





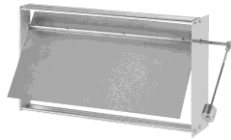
# By-Pass Dampers and Controls

## MODEL SPRD - Static Pressure Regulating Damper

The Static Pressure Regulating Damper, Model SPRD, is a single blade, counter balanced weighted damper, that operates on air pressure in order to control the flow of by-pass air on a zoned system. SPRD dampers are available in both rectangular/square and round sizes. The SPRD has an adjustable arm and weight to maintain the correct amount of pressure in the duct system. The SPRDs can be mounted in both horizontal and the vertical position for either up flow or down flow systems. The SPRD can also be used as a back draft damper to relieve excess air pressure in any duct system.

**NEW RTB** - Round Take-Off By-Pass is a combination take-off collar and adhesive seal and by-pass damper in one unit. All RTB dampers are 8" in length.

### NEW Round Take-Off By-Pass



Rectangular/Square	List Price
SPRD1208 12"x8"	\$ 114.00
SPRD1210 12"x10"	\$ 123.00
SPRD1212 12"x12"	\$ 125.00
SPRD2008 20"x8"	\$ 127.00
SPRD2010 20"x10"	\$ 130.00
SPRD2012 20"x12"	\$ 134.00



Round Sizes	List Price
SPRD 08	\$ 117.00
SPRD 09	\$ 120.00
SPRD 10	\$ 123.00
SPRD 12	\$ 125.00
SPRD 14	\$ 128.00
SPRD 16	\$ 142.00
SPRD 18	\$ 157.00
SPRD 20	\$ 176.00



Model	List Price
RTB08	\$110.00
RTB10	\$120.00
RTB12	\$134.00
RTB14	\$144.00

## Motorized By-Pass Controls for use with ZDSM/ZDBM and RDM Dampers on Page 1

### Model SPS

### Static Pressure Switch



The Static Pressure Switch is a economical control for a modulating damper to control by-pass air. Preset at 0.2"WC and 0.3"WC, the SPS truly modulates the RDM/ZDM dampers to maintain the system static below 0.3"WC. Above 0.3"WC the SPS will Open the by-pass damper and below 0.2"WC will close the damper.

LIST PRICE \$127.00

### Model SPC

### Static Pressure Control



The Static Pressure Control is a higher pressure control for a modulating damper to control by-pass air. The SPC is adjustable between 0.08" W.C. to 1.2" W.C. The SPC modulates the RDM/ZDM dampers to maintain the system static.

LIST PRICE \$369.00

## ZONE THERMOSTATS

### Model TDS - Single Stage Digital Thermostat



The TDS is a digital, single stage, 24V powered thermostat. This heating-cooling thermostat has only a single set point and is manual changeover with no setback. The TDS has terminal connections Y-O/B-G-R-C-W. The TDS can also control a single damper.

LIST PRICE \$124.00

### Model TTS and TTH

### Touchscreen Thermostat



The TTS is for single stage systems and TTH for Heat Pumps. Both have a large LCD touchscreen for easy viewing and simple programming. The thermostat can be set-up to be 7 day programmable thermostat or not. Features such as keypad lockout and limited range control. This attractive thermostat can be hard wired or battery powered and configured for manual as well as automatic changeover. Both models can be used with older TAT Zoning Panels.

Model TTS \$336.00  
Model TTH \$378.00

### Model TWF

### Wi-Fi Smart Thermostat



Smartphone NOT Included

The TWF is a Wi-Fi enabled thermostat allowing remote access control via your smartphone, tablet or computer. The LCD screen provides large easy to read numbers. It is easily set-up thru the app and can remotely control multiple thermostats easily with the same app. The TWF is compatible with any of the ZONEFIRST Control Panels and can be configured for conventional or heat pump operation. The TWF has terminals RC-RH-O/B-Y-G-W/E-C-L-Y2-W2.

LIST PRICE \$328.00

### Model TPS - Programmable Thermostat



The TPS is a battery powered, 5-1-1 or 5-2 Day, setback thermostat. The TPS is used on any zone of the new and older relay based zone control panels. The terminal connections on this thermostat are Y-O/B-G-R-W.

LIST PRICE \$148.00

### Model WTR

### Wireless Thermostat and Receiver



The Wireless Thermostat and Receiver now make zoning easier to install in existing homes and buildings. The WTR package includes a wireless thermostat that can be mounted or placed virtually anywhere, eliminating the need to run wires to the thermostat. This saves hours of labor on any installation. A remote receiver is located next to or near the zone control panel and is wired to the corresponding zone on the panel. The WR, Wireless Receiver, wires to the zone thermostat terminals on the panel. Best of all the thermostat is a digital programmable thermostat providing 4 settings per day and automatic changeover.

