

# JB9000

Junction box for use with electric trace heating systems

**JUNCTION BOX**

- Available for use in safe and hazardous areas.
- IP66/68 rated.
- Suitable for use with many styles of heating cable.
- Can be used with a selection of terminals.

## INTRODUCTION

Heat Trace supply quality junction boxes as part of a complete trace heating system. As standard, robust and corrosion resistant polyamide enclosures are supplied for use in safe (non-hazardous) and hazardous (Zone 1 or Zone 2) areas.

When used in hazardous areas, the enclosures provide type EExe protection (increased safety) as per BS EN 50019:2000, Electrical apparatus for potentially explosive atmospheres. Increased safety "e".

The boxes, as part of the overall Heat Trace System, also meet the requirements of IEC62395 - Electrical Heat Tracing for Safe and Industrial Locations and IEC60079-30 - Electric Heat Tracing for Hazardous Locations (formerly IEC62086).



**HEAT TRACE™**  
SETTING THE STANDARDS LEADING THE WAY



The **Heat Tracing Authority™**

## SPECIFICATION

**AMBIENT TEMPERATURE:** -40°C to +50°C  
(-40°F to +122°F)

**MINIMUM OPERATING TEMPERATURE:** -65°C\* (-85°F)

**ENTRIES:** Standard entries are 20mm and 25mm ISO metric. Alternatives upon request are 3/4" and 1" B.S. Conduit, Pg11, 13.5, 16 and 21, 1/2" and 3/4" N.P.T. Optional 32mm entry on one side to accommodate a DESTU.

### TERMINAL BLOCKS:






Weidmuller - Klippon Terminals

Wire Capacity (mm <sup>2</sup> )			Maximum Ratings		
Type	Min	Max	Volts	Amps	Qty
SAK2.5	0.5	2.5	550	15	10
SAK4	0.5	4.0	550	15	8
SAK6N	0.5	6.0	550	18	6
SAK10	2.5	10.0	550	37	4
WDU2.5	0.22	2.5	726	15	8
BK3-BK8	0.5	4.0	275	21	1
MK6/3-4-6	0.5	6.0	418	18	1

### Entrelec Terminals






Wire Capacity (mm <sup>2</sup> )			Maximum Ratings		
Type	Min	Max	Volts	Amps	Qty
MA2.5/5	0	2.5	380	15	10
M4/6	0	4.0	660	30	8

### APPROVAL DETAILS:

Testing Authority	Certificate No.
ATEX 	Sira 03ATEX3398
EAC* 	TC RU C-GB.MIO62.B.06045
FM 	3039985
CNEx 	CNEx19.1556
CSA 	1350782 1295278 1352981 1547590

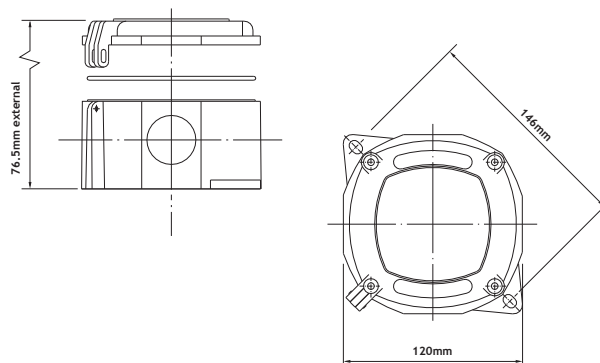
**APPROX VOLUME:** 450cm<sup>3</sup>

**WEIGHT:** 0.47kgs

	20mm	25mm
1 Way 	9001	9051
2 Way 	9002	9052
3 Way 	9003	9053
4 Way 	9004	9054
Angle 	9005	9055

To order Enclosures with alternative entries, please give a full description of your requirements.

### DIMENSIONS:



**MATERIAL:** Glass reinforced Polyamide  
Fire Retardant

**FINISH:** Matt Black

### SPECIAL FEATURE:

The enclosure has a uniquely designed hinged cover that allows the unit to remain 'as one' during installation.

### "T" RATINGS:

The maximum current allowed per terminal way is limited to 26A for a temperature classification of T4 and 16A for a temperature classification of T6. During installation the engineer must apply the relevant T Class to the certification label. Please refer to product instructions for more information.