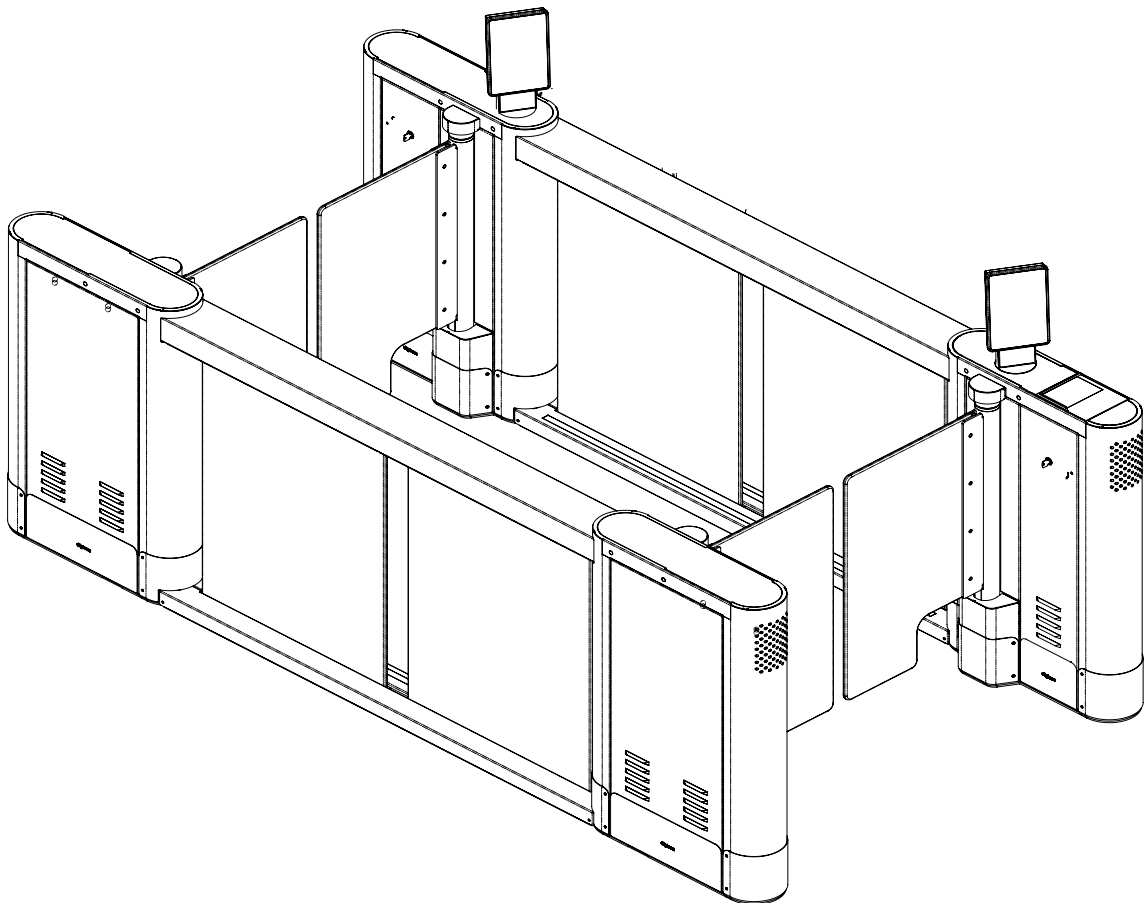




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Note: If you wish to obtain the history of all versions of this manual, please contact your representative or Digicon directly.

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 **ATTENTION!:** After the product's useful life, dispose of it according to the National Waste Policy.

- Disposal should not be in regular waste as it can cause harm to the environment and human health.
- You can send it to one of our addresses in Gravataí/RS or Barueri/SP, or dispose of it at a local selective collection site in your area.

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1. Presentation

Recognizing the important role that integrators play in the dPass equipment, technical mechanical and electronic information has been grouped to facilitate the access control integration process.

Methods of mounting, connecting, and configuring will be addressed in a detailed and illustrative manner.



2. Security Instructions

2.1 Symbols

You will find the symbols below in the Installation Manual. They indicate important Caution and Warning notices regarding safety, product, operation, and maintenance of the equipment(s).

 **ATTENTION!:** Describes something important that should be known by the **qualified technical professional** and the user

 **CAUTION - RISK OF INJURY/HARM!:** Describes situations of risk that can lead to injury and/or harm.

 **CAUTION - RISK OF DEATH!:** Describes high-risk situations that can lead to death. These cases are related to interaction with the internal parts of the equipment, and it is advisable to use a **qualified technical professional**.

Read and keep the instructions in this manual: Read and keep this Installation Manual for future reference. Carefully read all safety, unpacking, Product, operation, and maintenance instructions before operating this equipment.

Follow the instructions and heed the caution and warning notices: Follow all installation, operation, and maintenance instructions. Pay attention to all caution, care, and precautionary warnings in the operating instructions, as well as those affixed to this equipment. Caution and care warnings are essential for the protection of the user and qualified technical professional, as well as for the longevity of equipment use.

2.2 Terminology

The terms defined below are used in this document. The definitions provided are based on those found in safety standards:

Qualified Technical Professional: The term **Qualified Technical Professional** applies to individuals trained and certified by Digicon who are authorized to install, replace, or provide technical support for their equipment. It is recommended that the qualified technical professional use their experience, technical skills, and best practices to prevent potential injuries to themselves and others in restricted access areas. This approach should be taken to mitigate risks and also to extend the equipment's lifespan.



ATTENTION!: Installation and/or maintenance provided by a non-qualified technician may void the equipment's warranty terms.

User: The term "user" applies to individuals who are not qualified technical professionals and use the equipment.

2.3 Risks

The safety information and warnings provided below are intended to protect you from injury and prevent damage to the equipment.

Children and individuals needing assistance may be unable to assess the risks associated with using the equipment, which could result in injury or life-threatening situations. Special attention should also be given to animals near the equipment.

Below we will mention risks that should be noted in various situations;

2.3.1 Risk of unpacking the equipment:



ATTENTION!:

- Always use the appropriate tools.
- Always use the necessary PPE (Personal Protective Equipment) such as gloves, safety shoes, and goggles for protection.



CAUTION - RISK OF INJURY/HARM!

