Controllers for highly energy-saving refrigerated cabinets, capable of managing Embraco and Secop variable speed compressors



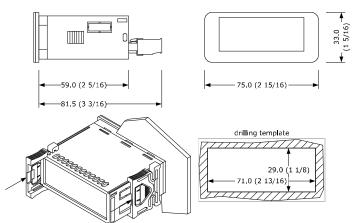




- Controllers for low temperature units
- Power supply 115... 230 VAC.
- Cabinet probe, evaporator probe and condenser probe (PTC/NTC)
- Door switch input.
- Capable of managing Embraco, Secop and Tecumseh VTC variable speed compressors
- Cooling or heating operation.
- Operation with programming key

MEASUREMENTS AND INSTALLATION

Measurements in mm (inches). To be fitted to a panel, snap-in brackets provided.



INSTALLATION PRECAUTIONS

- The thickness of the panel must be between 0.8 and 2.0 mm (1/32 and 1/16 in) Ensure that the working conditions are within the limits stated in the TECHNICAL
- Do not install the device close to heat sources, equipment with a strong magnetic field, in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations
- In compliance with safety regulations, the device must be installed properly to ensure adequate protection from contact with electrical parts. All protective parts must be fixed in such a way as to need the aid of a tool to remove them.

2 ELECTRICAL CONNECTION

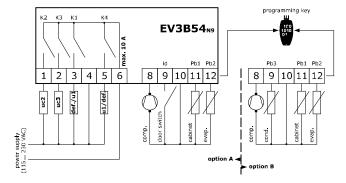


Use cables of an adequate section for the current running through them.

To reduce any electromagnetic interference connect the power cables as far away as possible from the signal cables.

Option A: electrical connection with cabinet probe, evaporator probe and door switch input (P4 = 0) active with contact closed (i1 = 0, default).

Option B: electrical connection with cabinet probe, evaporator probe and condenser probe (P4 = 1).



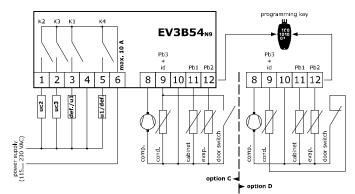
Option C: electrical connection with cabinet probe, evaporator probe, condenser probe + door switch input (P4 = 2, default) active with contact closed (i1 = 0, default).

Option D: electrical connection with cabinet probe, evaporator probe, condenser probe + door switch input (P4 = 2, default) active with contact open (i1 = 1).

During the door opening the high condensation warning and the high condensation alarm are

disabled.

A door opening can be interpreted as a condenser probe alarm.



- K1 = condenser fan
- K2 = evaporator fan K3 = cabinet light
- K4 = defrost.

PRECAUTIONS FOR ELECTRICAL CONNECTION

- If using an electrical or pneumatic screwdriver, adjust the tightening torque.
- If the device has been moved from a cold to a warm place, the humidity may have caused condensation to form inside. Wait about an hour before switching on the power.
- Make sure that the supply voltage, electrical frequency and power are within the set limits. See the section TECHNICAL SPECIFICATIONS.
- Disconnect the power supply before doing any type of maintenance.
- Do not use the device as safety device.
- For repairs and for further information, contact the EVCO sales network.

3 FIRST-TIME Install following the instructions given in the section MEASUREMENTS AND INSTALLA-TION

- test will be run.
- Power up the device as shown in the section ELECTRICAL CONNECTION and an internal The test normally takes a few seconds, when it is finished the display will switch off.

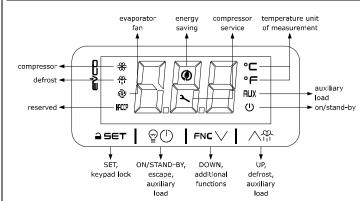
Configure the device as shown in the section Setting configuration parameters Recommended configuration parameters for first-time use.

PAR.	DEF.	PARAMETER	MIN MAX.
SP	0.0	setpoint	r1 r2
PO	1	probe type	O = PTC 1 = NTC
P2	0	temperature unit of measurement	0 = °C 1 = °F
d1	0	defrost type	0 = electric 1 = hot gas
			2 = compressor stopped
r15	1	compressor type	1 = Embraco VEM
			2 = Embraco VEG
			3 = Embraco VNEK e VNEU
			4 = Secop VNL 50 150 Hz (25 Hz
			in off)
			5 = Secop 33 133 Hz
			6 = Tecumseh VTC

Then check that the remaining settings are appropriate; see the section CONFIGURA TION PARAMETERS.

