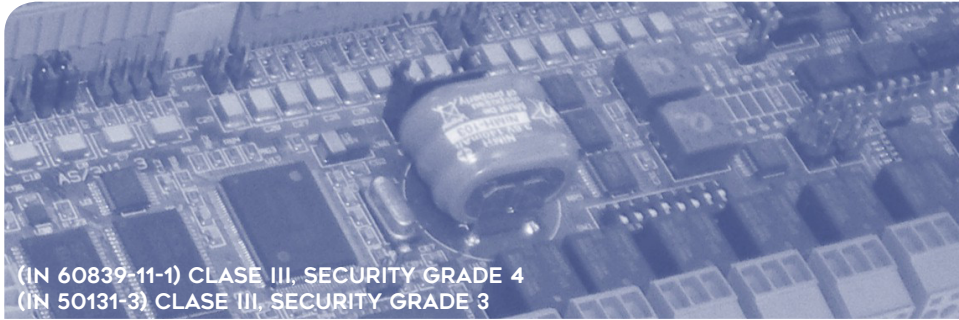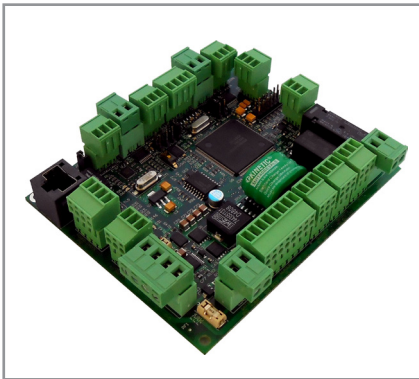# ASD/1 CONTROLLER
CONTROLLER FOR ACCESS CONTROL AND SIGNAL INTEGRATION

D1211000

DORLET

(IN 60839-11-1) CLASE III, SECURITY GRADE 4
(IN 50131-3) CLASE III, SECURITY GRADE 3

◆ ASD/1 CONTROLLER

DORLET ASD/1 controller is a high-range controller for acces control and signal integration. It allows the connection of 1 door with a unique reader and control of all the door signals (magnetic contact, exit button and electric strike).

This working mode of the controller can be changed. It also includes supervised imputs and outputs, direct connection to ethernet (10/100 Mbps), high processing speed and high memory capacity of program and data storage. It can be supplied to 220 VAC or POE+ (Power Over Ethernet) depending on the model of controller.
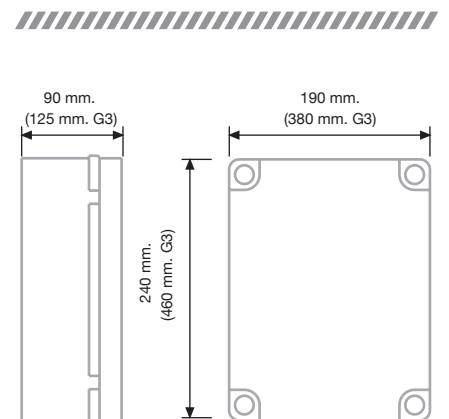
The most common applications of the ASD/1 controller are:

- Access control, parking and capacity control.
- Time & Attendance.
- Intrusion and technical alarm control.
- Lift management.

The entire gonfiguration of the controller (parameters, cards, rights, timetables, transactions, etc...) is stored in its internal memory, making this an extremely fast operating system, in on-lin mode and stand-alone mode as well.

FEATURES

•1 reader for access control and/or time attendance and one auxiliary RS232 input to connect license plate readers, printers, displays...

•High capacity: 100.000 employee cards, 2500 visitor cards, 10.000 license plates, 10.000 access transaction logs, 1.000 alarm transaction logs...

•1 output (configurable) for electronic lock.

•1 magnetic contact for readers, 1 exit button imputs for door opening and 1 input for reader inhibition.

•4 supervised inputs for general purpose (with stand by detection, alarm, short-circuit, open circuit, antimasking and sensor failure), 1 of them configurable as analogue.

