

D16P

Single adjustable pressure controllers



Description and main functions

D16P instruments are adjustable electromechanical pressure controllers for high and low pressure, equipped with an SPDT switch that closes and opens as the pressure increases or decreases.

Technical data	D16P	
Compatible refrigerants	R22, R407A, R407C, R134a, R404A, R410A, R448A, R450A, R452A, R507A, R744 **	
Maximum system temperature (TS)	120 °C (248 °F)	
Environmental operating conditions	-40...55 °C (-40...131 °F) / 10...90 % RH	
Transportation and storage conditions	-40...70 °C (-40...158 °F) / 10...90% RH (non-condensing)	
Contact configuration	SPDT	
Electrical load and nominal current	EUROPE 16 (16) A 240 Vac	AMERICA 16 FLA - 96 LRA 240 Vac 3 hp 240 Vac 2 hp 120 Vac
Protection rating provided by outer casing	IP44 with automatic reset and upper cover IP30 with manual reset and upper cover IP20 without upper cover	
Maximum system pressure (PS)	RANGE -0.3... 7 bar (-4.3... 101 psi) 7... 20 bar (101... 290 psi) 7... 31 bar (101... 449 psi) 10... 45 bar (145... 652 psi)	PS 17 bar (246 psi) 25 bar (362 psi) 35 bar (507 psi) 50 bar (725 psi)
Burst Pressure	RANGE -0.3... 7 bar (-4.3... 101 psi) 7... 20 bar (101... 290 psi) 7... 31 bar (101... 449 psi) 10... 45 bar (145... 652 psi)	BURST PRESSURE 80 bar (1160 psi) 100 bar (1450 psi) 140 bar (2030 psi) 200 bar (2900 psi)
Installation	4 x threaded holes for screws M4x5 on the back of the casing	
Regulation	hex head and cross head screws, for range and differential	

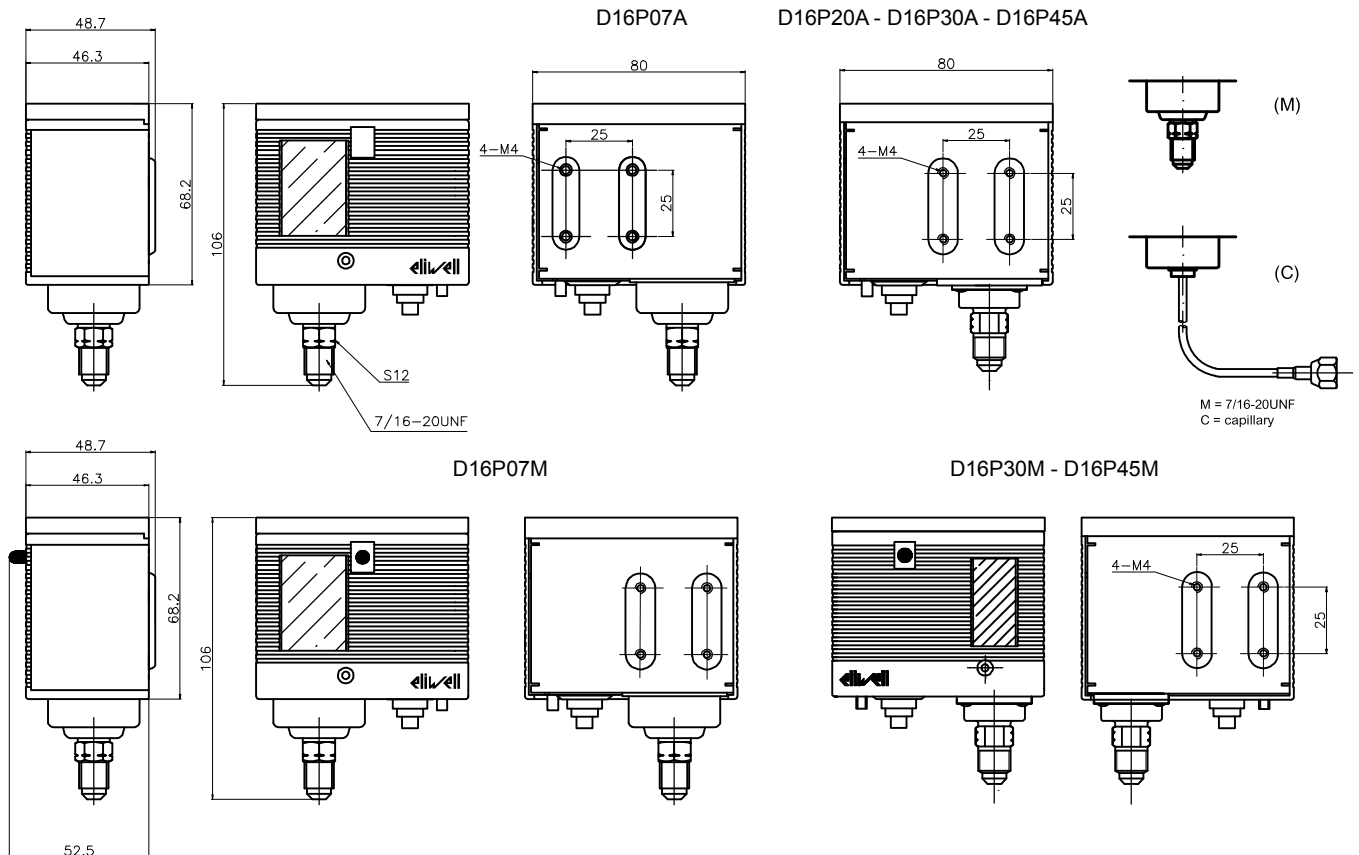
** Contact the Eliwell Sales Office for non-listed refrigerants.