- Disconnect the device from the mains.
- Make the electrical connection as shown in the section ELECTRICAL CONNECTION with out powering up the device.

USER INTERFACE AND MAIN FUNCTIONS



Switching the device on/off

₽(I) If POF = 1 (default), touch the ON/STAND-BY key for 4 s.

If the device is switched on, the display will show the P5 value ("cabinet temperature" default);

if the dis	display snows an alarm code, see the section ALARMS.							
LED	ON	OFF	FLASHING					
*	compressor on	compressor off	- compressor protection active - setpoint setting active					
*	defrost or pre-dripping active	-	defrost delay activedripping active					
@	evaporator fan on	evaporator fan off	evaporator fan stop active					
②	energy saving activelow consumption active	-	-					
4	request for compressor service	-	settings active access to additional functions active					
°C/°F	view temperature	-	overcooling or overheating active					
AUX	auxiliary load on	auxiliary load off	auxiliary load on by digital input auxiliary load delay active					
G	device off	device on	device on/off active					

If 30 s have elapsed without the keys being pressed, the display will show the "Loc" label and the keypad will lock automatically

Unlock keypad

Touch a key for 1 s: the display will show the label "UnL"

4.3 Set the setpoint

Check that the keypad is not locked.

1.	≙ SET	Touch the SET key.		
2.		Touch the UP or DOWN key within 15 s to set the value within the limits r1 and r2 (default "-40 50")		
		Touch the SET key (or do not operate for 15 s).		

Activate manual defrost (if r5 = 0, default)

Check that the keypad is not locked and that overcooling is not active

 $\wedge \oplus$ Touch the UP key for 2 s.

If P3 = 1 (default), defrost is activated provided that the evaporator temperature is lower than the d2 threshold

Cabinet light on/off (if u1 = cabinet light, default and if uc3 = cabinet light)

P() Touch the ON/STAND-BY key

if u1 = 1, the **demisting** switches on for the u6 duration. if u1 = 2 and the keypad is not locked, the button-operated load switches on/off.

Demisting on for the u6 duration (if u1 = cabinet light or button-operated load and uc3 = demisting and if u1 = demisting and uc3 = cabinet light)

Touch the UP key.

Button-operated load on/off (if u1 = button-operated load and uc3 = cabinet △₩ Touch the UP key

4.8 Silence buzzer Touch a key.

If u1 = 3 (relay K4 configuration = alarm) and u4 = 1 (enable alarm output off silencing the buzzer = yes) , the alarm output switches off.

5 ADDITIONAL FUNCTIONS 5.1 Activate/deactivate overcooling, overheating and manual energy saving Check that the keypad is not locked.

FUNCTION	CONDITION	CONSEQUENCE
overcooling	r5 = 0, $r8 = 1$ and defrost	the setpoint becomes "setpoint -
	not active	r6", for the r7 duration
overheating	r5 and r8 = 1	the setpoint becomes "setpoint +
		r6", for the r7 duration
energy saving	r5 = 0 and r8 = 2	the setpoint becomes "setpoint +

r4", at maximum for HE2 duration

r5

17 r6

View/delete compressor functioning hours

FNC \ Touch the DOWN key.

Check that the keypad is not locked.

FNC 🗸 Touch the DOWN key for 4 s.

2.	√ FN		Touch the UP or DOWN key within 15 s to select a label.
	LAB.	DESCRIPTION	NC
	СН	view compr	essor functioning hours
	rCH	delete comp	pressor functioning hours
3.	==	5ET	Touch the SET key.
4.	√ FN		Touch the UP or DOWN key to set "149" (when label "rCH" is selected).
5.	≙SET		Touch the SET key.
6.			Touch the ON/STAND-BY key (or do not operate for 60 s) to exit the procedure.

5.3 View the temperature detected by the probes

Check that the keypad is not locked. FNC 🗸 Touch the DOWN key for 4 s

۱-	2.			Touch the UP or DOWN key within 15 s to select a label.				
		LAB.	DESCRIPTION	DN				
		Pb1	cabinet tem	nperature				
-1		Pb2	evaporator	temperature (if P3 = 1 or 2)				
		Pb3	condenser t	emperature (if P4 = 1 or 2)				
	3. □ ≘ 5€ Т □		5 ∈T	Touch the SET key.				
	4	1 00 1		Touch the ON/STAND-BY key (or do not operate for 60 s) to exit				

5.4 View the percentage of the supplied PWM signal

the procedure

Assicurarsi che la tastiera non sia bloccata

1.	FNC V	Touch the DOWN key for 4 s.
2.		Touch the UP or DOWN key within 15 s to select "PoU".
3.	aset	Touch the SET key.
4.		Touch the ON/STAND-BY key (or do not operate for 60 s) to ex the procedure.

