



Freedhome

Panel-mounted device, 8 DIN modules,

It can be done in 4... in 16, the same device can independently control and/or respond to higher-level BEMS systems,

FREEDHOME 16x



- **Management of 16+4 relays:** ON/OFF via Web, API, rules, and scheduling; instantaneous switching; persistent state...
- **0-10V output control and 3-stepper-motor control (I2C, on-board)...**
- **Management of 28 inputs:** 4 local GPIOs, 16 via I2C expander (digital inputs), 4 analog inputs...
- **Scheduling:** 32 schedules (daily/weekly/monthly/custom), timed actions, sensor/tempControl triggers, custom HTTP...
- **Logic rules:** 32-rule engine running on-the-fly; conditions, state-change actions, web-based enable/disable...
- **Advanced multi-gateway DALI control:** individual and group control via interfaces for Dalcnet, Meanwell, TCP/IP, and Modbus gateways; custom HTTP control...
- **Web interface:** real-time lamp status, ON/OFF commands, dimming, groups, and scenes...
- **Intensity adjustment:** brightness slider, timed fading for lights/groups/scenes...
- **DALI logging:** command tracking (logs), gateway status feedback...
- **Automatic light switching:** programmable auto-timer, dawn, dusk...
- **Remote control:** individual or group control of lamps/groups/scenes via web/app/API...
- **IR control:** HVAC, split systems, MVHR (mechanical ventilation with heat recovery), multi-protocol Irac support...

- **Logging:** Event history (serial/file/remote), NTP time synchronization, watchdog monitoring...
- **Security:** Multi-user support, authentication, API keys, and backup/restore capabilities.
Custom hardware and software upgrades

Device customization to meet specific requirements,

Idea Dhome is a control system designed for everyone ; it is the first to combine cutting-edge technology with low costs and ease of use.

The solution integrates a powerful engine for the comprehensive management and control of residential, public, and industrial buildings, as well as hotels.

Remote control via smartphone and tablet allows you to monitor and manage all functions.

The Internet of Things (IoT) revolution merges with Idea Dhome technology across both public and private sectors—from large-scale urban infrastructure to small and medium-sized private enterprises.

Already established in the civil and industrial sectors, Idea Dhome utilizes new devices that interact with both modern and legacy network infrastructures and different segments of the automation market, ensuring maximum compatibility.

Welcome Control

05/03/2026 10:15:48 --
Giovedì



- Dash
- Relé
- Input
- Reg
- Schede
- Accessi
- Config
- 5
- E

Controlli

luce 1 GPIO ESP32 ON	luce 2 GPIO ESP32 OFF	luce 3 GPIO ESP32 OFF	Relay 4 GPIO ESP32 OFF	Relay 5 MCP23017 ON <small>virtuale</small>	Relay 6 MCP23017 OFF <small>virtuale</small>	Relay 7 MCP23017 OFF <small>virtuale</small>
Relay 8 MCP23017 OFF <small>virtuale</small>	Relay 9 MCP23017 OFF <small>virtuale</small>	Relay 10 MCP23017 OFF <small>virtuale</small>	Relay 11 MCP23017 OFF <small>virtuale</small>	Relay 12 MCP23017 OFF <small>virtuale</small>	Relay 13 MCP23017 OFF <small>virtuale</small>	Relay 14 MCP23017 OFF <small>virtuale</small>
Relay 15 MCP23017 OFF <small>virtuale</small>	Relay 16 MCP23017 OFF <small>virtuale</small>	Relay 17 MCP23017 OFF <small>virtuale</small>	Relay 18 MCP23017 OFF <small>virtuale</small>	Relay 19 MCP23017 OFF <small>virtuale</small>	Relay 20 MCP23017 ON <small>virtuale</small>	


Qualità dell'Aria (CCS811)

eCO2 (Equivalente CO2)	1105 ppm
TVOC (Composti Organici Volatili)	107 ppb

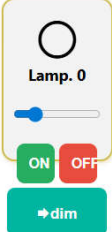
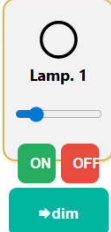
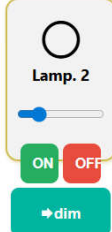
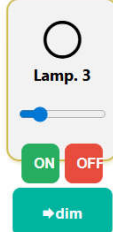
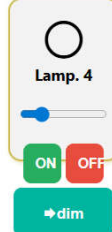
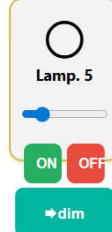
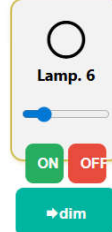
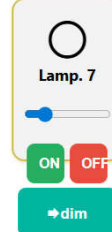
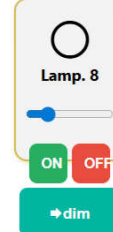
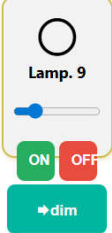

