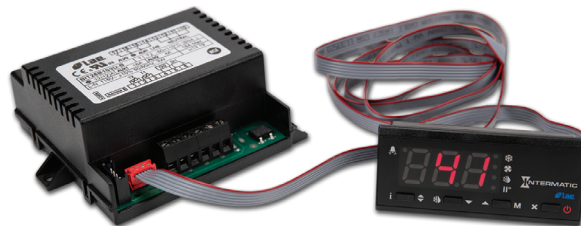


# BIT25

86 mm H x 82 mm W x 44 mm D

## Split HT/LT Refrigeration Controller



### Main Features

- Three highly rated relay outputs
- Configurable control of Aux 1 and Aux 2 outputs
- Alternate set of parameters for energy saving
- Management of multiple alarms
- Option of setpoint adjustment via a potentiometer, no display
- Standby button (ON/OFF)
- Universal power supply 100-240 Vac
- Suitable for R290
- Connection to LAE supervisory systems
- UL approved

### Applications

Upright refrigerators, bottle coolers, plug-in display cases for shops and supermarkets, cold stores, control panels.

### BIT25 Series

Functions		B1S3E-B	B1S3U-BI	B1S3WH-B
Temperature Inputs	Thermostat	✓	✓	✓
	Evaporator	✓	✓	✓
Digital Inputs	DI1 Digital Input	✓	✓	✓
	DI2 Digital Input	✓	✓	✓
Outputs	Thermostat	✓	✓	✓
	Auxiliary 1	✓	✓	✓
	Auxiliary 2	✓	✓	✓
R290 Option				✓
Power Supply	230 Vac	✓		
	115 Vac		✓	
	100÷240 Vac			✓
Serial Port	TTL	✓	✓	
	RS485			✓

### Notes

All models come with an alarm buzzer.

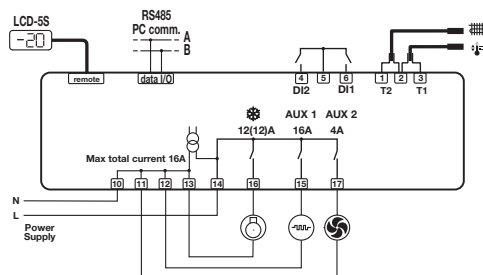
For more available options, please contact Intermatic customer service: +1 815 675 7000

### Technical Data

Range	-50÷110° C, -58÷180° F
Resolution	0.1 / 1 ° C; ° F
Precision	<±0.5° C within the measurement range
Sensor Type	NTC10K mod. standard SN4B20P1/P2
Power Supply	115 Vac, 230 Vac or universal 100..240 Vac, ±10%, 50÷60 Hz, 3 W
Ambient Temperature	-10÷50° C

### LCD-5S Display Unit

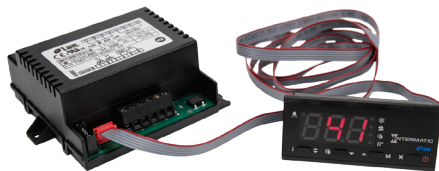
Range H x W x D	35 mm x 77 mm x 20 mm
Panel Cut-Out H x W	29 mm x 71 mm
Front Protection	IP55



BIT25B1S3W-B

## Standard Models

Standard Models	Description	Sensor Inputs	Digital Inputs	Terminal Connection	Outputs	Power Supply	Communications	Overlay	Relays
<b>BIT25-B1S3E-BI</b>	REF Controller, 2 NTC/PTC, 1 BI, 3 rly, 230 Vac, Screw Terminals, RS485	2	1	Screw	Compressor Relay (12(12)A) AUX (16A) AUX 2 (4A)	230Vac	RS485	Standard	Standard
<b>BIT25-B1S3U-BI</b>	REF Controller, 2 NTC/PTC, 1 BI, 3 rly, 115 Vac, Screw Terminals, RS485	2	1	Screw	Compressor Relay (12(12)A) AUX (16A) AUX 2 (4A)	115Vac	RS485	Standard	Standard
<b>BIT25-B1S3W-BI</b>	REF Controller, 2 NTC/PTC, 1 BI, 3 rly, 110-230 Vac, Screw Terminals, RS485, Propane	2	1	Screw	Compressor Relay (12(12)A) AUX (16A) AUX 2 (4A)	110-230 Vac	RS485	Standard	Standard



## Unique Applications

In addition to our standard models, LAE by Intermatic offers a wide range of configuration options that allow customers to customize controls to fit their unique needs and applications. The table below highlights all of the available customization options.

## Product Matrix

Model Prefix	Code Letter / Number	Description	BIT-25	B	1	S	4	W	B
<b>Inputs</b>	A	Thermostat Probe							
	B	Thermostat Evaporator Probe							
<b>Digital Aux Inputs</b>	0	None							
	1	Present							
<b>Connectors</b>	Q	Quick Connect Terminals							
	S	Screw Terminals							
<b>Outputs</b>	1	Compressor Relay (12(12)A)							
	2	Compressor Relay (12(12)A) AUX (16A)							
	3	Compressor Relay (12(12)A) AUX (16A) AUX 2 (4A)							
	4	Compressor Relay (12(12)A) AUX Relay (4A)							
<b>Power Supply</b>	E	230 Vac							
	U	115 Vac							
	W	100 to 230 Vac							
<b>Communications</b>	-	None							
	-A	TTL Serial Port							
	-B	RS485 Serial Port							

\* Note: Not all configurations are available for each model.