	1	The procedure.
6	SETTINGS	
6.1	Setting configurat	ion parameters
1.	≘ SET	Touch the SET key for 4 s: the display will show the label "PA".
2.	aset	Touch the SET key.
3.	₹ FILOM IA	Touch the UP or DOWN key within 15 s to set the PAS value (default "-19").
4.	aset	Touch the SET key (or do not operate for 15 s): the display will show the label " SP ".
5.	₹ FNL ♦	Touch the UP or DOWN key to select a parameter.
6.	aset	Touch the SET key.
7.		Touch the UP or DOWN key within 15s to set the value.
8.	≙SET	Touch the SET key (or do not operate for 15 s).
9.	aset	Touch the SET key for 4 s (or do not operate for 60 s) to exit the procedure.

Restore the factory settings (default) and store customized settings as default 6.2

Ö Check that the factory settings are appropriate; see the section CONFIGURATION PARAMETERS.

The storing of customized settings overwrites the default

	1. SET		5 € T	Touch the SET key for 4 s: the display will show the label "PA".			
	2.	2. SET		Touch the SET key.			
	3. (FNL)			Touch the UP or DOWN key within 15 s to set the value.			
		VAL.	DESCRIPTION	ON			
		149	value to res	store the factory settings (default)			
-		161	value to sto	re customized settings as default			
-	4.	==	5 ∈ ⊤	Touch the SET key (or do not operate for 15 s): the display wi show the label "dEF" (when value "149" is set) or the labe "MAP" (when value "161" is set).			
	5. a set		∋∈ ⊤	Touch the SET key.			
	6.	√ FN		Touch the UP or DOWN key within 15 s to set *4".			
1	7.	==	∋ ∈ ⊤	Touch the SET key (or do not operate for 15 s): the display wi show for 4 s "" flashing, then the device will exit the procedure.			
	8.	Interru	upt the power	supply to the device.			

CONFIGURATION PARAMETERS

Touch the SET key 2 s before action 6. to exit the procedure be-

Ü≡	N. PAR. DEF. SETPOINT		MIN MAX.			
	1	SP	-20	setpoint	r1 r2	
	N.	PAR.	DEF.	ANALOGUE INPUTS MIN MAX.		
	2	CA1	0.0	cabinet probe offset	-25 25 °C/°F	
	3	CA2	0.0	evaporator probe offset	-25 25 °C/°F	
	4	CA3	0.0	condenser probe offset	-25 25 °C/°F	
	5	P0	1	probe type	O = PTC 1 = NTC	
	6	P1	0	enable °C decimal point	0 = no 1 = yes	
	7	P2	0	temperature unit of measure- ment	0 = °C 1 = °F	
_	8	P3	1	evaporator probe function	0 = disabled	
Ο.					1 = defrost + fan	
					2 = fan	
	9	P4	2	configurable input function		
					1 = condenser probe	
					2 = condenser probe + door	
					switch input	
	10	P5	0	value displayed	0 = cabinet temperature	
					1 = setpoint 2 = evaporator temperature	
					3 = condenser temperature	
	11	P8	0	display refresh time	0 250 s : 10	
-	N.	PAR.	DEF.	REGULATION	MIN MAX.	
	12	r0	3.0	setpoint differential	1 15 °C/°F	
	13	r1	-30	minimum setpoint	-99 °C/°F r2	
	14	r2	-10	maximum setpoint	r1 199 °C/°F	
43	15	r4	0.0	setpoint offset in energy saving	0 99 °C/°F	
T	16	r5	0	cooling or heating operation	0 = cooling	