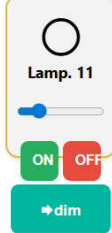
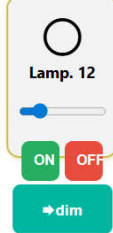
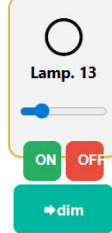
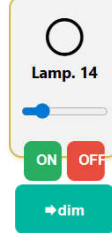
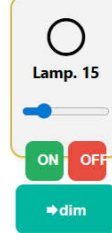
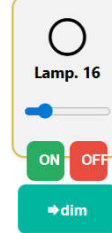
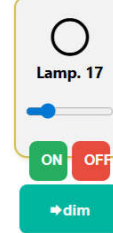
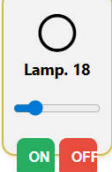
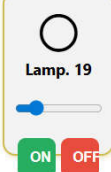
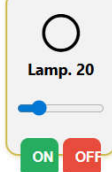
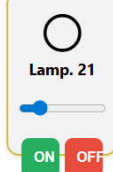
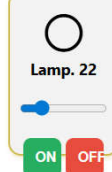
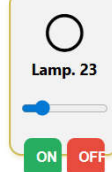
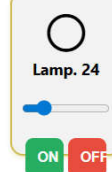
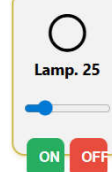
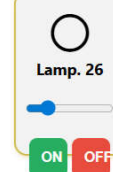
Sensori Analogici

PIR (Sensore Movimento)	0
LDR (Luminosità)	691

Sensori

Temp ambiente	26.0°C 48.1% RH
temp h2o	23.6°C
LUX-bh	538 lux
Presenza	 No Person

LAMPADE DALI



Stato Luci DALI

Gateway: 192.168.1.4:23
Ultimo aggiornamento: --

GRUPPI DALI

Gruppo 0 [Slider] ON OFF → dim	Gruppo 1 [Slider] ON OFF → dim	Gruppo 2 [Slider] ON OFF → dim	Gruppo 3 [Slider] ON OFF → dim	Gruppo 4 [Slider] ON OFF → dim	Gruppo 5 [Slider] ON OFF → dim	Gruppo 6 [Slider] ON OFF → dim	Gruppo 7 [Slider] ON OFF → dim	Gruppo 8 [Slider] ON OFF → dim
Gruppo 9 [Slider] ON OFF → dim	Gruppo 10 [Slider] ON OFF → dim	Gruppo 11 [Slider] ON OFF → dim	Gruppo 12 [Slider] ON OFF → dim	Gruppo 13 [Slider] ON OFF → dim	Gruppo 14 [Slider] ON OFF → dim	Gruppo 15 [Slider] ON OFF → dim		

Split IR

Marca/Protocollo

20 - MITSUBISHI_AC

Modello

1

Modalità

Raffresca

Temperatura (°C)

25

Velocità Ventola

Auto



Accesso

Invia Comando IR

SPEGNI CONDIZIONATORE



Regole

Il sistema regole permette di automatizzare azioni basate su condizioni.

Stato: ● **DISATTIVO**

Abilita

Regole Attive (Totale: 0)

Nessuna regola configurata

+ Aggiungi Regola

Soglie Sensori

⚙ Configura Soglie

Guida Sintassi Regole

Sintassi	Descrizione	Esempio
se01on	Relè 1 ON	Controlla stato relè
seI5on	Input 5 ACTIVE	Controlla stato input



Schedulazione

Programma accensione/spengimento automatico dei relè in base a giorno e ora.

Stato: ● **DISATTIVO**

Ora corrente: 05/03/2026 10:17:48 - Giovedì

Abilita

Programmazioni Attive (Totale: 0)

Nessuna programmazione configurata

+ Aggiungi Programmazione

i Guida

Le programmazioni consentono di accendere/spengere i relè automaticamente in base a giorno e ora.

- Puoi creare fino a 32 programmazioni
- Ogni programmazione può essere attiva su uno o più giorni della settimana
- Precisione: 1 minuto
- Il sistema usa NTP per sincronizzare l'ora

Sensori Attivi

Temp ambiente

26.1°C | 48.0% RH

temp h2o

23.7°C

LUX-bh

538 lux

Presenza

 No Person

Statistiche Sistema

LOGIN

IAQ MWF-2-16

Username

Password

Login

info@ideaopen.it

user credentials

user user123

administrator credentials

admin admin123

Access Point Fallback

Abilita AP se WiFi fallisce

AP SSID AP Password

ssid: **mac address ... 192.168.4.1**

password: **admin1234**