- Caution when handling equipment packaging, as it is made of wood and may splinter.
- The packaging is heavy; take care to prevent it from tipping over, as it could cause injuries and damage to the equipment.
- The packaging construction involves thin steel blades that can cause cuts and injuries.
- Be careful when removing the lid of the packaging, as it may fall and cause injuries or damage to the equipment.
- To remove the screws securing the equipment to the base of the packaging, the glass side doors must be removed. Handle them carefully and place them in a secure location.
- Be cautious with your hands and feet when removing the equipment from the base of the packaging and positioning it in the installation area.

2.3.2 Risks during equipment installation:



ATTENTION!:

- All installation steps must be performed by a qualified technical professional using appropriate tools and PPE (Personal Protective Equipment). Before connecting the electrical power, conduct a detailed inspection of the installation. Always perform handling/installation tasks with two people. Overweight items may cause damage or injury.



CAUTION - RISK OF INJURY/HARM!:

- Be careful when positioning this equipment at the installation site, as its size and weight can cause injuries.
- During the initial operation phase, the doors may move. Keep the passage area clear to prevent them from colliding with objects and people.
- Risk of falling during sensor installation.



CAUTION - RISK OF DEATH!:

- This equipment operates with dangerous electrical voltages. To prevent the risk of electric shock, installation must be carried out exclusively by a qualified technical professional.
- Before proceeding with any procedure, make sure that the electrical power is turned off.

2.3.3 Risks during equipment use:



CAUTION - RISK OF INJURY/HARM!

- Caution, this is an access control equipment, the doors may close in certain situations. The impact of the doors with the human body can cause bruises and even fractures.



CAUTION - RISK OF DEATH!:

- Children and individuals needing assistance should be constantly supervised, as they may be unable to assess the risks associated with using the equipment, which could lead to injury or life-threatening situations.

2.3.4 Risks during equipment maintenance

**ATTENTION!:**

- All maintenance steps must be performed by a qualified technical professional using appropriate tools and PPE (Personal Protective Equipment).

**CAUTION - RISK OF INJURY/HARM!:**

- Be careful with your hands and fingers during the maintenance process, as the door movement mechanisms can cause serious injuries.

**CAUTION - RISK OF DEATH!:**

- The equipment has several glass parts. Always wear protective glasses.
- Before carrying out any procedure, make sure that the electrical power is turned off.
- Failure to comply with the above recommendations can result in serious injuries and risk of death.

2.3.5 Risks during equipment cleaning process!:

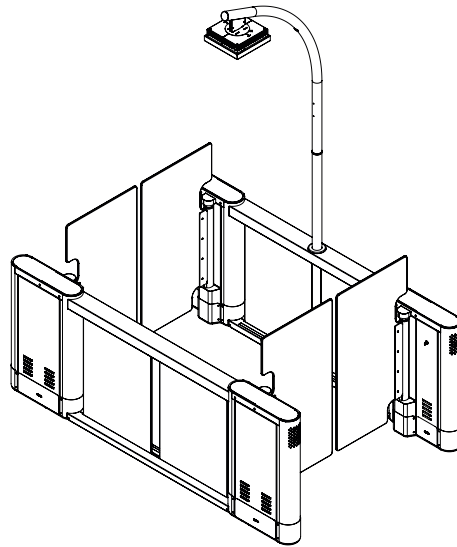
**ATTENTION!:**

- Use the necessary PPE (Personal Protective Equipment) such as gloves and protective goggles throughout the cleaning process.

**CAUTION - RISK OF INJURY/HARM!**

- Be cautious during the cleaning process, as the doors may close in certain situations. The impact of the doors with the human body can cause bruises and even fractures.

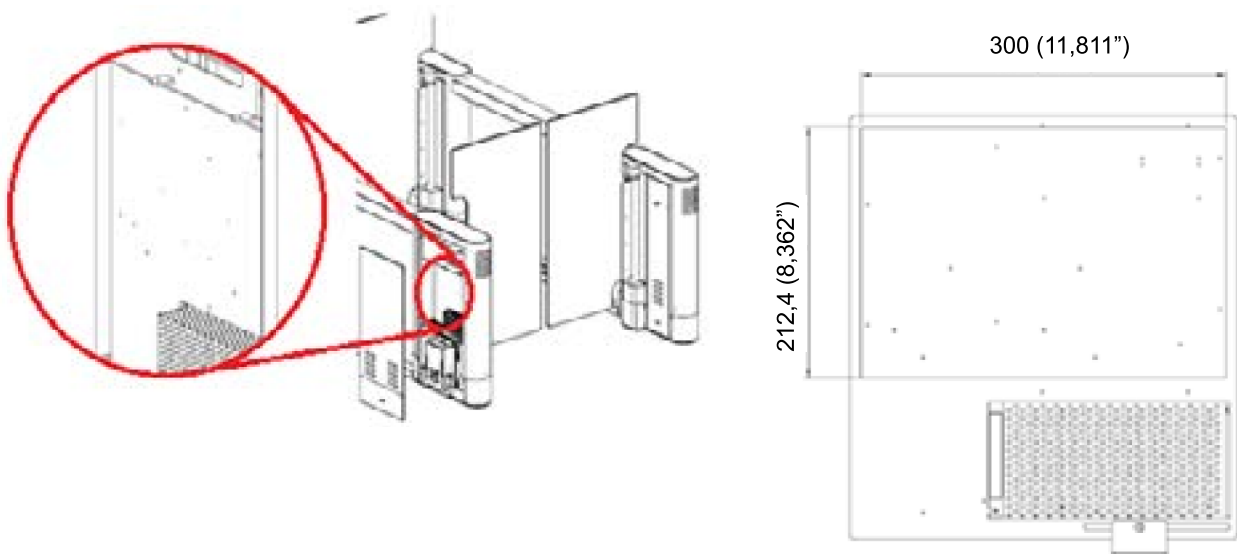
3. General Information



3.1. Dimensions

3.1.1 Area available for the integrator

A total space of 212.4 mm (8.362") x 300 mm (11.811") is available next to the R output panel at the rear.



⚠ ATTENTION! - The dPass package measures are illustrated in millimeters and inches.

