

SINGLE FUNCTION PRESSURE CONTROLS

Type **SYS**

SAGInoMIYA

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 |
| SNS SYS-C106X0 | | | 0.6 {6} | 0.06 {0.6} | 0.4 {4} | 0.2 {2} | 0.3 {3} | | | |
| SNS SYS-C110X0 | | | 1 {10} | 0.1 {1} | 0.3 {3} | 0.4 {4} | 0.6 {6} | | | |
| SNS SYS-C130X0 | | | 3 {30} | 0.3 {3} | 1 {10} | 1.5 {15} | 2 {20} | | | |
| SYS-C135X0 | R410A etc. | 1 {10} | 3.5 {35} | 0.5 {5} | 1.5 {15} | 2 {20} | 2.5 {25} | 3.8 {38} | | |
| SYS-C140X0 | | | 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 | | | 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 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 | 72 |

Minimum contact capacity: 50mA

CONTACT FUNCTIONS

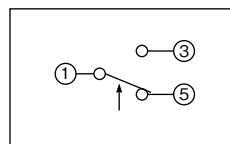


Diagram 1

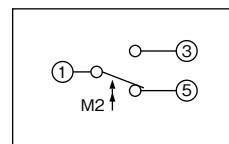
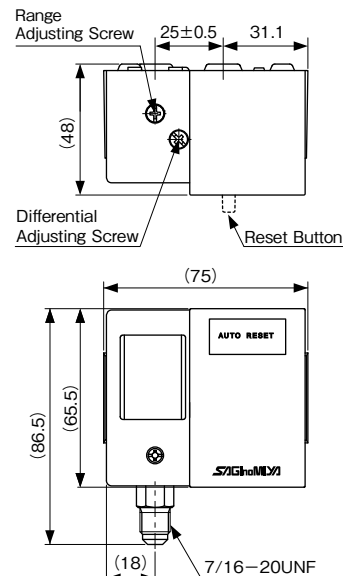


Diagram 2

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

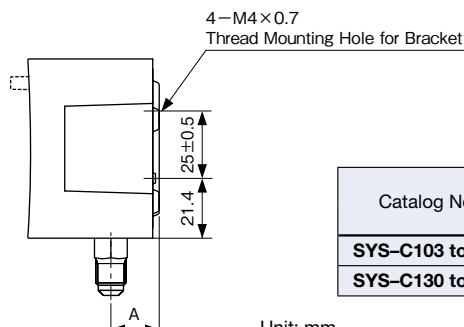
↑: Operating direction on press. increase at High Press. Side
M2↑: Operating direction on manual reset

DIMENSIONS



Conexión estándar: 1/4" **FLARE** SAE

Conexión opcional: 1/4" **NPT** agregando tuerca adaptadora + **G1**



Unit: mm

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

