



Rev. 04/02/15

Voltage Output Module (VOM)

Wireless Temperature and/or Humidity

F21

Overview

The Voltage Output Module (VOM) converts the temperature or humidity data from the Wireless Receiver into a linear 0-5 volt or 0-10 volt signal for the DDC controller.

The VOM receives the temperature or humidity data from a BAPI 418 or 900 MHz Receiver through a four-wire bus. Up to 127 different Output Modules can be connected to a single receiver to send multiple variables to the controller.

The VOM is easily trained to a single transmitter variable with a pushbutton and LED. The VOM is surface, 2.75" snaptrack or 35mm din rail mountable.

°F PART NUMBERS:

- BA/VOM-05-C-EZ:** 0-5V Output, 50 to 90°F Temp. Range
- BA/VOM-05-D-EZ:** 0-5V Output, 55 to 85°F Temp. Range
- BA/VOM-05-E-EZ:** 0-5V Output, 60 to 80°F Temp. Range
- BA/VOM-05-F-EZ:** 0-5V Output, 65 to 80°F Temp. Range
- BA/VOM-05-G-EZ:** 0-5V Output, 45 to 96°F Temp. Range
- BA/VOM-05-H-EZ:** 0-5V Output, -20 to 120°F Temp. Range
- BA/VOM-05-KK-EZ:** 0-5V Output, 32 to 185°F Temp. Range
- BA/VOM-05-MM-EZ:** 0-5V Output, -40 to 140°F Temp. Range
- BA/VOM-10-C-EZ:** 0-10V Output, 50-90°F Temp. Range
- BA/VOM-10-D-EZ:** 0-10V Output, 55-85°F Temp. Range
- BA/VOM-10-E-EZ:** 0-10V Output, 60-80°F Temp. Range
- BA/VOM-10-F-EZ:** 0-10V Output, 65-80°F Temp. Range
- BA/VOM-10-G-EZ:** 0-10V Output, 45-96°F Temp. Range
- BA/VOM-10-H-EZ:** 0-10V Output, -20 to 120°F Temp. Range
- BA/VOM-10-KK-EZ:** 0-10V Output, 32 to 185°F Temp. Range
- BA/VOM-10-MM-EZ:** 0-10V Output, -40 to 140°F Temp. Range

°C PART NUMBERS:

- BA/VOM-05-C-C-EZ:** 0-5V Output, 10 to 32°C Temp. Range
- BA/VOM-05-D-C-EZ:** 0-5V Output, 13 to 30°C Temp. Range
- BA/VOM-05-E-C-EZ:** 0-5V Output, 15 to 27°C Temp. Range
- BA/VOM-05-F-C-EZ:** 0-5V Output, 18 to 27°C Temp. Range
- BA/VOM-05-G-C-EZ:** 0-5V Output, 7 to 35°C Temp. Range
- BA/VOM-05-H-C-EZ:** 0-5V Output, -29 to 49°C Temp. Range
- BA/VOM-05-KK-C-EZ:** 0-5V Output, 0 to 85°C Temp. Range
- BA/VOM-05-MM-C-EZ:** 0-5V Output, -40 to 60°C Temp. Range
- BA/VOM-10-C-C-EZ:** 0-10V Output, 10 to 32°C Temp. Range
- BA/VOM-10-D-C-EZ:** 0-10V Output, 13 to 30°C Temp. Range
- BA/VOM-10-E-C-EZ:** 0-10V Output, 15 to 27°C Temp. Range
- BA/VOM-10-F-C-EZ:** 0-10V Output, 18 to 27°C Temp. Range
- BA/VOM-10-G-C-EZ:** 0-10V Output, 7 to 35°C Temp. Range
- BA/VOM-10-H-C-EZ:** 0-10V Output, -29 to 49°C Temp. Range
- BA/VOM-10-KK-C-EZ:** 0-10V Output, 0 to 85°C Temp. Range
- BA/VOM-10-MM-C-EZ:** 0-10V Output, -40 to 60°C Temp. Range

%RH PART NUMBERS:

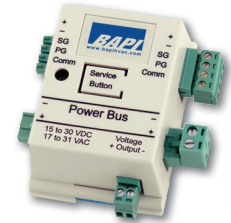
- BA/VOM-05-M-EZ:** 0-5V Output, 0-100% RH
- BA/VOM-05-N-EZ:** 0-5V Output, 35-70% RH
- BA/VOM-10-M-EZ:** 0-10V Output, 0-100% RH
- BA/VOM-10-N-EZ:** 0-10V Output, 35-70% RH

FULL SCALE PART NUMBERS:

- BA/VOM-05-AO-EZ:** 0-5V Output Full Scale
- BA/VOM-10-AO-EZ:** 0-10V Output Full Scale

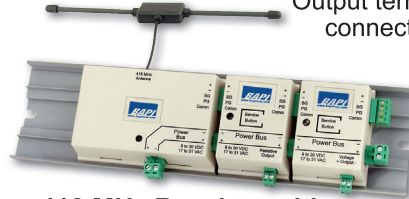
See end of Section F for list pricing.

Note: Custom Ranges are available. Call BAPI for details.



Voltage Output Module - VOM

(includes the Voltage Output terminal block connector only)



418 MHz Receiver with two Analog Output Modules

Specifications

Supply Power: (half wave)

0-5Vdc models: 9-30 VDC or 17-31 VAC
0-10Vdc models: 15-30 VDC, 17-35 VAC

Output Voltage Range:

0-5 Volts or 0-10 Volts (factory calibrated)

Output Current: 1 mA max

Power Consumption:

11.9 mA max. DC, .4 VA max. AC,

Lost Comm. Timeout: 15 min. (Fast Flash)

Temp. & Full Scale revert to 0 volts
%RH reverts to high scale (5V or 10V)

Bus Cable Distance:

4,000 ft with shielded, twisted pair cable (Belden 9841, Belden 8132 or equivalent)

Output Resolution: 10 bit, 1024 counts

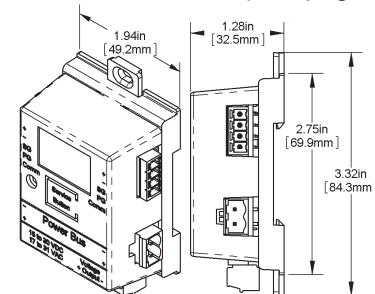
Environmental Operation Range:

Temp: 32°F to 140°F (0°C to 60°C)
Humidity: 5% to 95% RH non-condensing

Material: ABS Plastic

Material Rating: UL94, V-0

Accessory Terminals: BA/AOM-CONN (See page 20)



Voltage Output Module