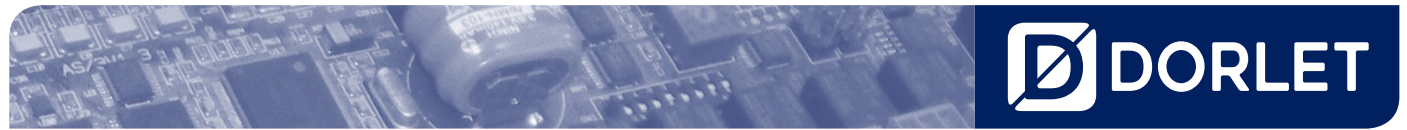•3 digital outputs for general purpose, 1 of them by relay .

90 mm.
(125 mm. G3)

190 mm.
(380 mm. G3)

240 mm.
(460 mm. G3)

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◆ ASD/1 CONTROLLER

CERRADURAS TORNOS BARRERAS AUTOMATISMOS

LECTORES DE MATRÍCULAS

ENTRADAS DIGITALES Y ANALÓGICAS
- Intrusión
- Alarmas técnicas
- Sensores analógicos
- ...

COM. TCP-IP
COM. RS232

LECTORES
- Proximidad
- Biométricos
- Teclados
- ...

SALIDAS DIGITALES
- Intrusión
- Iluminación
- Actuaciones
- ...
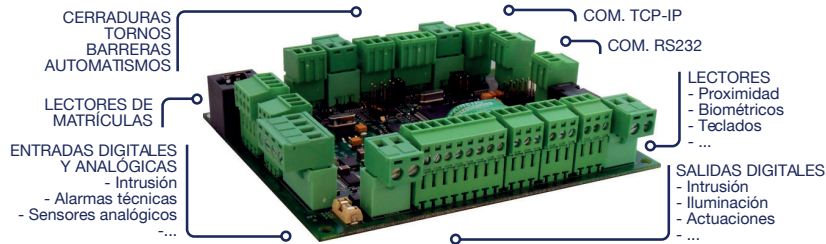
The ASD/1 contoller centralizes all access control signals (readers, locks, sensors...). The electrical supply for the devices is provided by the controller and most of the cases no additional suplly source is required.

ALIMENTACIÓN (220 VAC)

COMUNICACIONES

ENTRADAS ALARMA SUPERVISADAS (X4)

ENTRADAS ALARMA SUPERVISADAS (X4)

CPU ASD/1

SALIDAS DIGITALES (X3)

CONTACTO MAGNÉTICO

LECTOR MURAL (ENTRADA)

PUERTA

CERRADERO

PULSADOR (SALIDA)

1 PUERTA CON LECTOR DE ENTRADA Y SALIDA POR PULSADOR

◆ CERTIFICATIONS

ASD/1-G fullfills norms UNE-EN 60839 Grade 4 (access control) and UNE-EAN 50131 Grade 3 (intrusion).

	UNE-EN 60839 GRADE 4	UNE-EN 50131 GRADE 3	TAMPER BOX	TAMPER LID	POWER SUPPLY GRADE 3	BATTERY 12 VDC
ASD/1:	No	No	No	No	No	No
ASD/1-PoE+:	No	No	No	No	No	No
ASD/1-G:	Yes	Yes	Yes	Yes	Yes	Yes

FEATURES

Box tamper: the box has a tamper for detecting if the box is being removed from the wall.

Box tamper: the box has a tamper for detecting if the lid has been opened.

Grade 3 power supply: power supply with 220 VAC loss detection, low battery, battery error, low output tension and power supply error, fullfilling norm UNE-EN 50131.

