

Spyder Model 5

COMPACT VAV CONTROLLER

WEB-VA423B24N

Honeywell

MOUNTING INSTRUCTIONS

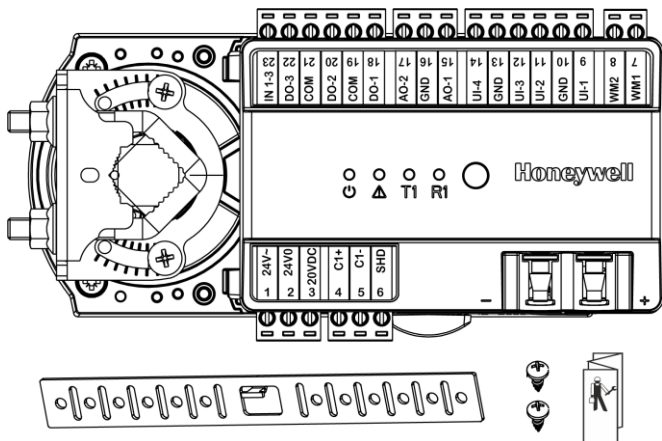
E Keep these instructions together with the device or with the equipment documentation!

F Cette instruction est à conserver avec le contrôleur ou avec la documentation de l'installation !

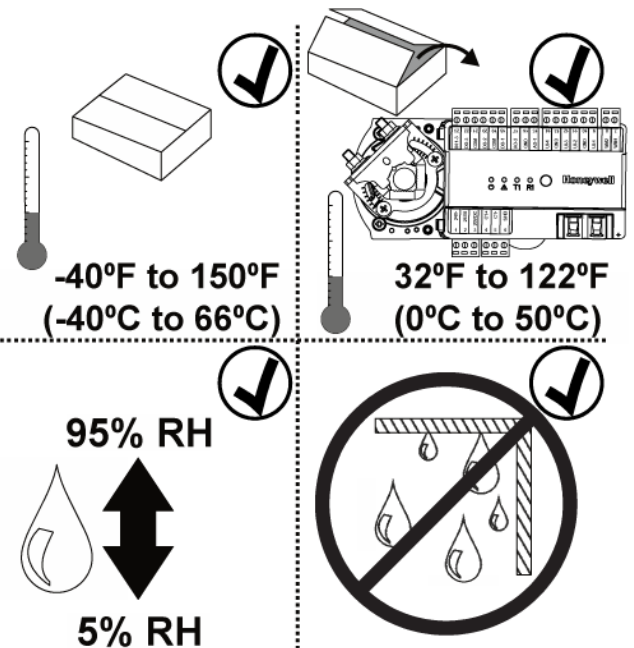
ES Conserve estas instrucciones con el recalar o con la documentación de la instalación.

1. CONTENT OF SHIPMENT

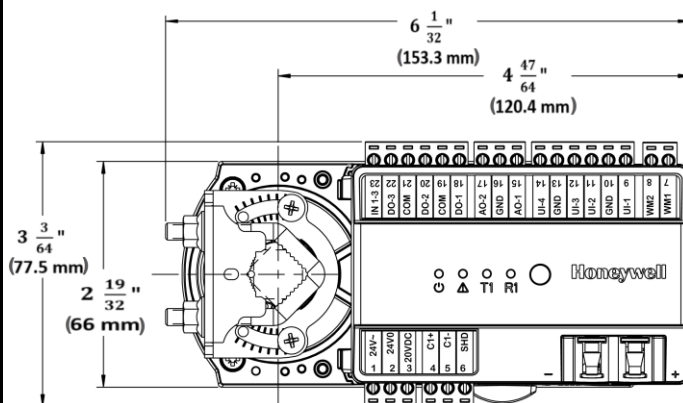
- Controller: 1 Qty
- Anti-rotate Bracket: 1 Qty
- Screws for fixing Anti-rotate bracket: 2 Qty
- Mounting Instructions: 1 Qty (Spyder Model 5 COMPACT VAV CONTROLLER WEB-VA423B24N - Mounting instructions (31-00347-01))