3.2. Power Supply of the Controller Device

The power supply must meet the same parameters as the equipment (127V - 220V~) to be connected to the internal terminals. Any adaptation to provide power (plugs, connectors, and cables) is the responsibility of the integration partner.

4. Interfaces with dPass

The dPass has two interface methods with the integrator, which are:

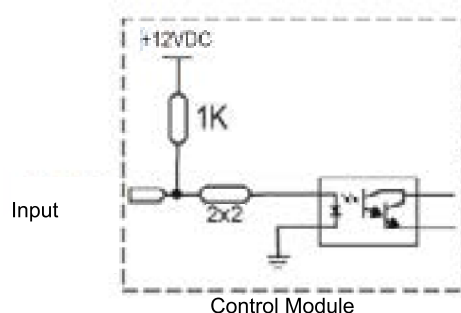
1. Digital signals or dry contact, described in chapter 4.1;
2. TCP/IP protocol via Ethernet interface, described in chapter 4.2.

4.1. Signal Interface

This interface can be activated by digital signals. The most common examples in this case are activations via transistor and relay (dry contact).

4.1.1. Input Activation Circuit

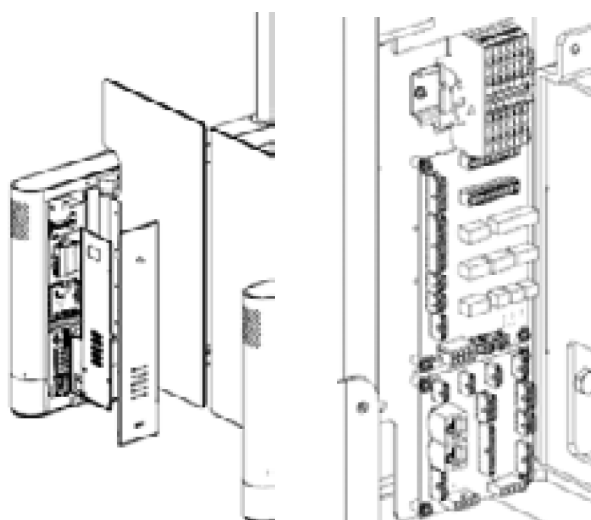
The circuit below describes how the input activation signal of the dPass module is read.



4.1.2. Integrator Board

On the integrator board, there are signals provided by the equipment for controlling the integrator's interface.

It can be found attached to the R output panel, as illustrated in the image below:



Connector	Description	Pin Number	Characteristics							
CN13	Enable entrance passage	Pin 1 = entrance	This connector has two functionalities: 1. If this terminal is triggered by a pulse >100ms, an entrance passage is enabled; 2. If the low voltage level (0V) is maintained on this connector for more than 3 seconds, dPass assumes the behavior of leaving this passage free, meaning it will no longer be necessary for the user to validate their passage.							
		Pin 2 = GND								
	Enable exit passage	Pin 3 = entrance	This connector has two functionalities: 1. If this terminal is triggered by a pulse >100ms, an exit passage is enabled; 2. If the low voltage level (0V) is maintained on this connector for more than 3 seconds, dPass assumes the behavior of leaving this passage free, meaning it will no longer be necessary for the user to validate their passage.							
		Pin 4 = GND								
CN14	LED output		LED operation color for entrance direction: When enabling an entrance passage, the color of the operating LEDs can be selected as shown below.							
			Green	Yellow	Blue	Orange	Light Blue	White	Purple	Pink
		PIN1	0	1	0	1	0	1	0	1
		PIN2	0	0	1	1	0	0	1	1
		PIN3	0	0	0	0	1	1	1	1
CN15	LED output		LED operation color for exit direction: When enabling an exit passage, the color of the operating LEDs can be selected as shown below.							
			Green	Yellow	Blue	Orange	Light Blue	White	Purple	Pink
		PIN1	0	1	0	1	0	1	0	1
		PIN2	0	0	1	1	0	0	1	1
		PIN3	0	0	0	0	1	1	1	1

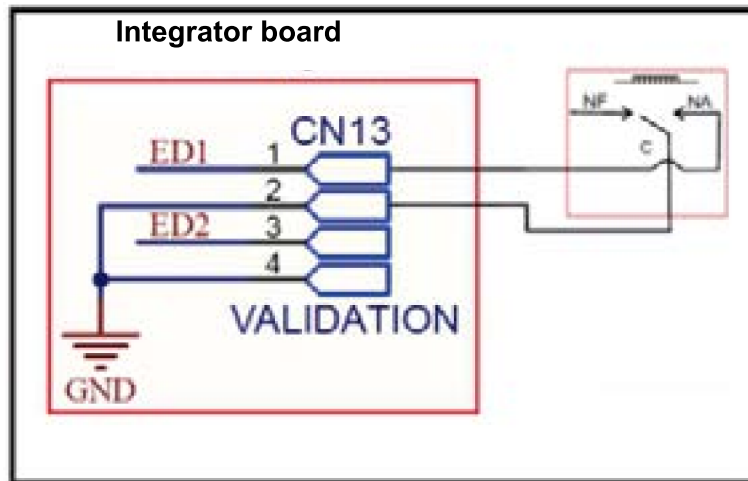
Connector	Description	Pin Number	Characteristics
CN16	Entrance alert signal	Pin 1 = Entrance	While pin 1 is at low voltage level (0V), the red operating LED will be activated.
		Pin 2 = GND	
	Exit alert signal	Pin 3 = Entrance	While pin 3 is at low voltage level (0V), the red operating LED will be activated.
		Pin 4 = GND	
CN18	Entrance lock	Pin 1 = Entrance	If the low voltage level (0V) is maintained on pin 1, the entrance orientation LEDs light up in red and dPass ignores any passage enable signal in the entrance direction, that is, any signal generated on pin 1 of the CN13 connector is disregarded.
		Pin 2 = GND	
	Exit lock	Pin 3 = Entrance	If the low voltage level (0V) is maintained on pin 3, the exit orientation LEDs light up in red and dPass ignores any passage enable signal in the exit direction, that is, any signal generated on pin 3 of the CN13 connector is disregarded.
		Pin 4 = GND	
	Emergency signal	Pin 5 = Entrance	The equipment will enter an emergency state, releasing the doors for evacuation.
		Pin 6 = GND	
	Generic input	Pin 7 = Entrance	Pin 8 = GND
		Pin 9 = Entrance	Pin 10 = GND
CN19	Generic input	Pin 1 = Input	Input available but not yet implemented
		Pin 2 = GND	
		Pin 3 = Input	Input available but not yet implemented
		Pin 4 = GND	
		Pin 5 = Input	Input available but not yet implemented
		Pin 6 = GND	
		Pin 7 = Input	Input available but not yet implemented
		Pin 8 = GND	
		Pin 9 = Input	Input available but not yet implemented
		Pin 10 = GND	

