



O17-R4759



O16-R6703



O16-R6759



The Ranco® O Series Heavy Duty Pressure Controls are the new range of adjustable pressure controls which are generally used in commercial refrigeration and air conditioning applications to control the compressor start/stop and fans on air-cooled condensers. The O Series HD feature high capacity SPDT contacts and are available as Single Low, Single High, and Dual heavy duty pressure controls, with auto or manual reset. They are offered in a variety of pressure ranges and different fittings including solder braze tube and 1/4" SAE Male Flare connections to provide maximum application flexibility. All models are standard equipped with IP44 enclosure. The Ranco® O Series HD Pressure Controls range includes models certified according to directive EN12263, PED20145/68/EU Category IV, for use of the control as safety devices.

Features and Benefits

- New modern compact design with **heavy-duty** plated steel frame
- **Laser-welded dual bellows** for high protection against leakage provide superior safety
- **Screw terminal block** fully accessible for easy wiring
- High conductivity and reliable electrical continuity through premium silver contacts
- Extended pressure range and adjustable set-point
- Easy-to-read scale plate: low-pressure / high-pressure
- **Automatic reset** or **reset button** for manual controls
- Premium material for extended life
 - Laser welded stainless steel high-pressure bellow
 - Brass / bronze low-pressure bellow
- High Pressure Controls equipped with mechanical flare or braze tube solder fittings with "snubber" components to minimize effect of pressure pulsations on the Control sensors
- Bellows compatible with most non-corrosive, non-flammable HFO's, HFC's blends
- Available as individually packed with accessories (universal mounting bracket and screws) or in bulk

Technical Data

- Contact rating: 16A 240 VAC
- Pilot Duty: 1.1 KVA @240Vac
- Electrical connector: CU Conductors (Solid or Stranded) 14-18 AWG
- Operating Temperature range: -50°C to +70°C (-60°F to 160°F)
- Design for high cycle life applications with rated lifetime : greater than 100,000 cycles - standard according to UL requirements

Certifications

- CE LVD 2014/35/EU (EN 60730-1, EN 60730-2-6)
- PED 2014/68/EU Cat. IV (EN12263) for some models
- RoHS compliant

Specifications - Dual Heavy Duty Pressure Controls

Part Numbers	Description	Switch	Low Reset	Low Cut-In	Low Differential	High Reset	High Cut-Out	High Differential	Pressure Connection	MOQ Box Quantity	Certifications
O17-R4701	Dual Pressure Control	SPDT	Auto	-0.3 to 7 bar (10" Hg to 100 PSI)	1 to 5 bar (10 to 70 PSI)	Auto	6 to 32 bar (85 to 465 PSI)	5 bar (70 PSI) Fixed	1/4" SAE Male Flare	20	CE
O17-R4703	Dual Pressure Control	SPDT	Manual	-0.3 to 7 bar (10" Hg to 100 PSI)	5 bar (50 PSI) Fixed	Manual	6 to 32 bar (85 to 465 PSI)	5 bar (70 PSI) Fixed	1/4" SAE Male Flare	20	CE
O17-R4705	Dual Pressure Control	SPDT	Auto	-0.3 to 7 bar (10" Hg to 100 PSI)	1 to 5 bar (10 to 70 PSI)	Manual	6 to 32 bar (85 to 465 PSI)	5 bar (70 PSI) Fixed	1/4" SAE Male Flare	20	CE
O17-R4758	Dual Pressure Control	SPDT	Auto	-0.3 to 7 bar (10" Hg to 100 PSI)	1 to 5 bar (10 to 70 PSI)	Auto	6 to 32 bar (85 to 465 PSI)	5 bar (70 PSI) Fixed	1/4" SAE Male Flare	20	PED
O17-R4759	Dual Pressure Control	SPDT	Auto	-0.3 to 7 bar (10" Hg to 100 PSI)	1 to 5 bar (10 to 70 PSI)	Manual	6 to 32 bar (85 to 465 PSI)	5 bar (70 PSI) Fixed	1/4" SAE Male Flare	20	PED
O17-R4760	Dual Pressure Control	SPDT	Auto	-0.3 to 7 bar (10" Hg to 100 PSI)	1 to 5 bar (10 to 70 PSI)	Manual internal	6 to 32 bar (85 to 465 PSI)	5 bar (70 PSI) Fixed	1/4" SAE Male Flare	20	PED
O17-R4763	Dual Pressure Control	SPDT	Auto	-0.3 to 7 bar (10" Hg to 100 PSI)	1 to 5 bar (10 to 70 PSI)	Auto	6 to 32 bar (85 to 465 PSI)	5 bar (50 PSI) Fixed	Braze Tube	20	PED
O17-R4764	Dual Pressure Control	SPDT	Auto	-0.3 to 7 bar (10" Hg to 100 PSI)	1 to 5 bar (10 to 70 PSI)	Manual	6 to 32 bar (85 to 465 PSI)	5 bar (50 PSI) Fixed	Braze Tube	20	PED
O17-R4765	Dual Pressure Control	SPDT	Auto	-0.3 to 7 bar (10" Hg to 100 PSI)	1 to 5 bar (10 to 70 PSI)	Manual internal	6 to 32 bar (85 to 465 PSI)	5 bar (50 PSI) Fixed	Braze Tube	20	PED

