Pasillo PIR

P1
PIR
+5V
PIN_PIR
R9 220
PIR_LED
LED4 RED

Control Temperatura

P2
TEMP_PROBE
+5V
R10 4.7K
PIN_PROBE

Control Iluminacion LDR

+5V
R11 LDR07
PIN_LDR
R12 4.7K
LDR_LED
R13 220
LED5 RED

Aspersores Humedad

P3
DHT22
+5V
PIN_DHT22

Control Puertas Emergencia

+5V
KEY1
R1 1M
EMER_LED
R6 220
LED1 RED
CONTROL_EMER_DOOR

Control Aforo

+5V   +5V
KEY2 KEY3
R2 1M R3 1M
CONTROL_CAPACITY_IN
CONTROL_CAPACITY_OUT

Apertura Puertas Manual

+5V   +5V
KEY4 KEY5
R4 1M R5 1M
CONTROL_MANUAL_DOOR_IN
MANUAL_IN_LED
R7 220 R8 220
LED2 GREEN LED3 RED
MANUAL_OUT_LED
CONTROL_MANUAL_DOOR_OUT

Apertura Puertas RFID

P4
RFID
RFID_SDA
RFID_SCK
RFID_MOSI
RFID_MISO
RFID_RST
3.3V

S1
Arduino Mega

PIN_DHT22
PIN_PROBE
PIN_PIR
RFID_SDA
RFID_RST
MANUAL_OUT_LED
MANUAL_IN_LED
EMER_LED
LDR_LED
PIR_LED

13 D13
12 D12
11 D11
10 D10
9   D9
8   D8
7   D7
6   D6
5   D5
4   D4
3   D3
2   D2
14 TX3
15 RX3
16 TX2
17 RX2
18 TX1
19 RX1
1   TX
0   RX

AREF
IOREF
RESET
VIN
+5V 3.3V 3V3
5V
GND
A0
PIN_LDR A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15

SDA 20
SCL 21

Arduino MEGA

D22 22 CONTROL_EMER_DOOR
D23 23 CONTROL_CAPACITY_IN
D24 24 CONTROL_CAPACITY_OUT
D25 25 CONTROL_MANUAL_DOOR_IN
D26 26 CONTROL_MANUAL_DOOR_OUT
D27 27
D28 28
D29 29
D30 30
D31 31
D32 32
D33 33
D34 34
D35 35
D36 36
D37 37

53 D53
52 D52
51 D51
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48 D48
47 D47
46 D46
45 D45
44 D44
43 D43
42 D42
41 D41
40 D40
39 D39
38 D38

RFID_SCK
RFID_MOSI
RFID_MISO

TITLE: Sheet_1
REV: 1.0
Company: Your Company
Sheet: 1/1
Date: 2019-03-12
Drawn By: presmanes3
EasyEDA