Connector	Description	Pin Number	Characteristics
CN10	VCC	Pin 1 = Input	Power supply 12VDC
		Pin 2 = GND	
CN11	VCC	Pin 1 = 12V	Power supply 12VDC
		Pin 2 = GND	
CN12	VCC	Pin 1 = 12V	Power supply 12VDC
		Pin 2 = GND	
CN9	Generic output	Pin 1 = 12V	Output available but not yet implemented
		Pin 2 = Output	
		Pin 3 = 12V	Output available but not yet implemented
		Pin 4 = Output	
CN17	Entrance passage return	Pin 3 = Output	This connector generates a signal when the user makes a passage in the entrance direction. (According to 4.1.5)
		Pin 4 = GND	
	Exit passage return	Pin 1 = Output	This connector generates a signal when the user makes a passage in the exit direction. (According to 4.1.6)
		Pin 2 = GND	
	Invalid entrance passage return	Pin 7 = Output	This connector generates a signal when an invalid user makes a passage in the entrance direction. (According to 4.1.7)
		Pin 8 = GND	
	Invalid exit passage return	Pin 5 = Output	This connector generates a signal when an invalid user makes a passage in the exit direction. (According to 4.1.8)

4.1.3. Activation via dry contact

To enable one of the inputs on the control board via dry contact, the connection must be made to the connector as shown in the example below:

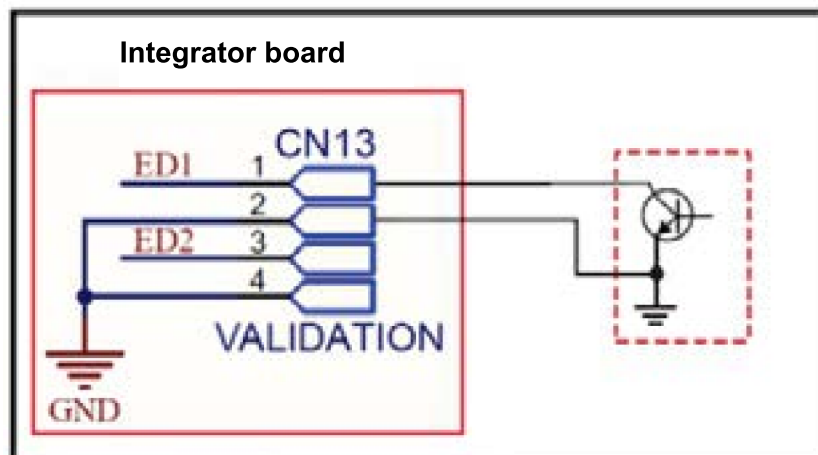
Example: Circuit connected to the entrance passage enable connector.



4.1.4. Activation via transistor (NPN)

To enable one of the inputs on the integrator board using a transistor output (open collector), the connection must be made to the connector as shown in the example below:

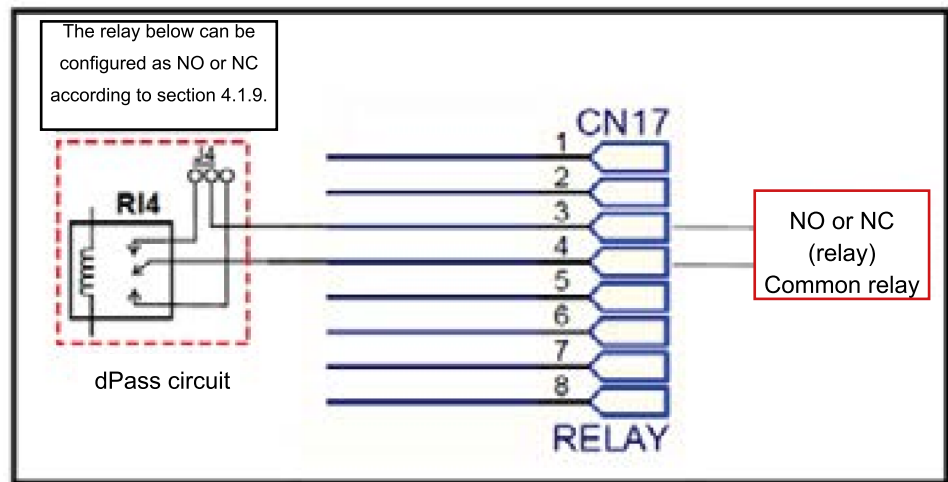
Example: Circuit connected to the entrance passage enable connector.



4.1.5. Entrance passage return

Pins 3 and 4 of connector CN17 on the integrator board are connected to a relay that is activated when a complete passage through the equipment occurs.

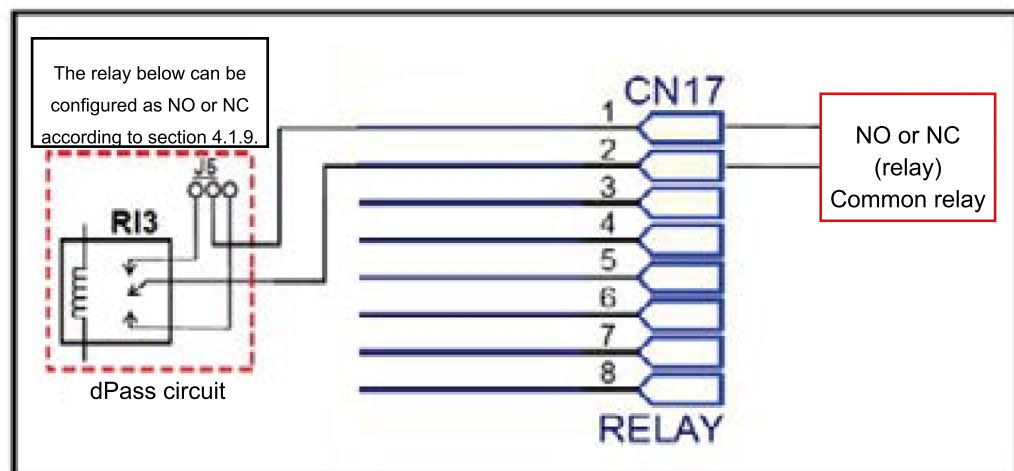
The diagram below illustrates how the integrator should use this connector:



4.1.6. Exit passage return

Pins 1 and 2 of connector CN17 on the integrator board are connected to a relay that is activated when a complete passage through the equipment occurs.

