VCM7000 Series
Accessory Communication Module
Installation Guide

For VT(R)7000 Series Controllers

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Contents

Description

All current “Network Ready” Viconics VT(X)7000 (5000 Series) controllers purchased after July 2010 are capable of being retrofit in the field with accessory communication adapters that enables the controllers to be integrated into virtually all leading building automation system.

This approach allows the flexibility to add network communication strategies as budgets allow or as the buildings needs change.

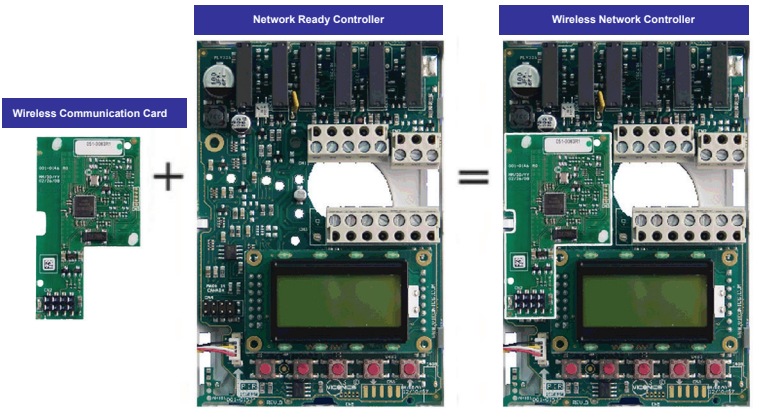
The manufacturing date is identified inside the controller on a small label which also contains the part number. The format of the date code is year / week. If in doubt, please contact the factory for assistance. Always verify the manufacturing date code of all thermostats before ordering any communication modules.

Ex.: VTR7355A5500, date code is 1115 manufactured in 2011 during the 15th week of the year at the beginning of April.

If required, Network Ready (Stand-Alone) Terminal Equipment Controllers can be field retrofitted with the following communication adapters

Models Available

MODEL	DESCRIPTION
VCM7000V5000W	Wireless Retrofit Communication Card for all VT7000 & VTR7000 Series
VCM7000V5000P	Wireless ZigBee Pro Retrofit Communication Card for all VT7000 & VTR7000 Series
VCM7300V5000B	BACnet Retrofit Communication Card for all VT7200 & VT7300 Series
VCM7600V5000B	BACnet Retrofit Communication Card for all VT7600 Series
VCM7607V5000B	BACnet Retrofit Communication Card for all VT76x7 with RH
VCM7300T5000B	BACnet Retrofit Communication Card for all VTR7300 Series
VCM7300V5000E	Echelon Retrofit Communication Card for all VT7200 & VT7300 Series
VCM7600V5000E	Echelon Retrofit Communication Card for all VT7600 Series
VCM7607V5000E	Echelon Retrofit Communication Card for all VT76x7 with RH



Installation

Remove the security screw on the bottom of Terminal Equipment Controller cover.

- Open unit by pulling on the bottom side of Terminal Equipment Controller (fig. 1).
- Remove power to the unit by disconnecting to top left terminal block.
- Ensure power is down by confirming the local display is not operating.

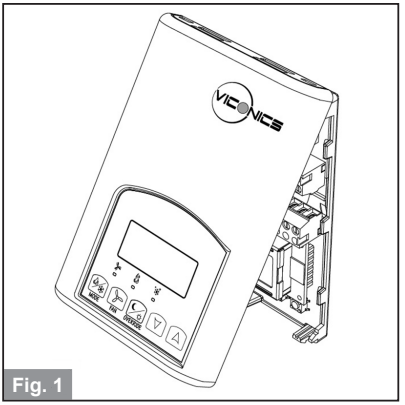


Fig. 1

Module Installation

1. Align module connector and the 2 retaining pins on their respective insertion points of the controller base.
2. Insert connector and the 2 retaining pins all at once by pressing on the 3 location simultaneously. (fig. 2).
3. Make sure retaining pins are properly snapped in place.
4. A misalignment of the module connector while the controller is powered may permanently damage the Terminal Equipment Controller or the communication module
5. Power back the unit by reconnecting the top left terminal block.
6. Re-install the cover (top side first)
7. Re-install security screw

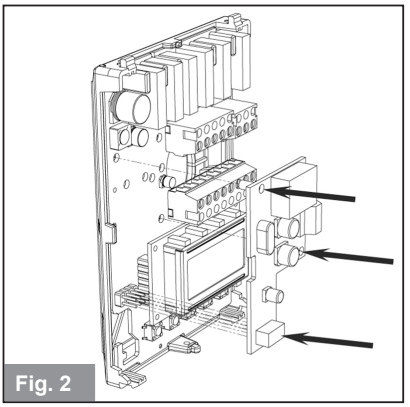


Fig. 2

- Electronic controls are static sensitive devices. Discharge yourself properly before manipulating and installing the Terminal Equipment Controller.
- A misalignment of the module connector while the controller is powered may permanently damage the Terminal Equipment Controller or the communication module.
- All VT(R)7000 series controls are designed for use as operating controls only and are not safety devices. These instruments have undergone rigorous tests and verification prior to shipping to ensure proper and reliable operation in the field. Whenever a control failure could lead to personal injury and/or loss of property, it becomes the responsibility of the user / installer / electrical system designer to incorporate safety devices (such as relays, flow switches, thermal protections, etc…) and/or alarm systems to protect the entire system against such catastrophic failures. Tampering with the devices or unintended application of the devices will result in a void of warranty.

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:	0.75 lb (0.34 kg)
Agency Approvals all models:	**UL:** UL 873 (US) and CSA C22.2 No. 24 (Canada), File E27734 with CCN XAPX (US) and XAPX7 (Canada) **Industry Canada**: ICES-003 (Canada)
Agency Approvals all models:	**FCC**: Compliant to CFR 47, Part 15, Subpart B (US) **CE** : EMC Directive 89/336/EEC (Europe Union) **C-Tick**: AS/NZS CISPR 22 Compliant (Australia / New Zealand) Supplier Code Number N10696
Agency Approvals Wireless models:	**FCC:** Compliant to: Part 15, Subpart C

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