

Dimensions:
 Overall width: 123±1.5
 Overall height: 62±1
 Cable bushing: $\phi 6 \phi 14\text{mm}$
 Mounting screws: 4 × M4
 Remove the mounting screws before installation

Labels:
 Cover color: RAL7016
 Logo color: RAL9003
 Working with ground protection

Internal Components:
 Diff., Cut in Range, Cut out Range
 7/16-20UNE 1/4 horn
 S12 (0/-0.2)

Product Labels:
 PRODUCT LABEL LP
 PRODUCT LABEL HP

Contact function:

Pressure Down: 1 (Auto Reset), 5 (Manual Reset)

Pressure Rise: 2 (Manual Reset), 4 (HP Pressure Rise)

Print label, Plastic cap, Print label

Notes:

- Refrigerant: R22, R134a, R404A, R407A, R407C, R407F, R422B, R422D, R438A, R448A, R449A, R507, R450A, R452A, R507A, R513A, R410A.
- P. S. (Maximum working pressure): LP: 16.5bar/239psi, HP: 45bar/652psi;
- Valve leakage: $\leq 2.83\text{g/a}$, at LP: 16.5bar/239psi, HP: 45bar/652psi;
- Burst pressure: LP: >66bar/957psi; HP: >180bar/2610psi;
- Contact resistance: <100m Ω ;
- Insulation resistance: $\geq 100\text{M}\Omega$ (DC500V);
- Dielectric strength: Withstand AC1968V $\times 1\text{s}$, leakage current $\leq 2\text{mA}$. No dielectric breakdown or flashover;
- Electric data:

Rated voltage (V)	AC1	AC3	AC15	DC
		400	400	400

Rated amps (A): AC1: 16, AC3: 16, AC15: 10, DC: 16

- T. S. (Max. Allow Temperature): Ambient: -30 $^{\circ}\text{C}$ ~+65 $^{\circ}\text{C}$, Fluid: -40 $^{\circ}\text{C}$ ~+120 $^{\circ}\text{C}$;
- Protection rating: IP30;
- Other performances following the 2014/68/EU, EN12263 standards;
- Cut out and Cut in pressure gauges: Cut out-Diff.=Cut in.

Matters need attention:

- The setting accuracy of Cut out pressure and Cut in pressure on the low and high side of the system should be measured and adjusted with a precise pressure gauge. The scale set on the product is an approximation only for reference.
- When working, please use the grounding protection.
- Cut out pressure on the low side must be higher than the absolute vacuum pressure ($p_e = -1\text{bar}$)!
- During installation, Pay attention not to connect the high pressure (HP) part with the low pressure.
- Do not replace installation screws of different lengths without authorization, so as to avoid affecting internal mechanism action or damaging internal structure.
- When installing the controller, the joint and nut must be tightened with two wrenches.
- When installing the outer cover of the controller, the outer cover shall be installed from top to bottom, and the tightening torque of the outer cover shall not be greater than 0.55N.m.

MODEL	Pressure range [bar]/[psig]	Diff. range [bar]/[psig]	Reset	Factory setting			
				Cut out [bar]/[psig]	Cut in [bar]/[psig]	Diff. [bar]/[psig]	Use terminals
D17P45AM2MS100	LP -0.5...7/ -7...101.5	0.7...5/ 10...72.5	Auto	2 ± 0.2/ 29 ± 2.9	3 ± 0.2/ 43.5 ± 2.9	1 ± 0.2/ 14.5 ± 2.9	1-5
	HP 8...42/ 116...609	Fix. 6/87	Manual	25 ± 0.5/ 363 ± 7	19/275.5	6/87	2-4

			D17P45AM2MS100		
			Pressure Controller		
Label NO.		Design	Checked	Signature	Date
Designer		Standard	Material:		
Checker		Order			
Verifier		Approval			
Processor		Date			
Marks		Weight	Ratio		
\$		509.5	1:1.5		
Total		Page			
		eliwell Controls S.r.l. Via dell'Industria 10 - 21.04001 22010 Alghero, Sardinia, Italy			