



**Blue Star
Entry**



Product presentation

BS07
Electronics for
refrigeration,
compact and fully
equipped.



Blue Star

The product line dedicated to blast chilling, temperature maintenance and proofing. Over 20 years of experience in the sector, have allowed ECS to develop complete and reliable products.

Entry level

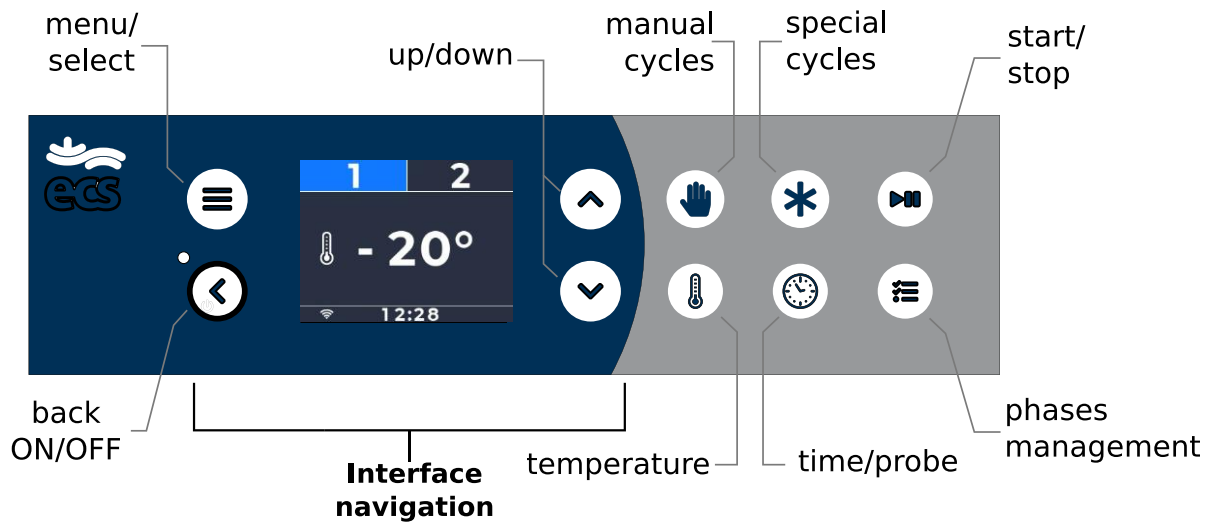
The ideal product to make a qualitative leap from electromechanical control. The familiarity of the mechanical keys combined with the versatility of the display.

Technology and design

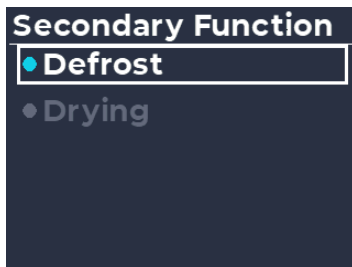
The 7 relays equipment ensures control of all the main functions and connectivity with our Connecty.cloud platform allows you to exploit all the potential offered by the IoT.

The I/O board and the board dedicated to the user interface are assembled in a single solution. This format allows both a reduction of the overall dimensions and a reduction of the necessary components ensuring maximum cost efficiency.

User interface

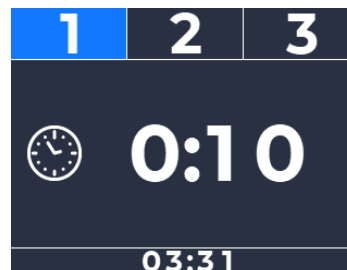


Quick menu



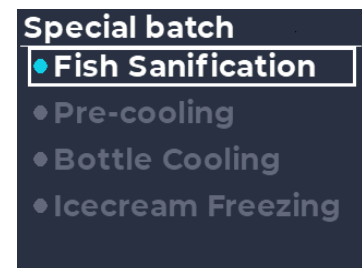
The repeated pressure of the menu button allows quick navigation between the "recipe book", "recipe editing" and "service" menus. The up and down keys control the selection within the menu which can be confirmed or cancelled with the select or back keys.

Quick edit



The main functions of the machine are edited by the relative keys, the adjustment is made with the up and down keys and is immediately saved automatically to allow quick adjustments without having to confirm the values.

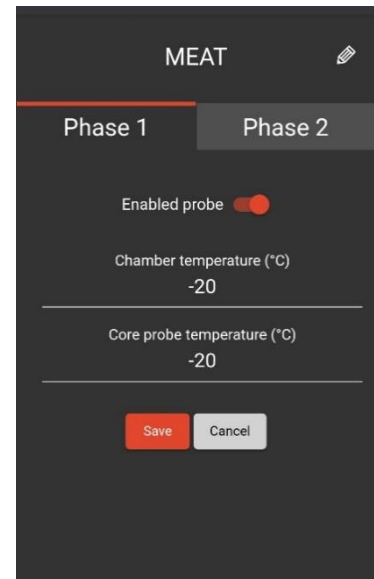
Quick start



Most used programs are easily accessible in the dedicated menu and allows to quickly start blast chilling and freezing, hard and soft. Special functions menu instead, is dedicated to specific products and functionalities that requires specific treatments.

