 4IP	Controller for four doors including wall or 19" rack mount housing, 12V/24V dc power supply and integrated RS232-TCP/IP Converter for direct connection to the Ethernet (see separate leaflet for more detailed information)
ACC 4MAX	Controller for four doors including wall or 19" rack mount housing, 12V/24V dc power supply and integrated PC board with pre-installed software(see separate leaflet for more detailed information)
<b>Accessories</b> (see separate leaflet for more detailed information)	
ACA 101	Relay card for expansion of inputs and outputs
ACA 102	Wiegand interface
ACA210	Memory expansion kit for logging of more than 300 events (not required if online with PC)
BS 127	7.2 Ah battery for backup of power supply in the local controller (max. two per housing)
BS 122	2 Ah battery for backup of power supply in the local controller (max. two per housing) for the ACC4 19IN

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