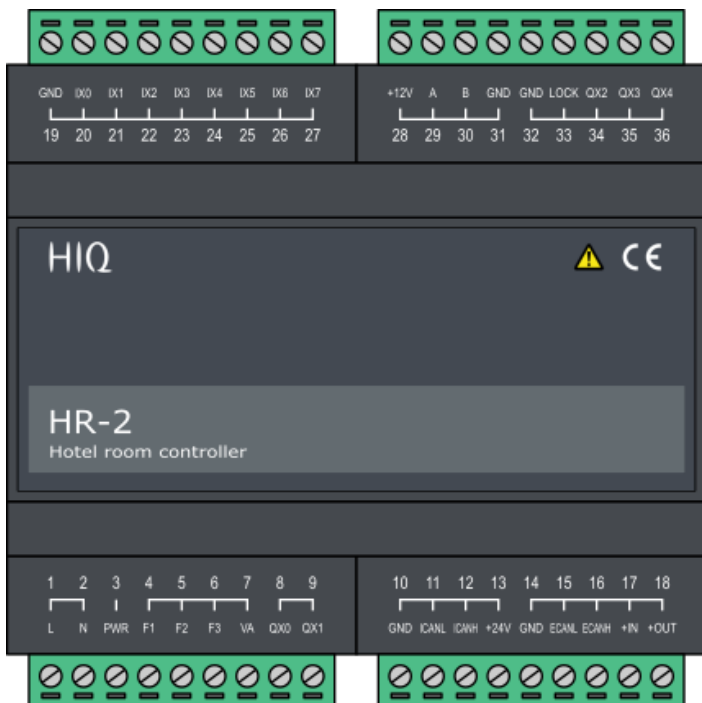


# Hotel room controller

## Hotel room master controller

Model number:	<b>HR-2</b>
Mounting:	DIN rail, 6M, 106mm
Dimensions:	106x108x58mm



## Applications

- Hotel room automation

## Features

- Welcome light
- Power relay
- HVAC control
- Room SOS

## General description

**Hotel room controller** controls all basic hotel room devices: welcome light, power relay, HVAC, card holder and SOS pull-switch. By itself is sufficient for basic hotel room automation. It is easy configurable and can be upgraded with many additional expansion units so it ensures practically any level of hotel room automation.

Easy commissioning with auto-addressing, easy configuration and advanced diagnostic ensures cost effective and quick system set-up and easy maintenance during whole life cycle.

## Technical specification

Relay outputs:	3A/250V
Lock output:	500mA/12VDC

Transistor outputs:	250mA/24VDC
Communication:	RS485, 2 × IEX bus
Power supply:	240V
Ingress protection:	IP20
Operating temperature:	0..45°C
Storage temperature:	-20..75°C
Relative humidity:	0..95% n/c

## Terminals

Power supply 240 V AC	<b>L</b>	<b>1</b>	Power supply input	Digital inputs common	<b>19</b>	<b>GND</b>	Common	
	<b>N</b>	<b>2</b>		Digital inputs	<b>20</b>	<b>IX0</b>	Card holder	
Room power relay	<b>PWR</b>	<b>3</b>	Relay outputs	Digital inputs	<b>21</b>	<b>IX1</b>	Thermostat	
Fan-coil 1st speed	<b>F1</b>	<b>4</b>		Digital inputs	<b>22</b>	<b>IX2</b>	Main door reed relay	
Fan-coil 2nd speed	<b>F2</b>	<b>5</b>		Digital inputs	<b>23</b>	<b>IX3</b>	Welcome light push-button	
Fan-coil 3rd speed	<b>F3</b>	<b>6</b>		Digital inputs	<b>24</b>	<b>IX4</b>	SOS pull-switch	
Fan-coil valve	<b>VA</b>	<b>7</b>		Digital inputs	<b>25</b>	<b>IX5</b>	Info panel control push-button	
Welcome light	<b>QX0</b>	<b>8</b>		Digital inputs	<b>26</b>	<b>IX6</b>	Window switch	
Thermostat ECO mode	<b>QX1</b>	<b>9</b>		Digital inputs	<b>27</b>	<b>IX7</b>		
Internal IEX bus GND	<b>GND</b>	<b>10</b>	Internal IEX bus	+12 VDC source	<b>28</b>	<b>+12V</b>	Access control +12V	
Internal IEX bus CANL	<b>ICANL</b>	<b>11</b>		RS485	<b>29</b>	<b>A</b>	Access control RXD-A	
Internal IEX bus CANH	<b>ICANH</b>	<b>12</b>		RS485	<b>30</b>	<b>B</b>	Access control TXD-B	
Internal IEX bus +24V	<b>+24V</b>	<b>13</b>	External IEX bus	GND	<b>31</b>	<b>GND</b>	Access control GND	
External IEX bus GND	<b>GND</b>	<b>14</b>		GND	<b>32</b>	<b>GND</b>	LOCK and Qx2-4 common	
External IEX bus CANL	<b>ECANL</b>	<b>15</b>		Lock output	<b>33</b>	<b>LOCK</b>	Door lock	
External IEX bus CANH	<b>ECANH</b>	<b>16</b>		Transistor outputs		<b>34</b>	<b>QX2</b>	Info panel - Make My Room
External IEX bus in +24V	<b>+IN</b>	<b>17</b>				<b>35</b>	<b>QX3</b>	Info panel - Do Not Disturb
External IEX bus out +24V	<b>+OUT</b>	<b>18</b>				<b>36</b>	<b>QX4</b>	Info panel - Room Service Request

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