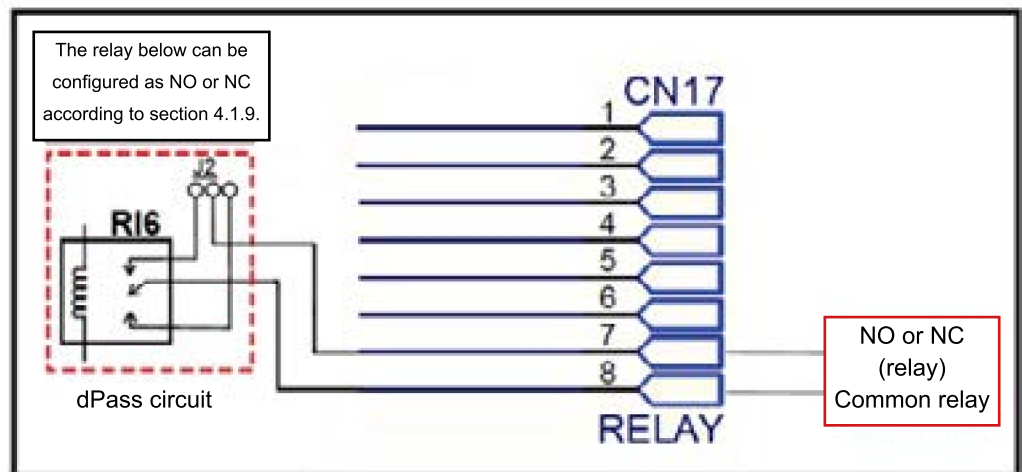
The diagram below illustrates how the integrator should use this connector:



4.1.7. Invalid entrance passage return

Pins 7 and 8 of connector CN17 on the integrator board are connected to a relay that is activated when an invalid passage through the equipment occurs.

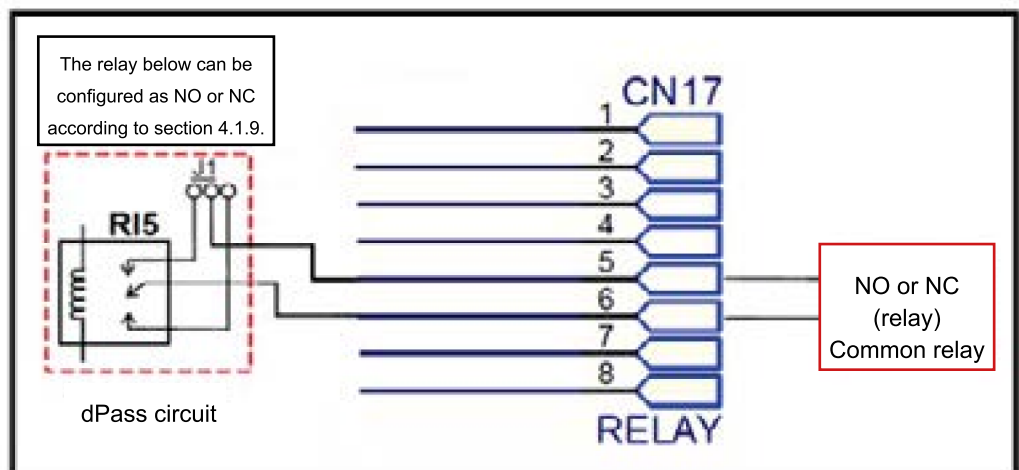
The diagram below illustrates how the integrator should use this connector:



4.1.8. Invalid exit passage return

Pins 5 and 6 of connector CN17 on the integrator board are connected to a relay that is activated when an invalid passage through the equipment occurs.

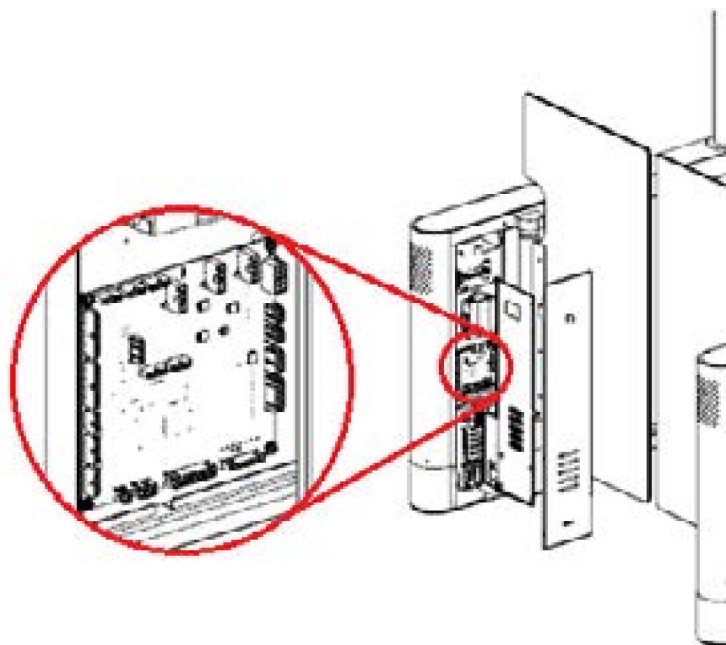
The diagram below illustrates how the integrator should use this connector:



