

EXD-HP1/2 Stand-alone Superheat/Economizer Controller

EXD-HP1/2 are stand-alone universal superheat and or economizer controllers for heat pumps, heating units, air conditioning and precision cooling such as telecom and shelter applications.

Features EXD-HP1/2

- Self adapting superheat/economizer control in conjunction with EMERSON stepper motor driven electronic expansion Valves EXM/EXL
- Discharge hot gas temperature control by liquid/vapor injection to compressor
- EXD-HP1: Controller with one EXV output
- EXD-HP2: Controller with two independent EXV outputs
- Controllers as slave with Modbus (RTU) communication capability. All data (read/write) accessible by any third party controller having modbus communication (RTU)
- Upload/download key (accessory) for transmission of parameter settings among controllers with the same setting
- Released for applications using A2L and A3 refrigerants
- Low pressure switch and freeze protection function
- Manual positioning of valve(s)
- Limitation of evaporating pressure (MOP)
- Low/high superheat alarm
- Monitoring of sensors and sensor wiring / detection of sensor and wiring failures
- Integrated display (3-digit LEDs) and keyboard
- Electrical connection via plug-in type screw terminals (included with controller)
- DIN rail mounting housing



EXD-HP2

Selection Table



Type	Description	Part No.	
		Multipack (20 pieces)	Single pack
EXD-HP1	with 1 EXV output	807836M	-
EXD-HP2	with 2 EXV outputs	807837M	-
EXM-B0A	Electronic expansion valve	800399M	-
EXM-B0B		800400M	-
EXM-B0D		800401M	-
EXM-B0E		800402M	-
EXM-125	Coil 12 VDC	800403M	-
EXL-B1F	Electronic expansion valve	800405M	-
EXL-B1G		800406M	-
EXL-125	Coil 12 VDC	800407M	-
EXN-B2K	Electronic expansion valve (not selectable in conjunction with R290)	-	800421
EXN-B2L		-	800422
EXN-125	Coil 12 VDC	-	800420
ECP-P30	Temperature sensor with 3 m cable	-	804495
PT5N-07M / PT5N-07T	-0.8...7 bar	805350M / 805380M	805350 / 805380
PT5N-10P-FLR	-0.8...10 bar	805391M	805391
PT5N-18M / PT5N-18T	0...18 bar	805351M / 805381M	805351 / 805381
PT5N-30M / PT5N-30T	0...30 bar	805352M / 805382M	805352 / 805382
PTN-30P-FLR		805389M (25 pcs)	805389
PT4-M15	1.5 m cable length	804803M	804803
PT4-M30	3.0 m cable length	804804M	804804
PT4-M60	6.0 m cable length	804805M	804805
PT4-M60-FLR	6.0 m cable length, 2-wire, ATEX certified	-	804806