Web server

The QUICK EDIT function allows you to perform the recipes editing through a different device, via the WiFi board network.



Cloud service



The final user can: manage the recipe-book, monitor the machine, browse the log HACCP.



Servicing can: monitor I/O section, locate the machines in order to perform an accurate service.



Manufacturer can: collect data regarding customer habits usage in order to arrange servicing or promotional campaign, update board software.

connecty.cloud

- ✓ Connecty.cloud
- ✓ User functions
- ✓ Service functions
- ✓ Manufacturer functions

Free

Company

- ✓ All free functions
- ✓ Access to all machines
- ✓ Platform and branding customizations

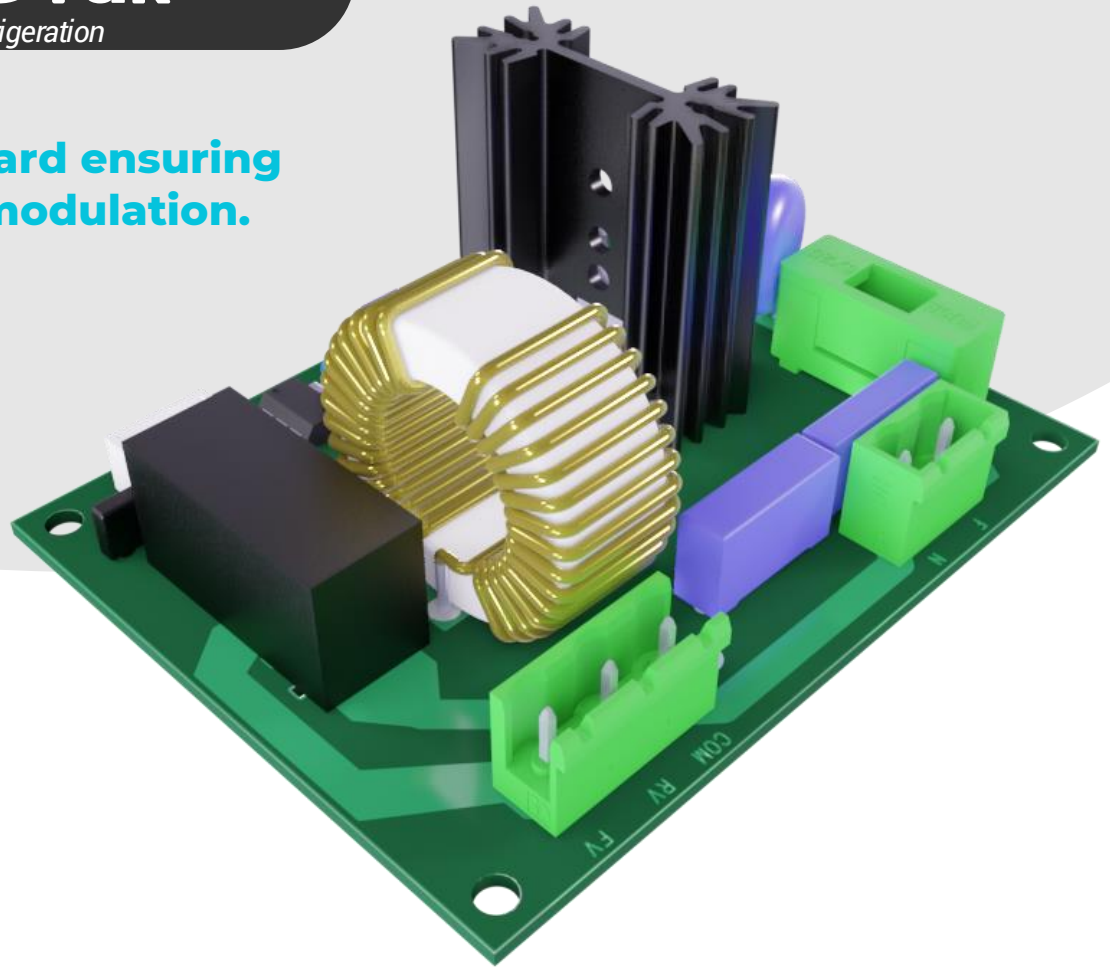
Fee

BS07 Equipment

Equipment	Description	Characteristics
Max. overall dimensions	L 191.50x H 60x P 43 mm	
Weight		
Power supply	External transformer ¹	12 VAC – 10VA
User interface	Display	TFT 2.4" 320x240 IPS
	Keys	10 Mechanical, 1 with white Led
Orientation	Horizontal / Vertical	
7 Digital outputs (*)	Probe heating/pump down relay	16 A (AC1 @250VAC)
	Door frame heating relay	16 A (AC1 @250VAC)
	Light relay	16 A (AC1 @250VAC)
	Condenser relay	5 A (AC1 @250VAC)
	Defrosting realy	5 A (AC1 @250VAC)
	Compressor relay	30 A (AC1 @250VAC)
	Evaporator fan relay	5 A (AC1 @250VAC)
