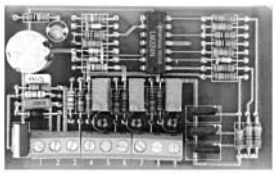
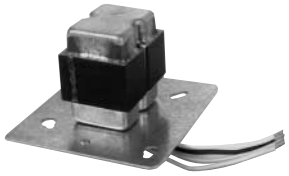
Electronic Accessories

We'll help solve any application problem with a wide range of accessories and unparalleled customer service.





The Belimo Difference

- *Customer Commitment.*
  Extensive product range. Competitive project pricing. Application assistance. Same-day shipments. Free technical support. Five year warranty.
- *Low Installation and Life-Cycle Cost.*
  Easy installation. Accuracy and repeatability. Low power consumption. No maintenance.
- *Long Service Life.*
  Components tested before assembly. Every product tested before shipment. 20+ years direct coupled actuator design.

Electronic Accessory Usage Chart

See Page No.	235	108	129	148		109	130	228		229	230	231	233	233	233	232	235	236	192	198	197
Description	Actuator Power Supply Simulator	Auxiliary Switch(es)	Auxiliary Switch(es)	Auxiliary Switch(es)	Shaft Mount Auxiliary Switch	Feedback Potentiometer	Feedback Potentiometer	Positioners	Interface Wiring Harness	Pulse Width Modulation Interface	Input Rescaling Module	Analog to Digital Switch	Resistor for 4 to 20 mA Conversion	50% Voltage Divide	Resistor Kits for multiple actuators with Honeywell Series 90 controllers	Battery Back-Up Module	Transformer	Thermostat / Heater Kit	MFT Handy Tool	MFT Configuration Software	PC Interface for MFT-P US
BELIMO ACTUATOR / Part Number	PS-100	S1, S2	SA1 US, SA2 US	SN1 US, SN2 US	P-370	P...	PA...	SGA24, SGF24	10387	PTA-250	IRM-100	ADS-100	ZG-R01	ZG-R02	ZG-R03, ZG-R05, ZG-R06	NSV24 US	ZG-X40	ZG-HTR	MFT-H Set US	MFT-P US	ZIP-RS232 US
AF24 (-S) US	●				●												●	●			
AF120 (-S) US	●				●													●			
AF230 (-S) US	●				●													●			
AF24-SR (-S) US	●				●			●		●		●	●	●			●	●			
AF24-MFT (-S) US	●				●			●				●	●	●		●	●	●	●	●	●
AF24-MFT95 US	●				●										●		●	●	●	●	●
AF24-PC US	●				●												●	●			
NF24 (-S) US	●				●												●	●			
NF120 (-S) US	●				●													●			
NF24-SR (-S) US	●				●			●		●		●	●	●			●	●			
NF24-MFT US	●				●			●				●	●	●		●	●	●	●	●	●
LF24 (-S) US	●				●												●				
LF120 (-S) US	●				●																
LF230 (-S) US	●				●																
LF(C)24-3... US	●				●												●				
LF24-SR... US	●				●			●		●	●	●	●	●			●				
LF24-ECON... US	●				●			●									●				
LF24-MFT... US	●				●			●	●			●	●	●		●	●		●	●	●
TF24 (-S) US	●																●				
TF120 (-S) US	●																				
TF24-3 (-S) US	●																●				
TF24-SR (-S) US	●							●		●	●	●	●	●			●				
GM24 US	●	●				●										●	●				
GM24-SR US	●	●				●		●		●	●	●	●	●		●	●				
GM24-MFT US	●	●				●		●				●	●	●		●	●		●	●	●
AM24 (-S) US	●		●		●		●									●	●				
AM24-SR US	●		●		●		●	●		●	●	●	●	●		●	●				
AM24-MFT US	●		●		●		●	●				●	●	●		●	●		●	●	●
AM24-MFT95 US	●		●		●		●								●		●		●	●	●
AM24-PC US	●		●		●		●										●				
SM24-S US	●				●												●				
NM24 US	●			●	●											●	●				
NM24-SR US	●			●	●			●		●	●	●	●	●		●	●				
NM24-MFT US	●			●	●			●			●	●	●	●		●	●		●	●	●
NMQ24-MFT US	●			●	●			●				●					●		●	●	●
LM24-3 (-5P0) (-T) US	●				●											●	●				
LM24 (-S) (-10P) US	●				●												●				
LM24-SR (-T) US	●				●			●		●	●	●	●	●		●	●				
LMC24-SR US	●				●			●		●	●	●	●	●			●				
LM24-MFT US	●				●			●				●	●	●		●	●		●	●	●

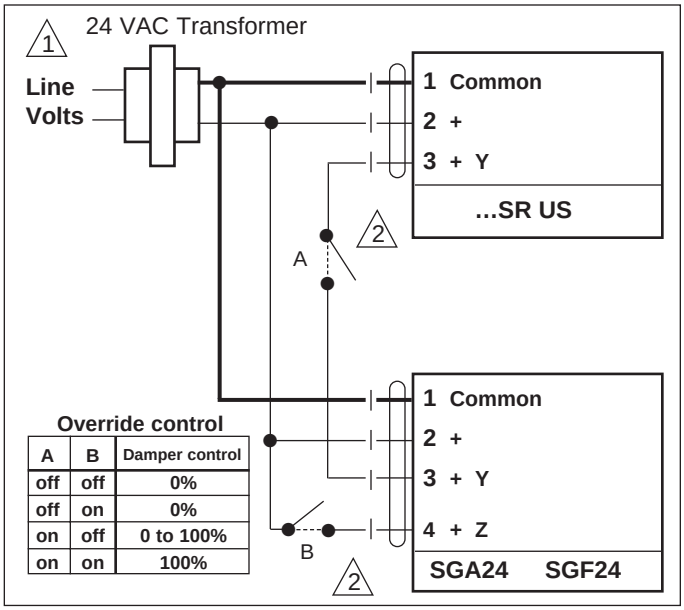
SGA24, SGF24 Positioners

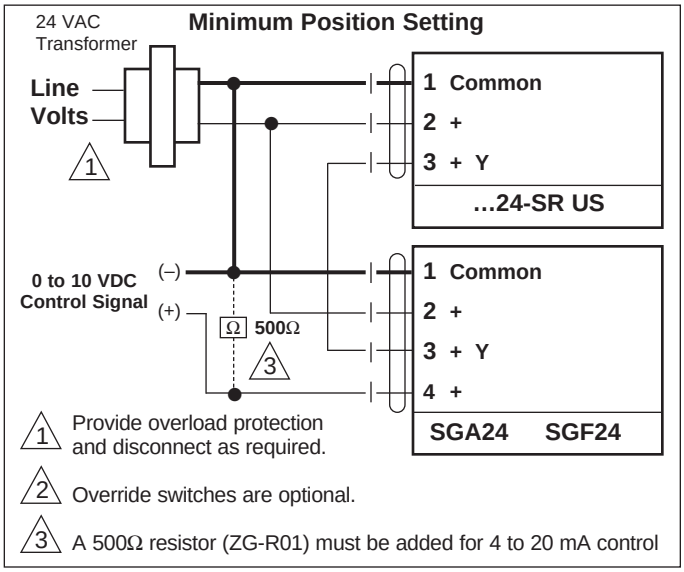
For proportional actuators with a working range of 0 to 10 VDC or 2 to 10 VDC


