VK0200

ATEN Control System - 12-button Control Pad (EU, 2 Gang)

The VK0200 is a fully-customizable 12-button Control Pad that integrates a controller with a keypad as an all-in-one solution. Aimed for small/medium meeting room or classroom control, the VK0200 offers a ready-to-use solution that easily connects the devices, configures via the intuitive VK6000 Configurator Software, and flexibly customizes keypad button functions and layout to fulfill most applications.

The ATEN Control System is an Ethernet-based management system that connects all the hardware devices found in a room for centralized control effortlessly. The VK0200 Control Pad not only plays the role as the main controller that connects the hardware devices, but also acts as a control interface with customizable buttons and layout. Created with flexibility in mind, the two-gang Control Pad can be laid out in 125 different combinations of 6 to 12 buttons that snap together as easy as Lego's. By connecting to the local network, users will find it's effortless using VK6000 software to configure the desired control of any connected device from the Control Pad. With the ready-to-go combo Control Pad, users instant and smart control of the facilities from a Control Pad that can manage any device in the room.

Note: This model is also available in black color – Part number: VK02001, which is a built-to-order product. To place an order, please contact your regional ATEN representative.

Keypad Layout Example

Custom button placement on the Control Pad can be set in 125 different combinations of 6 to 12 buttons. The example above shows the 12 most commonly used.

VK0200TTK

VK0200TTK includes a VK0200 unit and an ergonomically designed keypad tabletop kit compatible with VK0200's black / white editions, further enhancing the ease-of-use. For more information, please contact your regional ATEN representative.

Accessories:
*The power adapter for this product is sold separately. For more information about this accessory, see Accessories.

Features

- Supports various interface connections:
  - 2 x RS-232 ports
  - 2 x Relay channels
  - 1 x Digital input channel
  - 1 x Ethernet port
- Designed to mount in 2-gang EU-type and MK-type junction boxes
- Fully customizable with 125 layout combinations of 6 to 12 buttons
- Available in black or white color
- Web Viewer – integrated with 3rd-party systems or any web-based console for easier room equipment management
- Supports IEEE 802.1x authentication protocol for enhanced network security
- Supports native KNX IP for building management systems
- TCP, UDP, Telnet, HTTP, HTTPS, WebSocket, ONVIF, and PJLink compliant
- Supports Modbus protocol - enables integration with Modbus devices, including TCP, RTU and its checksum data
- Supports Telnet CLI (command-line interface) mode for third-party system integration
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- Supports Telnet CLI (command-line interface) mode for third-party system integration
- Supports project file backup [1]
- Web GUI for easy system configuration
- Supports SSH communication for data monitoring [2]
- LED indication of connection and hardware status
- Dual-color LEDs for clear indication in dark environments
- Dual power supplies – Power over Ethernet (PoE) and DC 5V (optional)
- Customized button engraving service
- Allows for remote control via mobile device [3]
- Flexible installation is made easier with the keypad tabletop kit (VK0200TTK), allowing for device mounting on the table or to the wall
- Supports centralized control and management by ATEN Unizon™