(*) max power range of the terminals is 12 A for each one		
4 Digital inputs	Door switch	Clean contact
	High pressure switch	Clean contact
	Low pressure switch	Clean contact
	Compressor thermal protection	Clean contact
4 Analogue inputs	Chamber probe	PT1000 (-20°C ÷ +350°C)
	Single point core probe	PT1000 (-20°C ÷ +350°C)
	Condenser probe	PT1000 (-20°C ÷ +350°C)
	Evaporator probe	PT1000 (-20°C ÷ +350°C)
Encoder	Coming with push button	Optional
Communication	Wi-Fi	
	USB	Mass storage host
Buzzer	4kHz / 85dB @ 10cm	On board or external
Clock	With backup	

Note 1: not supplied from ECS

Compact board ensuring fans speed modulation.



Modulated speed

Speed rotation fan ranging up to six steps.

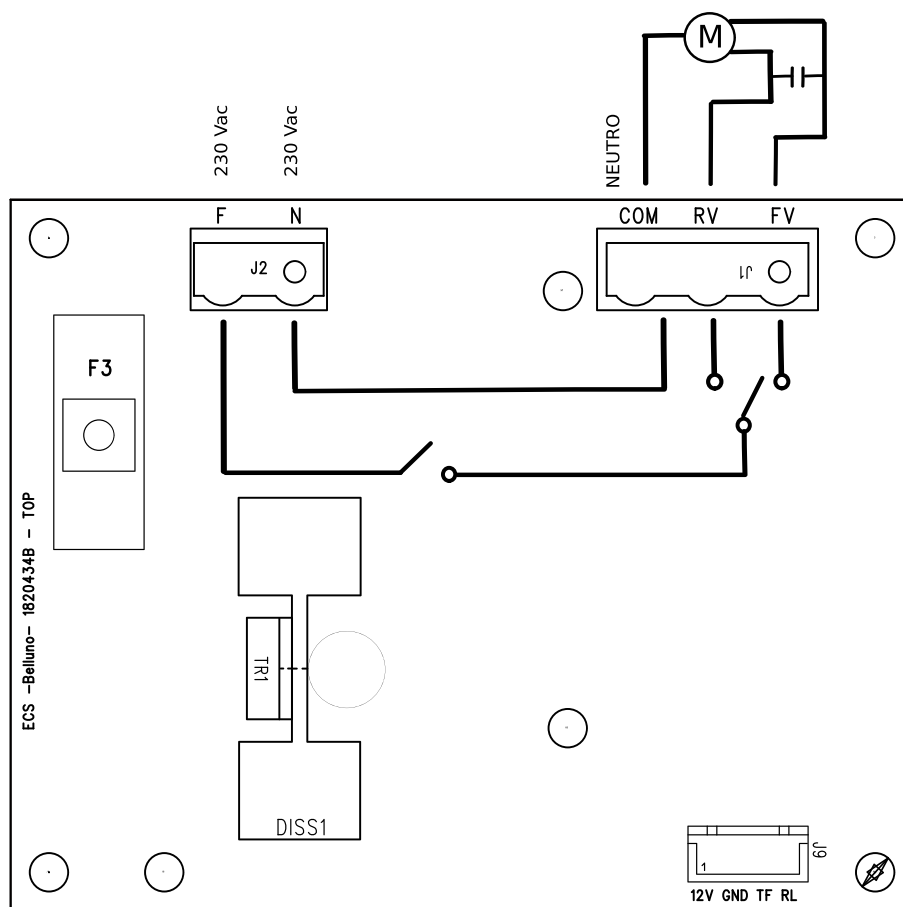
Alternated mode

Fan rotation direction interchanging guarantees a uniform air motion.

Compact and cost effective

It suits well small kind of ovens.

BSFAN700 Connections



COLLEGAMENTO VERSO BASE

BSFAN700 Equipment

Equipment	Description
Max. overall dimensions	94 x 74 mm
Analogue inputs	TRIAC output phase cut motor control
Control	Triac starting pulse Reverse gear control
Relay changover contacts	Reverse gear control
Container	Not provided

Product codes

BS07	
Probes	Code
PT1000	CBS07HP-0.0.0
NTC	CBS07HN-0.0.0

Accessories	Code
BSFAN 700	FAN700-0.0.0



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