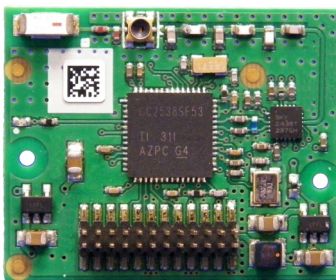


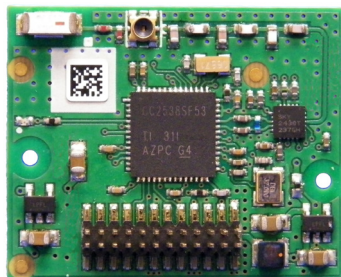
# VT8000 Room Controllers

## Zigbee Pro Module Specification Sheet VCM8000V5045P



Accessory communication module that allows the upgrade of all network-ready VT8000 Room Controllers to support networking communication using the Zigbee® Pro wireless protocol.

# VCM8000V5045P Communication Module Features



## Overview

Accessory communication modules allow the upgrade of all network-ready VT8000 Room Controllers to support wireless communication.

All current network-ready Schneider Electric™ VT8000 Room Controllers are capable of being retrofitted in the field with an accessory communication module. This enables the controllers to be integrated into a 2.4 GHz Zigbee Pro wireless network.

This approach provides the flexibility to add network communication strategies as budgets allow, or as building management needs change.

## Wireless Option

- Supports up to 20 sensors. Refer to the “VT8000 Compatibility Matrix” to see the list of compatible Zigbee sensors with the different VCM and VT8000 firmware versions.
- The VCM8000 module firmware can be upgraded. Refer to the “VT8000 Uploader Tool Installation Guide” for more information.
- The VCM8000 module is compatible with a wide variety of Building Management System (BMS) servers or controllers for Zigbee network integration.

## Zigbee Versions

VT8000 models with a “P” suffix include Zigbee Pro natively within the Room Controller. These models do not require a VCM8000 and hence the expansion port remains available for the Wi-Fi **or** CO2 module.



### AT A GLANCE

Communication options

Zigbee Pro communication module

# VCM8000V5045P Communication Module Features

## Easy Installation

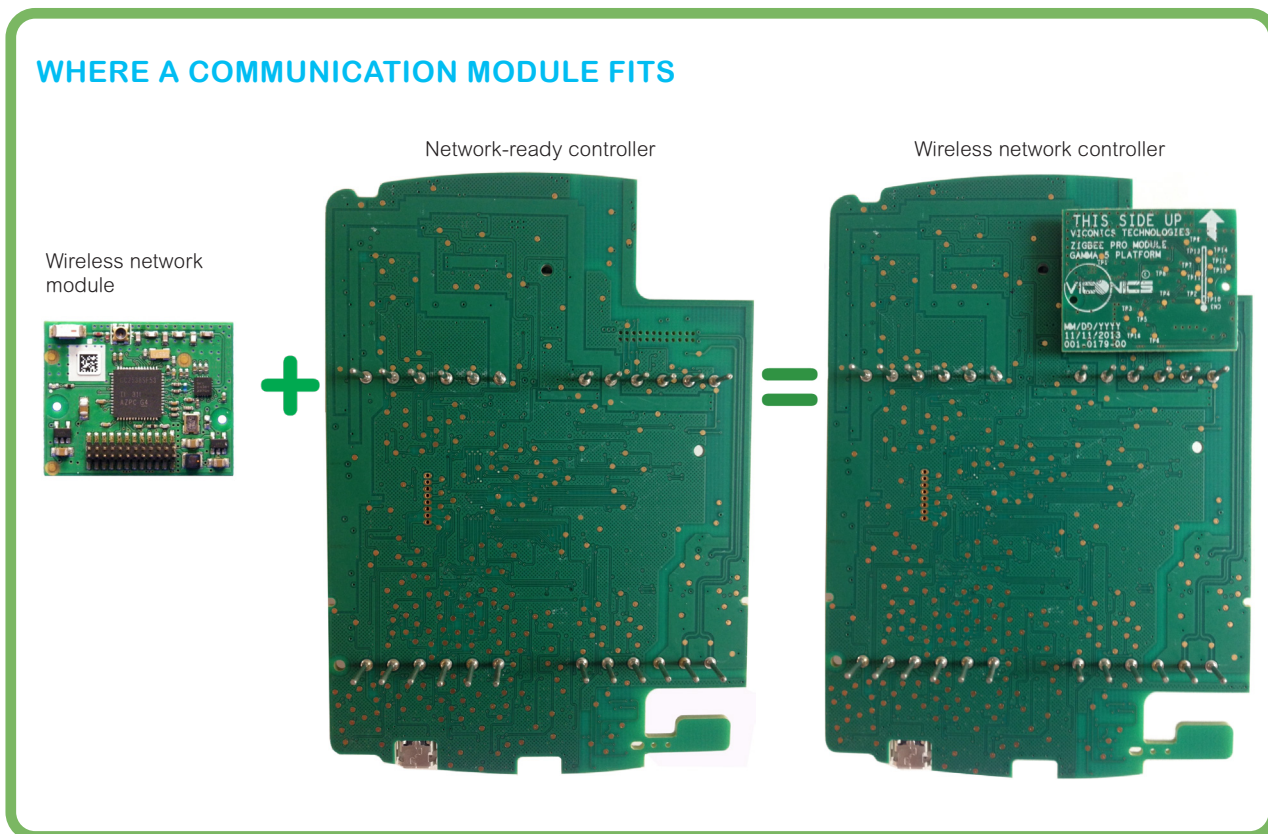
VCM8000V5045P communication modules are easy to install. Network-ready VT8000 Room Controllers are specifically designed to enable upgrades to their communication capabilities.

Adding a communication module only takes a few minutes but provides a big advantage to existing installations that require new networking and integration functionality.

## Network Architecture

A system combining VT8000 + VCM8000 is configurable to operate as a:

- **Zigbee Coordinator:** VT8000 creates a Zigbee network to which sensors can be added for more intelligent monitoring and control.
- **Zigbee Router:** VT8000 joins a Zigbee network created by a BMS server or controller acting as a coordinator.



# VCM8000V5045P Communication Module

## Specifications

**Operating Conditions**

0 °C to 50 °C ( 32 °F to 122 °F )  
0% to 95% R.H. non-condensing

**Storage Conditions**

-30 °C to 50 °C ( -22 °F to 122 °F )  
0% to 95% R.H. non-condensing

**Approximate Shipping Weight**

0.34kg ( 0.75lb )

**Module Profile**

Zigbee Pro (3.0)  
Frequency Range: 2405 - 2475 MHz for  
(channels 11 - 25)

**Agency Approvals Wireless Models**

S.I. 2017/1206 - Radio Equipment  
Regulations 2017  
FCC: Compliant to: Part 15, Subpart C  
EU Radio Directive 2014/53/EU  
BS/EN 300 328  
BS/EN 301 489-1  
BS/EN 301 489-17  
BS/EN 60730-1  
BS/EN 60730-2-9  
BS/EN 60730-2-13

**Environmental Compliance**

RoHS Directive 2011/65/EU & 2015/863/EU  
REACH Directive 1907/2006  
S.I. 2012/3032 - Restriction of the Use of  
Certain Hazardous  
Substances in Electrical and Electronic  
Equipment Regulations 2012

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.



Check with your local government for instructions on the disposal of these products.

## Ordering information

**Zigbee Pro extended profile (P)**

VCM8000V5045P	Zigbee Pro Communication Module for all VT8000 Room Controllers
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