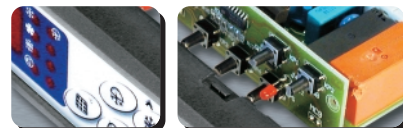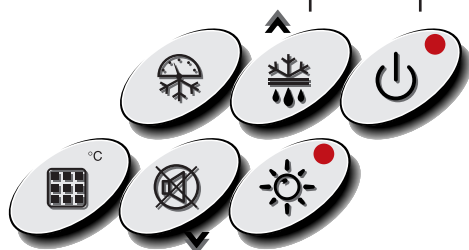# SLIM BASE 2

GENERAL

The Pego SLIM BASE 2 is a controller for refrigeration units. It runs on a 230 V AC power supply and features compressor/cold room light controls and has a NTC probe input and a door microswitch control.

CONTROL KEYPAD

INSTRUMENT ON/OFF

MANUAL DEFROST /
SETTING INCREASE

SET POINT /
SET PARAMETER
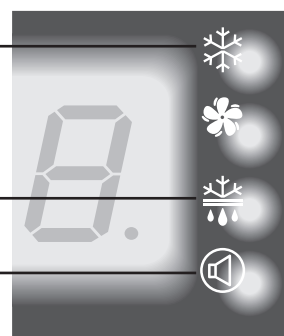
ALARM MUTE /
SETTING DECREASE

COLD ROOM LIGHT

A LED on the COLD ROOM LIGHT key shows if the light is on or off. When the ON/OFF key LED flashes the unit is in stand-by.

WARNING LED

COMPRESSOR STATUS

DEFROST

ALARM

OPERATION

The display shows the temperature read by the probe. Press the SET key to display the temperature setting. To modify the setting press the INCREASE/DECREASE SETTING keys while simultaneously pressing the SET key.
Settings can be made in the range from –45° to + 45°C (default 0°C).

DEFROST

Defrosting (with the refrigeration unit off) is carried out periodically and is of programmable duration. The defrost function can be activated manually at any time by pressing the MANUAL DEFROST key.

COLD ROOM LIGHT

Pressing the COLD ROOM LIGHT key activates the relay that switches on the light. A LED on the key indicates whether the light is on or off.

DOOR MICROSWITCH

Activation of the door microswitch automatically shuts down the compressor and switches on the cold room light. When the door is closed the compressor restarts after a time C1.

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TECHNICAL CHARACTERISTICS

TECHNICAL DATA

Power supply .... 230 VAC
Working temperature .... 0 ÷ 60 °C
Storage temperature .... -30 ÷ +70 °C
Relative ambient humidity .... < 85%
Type of probe .... NTC 10K Ω
Reading range .... -45 ÷ +45 °C
Resolution .... 0,5 °C
Precision .... ± 0,5 °C
Input:
.... Door microswitch
Outputs:
.... compressor (16A relay)
.... light (8A relay)
Container .... self-extinguishing ABS
Overall dimensions .... front 42 x 165 mm; depth 25 mm

PROGRAMMING PARAMETERS

There are 2 programming levels. Parameters can be modified by pressing the SET key and acting on the INCREASE or DECREASE arrow keys.
To exit programming mode press the INCREASE/DECREASE keys simultaneously.

LEVEL 1

To gain access to the first level press the INCREASE/DECREASE keys simultaneously.

Parameter	Description	Limits	Default
r0	Temperature differential	1 ÷ 10 °C	2 °C
d0	Defrost period	0 ÷ 24 h	4 h
d2	End-of-defrost temperature	-35 ÷ +45 °C	10 °C
d3	Max. defrost duration	1 ÷ 60 min	25 min
d7	Drip-drain at end of defrost	0 ÷ 10 min	0 min
F5	Fan stop at end of drip-drain	0 ÷ 10 min (not used)	0 min
A1	Min. temperature alarm	-45 ÷ +45 °C	-45 °C
A2	Max. temperature alarm	-45 ÷ +45 °C	+45 °C
tEu	Probe temperature at end of defrost	Read only (not used)	

LEVEL 2

To gain access to the second level press the INCREASE + DECREASE + COLD ROOM LIGHT keys simultaneously.

Parameter	Description	Limits	Default
AC	Door switch input	0=N.O. 1=N.C.	0
F3	Fan status (not used)	0= fans running continuously 1= fans running with the compressor	1
F4	Fans at standstill during defrost (not used)	0= fans ON during defrost 1= fans OFF during defrost	1
dE	End-of-defrost probe disable	0= probe present 1= probe absent (defrost with system off)	1
d1	Cycle inversion or element defrost (not used)	1= cycle inversion mode 0= element mode	0
Ald	Alarms delay	1 ÷ 240 min	120 min
C1	Compressor start delay	0 ÷ +15 min	0 min
CAL	Probe calibration	-10 ÷ +10 °C	0 °C
Fst	Fan shutdown temperature (not used)	-45 ÷ +45 °C	+45 °C

ALARM CODES

ALARM	Meaning
E0	Temperature probe fault
E1	End-of-defrost probe fault
E2	EEPROM fault
E4	Software incompatibility between master and consol
En	No connection between master and consol
Flashing display	Temperature alarm. Temperature detected by probe is outside limits A1 and A2.

CONNECTIONS

PROBE

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 9 | 10 | 11 | 12 | | 13 | 14 | 15 |

LIGHT   COM.   COMP.   230Vac   SWITCH DOOR   AMB.

Pego®
Electrical Boards