D16P

Single adjustable pressure controllers

Code	Type	Pressure range bar (psi)	Differential bar (psi)	Reset	Connectors	Accessories included in the standard single pack
D16P07A01MS500	Low-pressure controller with automatic reset	-0.3...7 (-4.3...101)	Adjustable 0.6...4 (9...58)	Automatic	Male 7/16-20UNF	Upper cover, knob, instruction sheet, mounting bracket
D16P07A01CS200	Low-pressure controller with automatic reset	-0.3...7 (-4.3...101)	Adjustable 0.6...4 (9...58)	Automatic	Capillary and countersunk nut 1 m	Upper cover, knob, instruction sheet
D16P07M01MS200	Low-pressure controller with manual reset	-0.3...7 (-4.3...101)	Fixed ≤ 1 (14)	Manual	Male 7/16-20UNF	Upper cover, knob, instruction sheet
D16P07M01CS200	Low-pressure controller with manual reset	-0.3...7 (-4.3...101)	Fixed ≤ 1 (14)	Manual	Capillary and countersunk nut 1 m	Upper cover, knob, instruction sheet
D16P20A01MS200	Fan controller with automatic reset	7...20 (101...290)	Adjustable 1.5...6 (22...87)	Automatic	Male 7/16-20UNF	Upper cover, knob, instruction sheet
D16P20A01CS200	Fan controller with automatic reset	7...20 (101...290)	Adjustable 1.5...6 (22...87)	Automatic	Capillary and countersunk nut 1 m	Upper cover, knob, instruction sheet
D16P30A01MS500	High-pressure controller with automatic reset	7...31 (101...450)	Adjustable 2...8 (29...116)	Automatic	Male 7/16-20UNF	Upper cover, knob, instruction sheet, mounting bracket
D16P30A01CS200	High-pressure controller with automatic reset	7...31 (101...450)	Adjustable 2...8 (29...116)	Automatic	Capillary and countersunk nut 1 m	Upper cover, knob, instruction sheet
D16P30M01MS200	High-pressure controller with manual reset	7...31 (101...450)	Fixed ≥ 2 (29)	Manual	Male 7/16-20UNF	Upper cover, knob, instruction sheet
D16P30M01CS200	High-pressure controller with manual reset	7...31 (101...450)	Fixed ≥ 2 (29)	Manual	Capillary and countersunk nut 1 m	Upper cover, knob, instruction sheet
D16P45A01MS200	High-pressure controller with automatic reset	10...45 (145...653)	Adjustable 5...15 (73...218)	Automatic	Male 7/16-20UNF	Upper cover, knob, instruction sheet
D16P45M01MS200	High-pressure controller with manual reset	10...45 (145...653)	Fixed ≤ 8 (116)	Manual	Male 7/16-20UNF	Upper cover, knob, instruction sheet

Dimensions



D17P

Adjustable dual pressure controllers



Description and main functions

D17P instruments are adjustable electromechanical pressure controllers for high and low pressure, equipped with 2 independent SPDT switches that close and open as the pressure increases or decreases.