SGA24


SGF24

Wiring diagram





Technical Data	SGA24, SGF24
Power supply	24 VAC ± 20% 50/60 Hz 24 VDC ± 10%
Transformer sizing	1 VA
Control signal Y	0.5 to 10 VDC; 2 to 10 VDC (switchable)
Power output	up to 10 actuators (1 mA max)
Degree of protection	(SGA24 only NEMA 4 [1P54])
Connection	Terminals (14 ga. wire max)
Humidity	5 to 95% RH non-condensing

Application

These positioners are intended for the remote control of modulating actuators or for use as a minimum positioner (providing a minimum limit for the output signal from a modulating controller). The control range is 0 to 100% of the angle of rotation of the actuator.

Positioner SGA24 is for surface mounting with a NEMA 4 housing included. Positioner SGF24 is for flush mounting.

Operation

The positioner receives its supply voltage through terminals 1 and 2. A rotary knob is turned, producing a proportional control signal (Y) at the output (terminal 3) **of either 0.5 to 10 VDC or 2 to 10 VDC** and therefore a proportional change in the position of the actuator between 0 and 100%. When used for a minimum limit, the positioner works as a higher of 2 signal selector. This function allows only the signal from the controller or positioner, whichever is greater, to go to the actuator.

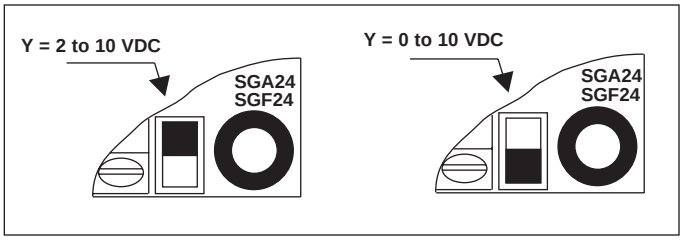
Function

The changeover from 2 to10 V to 0 to 10 V is selected by means of a slide switch on the printed circuit board.
The angle of rotation of the knob can be limited mechanically, by moving the adjustable stops under the knob.

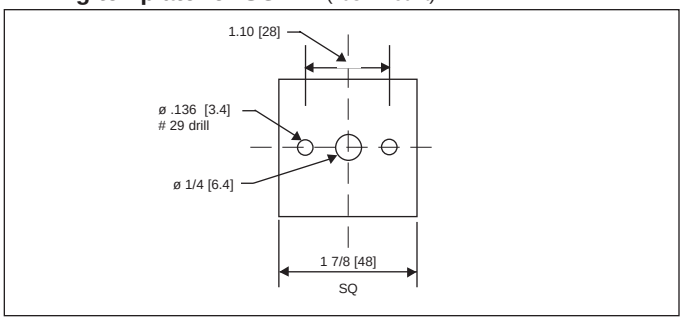
Accessory

ZG-SGF Mounting plate for single gang wiring box

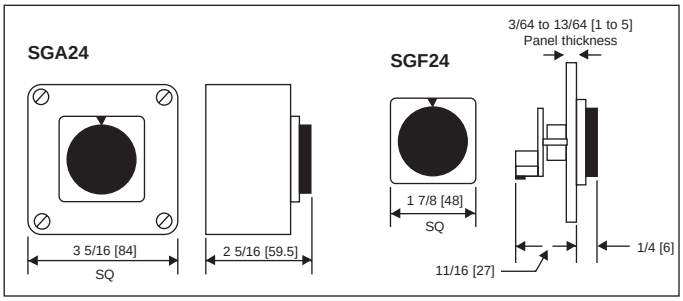
Changeover switch



Drilling template for SGF24 (flush mount)



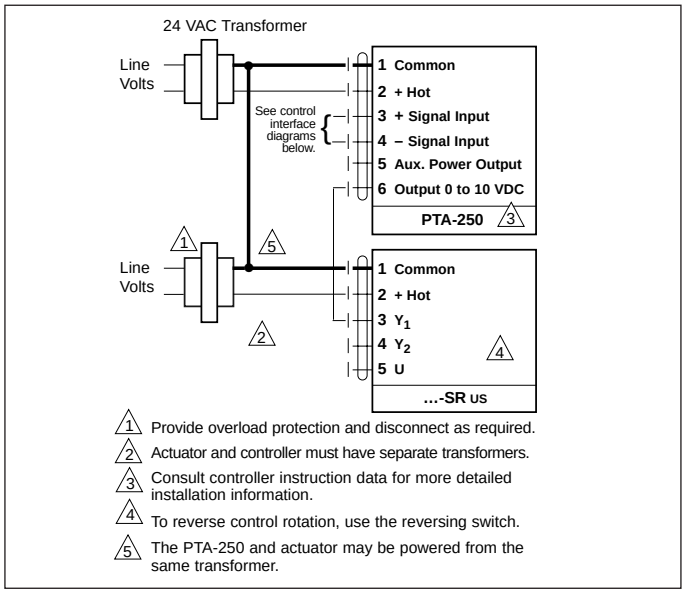
Dimensions [All numbers in brackets are in millimeters.]



