

TEC/Actuator Package



The offering pairs a terminal equipment controller (TEC) with a GDE131.1U Actuator on a common plate. The TEC/Actuator Package reduces installation time, and therefore cost, by providing the Field Installer a pre-assembled package that mounts in less time than what is required to separately mount the components. It is a low cost solution for field applications requiring VAV or CV applications with an electronic actuator.

TEC Controller Specifications

Power Requirements	
Operating Range	24 Vac +/-15%, 50 or 60 Hz (limited by actuator)
Power Consumption @ 24 Vac (plus loads)	Nominal 3.5 V Peak 5 VA (plus 12 VA per DO)
Dimensions-6 DO board assembly (in.)	4-1/8" W x 7-11/16" L x 1-27/32" H (105 mm x 195 mm x 47 mm)
Dimensions-Autozero module w/bracket (in.)	2-15/32" W x 3-3/4" L x 1-1/16" H (63 mm x 95 mm x 27 mm)
Dimensions-Plate (in.)	Without AZM: approx. 10" x 6.5" With AZM: approx. 10" x 7.5"

Ambient Conditions	
Shipping & Storage Temperature	-22°F to 140°F (-30°C to 60°C) (limited by actuator)
Operating Temperature	32°F to 122°F (0°C to 50°C)
Humidity Range	5% to 95% rh (non-condensing)

Agency Listings	
UL Listing	UL 916, PAZX, UDTZ
cUL Listed	Canadian Standards C22.2 No. 205
FCC Compliance	FCC Part 15, Class A

Actuator Specifications

Power Requirements	
Operating Range	24 Vac +/-15%, 50 or 60 Hz
Power Consumption	2.3 VA

Function	<ul style="list-style-type: none"> - Torque: 44 lb-in. (5 Nm) - Runtime for 90° opening or closing: 90 second at 60 Hz (108 second at 50 Hz) - Nominal angle of rotation: 90° - Maximum angular rotation: 95°
Equipment Rating	UL – Class 2, CSA Class III per EN60730
Mounting	<ul style="list-style-type: none"> - Shaft size: 3/8" to 5/8" (8 mm to 16 mm) - Minimum shaft length: 1-1/2" (38 mm)

Housing	
<ul style="list-style-type: none"> - Material - Gear lubrication 	Durable plastic Silicone free
Miscellaneous	
<ul style="list-style-type: none"> - Pre-cabled connection - Life cycle 	18 AWG Designed for over 50,000 full stroke cycles at rated torque and temperature

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Agency Listings	
UL Listing	UL 873
cUL Listed	Canadian Standards C22.2 No. 24-93

Product Ordering Information

Product	Description		
	TEC	Autozero Module	Actuator
	Variable Volume		
550-065N	540-100N*	—	GDE131.1U*
550-066N	540-100N*	540-378*	
	Constant Volume		
550-067N	540-103N*	—	
550-068N	540-104N*	540-378*	

*To replace a component, order the individual component part number, not the “product” number.