WTR Package	List Price	WT - Thermostat Only	WR - Receiver Only
	\$364.00	\$182.00	\$182.00

## REPLACEMENT MOTORS and ACCESSORIES

### Model MSS

### 24 Volt Silent Spring Return Damper Motor



The MSS is the replacement spring return motor used for the RDS and ZD dampers. The 24 Volt motor powers the damper typically to Closed and Spring Returns it back to open for fail safe operation. The dampers can be reversed in the field using this same motor. The MSS replaces the MSR, RDM, RDMH Motors.

LIST PRICE \$153.00

### Model MP12M Plug-In DC Damper Motor



The MP12M is the replacement motor for all Plug-In Dampers. This motor is specifically designed for use only with the dampers in this price sheet and is for replacement only. This motor has a built-in two color LED to indicate the motors position, Green for Open, Red for Closed. The MP12M wires using a modular cord supplied with each damper. The MP12M replaces all MP12 and the M version now has adjustable minimum position.

LIST PRICE \$153.00

### Model MDM

### Modulating Damper Motor



The MDM is a three (3) wire power open-power closed damper motor with built-in LEDs to indicate the damper's position. This motor is used on the ZDM and RDM dampers and is used with the SPS and SPC static pressure controls for by-pass. This motor is also used on the RRM damper.

LIST PRICE \$153.00

### Model RCD Round Damper Counter Display



This Countertop Display is an RDS07 complete with a digital thermostat and transformer. The damper is power open and spring closed and opens whenever the thermostat calls for heating, cooling or the fan switch is ON. When the thermostat satisfies and the Fan switch is in Auto the damper will close. This display is 12"Wx14"H and 12"D.

LIST PRICE \$390.00

### Model AFC

### Anti-Freeze-Up Control



The AFC prevents the air conditioning coil from freezing due to low air flow, dirty filters, low refrigerant pressure, etc. The AFC snaps onto the suction line as close to the evaporator coil as possible and breaks the compressor circuit when the suction line drops below 38° F and re-makes the circuit at 48°F. Recommended when by-passing air into the return duct.

LIST PRICE \$ 35.00

### Model T24

### 24 Volt Transformer



The T24 is a 24 Volt AC, 50/60Hz, 40 VA Transformer used to provide low voltage power for any 24VAC damper and/or control panel. This UL rated transformer mounts on a standard 4"x4" electrical box and is supplied by 110-120VAC.

LIST PRICE \$39.00

## NEW OUTLET ZONE DAMPER

### Model OZD

### Outlet Zone Damper with Wiring Included



The NEW Outlet Zone Damper, Model OZD, is an aluminum opposed blade damper that inserts into the outlet or opening of the duct into a room. The damper with self-contained motor simply inserts into the outlet opening. The depth of the damper is 2.25" and the motor is towards the center of the damper and adds another 1" of depth that easily allows the OZD to fit into most angled floor boots. The OZD is then covered with any flat floor grille, those without dampers, or registers. The OZD is powered by ZONEFIRST's exclusive Plug-In Damper Motor. Each OZD includes 100' length of plenum rated cable, Model PRC1, for wiring run thru the duct. The PRC is also available in 200' lengths, Model PRC2, with modular connectors (RJ11) already for installation. Both prices listed below.



OZD inserted in Duct Boot

LIST PRICE	OZD1004	\$227.00	OZD1204	\$230.00	OZD1404	\$236.00
	OZD1006	\$232.00	OZD1206	\$235.00	OZD1406	\$240.00
	PRC1	\$91.00	Included with damper		PRC2	\$184.00

## TAT Replacement Dampers and Parts

### MODEL AOBD - Automatic Opposed Blade Damper

The AOBD series of motorized dampers are constructed of lightweight anodized aluminum with a 24 volt power open-power closed damper motor. These dampers are available as a side mount, Model AOBD; a bottom mount, Model AOBM; and an internal mount Model IOBD. These lightweight and thin profile dampers are perfect for inserting into any duct and providing maximum air flow control. The power open-power closed damper has built-in end switches to control additional dampers or other auxiliary components. The AOBD series of dampers are for systems up to a maximum of 0.5"W.C.