Pulse Width Modulation Interface PTA-250

To convert a pulse width modulated signal to a 2 to 10 VDC signal for Belimo proportional actuators. (Series 3)

Wiring diagram



Technical Data	PTA-250	
Power supply	24 VAC ±15% 24 VDC ±15%	
Power consumption	<1 W	
Transformer sizing	2 VA	
Input		
isolation:	optically isolated (when wired as such)	
type:	normal or triac, jumper selectable	
trigger level:	12 to 24 VAC/VDC or dry contact to com	
time between trigger pulses:	12.5 milliseconds min	
impedance:	VAC - 500 Ω, VDC - 10 KΩ	
pulse duration/ resolution:	four selectable ranges, in seconds of dry contact or SSR closure ± 40% of signal increment	
Range 1: 0.0235 to 6 seconds/in 0.0235 sec increments		
Range 2: 0.0196 to 5 seconds/in 0.0196 sec increments		
Range 3: 0.1 to 25.5 seconds/in 0.100 sec increments		
Range 4: 0.59 to 2.93 seconds/in in 0.0092 increments		
Output	- voltage:	2 to 10 VDC
	- current:	15 mA max
	- accuracy:	± 2%
Electrical connection	wire terminals, 14 gauge max	
Ambient temperature	-20°F to +150° F [-30°C to +65° C]	
Operating humidity	5% to 95% non-condensing	
Mounting	Snap-Track (provided)	
Dimensions	- board:	2 3/16" x 2 3/16" x 9/16"
	- with Track:	2 3/8" x 2 1/4" x 15/16"
Weight	1.5 oz	

Application

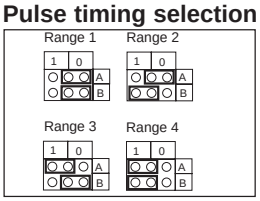
The PTA-250 converts a single pulse-width modulated input to an analog, 2 to 10 VDC, output to modulate a Belimo -SR actuator. The PTA-250 is available for replacement of existing installations. The …MFT product can replace 100% of the PTA-250 applications, more effectively.

Operation

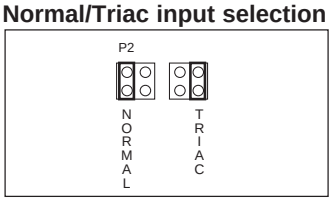
A timed contact or solid state closure from the controlling microprocessor controller is converted to a linear analog output with 256 steps of resolution. The last output is held until the PTA-250 receives the end of the next pulsed output. The PTA-250's output will not wrap around if an excessively long input pulse is received. Four input pulse clock rates are jumper selectable. Normal/Triac input positions are also jumper selectable. The input signal can be optically isolated from the PTA-250 circuit and can accept either positive or negative polarity. A red LED indicator is provided to indicate that power is applied to the PTA-250 and that the microprocessor is functioning. A green LED indicator is provided to indicate the presence of a pulse from the controller.

Note: The onboard zero and span adjustments are not for field use.

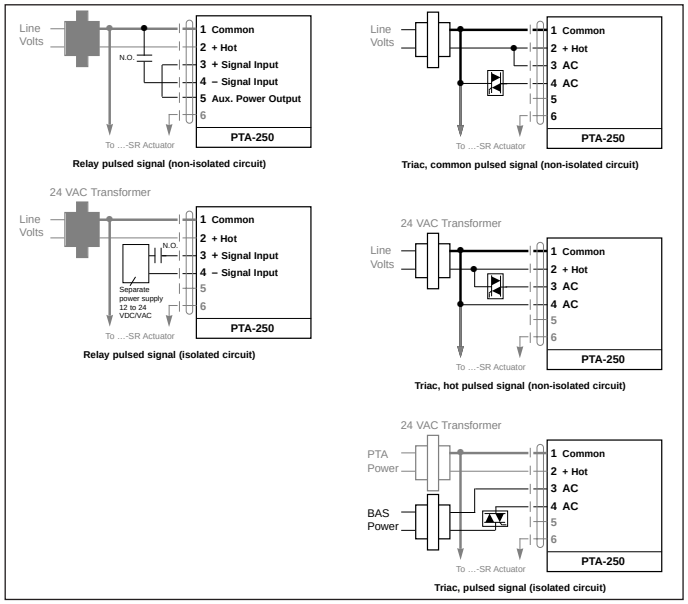
Pulse timing selection



Normal/Triac input selection

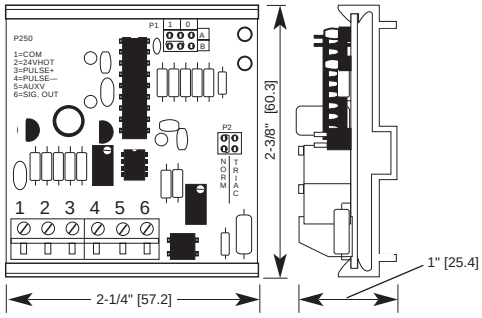


Control interface drawings



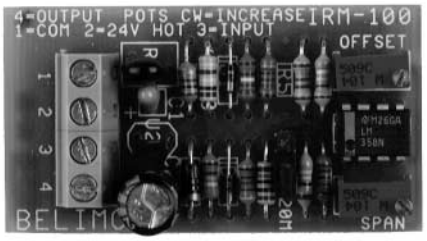
Dimensions [All numbers in brackets are in millimeters.]

PTA-250

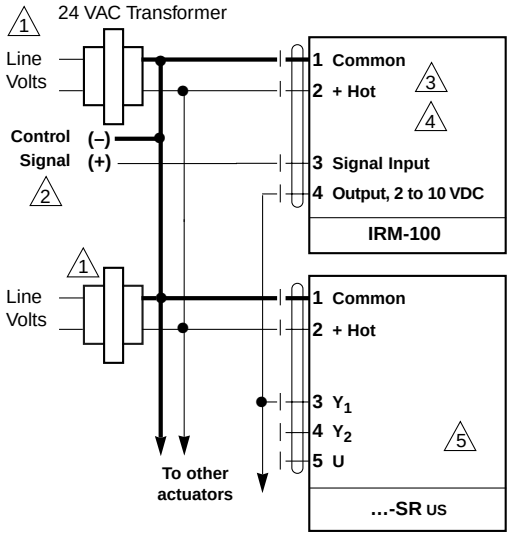


IRM-100 Input Rescaling Module

To adjust the zero start point and working span of Belimo proportional (. . –SR) actuators. (Series 3)



Wiring diagram



1 Provide overload protection and disconnect as required.

2 The controller should be powered from a separate transformer.

3 The actuator and IRM-100 may be powered from the same transformer.

4 Consult controller instruction data for more detailed installation information.

5 To reverse control rotation, use the reversing switch.

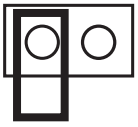
Technical Data	IRM-100	
Power supply	supply voltage:	24 VAC ± 15% 24 VDC ± 15%
Power consumption	< 1 watt	
Transformer sizing	1 VA	
Input voltage:	max voltage:	25 VDC
	zero (starting point):	0 to 18 VDC
	span adjustment:	2.6 to 17 VDC
	impedance:	400 KΩ
current:	0 to 20 mA	
	impedance:	500 Ω
Output	voltage:	2 to 10 VDC
	current:	15 mA max
Electrical connection	wire terminals, 14 gauge max	
Ambient temperature	-20° F to +150°F [-30° C to +65° C]	
Humidity	5 to 95% RH non-condensing	
Mounting	Snap-Track (provided)	
Dimensions	board:	1 3/16" x 2 3/16" x 9/16"
	w/Snap-Track:	1 7/8" x 2 3/8" x 15/16"
Weight	.9 oz.	