Note:
1. Each ATEN Control Box is capable of backing up one project file.
2. The SSH protocol can be used for monitoring the receiving / transmission data of the Control Pad.
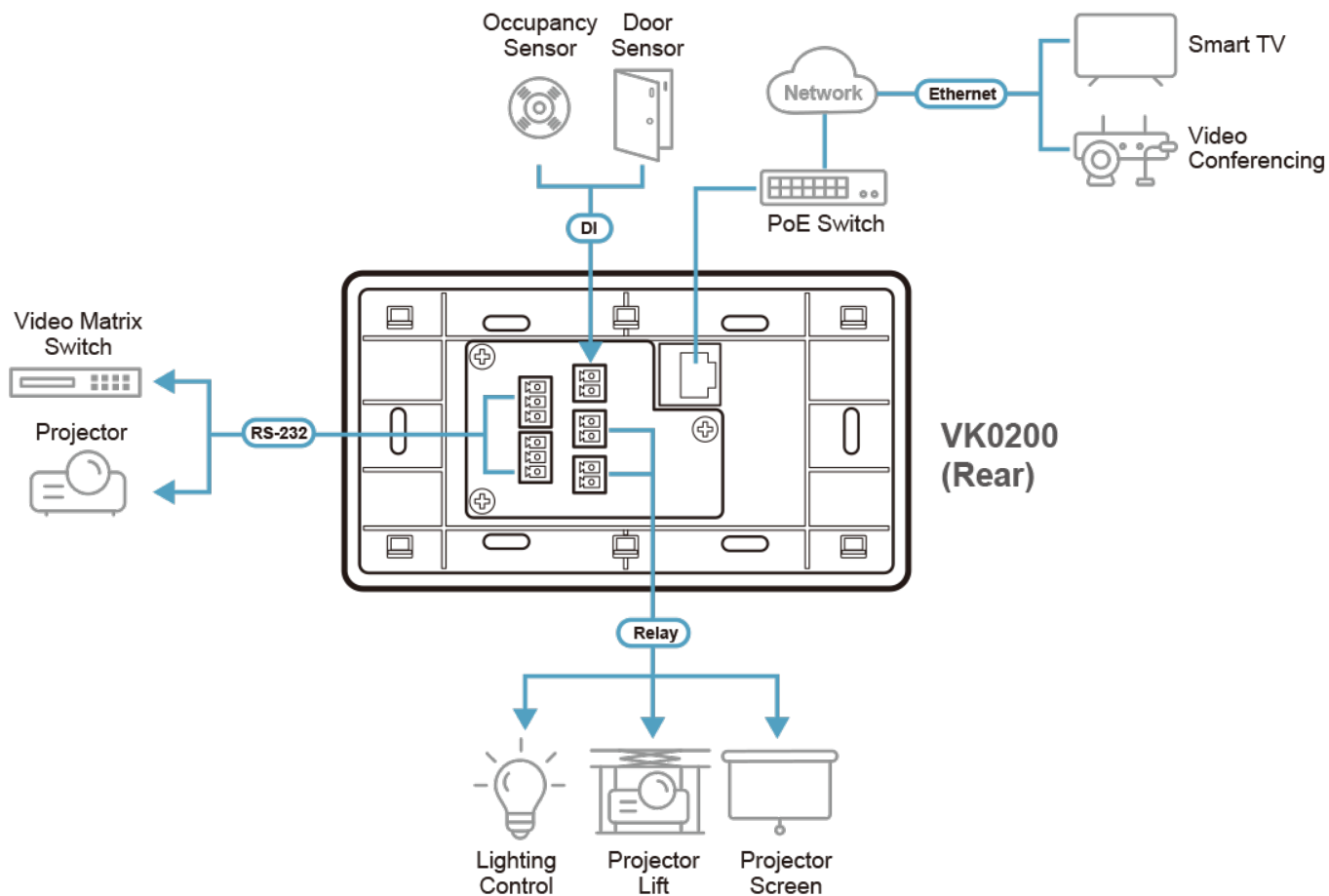3. Mobile device control requires a license. Please refer to the Specifications or contact your local sales representative for more details about licenses.

Specification

Interfaces	
Keypad Layout	6~12 buttons customizable in 125 keypad layouts
Serial	• 2 x Bi-directional RS-232 Port (2 x 3-Pole Terminal Block Connector); – Baud Rate: 300 to 115200 (default: 9600); – Data Bit: 8 (default) or 7; – Stop Bit: 1 (default) or 2; – Parity: None (default), even or odd
Relay	• 2 x Relay Channel (2 x 2-Pole Terminal Block Connector); • Normally open, isolated Relays; • Contact Rating: Max 24 VDC, 1A
I/O	• 1 x Digital Input Channel (1 x 2-Pole Terminal Block Connector); – VDC Mode Input Voltage Range: 0 to 5 VDC; Programmable Range: 1 to 5 VDC; – Dry Contact Mode Pull-up 2k ohms to + 5 VDC
Ethernet	• 1 x RJ-45 Female, 10/100Base-T • Supported Protocol: ARP, ICMP, TCP/IP, DHCP, HTTPS, SSH • DHCP-enabled. The following default IP settings will be used if no IP is assigned within 30 seconds: IP: 192.168.0.60 Subnet Mask: 255.255.255.0
Switches	
Controller ID	1 x 16-segment Switch
Reset Button	1 x Semi-recessed Pushbutton
Power Consumption	DC5V:1.15W:5BTU/h POE:1.44W:7BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Environmental	
Operating Temperature	0 – 50°C
Storage Temperature	–20 – 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Plastic
Weight	0.19 kg (0.42 lb)
Dimensions (L x W x H)	8.32 x 14.76 x 4.80 cm (3.28 x 5.81 x 1.89 in.)
License	
Max. No. Allowed	10 licenses
Note	Each time a mobile device connects to an ATEN Control Pad for remote control, one license on the Control Pad will be occupied. To purchase and add additional licenses to your ATEN Control Pad, contact your local sales representative for more information.
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

▶ **Simple Solution**
With VK0200 Control Pad

Occupancy Sensor Door Sensor

Network — Ethernet — Smart TV / Video Conferencing

DI

PoE Switch

Video Matrix Switch

Projector

RS-232

VK0200 (Rear)

Relay

Lighting Control   Projector Lift   Projector Screen