SINGLE FUNCTION PRESSURE CONTROLS

Type SYS

GENERAL DESCRIPTION

- Type SYS is standard model. Reliable performance, and long life products.
- Applicable for R410A (SYS–C140X0)
- 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/cm²}

∗1 Catalog No.	∗2 Refrigerant	Range		Differential		Factory Setting		Max. Working Pressure	Contact Function	Wt. (kg)
		Min.	Max.	∗3 Min.	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	0.25
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}	3.3 {33}		
SYS–C135X0		1 {10}	3.5 {35}	0.5 {5}	1.5 {15}	2 {20}	2.5 {25}	3.8 {38}		
SYS–C140X0	R410A etc.		4.3 {43}		1 {10}			4.7 {47}		

Manual reset type

Unit: MPa {kgf/cm²}

∗1 Catalog No.	∗2 Refrigerant	Range		Manual Reset	Factory Setting		Max. Working Pressure	Contact Function	Wt. (kg)
		Min.	Max.		Off (On)	On (Off)			
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	0.25
SYS–C130X0M2		0.5 {5}	3 {30}		1.5 {15}		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/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.

ELECTRICAL RATINGS

Rated Amps. (A) \ Rated Voltage (V)		Power Factor ($\cos\phi$)	125/250V. AC
Non-Inductive Current		1	12
Inductive Current	Full Load	0.75	
	Locked Rotor	0.45	72

Minimum contact capacity: 50mA

CONTACT FUNCTIONS

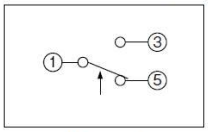


Diagram 1

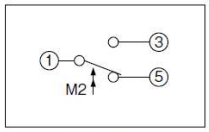


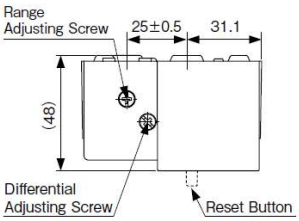
Diagram 2

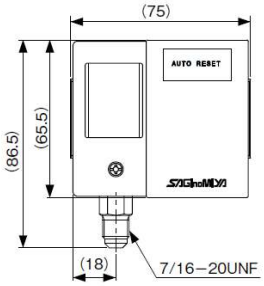
	Diagram 1 & 2
1	Common Terminal
3	Close on Pressure Increase
5	Close on Pressure Decrease

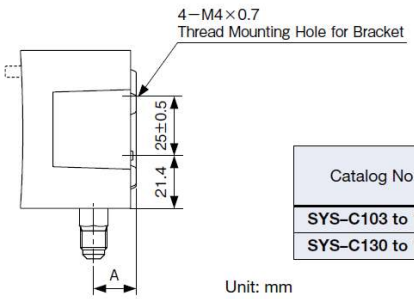
↑: Operating direction on press. increase at High Press. Side

M2↑: Operating direction on manual reset

DIMENSIONS







Catalog No.	Unit: mm
	A
SYS–C103 to 110	17.7
SYS–C130 to 140	16.7

Unit: mm