4.1.9. Relay jumper configuration

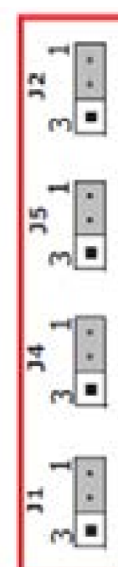
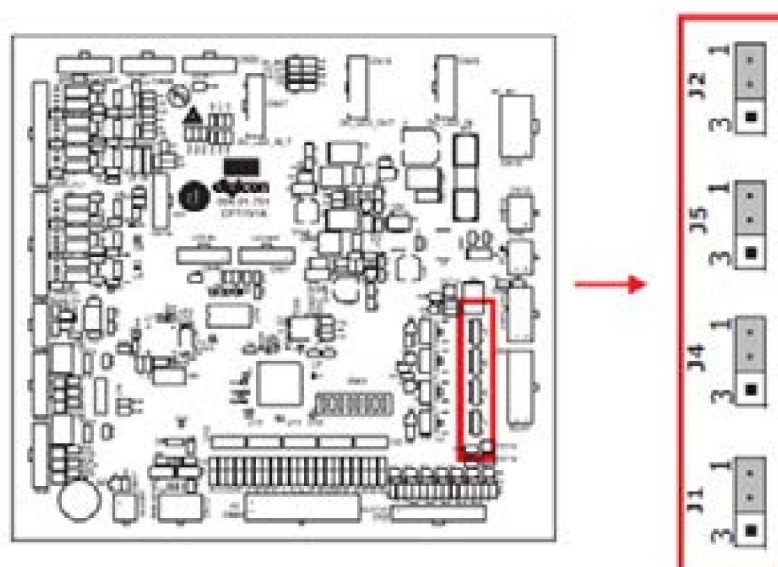
To configure the relays from Normally Open (N.O.) to Normally Closed (N.C.), follow the steps below:

Open the access cover to the dPass panel and locate the control board.



Locate jumpers J1, J2, J3, and J4 on the control board.

- For N.O. configuration: Connect between pins 1 and 2
- For N.C. configuration: Connect between pins 2 and 3



4.2. TCP/IP Interface

The dPass has a server accessible via port 9006, through which the integrator can communicate with the equipment. This section describes the macrodefinitions that outline the operation of this protocol.

4.2.1 Protocol Revision Encoding

The version number is divided into four parts (A.B.C.D), described as follows:

- A.** Product Identification: This field identifies the type of product in question, in this case, 18 - dFlow Protocol.
- B.** Generation/Protocol: Incremented when a new version (product generation or architecture) breaks compatibility with the previous one.
- C.** Update/Functional: Incremented when there are new implementations/functional updates without losing compatibility with the previous version.
- D.** Bugs: Incremented when bug fixes are made.

4.2.2 Architecture

The TCP/IP communication is asynchronous and features two (2) communication channels:

- Channel 1 will handle command sending.
- Channel 2 will handle event receiving.

All numerical data presented (Int and Short) follow Little Endian notation.

4.2.3. Standard Message Structure

All communication between the Integrator and dPass includes a standard header, described below:

Bytes	Data Type	Value	Parameter Description
1	Byte	MSG_ID	Message Code/Type: 0x01(01) - Authenticate 0x02(02) - ExecuteAccess 0x03(03) - SendEvent 0x04(04) - ReturnCommand
1	Byte	0x06	Header byte count
4	Int		Command generation date on the device (number of seconds since 1970)
2	Short	PayLoad_Len	Number of bytes in the return data block
N	Byte	PayLoad	Return data block

4.2.4. Standard Command Sending Structure

Bytes	Data Type	Value	Parameter Description
1	Byte	0xXX	Command Identifier
1	Byte	0x06	Header Size
4	Int		Command generation date on the device (number of seconds since 1970-01-01 00:00:00 local time)
2	Short	PayLoad_Len	Number of bytes in the response data

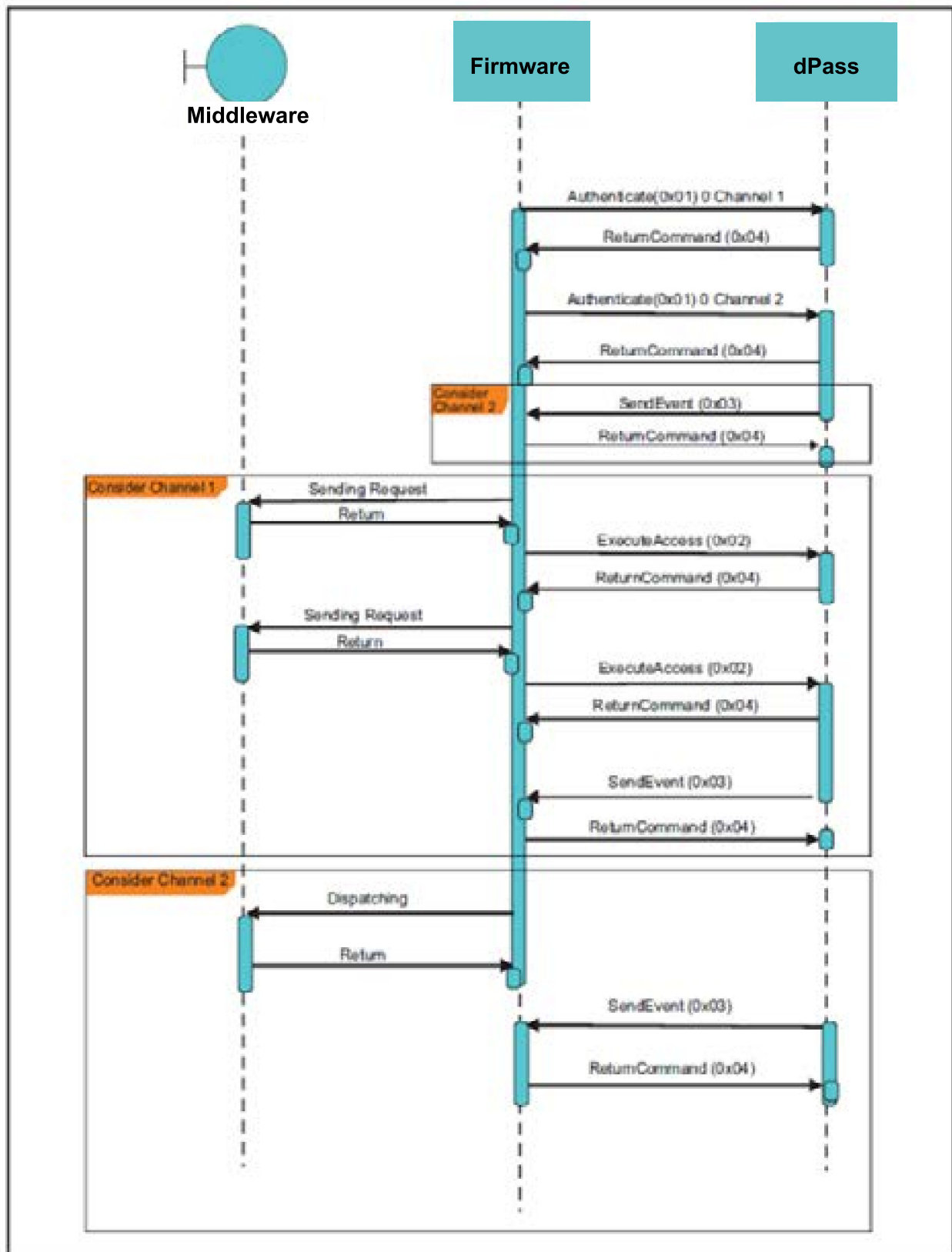
4.2.5. Standard Command Response Structure