Specifications - Single Heavy Duty Pressure Controls

Part Numbers	Description	Switch	Reset	Pressure Range	Differential	Pressure Connection	MOQ Box Quantity	Certifications
O16-R6703	Low Pressure Control	SPDT	Auto	-0.3 to 7 bar (10" Hg to 100 PSI)	1 to 5 bar (10 to 70 PSI)	1/4" SAE Male Flare	20	CE
O16-R6704	Low Pressure Control	SPDT	Auto	-0.3 to 7 bar (10" Hg to 100 PSI)	1 to 5 bar (10 to 70 PSI)	Braze Tube	20	CE
O16-R6705	Low Pressure Control	SPDT	Manual	-0.3 to 7 bar (10" Hg to 100 PSI)	5 bar (50 PSI) Fixed	1/4" SAE Male Flare	20	CE
O16-R6750	High Pressure Control	SPDT	Auto	6 to 32 bar (100 to 450 PSI)	3 to 5 bar (40 to 70 PSI)	1/4" SAE Male Flare	20	CE
O16-R6751	High Pressure Control	SPDT	Manual	6 to 32 bar (100 to 450 PSI)	5 bar (50 PSI) Fixed	1/4" SAE Male Flare	20	CE
O16-R6758	High Pressure Control	SPDT	Auto	6 to 32 bar (100 to 450 PSI)	3 to 5 bar (40 to 70 PSI)	1/4" SAE Male Flare	20	PED
O16-R6759	High Pressure Control	SPDT	Manual	6 to 32 bar (100 to 450 PSI)	5 bar (50 PSI) Fixed	1/4" SAE Male Flare	20	PED
O16-R6760	High Pressure Control	SPDT	Manual internal	6 to 32 bar (100 to 450 PSI)	5 bar (50 PSI) Fixed	1/4" SAE Male Flare	20	PED
O16-R6763	High Pressure Control	SPDT	Auto	6 to 32 bar (100 to 450 PSI)	3 to 5 bar (40 to 70 PSI)	Braze Tube	20	PED
O16-R6764	High Pressure Control	SPDT	Manual	6 to 32 bar (100 to 450 PSI)	5 bar (50 PSI) Fixed	Braze Tube	20	PED
O16-R6765	High Pressure Control	SPDT	Manual internal	6 to 32 bar (100 to 450 PSI)	5 bar (50 PSI) Fixed	Braze Tube	20	PED

Ordering Information: O1X-XXX-086 Individual RANCO packaging with accessories (Mounting bracket, screws, Instructions)