AOBD



AOBM



IOBD

	HEIGHT						
		4"	6"	8"	10"	12"	14"
6"		235.00	237.00				
8"		239.00	241.00	246.00			
10"		242.00	245.00	251.00	255.00		
12"		245.00	247.00	255.00	261.00	270.00	
14"		255.00	257.00	261.00	270.00	278.00	287.00
W	16"	265.00	267.00	271.00	275.00	287.00	296.00
I	18"	270.00	272.00	275.00	282.00	296.00	311.00
D	20"	275.00	278.00	282.00	291.00	309.00	322.00
T	22"	281.00	285.00	290.00	297.00	320.00	334.00
H	24"	290.00	294.00	297.00	314.00	334.00	350.00
	26"	296.00	304.00	314.00	329.00	350.00	364.00
	28"	314.00	321.00	328.00	346.00	364.00	373.00
	30"	328.00	335.00	342.00	358.00	373.00	400.00

AOBD and IOBD available in all sizes. **AOBM sizes only available in bold.**  
All AOBD, AOBM and IOBD Dampers are special order and are not returnable.

### Model MST

#### Motor Switch Terminal for AOBD Dampers



The MST motor is used on all two-position AOBD style dampers as well as older model TAT registers and diffusers. It can also be used as a replacement motor for the EWC Controls Model MAN motor. The motor is 24 Volts, 6 Watts with end switches and has a 30 second opening and closing.

LIST PRICE \$204.00

### Model 4PDR

#### 4 Pole Double Throw Relay



The 4PDR is a 24 Volt 4 Pole Double Throw Relay used for various control functions to control dampers. Most commonly this is used when multiple AOBD series dampers are required to be slaved together to operate from a single zone. It also is used when more than 4 or 5 spring return dampers are slaved together and isolates power transformers from requiring phasing. The 4PDR socket has screw terminals and can be mounted on a DIN rail and uses the PIRR Relay.

LIST PRICE \$58.00

### Model PIRR

#### Plug-In Replacement Relay



The PIRR is the replacement relay for many older TAT Mark IV, V, VII, VIII, X, XXXI, II and MM-2/3 Zone Control and Accessory Relay panels. The 24 Volt, 4PDT relay is easily replaceable by simply unplugging the old relay and replacing by plugging in the new one. This relay is the same as the RMABS relay.

LIST PRICE \$43.00

## NEW freshex® Air Cyclor

### Model FAC



LIST PRICE \$270.00

The Air Cyclor controls fresh air intake and ventilation and is a low cost alternative to the more expensive ERV/HRV. By periodically operating the HVAC System fan the Air Cyclor vastly improves the temperature, humidity and filtration system in the home or office. It provides more circulation throughout the building and eliminates stagnant air and odors by inducing fresh outdoor air. The Air Cyclor is a "smart" device as it knows when the central fan operates and activates the fan only after a selected period of time during which the fan has not operated.

The Air Cyclor has a 24VAC output circuit that controls a motorized damper, Model RDSC, ducted to the outdoors, to effectively regulate fresh air ventilation when the Air Cyclor is on. The damper is cycled whenever the Air Cyclor turns the fan on.

The RDSC is a 24VAC normally closed damper that powers open on a call from the FAC. Any of ZONEFIRST's spring return dampers can be made for power open operation and used with the FAC.

**Meets all  
Ventilation  
Codes**

### Model RDSC



RDSC04	\$196.00
RDSC05	\$198.00
RDSC06	\$202.00
RDSC07	\$205.00
RDSC08	\$212.00

Members and Supporters of the following Industry Associations:



#### FIVE (5) YEAR LIMITED WARRANTY

ZONEFIRST warrants its products to be free of defects and to provide trouble free operation for a period of Five (5) years from the date of installation. The warranty is limited to the cost of the product and does not include claims for labor or consequential damage. Prior authorization must be obtained from ZONEFIRST before returning any product. Products returned under warranty and found to be defective will be replaced or credited. Items returned within the warranty period that are found not to be defective and those items that are out of warranty are subject to a minimum repair or inspection fee. All returns must be sent freight prepaid with the return authorization number clearly marked on the packing slip. Returns without prior authorization will be refused. All items damaged in freight cannot be returned and a claim with the freight carrier must be made.

**RETURNS:** All returns must have prior authorization and are subject to a 20% re-stocking charges. Special order items may not be returned for credit. Returns are for credit only and can only be used towards future purchases.



**ZONEFIRST**  
Controlling Your Comfort Room By Room  
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