Technical data	D17P	
Compatible refrigerants	R22, R407A, R407C, R134a, R404A, R410A, R448A, R450A, R452A, R507A, R744 **	
Maximum system temperature (TS)	120 °C (248 °F)	
Environmental operating conditions	-40...55 °C (-40...131 °F) / 10...90 % RH	
Transportation and storage conditions	-40...70 °C (-40...158 °F) / 10...90% RH (non-condensing)	
Contact configuration	2 x SPDT	
Electrical load and nominal current	EUROPE 16 (16) A resistive inductive 240 Vac	AMERICA 16 FLA - 96 LRA 240 Vac 3 hp 240 Vac 2 hp 120 Vac
Protection rating provided by outer casing	IP44 with automatic reset and upper cover IP30 with manual reset and upper cover IP20 without upper cover	
Maximum system pressure (PS)	RANGE -0.3... 7 bar (-4.3... 101 psi) 7... 31 bar (101... 449 psi) 10... 45 bar (145... 652 psi)	PS 17 bar (246 psi) 35 bar (507 psi) 50 bar (725 psi)
Burst Pressure	RANGE -0.3... 7 bar (-4.3... 101 psi) 7... 31 bar (101... 449 psi) 10... 45 bar (145... 652 psi)	BURST PRESSURE 80 bar (1160 psi) 140 bar (2030 psi) 200 bar (2900 psi)
Installation	4 x threaded holes for screws M4x5 on the back of the casing	
Regulation	hex head and cross head screws, for range and differential	

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D17P

Adjustable dual pressure controllers

Code	Type	Pressure range bar (psi)	Differential bar (psi)	Reset	Connectors	Accessories included in the standard single pack
1529 D17P30AA1MS500	Dual pressure controller with auto-auto reset	-0.3...7; 7...31 (-4.3...101; 101...450)	Adjustable LP 0.6...4 (9...58); Adjustable HP 2...8 (29...116)	Automatic - Automatic	Male 7/16-20UNF	Upper cover, knob, instruction sheet, mounting bracket
D17P30AA1CS200	Dual pressure controller with auto-auto reset	-0.3...7; 7...31 (-4.3...101; 101...450)	Adjustable LP 0.6...4 (9...58); Adjustable HP 2...8 (29...116)	Automatic - Automatic	Capillary and countersunk nut 1 m	Upper cover, knob, instruction sheet
1525 D17P30AM1MS500	Dual pressure controller with auto-manual reset	-0.3...7; 7...31 (-4.3...101; 101...450)	Adjustable LP 0.6...4 (9...58); Fixed HP ≥ 2 (29)	Automatic - Manual HP	Male 7/16-20UNF	Upper cover, knob, instruction sheet, mounting bracket
D17P30AM1CS200	Dual pressure controller with auto-manual reset	-0.3...7; 7...31 (-4.3...101; 101...450)	Adjustable LP 0.6...4 (9...58); Fixed HP ≥ 2 (29)	Automatic - Manual HP	Capillary and countersunk nut 1 m	Upper cover, knob, instruction sheet
D17P30MM1MS200	Dual pressure controller with manual-manual reset	-0.3...7; 7...31 (-4.3...101; 101...450)	Fixed LP ≤ 1 (14); Fixed HP ≥ 2 (29)	Manual - Manual	Male 7/16-20UNF	Upper cover, knob, instruction sheet
D17P30MM1CS200	Dual pressure controller with manual-manual reset	-0.3...7; 7...31 (-4.3...101; 101...450)	Fixed LP ≤ 1 (14); Fixed HP ≥ 2 (29)	Manual - Manual	Capillary and countersunk nut 1 m	Upper cover, knob, instruction sheet
D17P45AA1MS200	Dual pressure controller with auto-auto reset	-0.3...7; 10...45 (-4.3...101; 145...653)	Adjustable LP 0.6...4 (9...58); HP 5...15 (73...218)	Automatic - Automatic	Male 7/16-20UNF	Upper cover, knob, instruction sheet
D17P45AM1MS200	Dual pressure controller with auto-manual reset	-0.3...7; 10...45 (-4.3...101; 145...653)	Adjustable LP 0.6...4 (9...58); Fixed HP ≤ 8 (≤ 116)	Automatic - Manual HP	Male 7/16-20UNF	Upper cover, knob, instruction sheet

Dimensions