cooling or heating operation

18 r7 0 overcooling/overheating duration 0... 240 min

ing/overheating

setpoint offset in overcool- 0... 99 °C/°F

0 = cooling 1 = heating

EVCO S.	p.A.	EV3B54 r8	Instru	ction sheet ver. 1.1 Code 1043B54E1	13 Page 2 of 2 PT 38/17 0 = disabled
					1 = overcooling/overheating 2 = energy saving
	20	r13	25.0	proportional band (relative to setpoint)	setpoint + r13
	21	r14 r15	10 3	integral action time tipo di compressore	0 99 min 1 = Embraco VEM
					2 = Embraco VEG 3 = Embraco VNEK e VNEU 4 = Secop VNL 50 150 Hz
					(40 Hz in off) 5 = Secop 33 133 Hz
	N.	PAR.	DEF.	COMPRESSOR	6 = Tecumseh VTC MIN MAX.
	23	CP0	0	time compressor at 85 Hz after power-on	0 100 s x 10
	24	CO	1	compressor on delay after pow- er-on	
	25 26	C2 C3	0	compressor off minimum time compressor on minimum time (minimum speed)	0 240 min 0 240 s
	27	C4	5	compressor off time during cabinet probe alarm	0 240 min
	28	C5	10	compressor on time (maximum speed) during cabinet probe	0 240 min
	29	C6	55.0	alarm threshold for high condensation	
	30	C7	60.0	warning threshold for high condensation	differential = 2 °C/4 °F 0 199 °C/°F
	31	C8	1 5	alarm high condensation alarm delay consecutive time cabinet tem-	0 15 min
				perature in proportional band for compressor at maximum speed	
	33	C10	0	compressor hours for service	setpoint 0 999 h x 10
	N.	PAR.	DEF.	DEFROST (if r5 = 0)	0 = disabled MIN MAX.
	34	d0	12	automatic defrost interval	0 99 h 0 = only manual if d8 = 3, maximum interval
	35	d1	1	defrost type	0 = electric 1 = hot gas
	36	d2	6.0	threshold for defrost end	2 = compressor stopped -99 99 °C/°F
	37	d3	30	defrost duration	0 99 min se P3 = 1, maximum duration
	38	d4 d5	0	enable defrost at power-on defrost dealy after power-on	0 = no 1 = yes 0 99 min
	40	d6	1	value displayed during defrost	0 = cabinet temperature 1 = display locked 2 = dEF label
	41	d7 d8	3	dripping time defrost interval counting mode	0 15 min 0 = device on hours
				3	1 = compressor on hours 2 = hours evaporator tem-
					perature < d9 3 = adaptive
٥	43	d9	0.0	evaporation threshold for auto- matic defrost interval counting	-99 99 °C/°F
•	44	d11 d15	0	enable defrost timeout alarm compressor on consecutive time for hot gas defrost	0 = no 1 = yes -20 99 min if negative values, dripping
	46	d16	0	pre-dripping time for hot gas de-	heaters on duration 0 99 min
	47	d18	0	frost adaptive defrost interval	0 999 min
					if compressor on + evapora- tor temperature < d22
	48	d19	0.0	threshold for adaptive defrost (relative to optimal evaporation	
	49	d20	0	temperature) compressor on consecutive time	ture - d19 0 999 min
	50	d21	0	for defrost compressor on consecutive time	
				for defrost after power-on and overcooling	if (regulation temperature - setpoint) > 10°C/20 °F P 0 = disabled P
	51	d22	0.0	evaporation threshold for adap- tive defrost interval counting	-10 10 °C/°F
				(relative to optimal evaporation temperature)	ture + d22
	N. 52	PAR.	DEF.	ALARMS threshold for low temperature	MIN MAX. 0 99 °C/°F
	53	A4	50.0	alarm (relative to setpoint) threshold for high temperature	0 = disabled C cabinet temperature - A1 0 99 °C/°F di
	53	A4	50.0	alarm (relative to setpoint)	0 = disabled cabinet temperature + A4
•	54	A6	12	high temperature alarm delay after power-on	0 99 min x 10
~7	55	A7	15	high/low temperature alarms de- lay	0 240 min Pt
	56	A8	15	high temperature alarm delay af- ter defrost	0 240 min
	57	A9 A11	2.0	high temperature alarm delay af- ter door closing high/low temperature alarms re-	0 240 min M 7! 1 15 °C/°F 2
	N.	PAR.	DEF.	set differential FANS	MIN MAX.
	59	FO	1	evaporator fan mode during normal operation	0 = off 1 = on 2 = according to F15 and D
					F16 if compressor off, on if compressor on C
					3 = thermoregulated (with Fi F1) 2. 4 = thermoregulated (with Mithematical Fi Fi F1) 4 = thermoregulated (with Fi Fi F1) 4 = thermoregulated (with Fi F1) 4 = thermoregulated (with F1) 4
	60	F1	0.1	threshold for evaporator fan op-	4 = thermoregulated (with F1) if compressor on Pc
	61	F2	0	eration evaporator fan mode during de-	0 = off 1 = on 0
	62	F3	2	frost and dripping evaporator fan stop maximum	2 = according to F0
Ş	63	F4	30	duration evaporator fan off time during energy saving	0 240 s x 10
	64	F5	30	evaporator fan on time during energy saving	0 240 s x 10
	65	F6	30	evaporator fan on time after compressor on	if F0 = 3 or 4
	66	F7	20.0	threshold for evaporator fan on after dripping (relative to	-99 99 °C/°F
	67	F8	2.0	setpoint) threshold for evaporator fan operation differential	1 15 °C/°F
	68	F9	10	evaporator fan off delay after compressor off	0 240 s if F0 = 2
	69	F10	0	evaporator fan and condenser fan off minimum time	0 240 s
	70	F11	10.0	threshold for condenser fan on	0 99 °C/°F
					·

