# AIO® Basic Touch Controller (LTCH20)

Product Data Sheet




innova

## CONTACT INFO

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## AIO® BASIC TOUCH CONTROLLER LTCH20

- Wired
- Wall mounted

**⚠WARNING**

Only qualified professionals should install this equipment. Improper modifications by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the guide and on labels attached to the equipment.

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# 1. BASIC TOUCH CONTROLLER LTCH20 SUBMITTAL

| | | |
|---|---|---|
| Job | Reference | Construction |
| Location | Approval | Quote Number |
| Engineer | Date | Drawing Number |
| Submitted To | Submitted By: | P.O. Number: |

The wall-mounted Basic Touch Controller is simple and easy to use, with icons and text for each button. The sleek design and low profile easily blend into any decor. It features a simple on/off timer. The LED display dims after 15 seconds, making it ideal for any room, including a bedroom. For more information, see the AIO® Basic Touch Controller User Guide.

This controller requires a gateway board (included), which must be field-installed and connected inside the AIO® unit by an electrician or technician and takes approximately 15 minutes to install.

## 1.1 Features

- Always-on backlit LED dims after 15 seconds of inactivity
- Touch controller
- Modes include: Cool, Heat, Dehumidify, and Fan Only
- Fan controls include: Low, Medium, High, and Auto
- Temperature setpoint in one-degree increments
- Timer for single on and single off
- Keypad lock
- Louver Control
- Sleep mode

## 1.2 General

- **Display**
  - Glass touch screen
- **Material**
  - Frame: Matte plastic
  - Cover: Glass
- **Connection Type**
  - Up to Shielded 4-conductor 18 AWG wire
  - Maximum 125’ run
- **Mounting**
  - Surface mounted
- **Connection Type**
  - Solid wire for less than 30’ run
  - Stranded shielded four-conductor 18 AWG wire for more than 30’ run
- **Warranty**
  - 2-year limited
- **Power Consumption**
  - 1 watt

## 1.3 Included

- LTCH 20 Basic Touch Controller
- Mounting screws

## 1.4 Dimensions

- Width: 3.41” (86.6 mm)
- Height: 3.35” (85.1 mm)
- Depth: 0.31” (7.9 mm)

*Figure 1. Dimensions (Width & Height)*

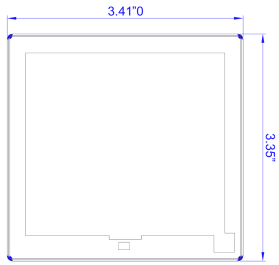
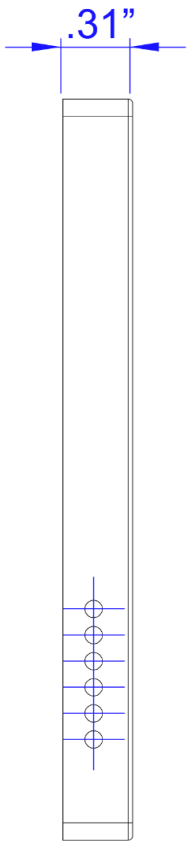



*Figure 2. Dimensions (Depth)*




## 1.5 Weight

- 0.5 lb (0.2 kg)

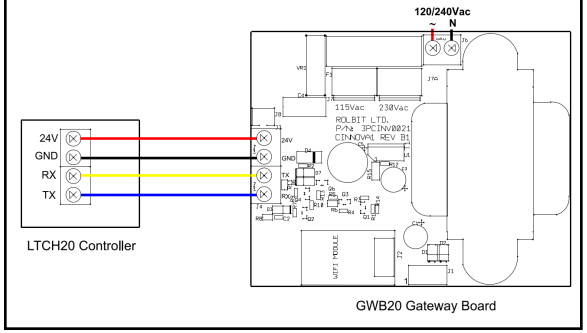
## 2. WIRING DIAGRAM

### 2.1 Standard Configuration

The rear of the TFT display is wired to the AIO® Gateway Board with four wires.

AIO Basic Touch Controller (LTCH20) Standard Wi...

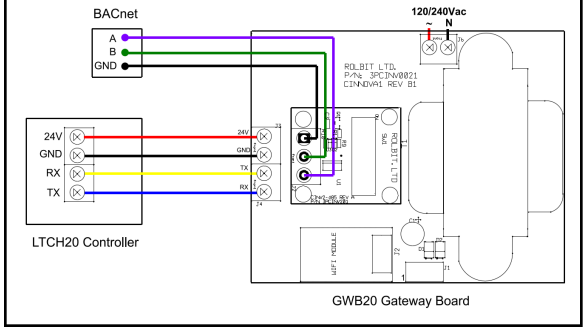
*Figure 3. Wiring diagram showing the standard configuration.*




### 2.2 Standard + BACnet Configuration

AIO Basic Touch Controller (LTCH20) Standard + ...

*Figure 4. Wiring Diagram showing the standard + BACnet configuration.*




## 3. WARRANTY

Controllers carry a two-year warranty.

AIO Warranty Terms and Conditions - 2026 - INN...

With over 20 years of experience in the climate comfort sector, we have a clear goal: growth through innovation. Our team is laser-focused on the conception, development, and production of innovative heating, ventilation, and air conditioning solutions. This mission has developed through bringing together technical skills, creativity, technology, design, Italian passion, and a global vision to achieve the best energy efficiency and performance.

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MADE IN ITALY

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