

Applicable for R410A

New release

THE LEADING GLOBAL STANDARD WITH ITS COMPACTNESS

Launching

New Pressure Controls !

YS Series Pressure Controls

Approx. 75mm

01

Compact
size

Compact size smallest and
lightest in the industry



Type SYS

02

New Design

Scale plate
with significantly
clearer visibility



03

Core Technology

Reliable bellows
technology with proven
history of 60 years.

What is an important requirement for pressure controls? It is a reliable performance and compactness that match the times. Saginomiya has a proven history of 60 years continually manufacturing pressure controls. The technological power and expertise of Saginomiya refined through this history of know-how, expertise and experience is now presenting to you the "YS Series" featuring the smallest and lightest size in the industry! The real power hidden in the small body supports the control technology of the world.

Applications

- Condensing units
- Cooling units
- Chillers
- Dehumidifiers
- Cold storage and refrigeration units for industrial applications

Dual Pressure Controls



Type DYS

SAGINOMIYA

Type Number Selection

Type SYS

Unit: MPa {kgf/cm²}

Catalog No.*1	Refrigerant**2	Range		Differential		Factory Setting		Max. Working Pressure	Contact Function	Wt. (kg)
		Min.	Max.	Min.*3	Max.	Off (On)	On (Off)			
SYS-C103X0	R404A, R407C R134a, R22	-0.06{-50cmHg}	0.3 {3}	0.035 {0.35}	0.2 {2}	0.05 {0.5}	0.15 {1.5}	1.65 {16.5}	Diagram 1	0.24
SYS-C106X0			0.6 {6}	0.06 {0.6}	0.4 {4}	0.2 {2}	0.3 {3}			
SYS-C110X0		0.1 {1}	1 {10}	0.1 {1}	0.3 {3}	0.4 {4}	0.6 {6}			
SYS-C130X0		0.5 {5}	3 {30}	0.3 {3}	1 {10}	1.5 {15}	2 {20}			
SYS-C135X0		1{10}	3.5 {35}	0.5 {5}	1.5 {15}	2 {20}	2.5 {25}			
SYS-C140X0	R410A, etc.		4.3 {43}		1 {10}	2 {20}	2.5 {25}	4.7 {47}		
SYS-C106X0M2	R404A, R407C R134a, R22	-0.06{-50cmHg}	0.6 {6}	Automatic operation on pressure decrease, and manual reset.		0.2 {2}	Manual reset	1.65 {16.5}	Diagram 2	
SYS-C130X0M2		0.5 {5}	3 {30}			1.5 {15}		3.3 {33}		

Type DYS

Unit: MPa {kgf/cm²}

Catalog No. *1	Pressure Side	Range		Differential		Factory Setting		Max. Working Pressure	Contact Function	Wt. (kg)
		Min.	Max.	Min.*3	Max.	Off	On			
DYS-D306X0	Low Side	-0.06{-50cmHg}	0.6 {6}	0.06 {0.6}	0.4 {4}	0.2 {2}	0.3 {3}	1.65 {16.5}	Diagram 3	0.40
	High Side	0.8 {8}	3 {30}	Approx. 0.5 fixed {Approx. 5 fixed}		2 {20}	1.5 {15}	3.3 {33}		
DYS-D606X0	Low Side	-0.06{-50cmHg}	0.6 {6}	0.06 {0.6}	0.4 {4}	0.2 {2}	0.3 {3}	1.65 {16.5}	Diagram 4	
	High Side	0.8 {8}	3 {30}	Approx. 0.5 fixed {Approx. 5 fixed}		2 {20}	1.5 {15}	3.3 {33}		
DYS-D306X0M	Low Side	-0.06{-50cmHg}	0.6 {6}	0.06 {0.6}	0.4 {4}	0.2 {2}	0.3 {3}	1.65 {16.5}	Diagram 5	
	High Side	0.8 {8}	3 {30}	Automatic operation on pressure rise, and manual reset.		2 {20}	Manual reset	3.3 {33}		
DYS-D606X0M	Low Side	-0.06{-50cmHg}	0.6 {6}	0.06 {0.6}	0.4 {4}	0.2 {2}	0.3 {3}	1.65 {16.5}	Diagram 6	
	High Side	0.8 {8}	3 {30}	Automatic operation on pressure rise, and manual reset.		2 {20}	Manual reset	3.3 {33}		
DYS-D606X0MM	Low Side	-0.06{-50cmHg}	0.6 {6}	Automatic operation on pressure decrease, and manual reset.		0.2 {2}		1.65 {16.5}	Diagram 7	
	High Side	0.8 {8}	3 {30}	Automatic operation on pressure rise, and manual reset.		2 {20}		3.3 {33}		