	71	F12	0	condense	r fan off or off	delay	/ after	0 240 s if P4 = 0
	72	F13	2.0		for conde	nser	fan on	1 15 °C/°F
	73	F14	0	condenser fan mode				0 = thermoregulated (with F11)
								1 = thermoregulated (with F11) if compressor on
	74	F15	60	evaporato compress		time	e with	0 240 s if F0 = 2
	75	F16	10		evaporator fan on time with			0 240 s if F0 = 2
	N. PAR. DEF.			DIGITAL	INPUTS			MIN MAX.
	76 i0 2			door swit	ch input fun	ction		0 = disabled 1 = compressor + evapora- tor fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evapora- tor fan off, cabinet light
								on 5 = evaporator fan off + cabinet light on
~	77	i1	1	door swit	ch input acti	ivatio	n	0 = with contact closed 1 = with contact open
,	78	i2	0	open doo	r alarm dela	ıy		-1 120 min -1 = disabled
	79	i3	-1	_	n inhibition door open	n ma	ıximum	-1 120 min -1 = until the closing
	80	i10	0		time with door open door closed consecutive time for energy saving			0 999 min after regulation temperature < SP
	81	i13	0	number o	number of door openings for de-			0 = disabled 0 240
	82	i14	0		door open consecutive time for			0 = disabled 0 240 min
	N. PAR. DEF. DIGITAL OUTPUTS						0 = disabled MIN MAX.	
	N. 83	uc	1		lay K1 and	relay	K4 in-	0 = no 1 = yes
	84	uc2	0		configuration	n		0 = evaporator fan 1 = dripping heaters
	85	uc3	1	relay K3	relay K3 configuration			0 = condenser fan 1 = cabinet light 2 = demisting 3 = on/stand-by 4 = compressor
*	86	u1	6	relay K4	relay K4 configuration			0 = cabinet light 1 = demisting 2 = button-operated load 3 = alarm 4 = door heaters 5 = heater for neutral zone 6 = condenser fan 7 = on/stand-by
	87	u2	1		abinet light load in stan		button-	0 = no 1 = yes manual
	88	u4	0	enable al	arm output er	off si	lencing	0 = no 1 = yes
	89	u5	-1.0	threshold	for door he	aters	on	-99 99 °C/°F differential = 2 °C/4 °F
	90	u6	5		on duration			1 100 min x 10
	91	u7	-5.0		one thresho ive to setpoi		r heat-	-99 99 °C/°F differential = 2 °C/4 °F setpoint + u7
	N.	PAR.	DEF.		SAVING (if r			MIN MAX.
1 9	92	HE2	0	energy sa	iving maxim	num d	uration	0 999 min -1 = until the door opening
	93	HE3	0		ve time with ys for low co			0 240 min
	N.	PAR.	DEF.	SAFETIES				MIN MAX.
\otimes	94 95	POF PAS	-19	enable Ol passwor	N/STAND-BY	r key		0 = no 1 = yes -99 999
9			-17	l hasswor	u 			
8 ALARMS								
COD.	-	CRIPTIC			RESET		REMEDI	
Pr1	cabi	net prob	oe alarm	1	automatic		- check	< P0