12VDC battery supply: G model comes with a 12VDC and 7,2 Ah security battery, assuring that the controller will work for at least 4 more hours since the power cut.
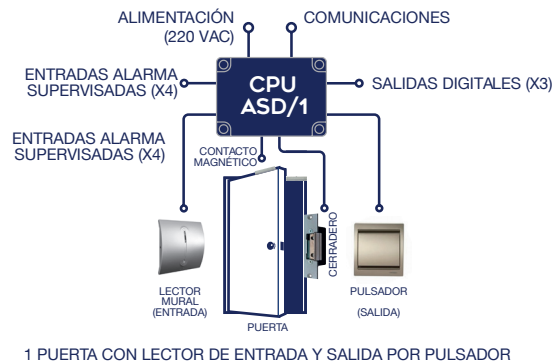
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ASD/1 CONTROLLER
CONTROLLER FOR ACCESS CONTROL AND SIGNAL INTEGRATION

D1211000

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◆ ASD/1 CONTROLLER

◆ PHYSICAL	ASD/1	ASD/1-PoE+	ASD/1-G
Box dimensions:	240 x 190 x 90 mm.	240 x 190 x 90 mm.	460 x 380 x 125 mm.
ASD/1 board dimensions:	100 x 124 x 30 mm.	100 x 124 x 30 mm.	100 x 124 x 30 mm.
Power supply dimensions:	82 x 99 x 36 mm.	100 x 50 x 30 mm.	100 x 213 x 40 mm.
Controller weight:	3,5 kg.	3,5 kg.	5,0 kg. (with battery)
Protection:	IP56	IP56	IP56

◆ POWER SUPPLY			
Power supply imput:	88-264 VAC, 47/63 Hz.	PoE (IEEE® 802.3af/at)	88-264 VAC, 47/63 Hz.
*Power supply available for readers and locks.	35 Watt.	22 Watt.	100 Watt.
Power supply output:	5 VDC. and 12 VDC.	5 VDC. and 12 VDC.	5 VDC. and 12 VDC.
Battery output:	Yes (13,8 VDC.)	No	Yes (13,8 VDC.)
Grade 3 signal:	No	No	Yes

◆ COMMUNICATIONS

TCP-IP:	10/100 Mbps., connector RJ-45, TELNET server for communications configuration.
Encription:	AES-128

◆ ELECTRONICS:

Microcontroller:	Renesas RX63N
Specifications:	96 MHz., 32 bits core
Memory:	RAM 8 Mbyte.
Program memory:	Flash 768 Kbytes.
Data retention:	Battery to preserve RAM (1 month)
Remote update:	Yes (through TCP-IP)
Clock:	In real time

◆ IMPUTS AND OUTPUTS

Reader imputs:	1 (door with just entry)
Auxiliary imputs:	1 RS232 (car license plates, printers tickets, displays...)
Digital imputs:	3 (1 push button, 1 magnetic contact, 1 reader inhibition) and 1 tamper
Supervised digital inputs:	4 (1 of these can be configured as analogue)
Lock outputs:	1 (configurable NO/NC and with/without voltage)
Digital outputs:	3 (1 by relay)
Power supply output:	2 (5 VDC. and 12 VDC for sensor supply)
Bus extension:	I2C (for I/O extension boards)

◆ CAPACITIES

- Employee cards: 100.000
- Visitor cards: 2.500
- Vehicle license plates: 10.000
- Access transaction logs: 1.000
- Alarm transaction logs: 1.000
(Standard capacities, consult other configurations).

- Timetableswith 3 type of days
- Extended timetables with 7 type of days
- Alarm timetables
- Automatic opening timetables
- PIN removal timetables

The controller box has a space to store a 12 VDC and 7,2 Ah battery (supplied with the 3G version).

In G3 version the power supply provides low battery, battery error, low output voltage and power supply error signals.

The controller provides the power supply for readers as well as locks and associated sensors (consult the consuption of each element).

The controller allows reprogramming, updating and changing its FLASH memory through TCP-IP.

The inputs and outputs can be distributed depending on the controller´s configuration (barriers, turnstiles...) thus allowing the control of traffic lights, induction loops... Consult the instalation manual for the different possible configurations.

Supervised imputs allow the detection of short-circuit, antimasking, sensor error, open-circuit, stand by and alarm.

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