

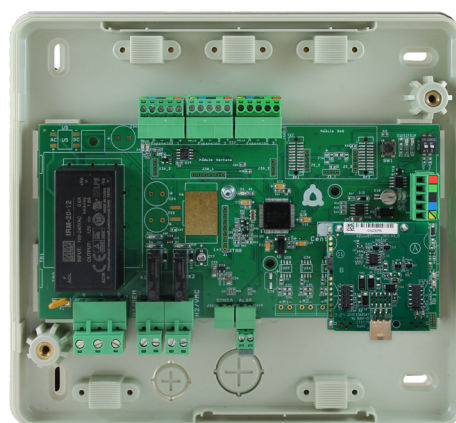
## AZVAFCB2HAI - Control board with Haier communication

|                  |               |
|------------------|---------------|
| Location:        | Approval:     |
| Engineer:        | Date:         |
| Submitted to:    | Construction: |
| Submitted by:    | Unit #:       |
| Reference:       | Drawing #:    |
| Additional Info: |               |

### MODEL DESCRIPTION

Configurable electronic board with a communication gateway, that controls the system through wired and wireless devices. Externally powered at 110/230 Vac. Wall mounted. Functionalities:

- Controls the status of the thermostats (up to 10 zones).
- Controls the proportionality and the minimum air supply of the dampers.
- Control of optional auxiliary heat (up to two stages).
- Management of the control gateway.
- Communication with units of integral control of the installation.
- Communications with other external control systems through integration bus.



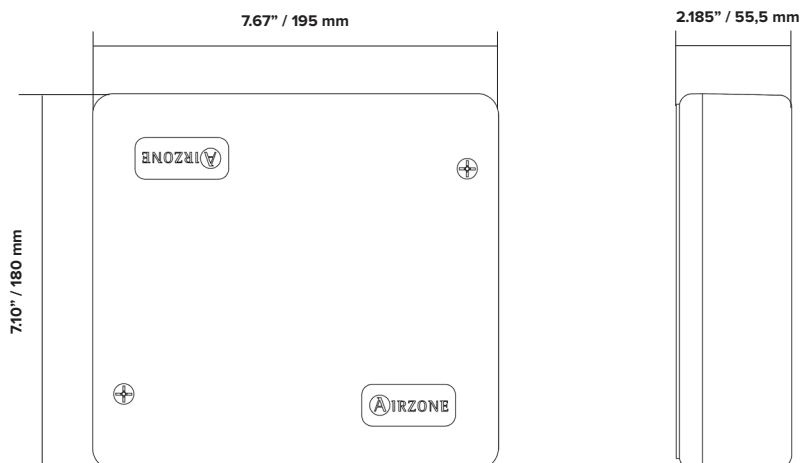
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### TECHNICAL SPECS