* Enclosure: IP20

*1 Standard unit display is MPa. Other unit displays are available upon request by changing "X0" portion of a catalog number.

[X0: MPa, X1: bar, X2: Kg/cm², X3: kPa, X4: lb/in², X5: psi] *2 The products other than SYS-C140X0 are not compatible with R410A refrigerant.

*3 Indicates the average value also considering instrumental errors.

Contact Functions

Type SYS

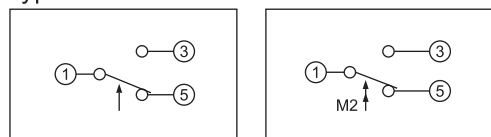


Diagram 1

Diagram 2

↑ : Operating direction on press. increase at High Press. Side
↑ M2: Operating direction on manual reset

Type DYS

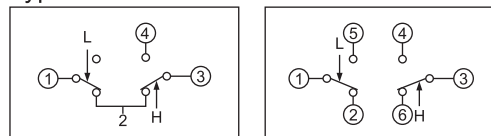


Diagram 3

Diagram 4

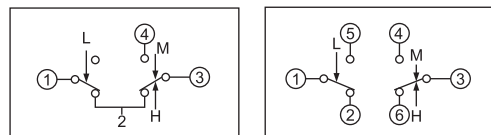


Diagram 5

Diagram 6

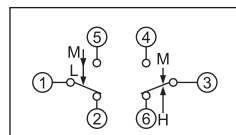
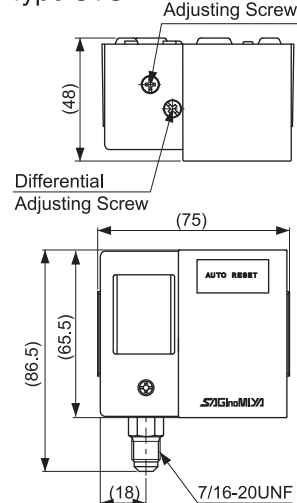


Diagram 7

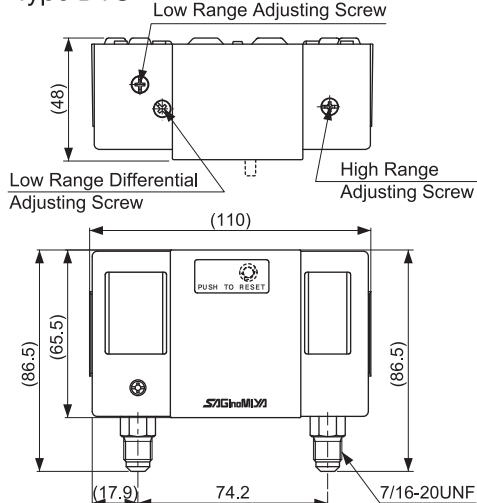
↓ L: Operating direction on press. increase at Low Press. Side
↑ H: Operating direction on press. increase at High Press. Side
↓ M: Operating direction on manual reset

Dimensions

Type SYS



Type DYS



Electrical Ratings

Rated Voltage (V)		Power Factor (cos ϕ)	125/250V. AC
Rated Amps. (A)			
Non-Inductive Current		1	12
Inductive Current	Full Load	0.75	
	Locked Rotor	0.45	

• Minimum contact capacity : 50mA

NOTES FOR SAFETY

Failure to read and follow all instruction carefully before installing or operating the product could cause personal injury and/or property damage.

Specifications are subject to change without notice.