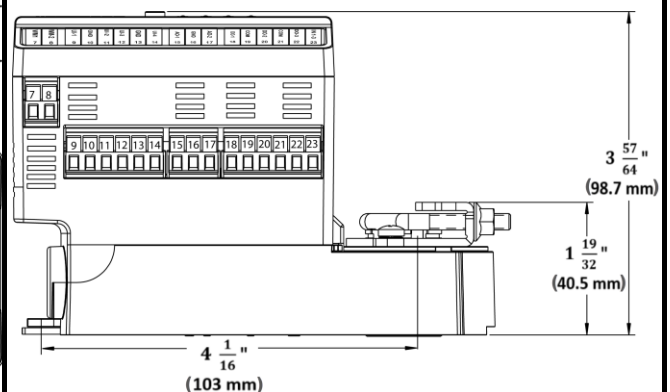
2. STORAGE AND OPERATION



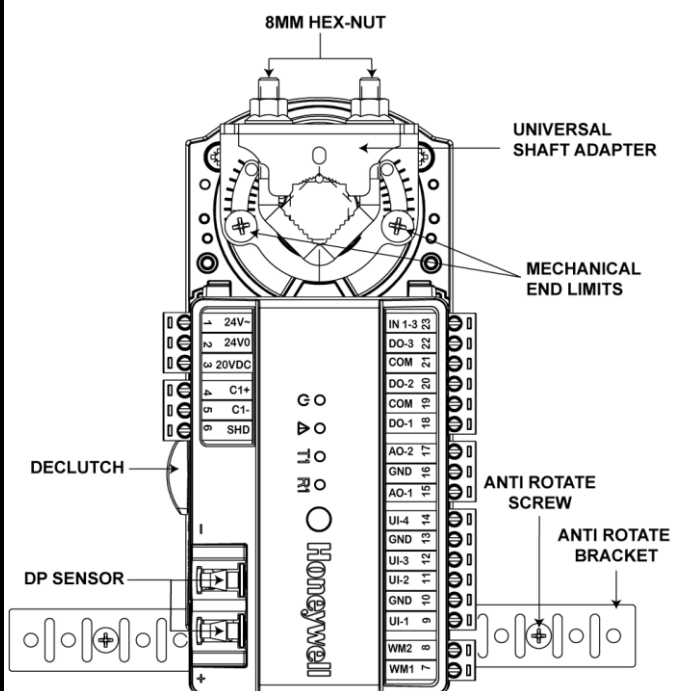
3. DIMENSIONS



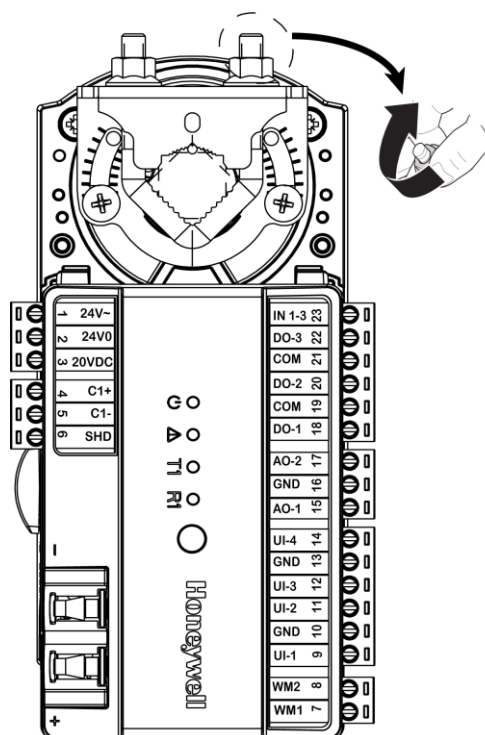
3A. DIMENSIONS



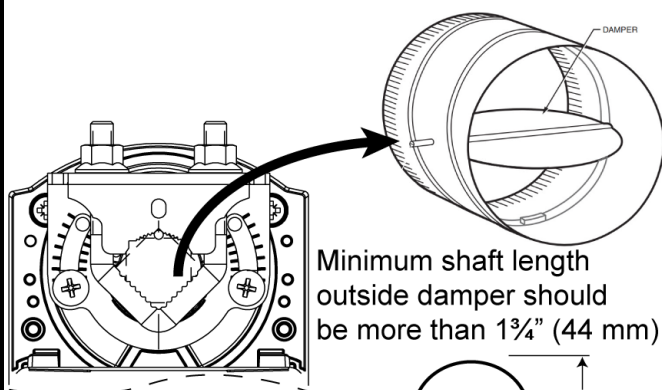