All command response communications, from dPass to Integrator, have a standard header, described below:

Authenticite			
Bytes	Data Type	Value	Parameter Description
1	Byte	0xXX	Command Identifier
1	Byte	0x06	Header Size
4	Int		Command generation date on the device (number of seconds since 1970-01-01 00:00:00 local time)
2	Short		Number of bytes in the response data
1	Byte		Return Code, see Return Codes table
xx	Byte		Response Data

4.2.6. Communication Diagram

The diagram below shows the sequence of communication between the Integrator and the dPass Lock Server. The Middleware represents the application with business rules for access validation. This application interacts as an integrator while dPass acts as the server.



4.2.7. Commands

4.2.7.1. Authenticate

The authenticate command should be the first sent by the Digicon Access Firmware to the server. After the connection is ESTABLISHED, it will be necessary to authenticate both channels.

Authenticate			
Bytes	Data Type	Value	Parameter Description
1	Byte	0xXX	Command Identifier
1	Byte	0x06	Header Size
4	Int		Command generation date on the device (number of seconds since 1970-01-01 00:00:00 local time)
2	Short		Number of bytes in the response data
4	Int		Device ID [Digicon Access Firmware]
1	Byte		Channel ID
4	Int		Connection Timeout (in milliseconds)
4	Int		Protocol Version in use by the device

Authenticate			
Bytes	Data Type	Value	Parameter Description
1	Byte	0x01	Command Identifier
1	Byte	0x06	Header Size
4	Int		Command generation date on the device (number of seconds since 1970)
2	Short		Number of bytes in the response data
1	Byte		Return Code, see Return Codes table
4	Int		Protocol Version in use by dPass

4.2.7.2. KeepAlive

The keepAlive command is sent from the dPass server to the clients connected to it. This command is used to keep the connection active with the clients.

KeepAlive			
Bytes	Data Type	Value	Parameter Description
1	Byte	0x03	Command Identifier
1	Byte	0x06	Header Size
4	Int		Command generation date on the device (number of seconds since 1970)
2	Short	0x00	Number of bytes in the response data

ReturnCommand			
Bytes	Data Type	Value	Parameter Description
1	Byte	0x03	Command Identifier
2	Short	0x06	Header Size
4	Int		Command generation date on the device (number of seconds since 1970)
2	Short		Number of bytes in the response data
1	Byte		Return Code, see Return Code table

4.2.7.3. ExecuteAccess

The ExecuteAccess command is sent by the Digicon Access Firmware through Channel 1 to the dPass when an access is identified at readers, card, person, or document.

ExecuteAccess			
Bytes	Data Type	Value	Parameter Description
1	Byte	0x02	Command Identifier
1	Short	0x06	Header Size
4	Int		Command generation date on the device (number of seconds since 1970)
2	Short		Number of bytes in the response data
1	Byte		Online/Offline Event (0=offline, 1=online)
1	Byte		Reader ID
1	Byte		Identifier Type [1=card, 2=person, 3=document]
23	Byte		If identifier type = 1, the first 5 bytes represent the identifier and the remaining bytes should be read and discarded, they become zeroed. If identifier type = 2, all 23 bytes will be filled. If identifier type = 3, use up to 5 bytes like card.
1	Byte		Card Level
1	Byte		Access Credit Range that was decremented
1	Byte		Number of Messages
1	Byte		Access Type: For valid access, follow TABLE 3, and other values are assumed to be denied.
1	Byte		Access Direction [1=entry, 2=exit]
1	Byte		Color Activation: see TABLE 2
16	Byte		Display: 1 First Line
16	Byte		Display: 2 Second Line
1	Byte		Number of Activations
1	Byte		Activation Type [1=access, 2=buzzer, 3=display]
4	Int		Activation Time

ReturnCommand			
Bytes	Data Type	Value	Parameter Description
1	Byte	0x04	Command Identifier
2	Short	0x06	Header Size
4	Int		Command generation date on the device (number of seconds since 1970)
2	Short		Number of bytes in the response data
1	Byte		Return Code, see Return Code table

4.2.7.4. SendEvent

The SendEvent command is an event upload command sent from the dPass Server to the Integrator.

SendEvent			
Bytes	Data Type	Value	Parameter Description
1	Byte	0x03	Command Identifier
1	Byte	0x06	Header Size
4	Int		Command generation date on the device (number of seconds since 1970)
2	Short	XX	Number of bytes in the command data. If zeroed (0x0000), it serves as keepAlive; if non-zero, it represents a valid event.
4	Int		Entry Date (number of seconds since 1970)
4	Int		Exit Date (number of seconds since 1970)
1	Byte		Online/Offline Event (0=offline, 1=online)
1	Byte		Reader ID
1	Byte		Identifier Type [1=card, 2=person, 3=document]

SendEvent			
Bytes	Data Type	Value	Parameter Description
23	Byte		If type = 1, Card, the first 5 bytes represent the identifier, and the remaining bytes should be read and discarded, becoming zeroed. If type = 2, Person, all 23 bytes will be filled. If type = 3, Document, use up to 5 bytes like Card.
1	Byte		Card Level
1	Byte		Access Credit Range that was decremented
1	Byte		Number of Messages
1	Byte		Access or Status Event Type (alarms), return the access type field and status from the ExecuteAccess command
1	Byte		Access Direction [1=entry, 2=exit]
1	Byte		dPass Identification ID
9	Byte		Code of up to 9 (nine) status occurrences as per the table

ReturnCommand			
Bytes	Data Type	Value	Parameter Description
1	Byte	0x04	Command Identifier
2	Short	0x06	Header Size
4	Int		Command generation date on the device (number of seconds since 1970)
2	Short		Number of bytes in the response data
1	Byte		Return Code, see Return Code table

4.2.8. Example

Below is an example of the sequence of commands exchanged between the Integrator controller and the dPass server.