Application

The IRM-100 input rescaling module is designed to change non-standard voltage or current signal levels into a 2 to 10 VDC output to modulate Belimo -SR type actuators. The IRM-100 is available for replacement of existing installations. The …MFT product can replace 100% of the IRM-100 applications, more effectively.

Operation

The IRM-100 is installed between a controller and a Belimo ...-SR actuator. The module can be adjusted to work with a zero offset of 0 to 18 VDC and a span range of 2.6 to 17 VDC. The IRM-100 has a 2 pin jumper mounted to the circuit board. When the jumper is connected between these 2 pins, a 4 to 20 mA signal can be fed directly into the IRM. The result being the conversion of a wide range of analog control signals to a 2 to 10 VDC range.



Jumper not connected to both pins for voltage applications (as shipped)

Jumper on both pins for 4 to 20 mA applications

The IRM may also be used to sequence several actuators from one signal source. This is done by adjusting the IRM units to work at different in put ranges.

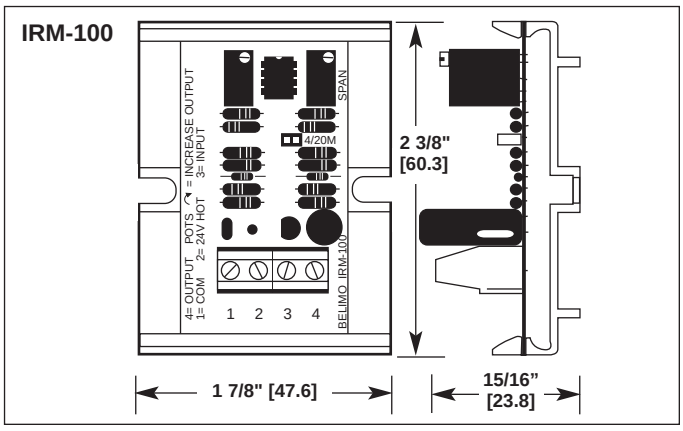
IRM-100 used as a current amplifier

In some applications, the capacity of a controller output may not have current available to control multiple end devices. An example would be a controller which has an output current of .5 mA maximum. If 10 AF24-SR US actuators have to be driven from the same output, the current requirement would be I = E/R = (10 volts)/(100000 Ω) = .1 mA for each actuator. For the 10 actuators, 1 mA of current would be necessary to properly control the actuators.

The IRM-100 may be used as an interface to provide a higher current capacity to the system. The IRM-100 has an output capacity of 15 mA. This higher level output can handle a greater number of actuators. By calibrating the IRM-100 for a 2 to 10 VDC input to achieve a 2 to 10 VDC output, IRM-100 provides this added capacity for the system.

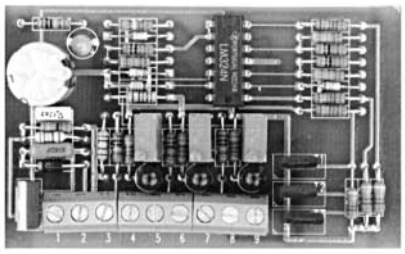
The same circuit will also work if a 4 to 20 mA signal is used. A 500 Ω resistor is placed across terminal #1 and #3 which converts the 4 to 20 mA to 2 to 10 VDC.

Dimensions [All numbers in brackets are in millimeters.]

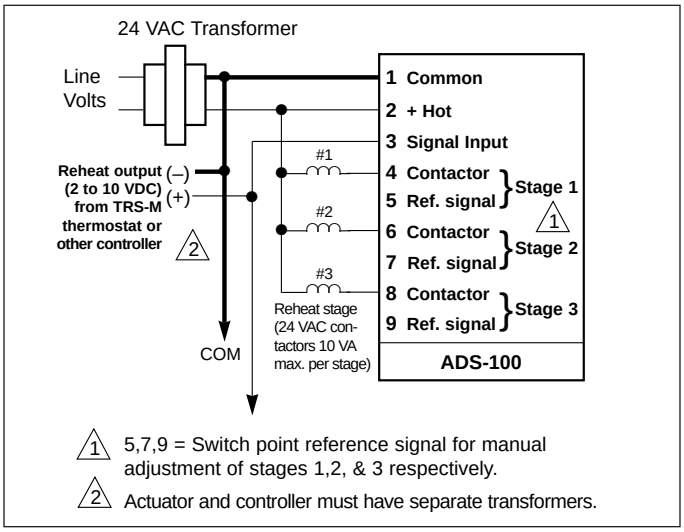


Analog to Digital Switch ADS-100

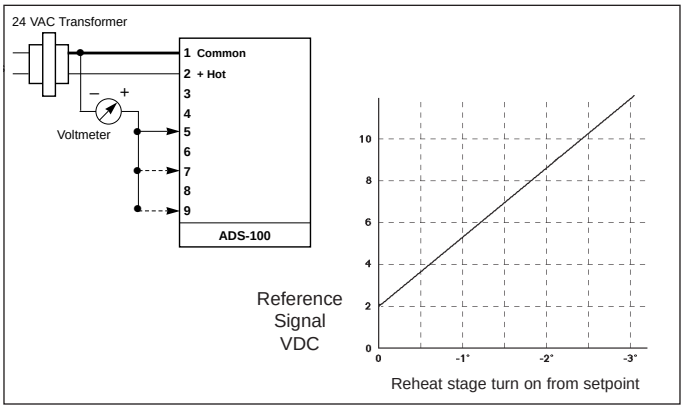
For Belimo proportional (. . –SR) actuators.