4. PART NAMES



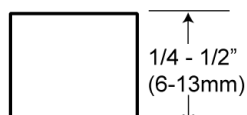
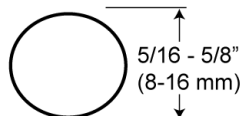
5. MOUNTING



5A. MOUNTING

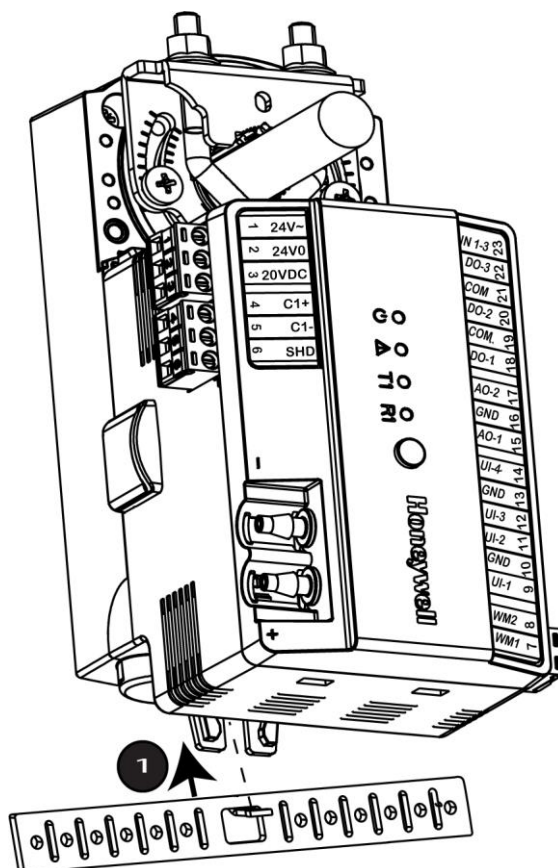


Minimum shaft length outside damper should be more than 1³/₄" (44 mm)

