

### *Cold room (packaged)*

#### Alarm and digital inputs configuration

300 s	LOW del	Low superheat alarm delay
0 s	HiTs del	HiTsuct alarm delay
120 s	LOP del	LOP alarm delay
0 s	MOP del	MOP alarm delay

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#### Configuration parameters

YES	DI Start	Enable digital input startup
NO	En4-20mA	Enable 4-20mA input positioning
NO	EnON/OFF	Enable remote ON/OFF command
NO	ON/OFF	Remote ON/OFF
-0.5	barg P@4mA	Pressure probe (4-mA value)
7.0	barg P@20mA	Pressure probe (20-mA value)

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#### Regulation parameters

50 %	Circ/EEV	Circuit/EEV ratio
???	Refr	Refrigerant 1=R22, 2=R134a, 3=R404a, 4=R407c, 5=R410a, 6=R507c, 10=R717, 11=R744
6 °C	SH Set	Superheat PID setpoint
???	SH PID Kp	Superheat PID proportional gain Carel E <sup>2</sup> V: 3 Alco EX5/EX6: 6 Sporlan SEI 1-11, Alco EX7: 8 Alco EX8, Sporlan SEI 25: 18 Sporlan SEI 50-250: 35
50 s	SH PID Ti	Superheat PID integral time
1.0 s	SH PID Td	Superheat PID derivative time
0 °C	SH PID db	Superheat PID dead band
1.0 s	LOW Ti	Low superheat integral time
2.5 °C	LOW	Low superheat threshold
-40 °C	LOP	LOP threshold 5°C to 10°C below nominal evaporation temperature
2.0 s	LOP Ti	LOP Integral time
???	MOP	MOP threshold
5.0 s	MOP Ti	MOP Integral time
30 s	MOP del	MOP startup delay
75 °C	HiTc	HiTcond threshold
0 s	HiTc Ti	HiTcond Integral time
50 °C	HiTs	HiTsuct threshold

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#### EEV type

#### Chose the correct valve type

60 sec	EEV Forc	Forced opening/closing delay
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Values that need to be set according to unit type/system used

Values that may need tuning according to system dynamic