Wiring diagram



Switchpoint adjustment drawings



Technical Data	ADS-100
Power supply	24 VAC ± 20% 50/60 HZ
Power consumption	1.5 W
Transformer sizing	3 VA (not including contactors)
Electrical connection	9 pole wire-terminal
Control input	2 to 10 VDC
Input impedance	100 K Ω
Adjusting range	2.5 to 9.5 VDC
Dead band	0.3°F fixed
Switching capacity	24 VAC 10 VA max. (voltage sinking triac)
Mounting	Snap-Track (provided)
Dimensions	3 1/4" x 2" (3 7/16" x 2" w/snap-track)

Application

To control reheat coils and/or a fan stage in a fan-powered terminal unit. The ADS-100 is controlled by a 2 to 10 VDC reheat output of a temperature controller. (TRS-M)

Operation

The ADS-100 is designed to switch up to three independent stages of reheat on and off, according to a 2 to 10 VDC signal. The three output stages are furnished with a triac output. Each stage can be adjusted independently from each other over the 0 to 2.4° F throttling range of the TRS-M temperature controller.

The ADS-100 is shipped pre-adjusted, as shown in the following table. (Based on differential from setpoint)

	1st. stage	2nd. stage	3rd. stage
Switch ON	-0.45°F	-1.35°F	-2.25°F
Switch OFF	-0.15°F	-1.05°F	-1.95°F
Switch ON	2.8V	5.8V	8.8V
Switch OFF	0.4V	0.2V	0.4V

If desired, each stage may be field readjusted for special requirements. Three red LED indicators are provided to verify when the stages are energized.

Setpoint readjustment

Tools required: small screwdriver, voltmeter.

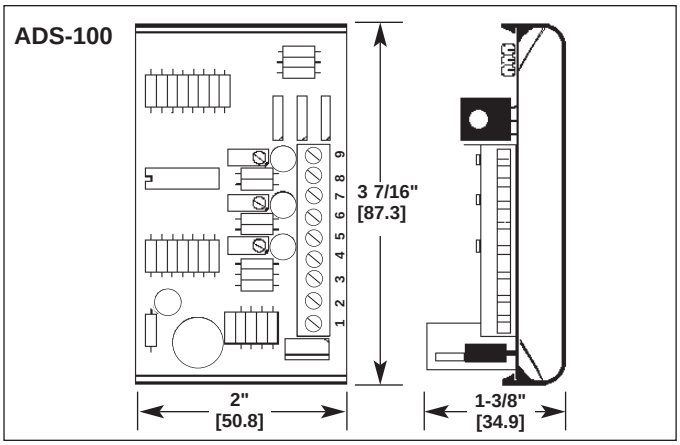
To readjust the output stages, the following procedure is used: Connect the voltmeter to the desired switchpoint reference signal output and terminal 1 (COM). Readjust the switch point reference signal output with the corresponding potentiometer to your desired switch point. The adjustment range is 2.5 to 9.5 VDC. If you go below or above these values the ADS-100 may not switch off or on properly. If this occurs you have to increase or decrease your switching level until the ADS-100 works correctly.

ADS-100 used as an auxiliary switch

The ADS-100 was originally designed as an accessory to switch on stages of electric reheat from an electronic thermostat. However, it can also function as an electronic auxiliary switch from any device which can provide 0 to 10 VDC signal, such as any feedback wire 5 from any …SR or …MFT type actuator.

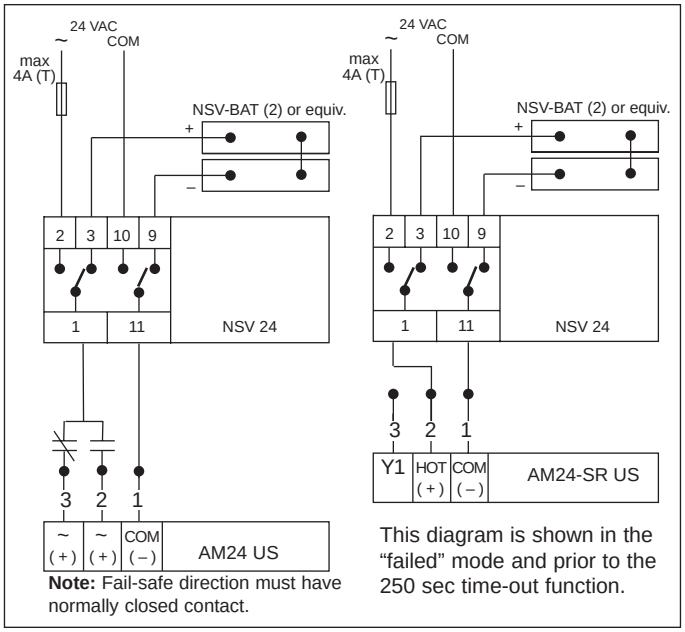
The ADS-100 has 3 triac outputs rated at 10 VA maximum each which will turn on, in sequence, with an increasing voltage.

Dimensions [All numbers in brackets are in millimeters.]



Battery Back-up Module NSV24

Wiring diagram



Note: Fail-safe direction must have normally closed contact.

This diagram is shown in the "failed" mode and prior to the 250 sec time-out function.

Technical Data	NSV24
Power supply	24 VAC ± 20% 50/60 Hz
Fusing	4A slow blow fuse
Power consumption	Min. 5W (without actuator load)
Transformer	8 VA
Batteries	24 V Nominal 1.2 Ah (2-12 volt lead-acid batteries; batteries not supplied with module)
Maintenance	The batteries should be checked annually (approximate life is 6 years)
Charging circuit	Charge current max. 150 mA Charge voltage 24-27 V, temperature compensated
Battery back-up operation	24 V nominal 1.2 Ah, max. 60 W auto shut off after 250 seconds
Indication LED	Green - Main power source operation (battery will be charged) Red - Battery back-up operation
Mounting	Mounted in the control panel with an 11 terminal plug-in base (not supplied with module)
Ambient temperature	14°F to +122°F [-10°C . . . +50°C]

Application

Several Belimo damper actuators can be used either with 24 VAC or 24 VDC.
In case of a power failure, the NSV24 battery back-up unit switches the damper actuator from its main AC power supply over to the 24 VDC battery to drive the actuators to their safety position.
For easy maintenance, the battery back-up system is placed in the control panel, not in the actuator.
Several actuators may be powered by one back-up module.
The batteries are separate from the NSV24.

Operation

The NSV24 is connected to the same 24 VAC power source as the damper actuators. It also charges the 24 V (2-12 volt batteries) storage battery. Its charge current is limited to 150 mA maximum, and the maximum charge voltage is temperature compensated.
In case of a power failure, the NSV24 switches immediately over to the battery power source, and according to the control function, the actuators will move to their safety position.
After 250 seconds, the batteries are disconnected from the actuators to prolong battery life. Because of this, a safe battery back-up can be provided for several short-term failures.
The main power source operation is indicated by a green LED, and the battery power source by a red LED.