				ing on koys for low consumption					
\	N.	PAR.	DEF.	SAFETIES	3		MIN MAX.		
	94	POF	1	enable Ol	N/STAND-BY key		0 = no 1 = yes		
~	95 PAS -19 passwor				d		-99 999		
8	ALAR	RMS							
COD.	DESCRIPTION				RESET	REMEDI	EMEDIES		
Pr1	cabinet probe alarm				automatic	- check P0			
Pr2	evaporator probe alarm				automatic	- check probe integrity			
Pr3	condenser probe alarm				automatic	- check electrical connection			
AL	low temperature alarm				automatic	check A1			
АН	high temperature alarm				automatic	check A4			
id	open door alarm (condenser				automatic	check i0 e i1			
	probe alarm if P4 = 2)								
сон	high condensation warning				automatic	check C	26		
CSd	high condensation alarm				manual	- switch the device off and on			
						- check C7			
dFd	defrost timeout alarm				manual	- touch a key			
	l					- check d2, d3 and d11			
9	TECH	INICAL	SPECII	FICATION	IS				

Purpose of the	control device		Function controller			
Construction of	f the control dev	ice	Built-in electronic device			
Container			Black, self-extinguishing			
Category of he	at and fire resist	ance	D			
Measurements						
75.0 x 33.0 x	59.0 mm (2 15	/16 x 1 5/16 x	75.0 x 33.0 x 81.5 mm (2 15/16 x 1 5/16 x			
2 5/16 in) with	fixed screw terr	minal blocks	3 3/16 in) with removable screw terminal			
			blocks			
Mounting meth	ods for the cont	rol device	To be fitted to a panel, snap-in brackets pro- vided			
Degree of proting	tection provided	by the cover-	IP65 (front)			
Connection me	thod					
Fixed screw to 2,5 mm ²	erminal blocks f	or wires up to	Removable screw terminal blocks for wires up to 2,5 mm ² ; by request			
Maximum permitted length for connection cables						
Power supply:	10 m (32.8 ft)		Analogue inputs: 10 m (32.8 ft)			
Digital inputs:	10 m (32.8 ft)		Analog outputs: 3 m (9.84 ft)			
Digital outputs:	: 10 m (32.8 ft)					
Operating temp	oerature		From 0 to 55 °C (from 32 to 131 °F)			
Storage tempe	rature		From -25 to 70 °C (from -13 to 158 °F)			
Operating hum	idity		Relative humidity without condensate from 10 to 90%			
Pollution status	of the control of	levice	2			
Conformity						
RoHS 2011/65/CE		WEEE 2012/19	/EU	REACH (EC) Regulation 1907/2006		
EMC 2014/30/U	JE		LVD 2014/35/UE			
Power supply			115 230 VAC (+10% -15%), 50/60 Hz (±3			
			Hz), max. 3.2 VA			
Earthing metho	ods for the contr	ol device	None			
Rated impulse-	withstand voltag	ge	2,5 KV			
Over-voltage c	ategory		11			
Software class	and structure		Α			
Analogue input	S		2 for PTC or NTC probes (cabinet probe and			
			evaporator probe)			
PTC probes	Sensor type		KTY 81-121 (990 Ω @ 25 °C, 77 °F)			
	Measurement f	ield	From -50 to 150 °C (from -58 to 302 °F)			
	Resolution		0.1 °C (1 °F)			

NTC probes	Sensor type		ß3435 (10 K□Ω @ 25 °C, 77 °F)		
	Measurement f	field	From -40 to 105 °C (from -40 to 221 °F)		
	Resolution	0.1 °C (1 °F)			
Other inputs		Input configurable for analogue input (condenser probe)			
		digital input (door switch input, dry contact)			
Dry contact		Contact type		5 VDC, 1.5 mA	
		Power supply		None	
		Protection		None	
Analog outputs	3		1 for PWM signal (compressor inverter)		
PWM signal	Power supply		12 VDC (+16 % -25 %), 20 mA max.		
	Frequency		0 150 Hz		
	Protection		None		
Digital outputs		4 sealed electro-mechanical relays EN 60079-15 standard			
		compliance			
Relay K1			SPST, 8 A res. @ 250 VAC		
Relay K2			SPST, 5 A res. @ 250 VAC		
Relay K3			SPST, 16 A res. @ 250 VAC		
Relay K4			SPST, 5 A res. @ 250 VAC		
Type 1 or Type	2 Actions		Type 1		
Additional feat	ures of Type 1	or Type 2 ac-	С		
tions					
Displays			3 digits custom display, with function icons		
Alarm buzzer			Incorporated		

R

N.B.
The device must be disposed of according to local regulations governing the collection of electrical and electronic waste.

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