

# DUAL PRESSURE CONTROLS

Type **DYS**

**SAGInoMIYA**

## GENERAL DESCRIPTION

- Type DYS is dual pressure controls that is integrated with over pressure protection of the high pressure side and control of low pressure side of the refrigeration unit.
- Scale plate with significantly clear visibility
- Compact and light weight

CE mark applicable (available upon request)



## TYPE NUMBER SELECTION (SPECIFICATIONS)

### Automatic reset type

Unit: MPa {kgf/cm<sup>2</sup>}

*1 Catalog No.	Pressure Side	Range		Differential		Factory Setting		Max. Working Pressure	Contact Function	Wt. (kg)
		Min.	Max.	*2 Min.	Max.	Off	On			
<b>DYS-D306X0</b>	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 1	0.40
	High Side	0.8 {8}	3 {30}	Approx.0.5 fixed. {Approx.5 fixed.}		2 {20}	1.5 {15}	3.3 {33}		
<b>DYS-D606X0</b>	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 2	
	High Side	0.8 {8}	3 {30}	Approx.0.5 fixed. {Approx.5 fixed.}		2 {20}	1.5 {15}	3.3 {33}		

### Manual reset type

Unit: MPa {kgf/cm<sup>2</sup>}

*1 Catalog No.	Pressure Side	Range		Differential		Factory Setting		Max. Working Pressure	Contact Function	Wt. (kg)
		Min.	Max.	*2 Min.	Max.	Off	On			
<b>DYS-D306X0M</b>	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}	Automatic operation on pressure increase, and manual reset.		2 {20}	manual reset	3.3 {33}		
<b>DYS-D606X0M</b>	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}	Automatic operation on pressure increase, and manual reset.		2 {20}		3.3 {33}		
<b>DYS-D606X0MM</b>	Low Side	-0.06 {-50cmHg}	0.6 {6}	Automatic operation on pressure decrease, and manual reset.		0.2 {2}	manual reset	1.65 {16.5}	Diagram 5	
	High Side	0.8 {8}	3 {30}	Automatic operation on pressure increase, 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: kgf/cm<sup>2</sup>, X3: kPa, X4: lb/in<sup>2</sup>, X5: psi]

\*2 Indicates the average value also considering instrumental errors.

## ELECTRICAL RATINGS

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

Minimum contact capacity: 50mA

### CONTACT FUNCTIONS

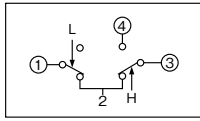


Diagram 1

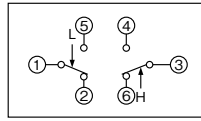


Diagram 2

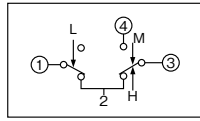


Diagram 3

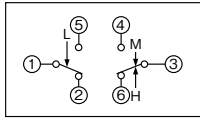


Diagram 4

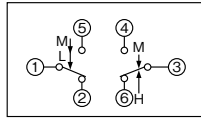
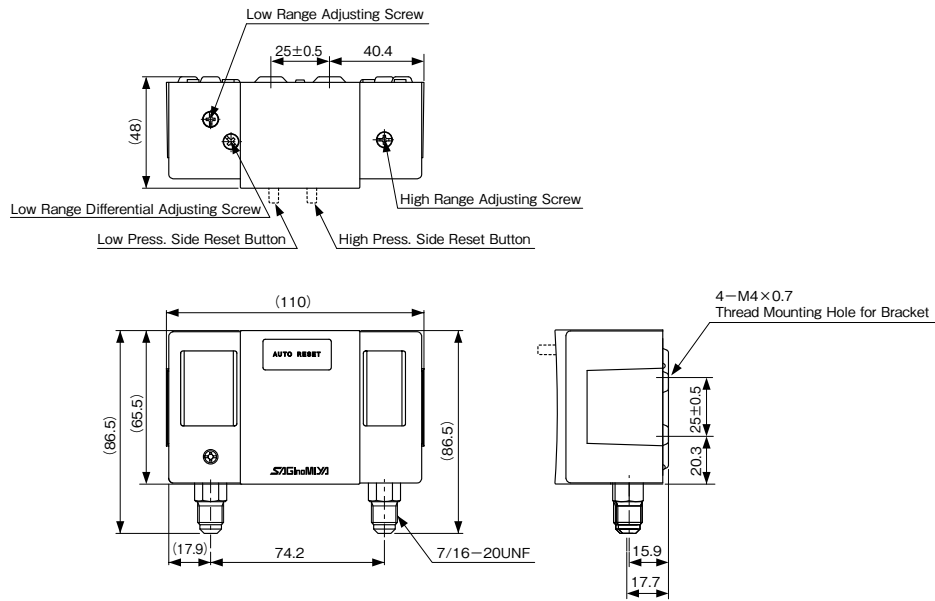


Diagram 5

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



Unit: mm