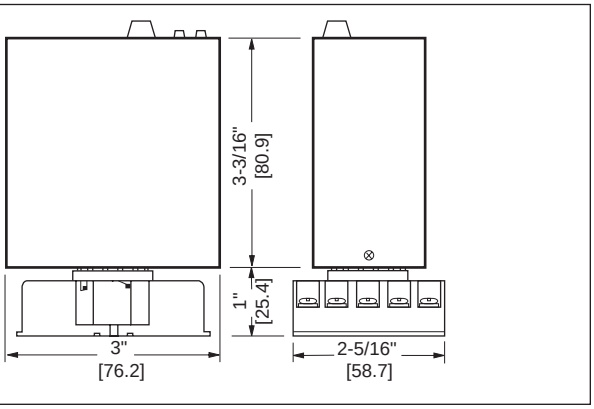
Connectable Actuators

Model	Maximum per module
GM24 US	20
GM24-MFT US	15
GM24-SR US	15
AM24 US	30
AM24-MFT US	30
AM24-SR US	30
NM24 US	30
NM24-MFT US	30
NM24-SR US	30
LM24-3 US	30
LM24-MFT US	30
LM24-SR-2.0 US	30

Accessories

NSV-BAT 12 VDC 1.2 Ah battery (2 required)

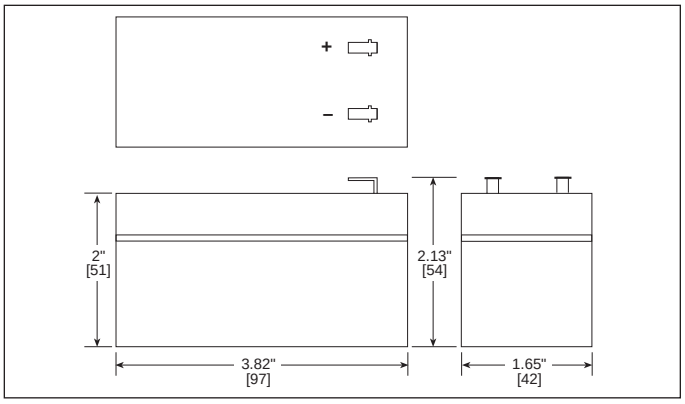
Dimensions [All numbers in brackets are in millimeters.]



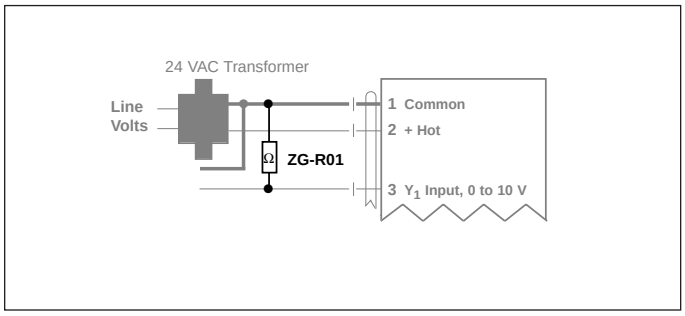
Technical Data	NSV-BAT
Battery type	Lead-acid
Voltage	12VDC
Nominal capacity	1.2 AH
Connections	.187 male spade
Weight	1.32 lb [.6 kg]

Application
The NSV-BAT battery is for use with the NSV24 battery back-up module. It is a sealed, maintenance free, lead-acid battery. Two NSV-BAT batteries are required for one NSV24.

Dimensions [All numbers in brackets are in millimeters.]

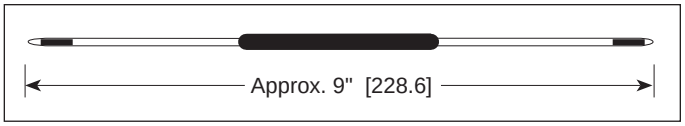


ZG-R01 Resistor for 4 to 20 mA conversions

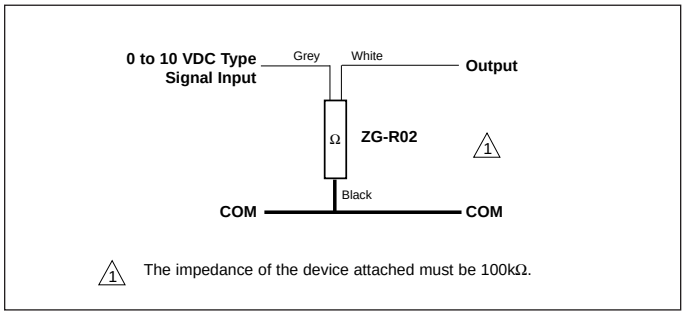


Application
The ZG-R01 is a 499 Ω Resistor which has been encased in a section of heat shrink tubing with short sections of hook up wire.The ZG-R01 is used to convert a 4 to 20mA signal into a 2 to 10 VDC control signal.

Dimensions [All numbers in brackets are in millimeters.]

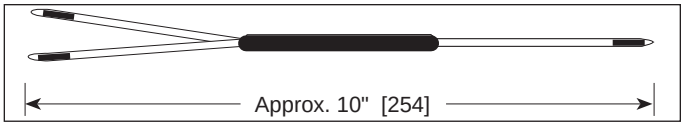


ZG-R02 50% voltage divider



Application
The ZG-R02 is a voltage divider designed so that when connected to a 100 KΩ input impedance, the output signal is 50% if the input signal. The voltage divider circuit is encased in a short section of heat shrink tubing with three short sections of hook up wire.

Dimensions [All numbers in brackets are in millimeters.]



Resistor kits for multiple actuator applications

135 Ω Operation

Number of Actuators	Resistance Ω
2	140
3	71.5
4	47.5
5	37.5
6	28

Resistor Kit No. ZG-R03

4 to 20 mA Operation

Number of Actuators	Resistance Ω
1	237
2	150
3	124
4	113
5	105
6	97.6

Resistor Kit No. ZG-R05

For Honeywell® Electronic Series 90 Circuits (W7100, W973, T775)

Number of Actuators	Resistance Ω
2	1300
3	910
4	768

Resistor Kit No. ZG-R06

Application
For use with the AF24-MFT95 US or AM24-MFT95 US actuators and Honeywell® controllers

ZG-R03 - see table to left
ZG-R05 - see table to left
ZG-R06 - see table to left

ZG-CBNS

Junction Box for NF…(-S) and AF…(-S)* Actuators

ZG-CBNS Junction box

Application
The ZG-CBNS accessory is used when the application requires the wiring terminations to be made at the actuator.

