OIL PROTECTION CONTROLS

Type ONS

SAGInoMIYA

GENERAL DESCRIPTION

- Provides dependable protection against major breakdown 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}

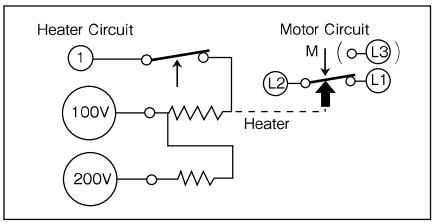
Catalog No.	Range		Differential	Timer Specification			Connection	Wt. (kg)
	Min.	Max.	Fixed	Delay Time(sec.)	Timer Voltage	Timer Circuit		
ONS-C106XQ1	0.05 {0.5}	0.35 {3.5}	Approx. 0.05	45	100/200V. AC	Standard (SPST) without Alarm Contact	1/4" Flare Nut	0.55
ONS-C106XQ2				90				
ONS-C106XQ3				110				
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		1000mm Capil. Tube with 1/4" Flare Nut	0.62
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			{ Approx. 0.5 }	45	100/200V. AC	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. Hp≧Lp: 1.5 MPa {15 kgf/cm²}, Hp represents oil pump discharge pressure and Lp crank case pressure.
- Enclosure: IP20
- Drip Proof Models: Available upon request. (Refer to page 50.)

ELECTRICAL RATINGS

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

CONTACT FUNCTIONS

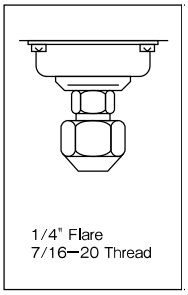


↑: Operating direction of pressure increase
⬆: Operating direction of timer when energized
M ↓: Operating direction of manual reset
(L3: Alarm Contact provided with a lead wire approx. ϕ3.5×100mm with a soldered terminal.)

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

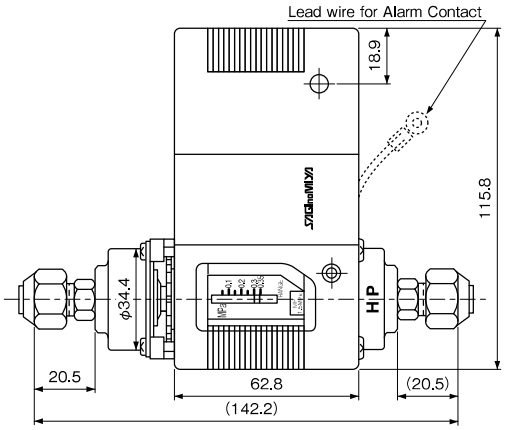
PRESSURE CONNECTIONS

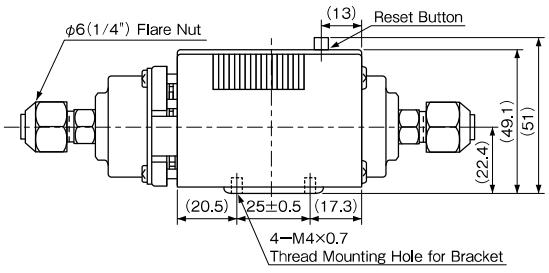


Standard

Refer to page 43, 44.

DIMENSIONS





Unit: mm