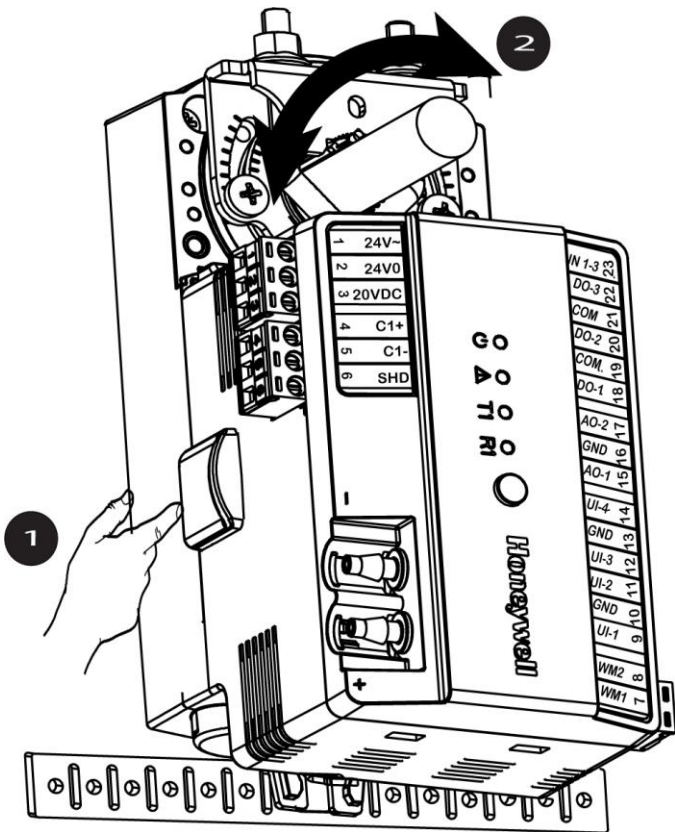


* The Controller can be mounted in any position, depending on VAV boxes and position of the damper shaft.

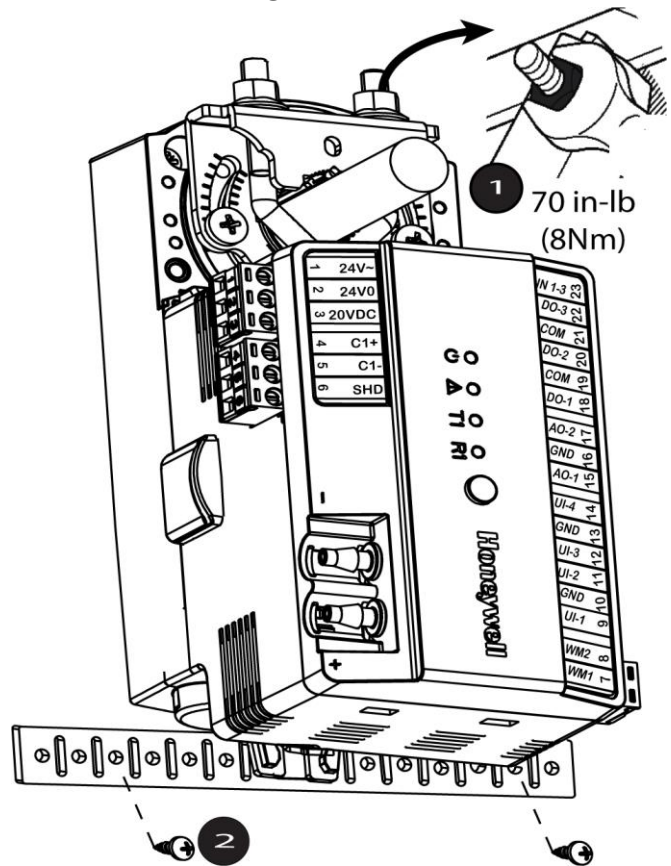
6. ATTACH ANTI-ROTATE BRACKET



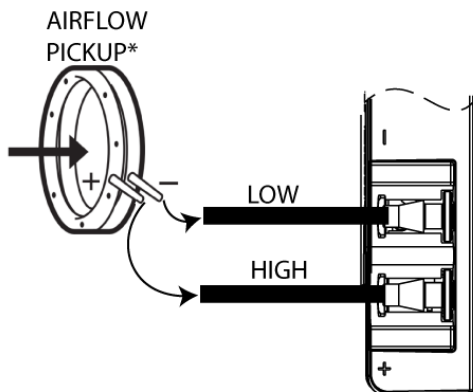
7. ADJUST SHAFT ADAPTER



8. FASTEN THE CONTROLLER ON DAMPER SHAFT



9. PIPING



* Maximum pressure: 0 - 2.0" H₂O (0-500 Pa)



Blowing and sucking air through mouth into the pressure tubes will damage the pressure sensor.