Start authentication of both clients:

Authentication 1:

Client 1 sends authentication:

- Device ID [Integrator]: 5
- Channel ID: 1
- Connection Timeout (in milliseconds): 10
- Protocol Version in use by the device: 18.1.3.0

Frame in Hexadecimal:

0x01 0x06 0xb3 0xf6 0x00 0x58 0x0d 0x00 0x05 0x00 0x00 0x00 0x01 0x0a
0x00 0x00 0x00 0x12 0x01 0x03 0x00

Server sends authentication OK:

Frame in Hexadecimal:

0x01 0x06 0xb3 0xf6 0x00 0x58 0x04 0x00 0x00 0x12 0x01 0x03 0x00

Authentication 2:**Client 2 sends authentication:**

- Device ID [Integrator]: 5
- Channel ID: 2
- Connection Timeout (in milliseconds): 10
- Protocol Version in use by the device: 18.1.3.0

Frame in Hexadecimal:

0x01 0x06 0xb3 0xf6 0x00 0x58 0x0d 0x00 0x05 0x00 0x00 0x00 0x02 0x0a
0x00 0x00 0x00 0x12 0x01 0x03 0x00

Server sends authentication OK:

Frame in Hexadecimal:

0x01 0x06 0xb3 0xf6 0x00 0x58 0x04 0x00 0x00 0x12 0x01 0x03 0x00

Start Loop**KeepAlive:**

Server sends keepAlive:

Frame in Hexadecimal:

0x03 0x06 0xb8 0xf6 0x00 0x58 0x00 0x00

Client returns OK

Frame in Hexadecimal:

0x04 0x06 0xb8 0xf6 0x00 0x58 0x00 0x00 0x00

ExecuteAccess:

Client sends ExecuteAccess:

Online/Offline Event: 0

Reader ID: 2

Identifier Type: 1

Identifier Value: [34][35][36][00][00][00][00][00][00][00][00][00][00][00][00][00]
[00][00][00][00][00][00][00]

Card Level: 3

Access Credit Range Decrement: 4

Number of Messages: 2

Access Type: 1

Access Direction: 1

Color Activation: 53

Display 1: 'DISPLAY 1'

Display 2: 'DISPLAY 2'

Number of Activations: 3

Activation Type: 'n' activations

Frame in Hexadecimal: 0x02 0x06 0xb9 0xf6 0x00 0x58 0x41 0x00 0x00 0x02
0x01 0x34 0x35 0x36 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00
0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x03 0x04 0x02 0x01
0x01 0x35 0x44 0x49 0x53 0x50 0x4c 0x41 0x59 0x20 0x31 0x00 0x00 0x00
0x00 0x00 0x00 0x00 0x44 0x49 0x53 0x50 0x4c 0x41 0x59 0x20 0x32 0x00
0x00 0x00 0x00 0x00 0x00 0x00 0x03 0x01 0xb9 0xf6 0x00 0x58 0x02 0xb9 0xf6
0x00 0x58 0x03 0xb9 0xf6 0x00 0x58 0xe8 0x18 0xcf 0x7f 0xda

Server validates and returns OK

Frame in Hexadecimal:

0x04 0x06 0xb9 0xf6 0x00 0x58 0x00 0x00 0x00

SendEvent

Server sends SendEvent

Entry Date: 1476458169

Exit Date: 1476458170

Online/Offline Event: 0

Reader ID: 2

Identifier Type: 1

Identifier Value: [34][35][36][00][00][00][00][00][00][00][00][00][00][00][00][00]
[00][00][00][00][00][00][00]

Card Level: 3

Access Credit Range Decrement: 4

Number of Messages: 2

Access or Status Event Type: 1

Access Direction: 1

dPass Identification ID: 0

Frame in Hexadecimal: 0x03 0x06 0xba 0xf6 0x00 0x58 0x31 0x00 0xb9 0xf6
0x00 0x58 0xba 0xf6 0x00 0x58 0x00 0x02 0x01 0x34 0x35 0x36 0x00 0x00
0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00
0x00 0x00 0x03 0x04 0x02 0x01 0x01 0x00 0x00 0x00 0x00 0x00 0x00 0x00
0x00 0x00

Client sends OK:

Frame in Hexadecimal: 0x04 0x06 0xba 0xf6 0x00 0x58 0x00 0x00 0x00

4.2.9. Tables

4.2.9.1. Return Codes

Table of values assigned to the Return Code field:

Code	Value
0	Success
1	Failure
2	Busy
3	Not Implemented
4	Running
5	Software Version Error
6	Invalid Reader ID
7	Partially Executed
8	No Events in Queue
9	No Communication

4.2.9.2. Color Activation

The entry and exit colors are defined according to the ExecuteAccess command. The color codes are in ASCII.

Code	Color
0	Green
1	Yellow
2	Blue
3	Orange
4	Light Blue
5	White
6	Purple
7	Pink

4.2.9.3. Access and Status Types

Code	Value
0x01	Access
0x0a	Access Withdrawal
0x0c	Access Granted under Duress
0x0e	Access Allowed Outside of Rest Period
0x0f	Access Allowed by Bypass
0x22	Access Allowed for Accompanied
0x26	Access Allowed for Vehicle
0x2d	Access Allowed for Authorizer
0x3a	Access Allowed for Driver
0x67	dPass Controller Status

4.2.9.4. dPass Status Codes

Code	Value
01	Reader Instantiated (Active) with Reading Issues
02	Many Connection Attempts on TCP/IP Network
03	Possible Duplicate IP on Network
04	CPU Usage > 85%
05	RAM Usage > 85%
06	Access is Busy
07	User is Already Valid
08	Error Creating Access
09	New dPass

NOTES:

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