Versatronik® 535 & 535D Solar/BACIP
Communication Gateway

KWE Technologies Group

120VAC Wall-mount 704065
24VAC DIN-rail mount 704066

Effective Date: June 21, 2010

Product Overview

The Versatronik® 535 & 535D Solar/BACIP gateway provides a communication translation between applicable controls and BMS systems which are capable of BACnet®/IP communications.

The Versatronik® gateway may be either part of a control panel or stand-alone control device.

When your building management system needs to communicate with RESOL® or Viessmann line of solar controls, the Versatronik® 535 Solar gateway is your best choice.

This gateway communicates with the RESOL® VBus protocol and receives all available data points. These are then converted to BACnet®/IP depending on your needs.

You can choose between a wall mounted 120VAC, or a DIN rail mounted 24VAC unit.

Special Features

Available data points:
- Temperature sensors 1-12
- Irradiation
- Pulse counters 1 and 2
- Sensor error (opens and shorts)
- Sensor mask (required sensors)
- Relay status 1-12
- Error and warning codes
- Options enabled on control
- Heating quantity total
- Pump operating hours
- °C or °F Selectable

Please note that these features are a function of the solar control's manufacturer programming.

Please contact your solar control manufacturer for a complete list of features available.

Specifications
Electrical:
120VAC Wall-mount or 24VAC DIN-rail mount

Power Requirements:
120VAC Wall-mount:
MAX 7.5W
24VAC DIN-rail mount:
MAX 12W

Recommendations:
Avoid running wires beside or near high voltage 120/240VAC conductors. If proximity to high voltage conductors cannot be avoided, use stranded, twisted pair of shield design wire. Ensure that only one end of the shielding is grounded.

Appearance and Weight:
120VAC Wall-mount:
Mounting style: wall (field-supplied screws)
Supply Voltage: 120VAC (power cord supplied)
Dimensions:
8″ X 6.5″ X 1.75″
(200 X 165 X 45mm)
Weight: 3.55 lbs (1.6 kg)
Appearance: galvanized steel base with white metal cover.

24VAC DIN-rail mount:
Mounting style: DIN-rail
Supply Voltage: 24VAC (power supply not included)
Dimensions:
6.25″ X 3.5″ X 2.25″
(160 X 90 X 60mm)
Weight: 0.5 lbs (255g)
Appearance: tan-coloured plastic enclosure

Surroundings:
120VAC gateway to be mounted in a convenient location near the solar control.

24VAC gateway to be mounted onto DIN-rail within an enclosure in a convenient location near the solar control.

Currently Supported Devices:
- RESOL® Deltasol M
- RESOL® Deltasol BS Plus
- Viessmann Vitosolic 200
- Viessmann SCU124
- Viessmann SCU224

Other devices may be easily added. Please contact us.

Additional Information

Terminals:
- BACnet® termination with RJ45 socket

External Diagnostics:
- Flashing LED fault diagnostic

Programming:
Individual BACnet® configuration into communication system required.

Networks:
- TCP/IP
- Ethernet
- Two-wire VBus (polarity insensitive)

Protocols:
- BACnet®
- RESOL® VBus

Agency Compliances:
The 120VAC wall-mount unit is CSA compliant.

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Trademark Information
Versatronik® is a registered trademark of K-W Electronic Service Inc.

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BACnet® is a trademark of the American Society of Heating, Refrigeration and Air-Conditioning Engineers, Inc. 1971 Tuillie Circle NE, Atlanta, GA 30329

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