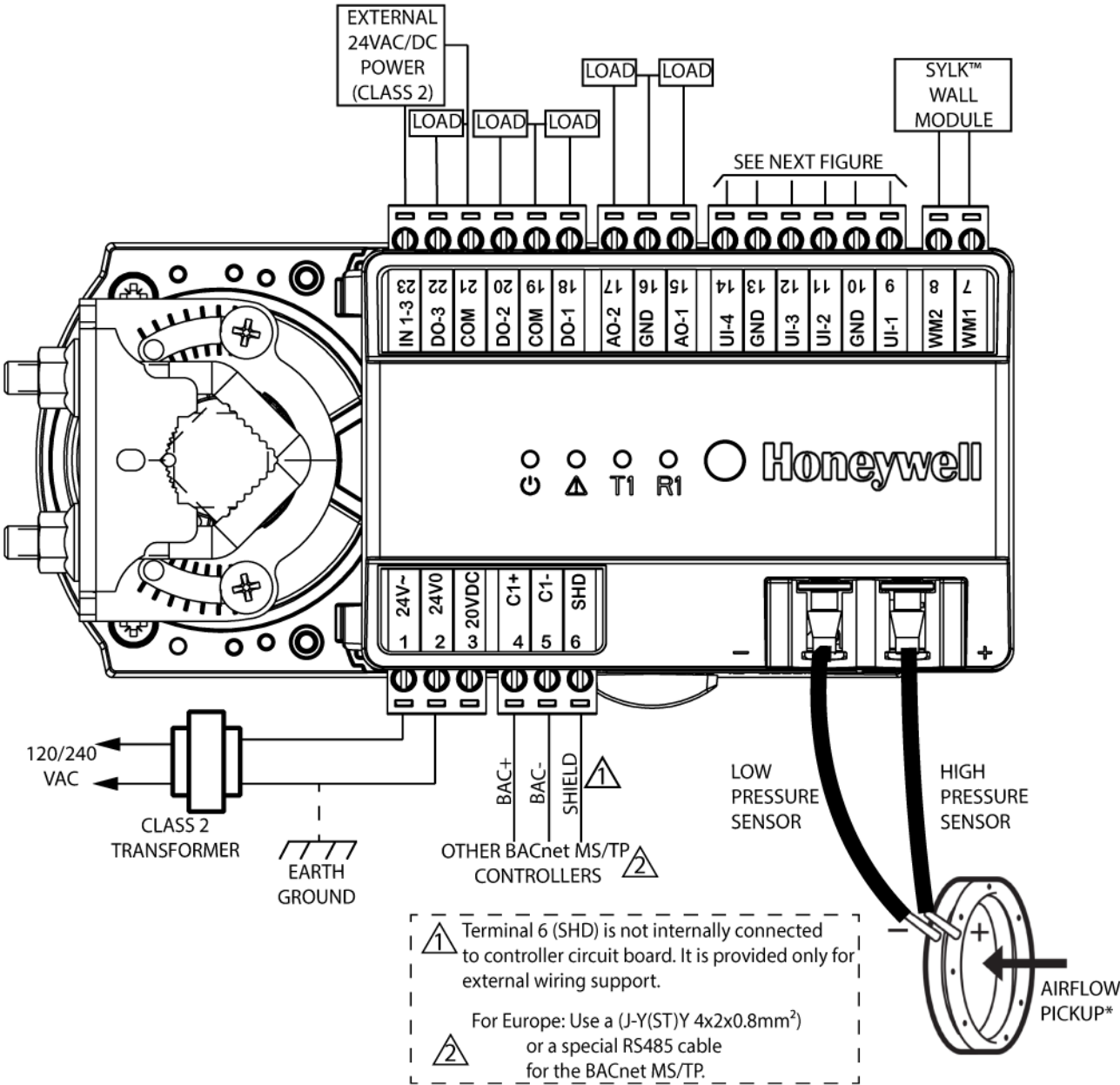
10. SEE ALSO



COMPACT VAV CONTROLLER WEB-VA423B24N

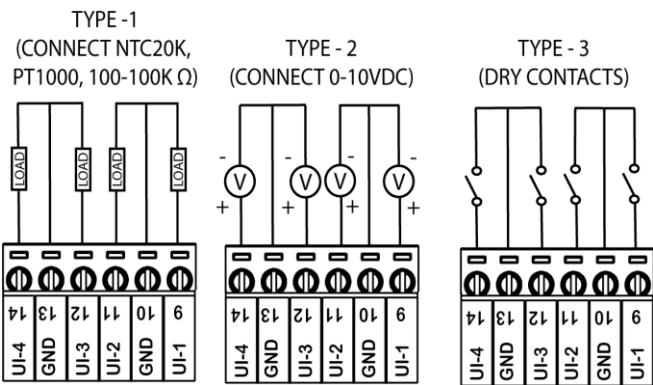
- PRODUCT DATA: 31-00361
- INSTALLATION INSTRUCTIONS: 31-00362

11. WIRING

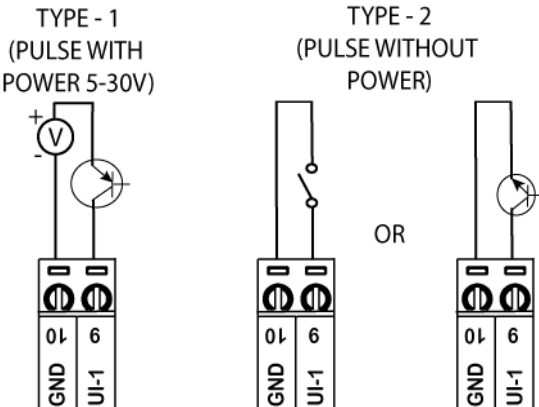


Use wiring up to 18 AWG (0.8mm²) with a minimum of 22 AWG (0.3mm²)

12. WIRING (UI)



13. PULSE METER (UI-1 ONLY)



SPECIFICATIONS OF THE CONTROLLER

Power supply	24 VAC, 50/60Hz, Class 2 transformer
Power consumption	• Controller with all connected loads: 100 VA maximum • Controller only: 20 VA maximum
Ambient Temperature	32 °F to 122 °F (0 °C to 50 °C)
Storage Temperature	-40 °F to 150 °F (-40 °C to 66 °C)
Humidity	5-95% R.H. non-condensing
Dimension	See pictures 3 and 3A
Degree of Protection	IP20

NOTE

The Actuator, COVA must be used in combination with the controller WEB-V423B24N. See "Product Data 31-00361" for individual part model numbers.

WARNING

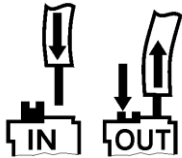
- Do not install to, and/or cover a junction Box having class 1, 3 or power and lighting circuits.
- Do not reclassify and install as Class 1, 3 or power and lighting wiring.



CAUTION