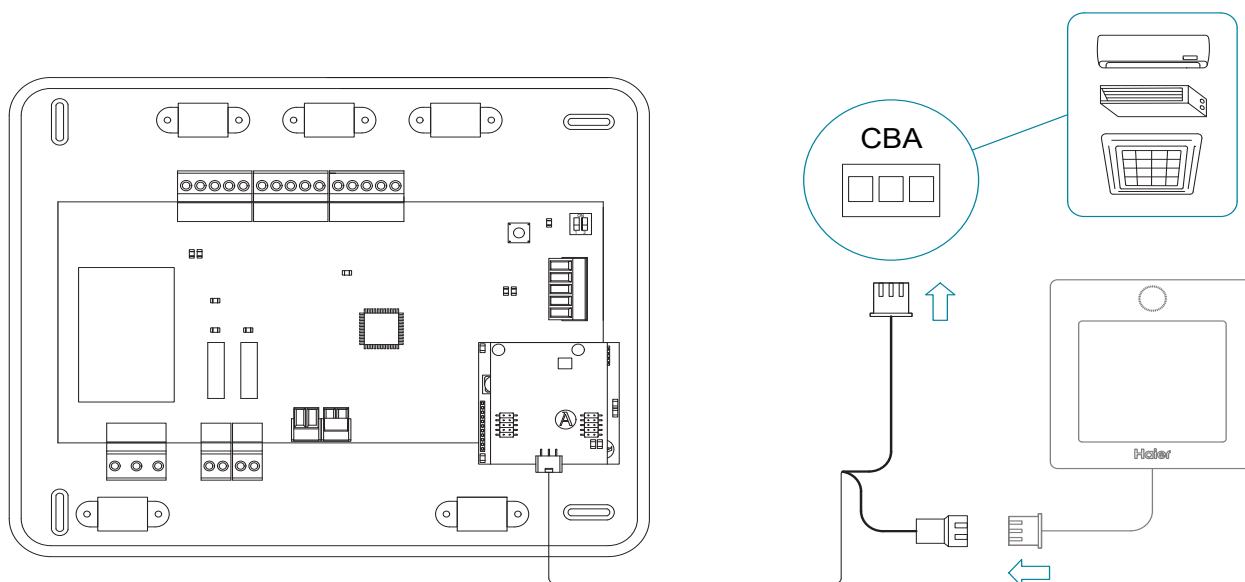
| Power supply and consumption   |                                                                              |
|--------------------------------|------------------------------------------------------------------------------|
| Type of power supply           | Vac                                                                          |
| V max                          | 110 / 230 Vac                                                                |
| I max                          | 250 mA                                                                       |
| Frequency                      | 60 / 50 Hz                                                                   |
| Stand-by consumption           | 400 mW                                                                       |
| Module over-current protection | 250 mA                                                                       |
| Airzone connection bus         |                                                                              |
| N° of ports                    | 3                                                                            |
| Shielded twisted pair          | AWG 23 - 2 wired + AWG 20 - 2 wired<br>(2 x 0.22 + 2 x 0.5 mm <sup>2</sup> ) |
| V max                          | 12 V                                                                         |
| AC unit bus                    |                                                                              |
| N° of ports                    | 1                                                                            |
| Shielded twisted pair          | AWG 20 - 4 wired<br>(2 x 0.22 + 2 x 0.5 mm <sup>2</sup> )                    |
| V max                          | 12 V                                                                         |
| Automation bus                 |                                                                              |
| N° of ports                    | 1                                                                            |
| Shielded twisted pair          | AWG 20 - 4 wired<br>(2 x 0.22 + 2 x 0.5 mm <sup>2</sup> )                    |
| Communications protocol        | MODBUS RS-485<br>Par - 19200 bps                                             |

| Relay outputs            |                                 |
|--------------------------|---------------------------------|
| N° of relays             | 2                               |
| V max                    | 48 V                            |
| I max                    | 1 A                             |
| Digital inputs           |                                 |
| N° of inputs             | 1                               |
| State                    | Voltage-free                    |
| Protection by probe      |                                 |
| Type of probe            | NTC                             |
| Reading accuracy         | 1 °F ( 0.1°C)                   |
| Operating temp.          |                                 |
| Storage                  | - 4 ... 158 °F (- 20 ... 70 °C) |
| Operation                | 32 ... 113 °F (0 ... 45 °C)     |
| Mechanical aspects       |                                 |
| Protection class         | IP 20                           |
| Weight                   | 1.36 lb (616 g)                 |
| Maximum Operating Height | 6561.7 ft (2000 m)              |

## DIMENSIONAL DRAWINGS



## INSTALLATION



## SPARE PARTS

- AZPV8WIRE24 - Connection to Indoor unit 8.2 ft (2.5 m) / AWG 24 - 6 wired (6x0.2 mm<sup>2</sup>)
- AZX8GTCHAI - Airzone-Haier controller Gateway

## ACCESORIES

- AZPV8WIREU - Universal 6-pin 8.2 ft (2.5 m) extension cable for Airzone gateway / Aidoo



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