Operation
The ZG-CBNS serves as an electrical junction box. The products that can be used with this accessory are as follows:

NF24 US, NF24-S US, NF120 US NF120-S US
NF24-SR US, NF24-MFT US

AF24 US, AF120 US, AF230 US
AF24-SR US, AF24-MFT US

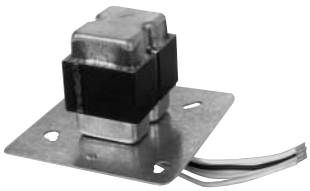
Due to the internal volume of this junction box, according to UL requirements, The ZG-CBNS **CANNOT** be used with the following products:

NF24-S2 US
AF24-S US
AF120-S US
AF230-S US

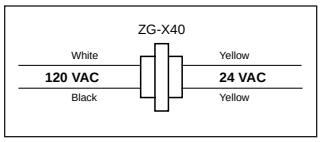
Technical Data	ZG-CBNS
Voltage rating	250 VAC
Electrical connection	Maximum 5 line voltage connection
Housing rating	UL94 5V
Material type	FR/ABS CYCOLAC KJW4051
Ambient temperature	-22°F to+122°F [-30°C to +50°C]
Storage temperature	-40°F to +176°F [-40°C to +80°C]
Agency listing	UL 873 (pending)
Quality standards	ISO 9001
Weight	<.5 lbs

Transformer ZG-X40

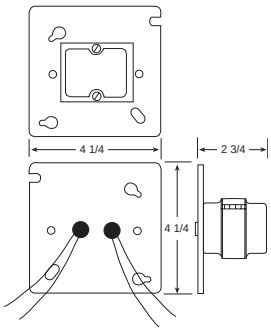
40 VA, 120 to 24 VAC Transformer



Wiring diagram



Dimensions



Application

The ZG-X40 is a 40 VA, 120 to 24 VAC transformer. It is designed so that both the primary and secondary leads exit through the same side of a 4 1/4" square outlet box cover. With this design, all wiring can be done inside a standard J-box with a minimum amount of labor.

Wire Specification

No. 18 AWG leads, 6 1/2" length	
Termination	**Color**
Primary	White-Black
Secondary	Yellow-Yellow

Technical Data	ZG-X40
Primary Voltage	120 VAC 50/60 Hz
Secondary Voltage	24 VAC
Max VA Rating	40 VA
Connections	6 1/2" leads with stripped ends
Type	Class 2
Mounting Method	4 1/4" square outlet box cover
Agency Approvals	UL 1585, CSA 22.2 #66

Maximum Number of Like Actuators per Transformer

Model #	Qty	Model #	Qty
NM24 US	11	GM24-SR US	5
NM24-SR US	13	AF24. . US	4
AM24 US	8	NF24 (-S) US	5
SM24-S US	3	NF 120 (-S) US	5
AM24-SR US	8	NF24-SR US	6
AM24-MFT95 US	8	LF24 US	8
GM24 US	6	LF24-SR US	8

Refers to appropriate actuator documentation for specific VA ratings.

Power supply, signal simulator PS-100

Application

The PS-100 power supply and signal simulator is designed to operate most proportional, floating, and on-off style actuators without the presence of a controller.

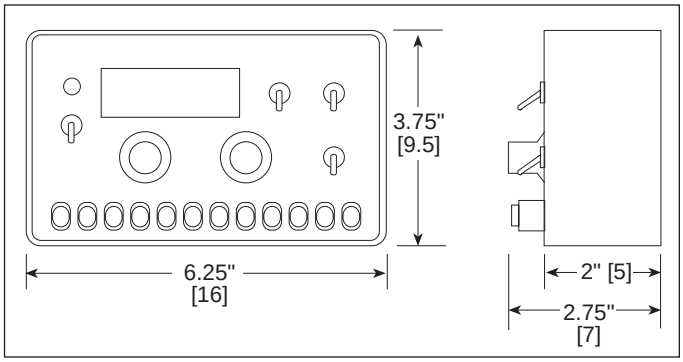
The PS-100 can produce 24 VAC on-off and floating control signal along with a 0 to 10 VDC and 135Ω proportional signal. A multi-function digital display is provided which can read either the 0 to 10 VDC output or a 0 to 10 VDC feedback signal either as voltage or percentage of control.

The PS-100 comes with a 120 to 24 VAC, plug into the wall transformer for power. Both the PS-100 and transformer are supplied in a black fabric carrying case.

Replacement Power Supply: PS-XFMR

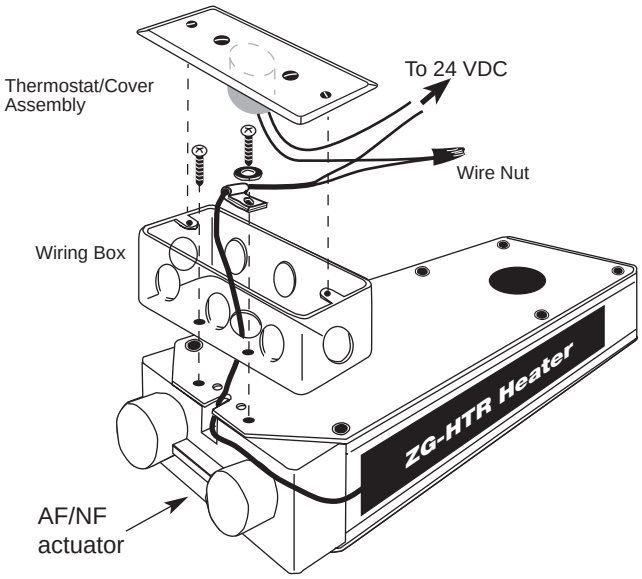
Technical Data	PS-100
Power supply	120 VAC 50/60 Hz
Power consumption	< 4 W without actuator
Transformer	Primary: 120 VAC, 35 W Secondary: 24 VAC, Class 2 trans. PN: PS-XFMR
Terminal outputs	Push-button, wire terminals (12) On-off, Floating Point 135Ω, 0 to 10 VDC
Input	0 to 10 VDC
Display	LCD
Readouts, Output	0 to 10 VDC in volts or percentage based on a 2 to 10 VDC control span
Readouts, Input	0 to 10 VDC in volts or percentage based on a 2 to 10 VDC control span
Weight	3 lbs [1.4 kg] with case

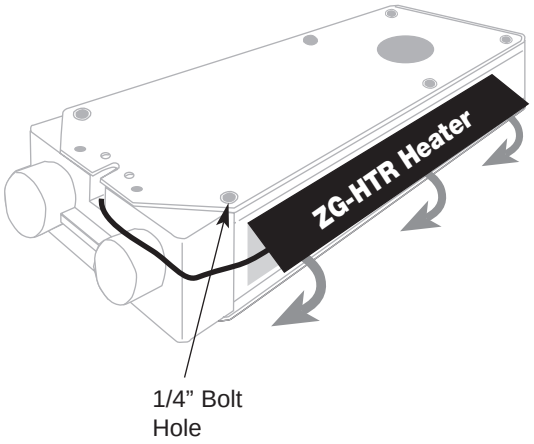
Dimensions [All numbers in brackets are in millimeters.]



