INNOTECH®

Innovative Control Solutions

Compact Power

Versatile Compact Controllers with Expandable, Configurable Points

Simply Powerful
From simple Variable Air Volume (VAV) applications to large plant control

Highly Flexible Points
Fully programmable points (UI/O) combined with dedicated Triac outputs & optional differential pressure transducer

Scalable Solution
Connect additional points using the Omni Remote Expansion Module (REM) Network[1]

Simple To Integrate
Integrate with other services using the native support of BACnet & Modbus[1] for comprehensive control of all building systems.

Data At Your Fingertips
Live monitoring, alarming, scheduling, trending, adjustment & historical analysis via an HTML5 web interface[1]

[1] Available in future release.

24VAC IN   TO1 TO2 TO3 TO4   COMM 1   COMM 2

COMM 1
COMM 2

omni C10V
INNOTECH

ISS   1   2   3   4   5   6

Plug-in Free
ONBOARD WEBSERVER

HTML 5

Modbus

BACnet
International

Omni Compact Controllers

Features

- Native BACnet with BTL Listing
- BACnet MS/TP & BACnet IP
- Native Modbus RTU and TCP
- Automatic Protocol Routing
- Easiest I/O - User Configurable Points (UI/O) with self diagnostics
- Triac Outputs (Modulated PWM or Digital ON/OFF)
- Multi-user, HTML 5 web interface
- Variety of models & expansion options
- Compatible with existing Innotech, BACnet or Modbus BEMS
- On-board data logging
- Real-time clock & battery backup for fail-safe critical applications
- Live monitoring of data
- Export trend log data to CSV
- BACnet Broadcast Management Device (BBMD) support
- Simple pressure sensor commissioning via on-board web server interface

Specifications Overview

CONTROLLER NAME	Omni Compact Controller
PART NUMBERS	OMC10, OMC8, OMC10V, OMC8V
PERFORMANCE	• ARM Cortex A8 800MHz Processor • 8kB Non-Volatile Memory • 8GB Logging Capacity (via Micro SD Card) • Battery Backed Real-time Clock

INPUTS & OUTPUTS	• UI/O User Configurable Points
	  - 4 x (OMC8 & OMC8V)
	  - 6 x (OMC10 & OMC10V)
	• 4 x 24VAC Triac Outputs (20mA to 400mA max.)

AVAILABLE PORTS	• RS-485
	  - 1 x (OMC8 & OMC8V)
	  - 2 x (OMC10 & OMC10V)
	• 1 x Ethernet (100 BaseT)
	• 1 x Innotech Smart Sensor (ISS)
	• USB-Mini B (PC Link)
	• 1 x 0 to +500 Pa Differential Pressure Transducer. Max. Static Pressure 3000 Pa (OMC8V & OMC10V Only)

POWER REQUIREMENTS	• 24VAC • 6W to 30W max. consumption
ENVIRONMENTAL	Operating Temp -10ºC to 50ºC (14ºF to 122ºF)
PRODUCT DIMENSIONS	W 124.6 x H 113.4 x D 52.8mm (4.90 x 4.46 x 2.07")
APPROVALS	• EN61326:2013 Class A for CE & RCM Labelling[2] • Title 47 CFR, Part 15 Class A for FCC Marking[2] • UL Listed to UL916, File Number PAZX.E242628, PAZX7.E242628 [2] • RoHS 2 • BTL Listed
PROTOCOLS	• Innotech Global & TCP • BACnet/IP & BACnet MS/TP • Innotech Smart Sensor (ISS) • Modbus[1] TCP & RTU (via Feature Licence) • Omni REM[1] (via Feature Licence)

[1] Available in future release; [2] Approvals in progress at time of publication
All specifications are preliminary and subject to change without notice

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