E34B

- CONTROLLERS FOR REFRIGERATING UNITS
- 3 INPUTS AND UP TO 4 OUTPUTS
- ENERGY SAVING FUNCTIONS



FEATURES

DISPLAY	E34B
Single	3 red or blue digit, h 17.7 mm
INPUTS	
Three	3x NTC 103AT-2 (10kΩ at 25°C) -50... +109°C (-58... +228°F)
Digital input	1 digital input for free voltage contacts as alternative to one of the measuring inputs
Accuracy	± 0.5 % fs + 1 digit
OUTPUTS	
Four	Up to 4 relays or up to 3 SSR. OUT1: Relay SPST-NO (16A - 1HP 250V, 1/2HP 125 VAC); EN 61810: 16 (9) A - EN 60730: 10 (4)A- UL 60730: 12 A Res., 30 LRA, 5 FLA OUT2: Relay SPST-NO (5A - 1/10HP 125/250 VAC); EN 61810: 5 (1) A - EN 60730: 2 (1)A - UL 60730: 2 A Res.Gen.Use 12 A max. for plug-in version or Only OUT2 SSR 2A OUT3, OUT4: Only OUT3 Relay SPST-NO (5A - 1/10HP 125/250 VAC); EN 61810: 5 (1) A - EN 60730: 2 (1)A - UL 60730: 2 A Res.Gen.Use 12 A max. for plug-in version or Only OUT3 SSR 2A or OUT3 + OUT4 Relay SPST-NO (5A - 1/10HP 125/250 VAC); EN 61810: 5 (1) A - EN 60730: 2 (1)A - UL 60730: 2 A Res.Gen.Use 12 A max. for plug-in version or OUT3 SSR 2A + OUT4 Relay SPST-NO (5A - 1/10HP 125/250 VAC); EN 61810: 5 (1) A - EN 60730: 2 (1)A - UL 60730: 2 A Res.Gen.Use 12 A max. for plug-in version
Relay operations	100000 operations
FUNCTIONAL	
Control	ON/OFF
Acoustic alarm	Internal Buzzer (optional)
Defrosting control	At intervals time, at reaching temperature by stopping compressor, by electrical heating or hot gas/reverse cycle
Energy Saving functions	Available
NFC programming (optional)	Available - with AFC1 device or dedicated software
Special functions	Up to 5 pre-programmable Set points, control cycles with "Turbo" mode, Voltage alarm
Serial communication	TTL for parameters configuration only
GENERAL	
Power supply	100... 240 VAC ±10% (50/60 Hz)
Power consumption	4 VA approx.
Dimensions / Weight	78 x 35 mm - depth 64 mm or 75.5 mm with plug-in terminals / 190g approx.
Keyboard	Mechanical
Connections	Inputs: Screw terminal block or plug-in connector for cables from 0.2 ÷ 2.5 mm² /AWG 24 ÷ 14; Power supply and outputs: Screw terminal block or plug-in connector or Faston 6.3 for cables from 0.2 ÷ 2.5 mm²/AWG 24 ÷ 14
Mounting	Flush in panel in 71 x 29 mm hole
Front protection degree	IP65 (NEMA 3S), mounted in panel with gasket and screw brakets
Operating / storage temperature	0... +50°C (32... +122°F) /-25... +60°C (-13... +140°F)
Operating humidity	<95 RH% without condensation
Conformity	Directive 2004/108/CE (EN55022: class B; EN61000-4-2: 8kV air, 4kV cont.; EN61000-4-3: 10V/m; EN61000-4-4: 2kV power supply and relay outputs, 1kV inputs; EN61000-4-5: power supply 2kV com. mode, 1 kV\diff.mode; EN61000-4-6: 3V), Directive 2006/95/CE (EN 60730-1, EN 60730-2-9), Regulation 37/2005/CE (EN13485 air, S, A, 2, -50°C +90°C wheter used with NTC 103AT11 probe).

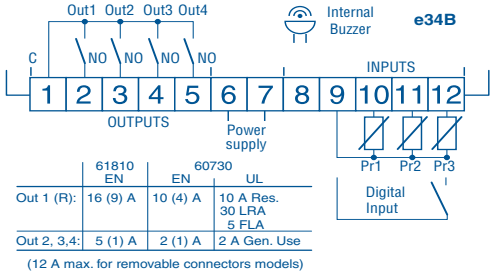
HOW TO ORDER

To compose the part number, pls. choose one of the option for each variable

E34B/E34NB (NFC PROGRAMMING)	CODE
KEYBOARD	
Mechanical	-
POWER SUPPLY	
100... 240 VAC	H
OUT 1	
Relay SPST-NO 16A-AC1	R
OUT 2	
Only OUT2 SSR 2A	Q
Relay SPST-NO 5A-AC1	R
Not available	-
OUT 3 + OUT4	
Only OUT3 Relay SPST-NO 5A-AC1	A
Only OUT3 SSR 2A	Q
OUT3 + OUT4 Relay SPST-NO 5A-AC1	R
OUT3 SSR 2A + OUT4 Relay SPST-NO 5A-AC1	S
Not available	-
BUZZER (INTERNAL)	
Available	B
Not available	-
CONNECTION	
Plug-in screw type	E
Faston terminals	F
Plug-in screw type, fix part only	N
Fix screw type (standard)	V
INPUTS CONNECTION	
Plug-in screw type	E
Faston terminals	F
Plug-in screw type, fix part only	N
Fix screw type (standard)	V
DISPLAY	
Blue+icons	C
Red (standard)	I

CONNECTIONS

E34B

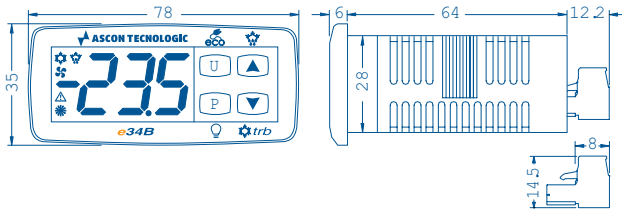


	61810 EN	60730 EN	60730 UL
Out 1 (R):	16 (9) A	10 (4) A	10 A Res. 30 LRA 5 FLA
Out 2, 3,4:	5 (1) A	2 (1) A	2 A Gen. Use

(12 A max. for removable connectors models)

DIMENSIONS

E34B



The dimensions are expressed in mm