ZG-HTR NF/AF Thermostat/heater Kit

For NF/AF Series actuators

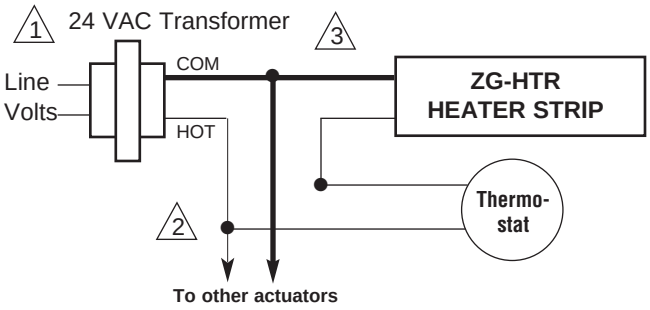




Application

The ZG-HTR Thermostat/Heater kit is designed to be field installed to the NF and AF series actuators. The ZG-HTR provides a thermostatically controlled heater which allows the NF/AF actuators to be used below their normal low ambient temperature rating. At approximately 10° F [-12° C] the heater energizes to maintain the actuators internal temperature to within working limits. The rubberized heating element has an adhesive back which attaches to the side of the actuator housing. The thermostat assembly mounts to the rear of the actuator and provides for the connection of the 24 VAC supply voltage. The actuator/heater assembly should be contained in a housing, similar to the ZS-100 Weather Shield, to achieve best results.

Wiring diagram



1 Provide overload protection and disconnect as required.

2 The ZG-HTR may be wired to the same transformer as the actuator. Total VA ratings must be observed.

3 Power to the ZG-HTR must be applied continuously during the heating season. Do not wire the ZG-HTR to the on-off control signal when on-off type actuators are being used.

Dimensions [All numbers in brackets are in millimeters.]

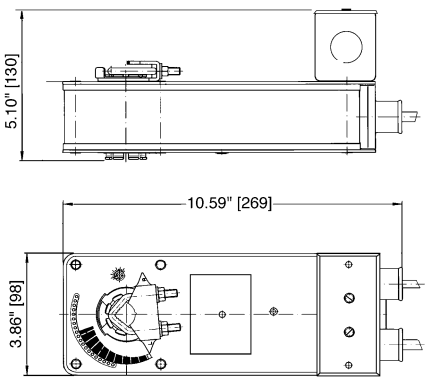
Standard:

∅ 3/8" to 3/4"

□ 3/8" to 5/8"

Optional*

∅ 3/4" to 1.05"



*with K4-1 US clamp

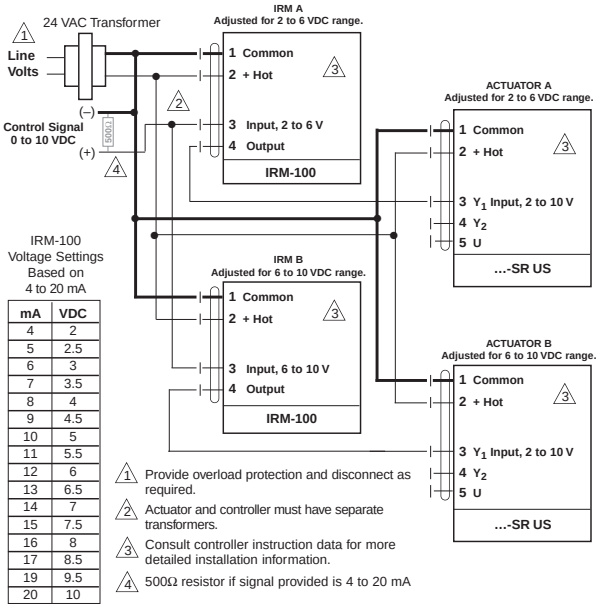
Technical Data	ZG-HTR
Power supply	24 VAC ± 20% 50/60 Hz
Transformer sizing	35 VA
Heater output	35 watts
Actuator low ambient rating	with enclosure: -40° F [-40° C] enclosure with 1" insulation: -58° F [-50° C]
Weight	11 oz [320 g]

Special Control Range Applications

Control Signal	Belimo Actuator	Accessory	Notes
1 to 5 VDC	LM24-MFT US NM24-MFT US AM24-MFT US GM24-MFT US NF24-MFT US AF24-MFT US LF24-MFT US	None	Preset at factory or use MFT Handy device Set start point for 1 VDC, span for 4 VDC
4 to 20 mA	Any -MFT,-SR Actuator	ZG-R01, or 500Ω, 1/2 w resistor	Wire the ZG-R01 across the wires #1 and #3
10.5 to 13.5 VDC	LM24-MFT US NM24-MFT US AM24-MFT US AM24-MFT US GM24-MFT US NF24-MFT US AF24-MFT US LF24-MFT US	None	Preset at factory or use MFT Handy device Set start point for 10.5 VDC, span for 3 VDC
14 to 17 VDC	LM24-MFT US NM24-MFT US AM24-MFT US SM24-MFT US GM24-MFT US NF24-MFT US AF24-MFT US LF24-MFT US	None	Preset at factory or use MFT Handy device Set start point for 14 VDC, span for 3 VDC
Pulse Width Modulation	LM24-MFT US NM24-MFT US AF24-MFT US AM24-MFT US SM24-MFT US NF24-MFT US AF24-MFT US LF24-MFT US	None	Preset at factory or use MFT Handy device

*Preset at factory or use MFT Handy device
IRM-100 Calibrate the IRM-100 for an input range of 1 to 5 VDC. Calibrate IRM-100 2-10 in 2 to 10 out for signal amplification.

Sequencing Two or More Actuators With One Control Signal using the IRM-100



IRM-100 Voltage Settings Based on 4 to 20 mA

mA	VDC
4	2
5	2.5
6	3
7	3.5
8	4
9	4.5
10	5
11	5.5
12	6
13	6.5
14	7
15	7.5
16	8
17	8.5
19	9.5
20	10