To reduce the risk of fire or electric shock do Not Interconnect the outputs of different Class 2 circuits.

WIRING PUSH-IN TERMINAL PLUGS



use Cu only

STANDARDS, APPROVALS, ETC.

PURPOSE OF CONTROL: Operating control and multifunctional non-safety control intended for HVAC in home (residential, commercial, and light-industrial) environments

- UL 916 Certified
- UL 2043 Certified
- CE-approved
- FCC part 15B-compliant
- IC (Industrial Canada)
- CB Certificate
- RoHS conformity

SHOCK PROTECTION: Class II.

POLLUTION DEGREE: 2.

RATED IMPULSE VOLTAGE: 0-30 VDC

TYPE OF ACTION: Type 1

SOFTWARE CLASS: A

NOTE: Keep AC mains supply/load cables separate from signal wiring!

RELAY SPECIFICATIONS



CAUTION

RISK OF ELECTRICAL SHOCK OR EQUIPMENT DAMAGES! It is not permitted to combine low voltage and line voltage in the relay block.

WEEE DIRECTIVE

WEEE: Waste Electrical and Electronic Equipment Directive	
	▪ At the end of the product life, dispose of the packaging and product in an appropriate recycling center. ▪ Do not dispose of the device with the usual domestic refuse. ▪ Do not burn the device.

Honeywell Building Technologies

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