

OIL PROTECTION CONTROLS

Type ONS

SAGINOMIYA

GENERAL DESCRIPTION

- Provides dependable protection against major break-down on pressure lubricated refrigeration compressors by guarding against low lubrication oil pressure.
- With manual reset.
- Built in time delay switch.
- Mounting bracket is supplied as standard.
- Stainless steel models are available upon request.

CE mark applicable (available upon request)

SPECIFICATIONS

- Fluid temperature: -20 to 120°C
- Ambient temperature: -20 to 70°C



TYPE NUMBER SELECTION

Unit: MPa {kgf/cm²}

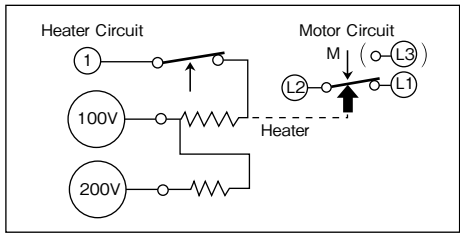
Catalog No.	Range		Differential	Timer Specification			Connection	Wt. (kg)
	Min.	Max.	Fixed	Delay Time(sec.)	Timer Voltage	Timer Circuit		
ONS-C106XQ1	0.05 {0.5}	0.35 {3.5}	Approx. 0.05 { Approx. 0.5 }	45	100/200V. AC	Standard (SPST) without Alarm Contact	1/4" Flare Nut	0.55
ONS-C106XQ2				90				
ONS-C106XQ3				110				
ONS-C106XQ4				45	110/220V. AC			
ONS-C106XQ5				90				
ONS-C106XQ6				110				
ONS-C106XQ7				45	115/230V. AC			
ONS-C106XQ8				90				
ONS-C106XQ9				110				
ONS-C106XQ10				45	120/240V. AC			
ONS-C106XQ11				90				
ONS-C106XQ12				110				
ONS-C106XL1Q1				45	100/200V. AC			
ONS-C106XL1Q2				90				
ONS-C106XL1Q3				110				
ONS-C106XL1Q4				45	110/220V. AC			
ONS-C106XL1Q5				90				
ONS-C106XL1Q6				110				
ONS-C106XL1Q7				45	115/230V. AC			
ONS-C106XL1Q8				90				
ONS-C106XL1Q9				110				
ONS-C106XL1Q10				45	120/240V. AC			
ONS-C106XL1Q11				90				
ONS-C106XL1Q12				110				
ONS-C106XQ25				45	With Alarm Contact (SPDT)	1/4" Flare Nut	0.55	
ONS-C106XQ26				90				
ONS-C106XQ27				110				
ONS-C106XQ28				45				110/220V. AC
ONS-C106XQ29				90				
ONS-C106XQ30				110				
ONS-C106XQ31				45				115/230V. AC
ONS-C106XQ32				90				
ONS-C106XQ33				110				
ONS-C106XQ34				45				120/240V. AC
ONS-C106XQ35				90				
ONS-C106XQ36				110				
ONS-C106XL1Q25	45	100/200V. AC	1000mm Capil. Tube with 1/4" Flare Nut	0.62				
ONS-C106XL1Q26	90							
ONS-C106XL1Q27	110							
ONS-C106XL1Q28	45	110/220V. AC						
ONS-C106XL1Q29	90							
ONS-C106XL1Q30	110							
ONS-C106XL1Q31	45	115/230V. AC						
ONS-C106XL1Q32	90							
ONS-C106XL1Q33	110							
ONS-C106XL1Q34	45	120/240V. AC						
ONS-C106XL1Q35	90							
ONS-C106XL1Q36	110							

- Max. Working Pressure: 1.5 MPa {15 kgf/cm²}
- Limit of Pressure Diff. $H_p \geq L_p$: 1.5 MPa {15 kgf/cm²}, H_p represents oil pump discharge pressure and L_p crank case pressure.
- Enclosure: IP20
- Drip Proof Models: Available upon request. (Refer to page 50.)

ELECTRICAL RATINGS

Rated Voltage (V)		Power Factor (cos ϕ)	125/250V. AC
Rated Amps. (A)			
Non-Inductive Current		1	3.5
Inductive Current	Full Load	0.75	3
	Locked Rotor	0.45	10

CONTACT FUNCTIONS

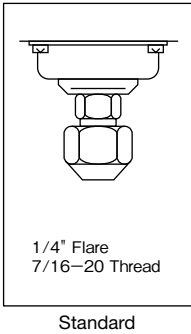


↑ : Operating direction of pressure increase
↑ : Operating direction of timer when energized
M ↓ : Operating direction of manual reset
(L3: Alarm Contact provided with a lead wire approx.)
φ3.5×100mm with a soldered terminal.

1	Heater Circuit	Common Terminal
100		100V Power Supply Terminal
200		200V Power Supply Terminal
L1	Motor Circuit	Open on Decrease of Pressure Difference
L2		Main Contact
L3		Alarm Contact

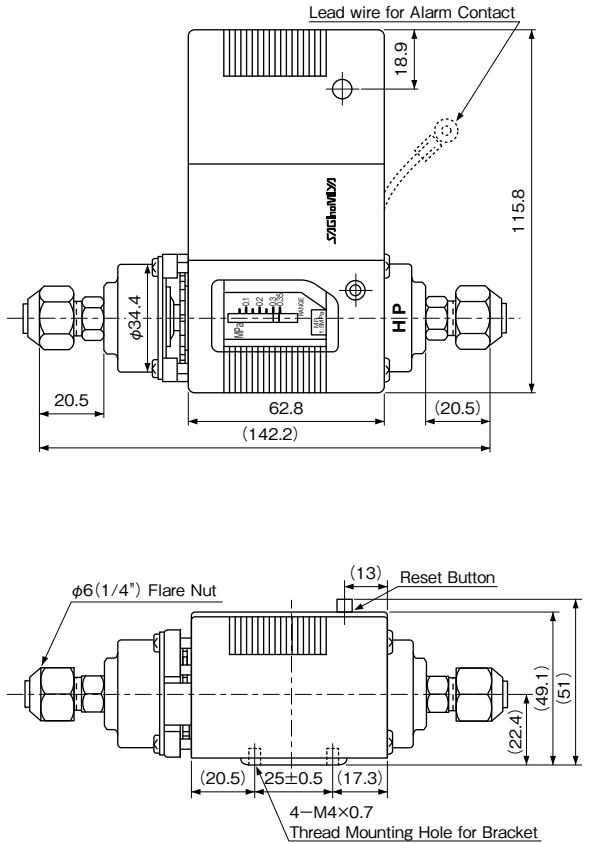
110/220V. AC, 120/240V. AC etc. available

PRESSURE CONNECTIONS



Refer to page 43, 44.

DIMENSIONS



Unit: mm