240V WALL MOUNTED ELECTRONIC CONTROLLER

Model: IWP2011 1 HEAT 1 COOL 2* 0-10V DC OUTPUTS
Model: IWP2022 2 HEAT 2 COOL 2* 0-10V DC OUTPUTS

SPECIFICATIONS:

POWER SUPPLY:
Voltage: 2000 Series 240V AC ±10% 50/60Hz.

OUTPUTS:
One SPDT voltage free contacts per stage 2 amps max.
Two 0-10V DC control outputs heat and cool.

TERMINAL IDENTIFICATION:
SENSOR
S = Screened cable + detector.
DET = Detector.
MODULATING OUTPUTS -
7 = Cool 0-10VDC.
8 = Heat 0-10VDC.
9 = Signal Common
SUPPLY -
2000 Series:
E = Earth .
N = Neutral.
L = Mains 240VAC.

TEMPERATURE RATINGS:
Storage 0 to 50°C non condensing.
Operating 0 to 40°C non condensing.

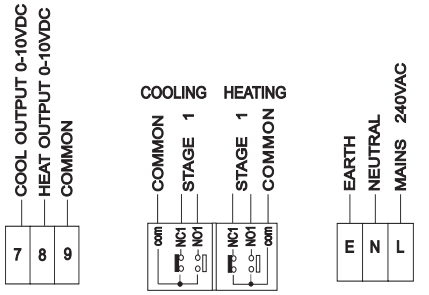
ENCLOSURE:
Manufactured from an ignition resistant grade of ABS which meets the requirments of AS2420.
Colour: Off White.

INSTALLATION:
1 Mount controller in a dry and reasonably clean location free of excessive vibration.
2 Wire in accordance with INNOTECH connection diagrams and local bylaws or refer to your local distributor.

DETECTOR WIRING:
1 DO NOT connect 24V AC or 240V AC to "SENSOR" terminals or terminals 7 & 8.
2 Shielded cable should be used . This shield should remain continuous from the detector to terminal "S" of the controller.
3 The screen of the detector wiring MUST be connected to the right hand connection "S" of the "SENSOR" terminals.
4 It is good practice to maintain at least 50 millimetres clearance between detector wiring and power wiring.

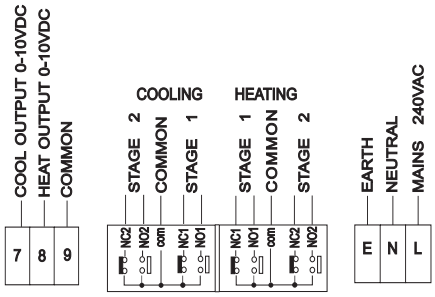
The internal or external detector is calibrated via the "CAL" pot.

STANDARD CONNECTION IWP2011



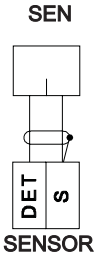
** Note : Terminal 9 and Earth are Internally Connected.*

STANDARD CONNECTION IWP2022

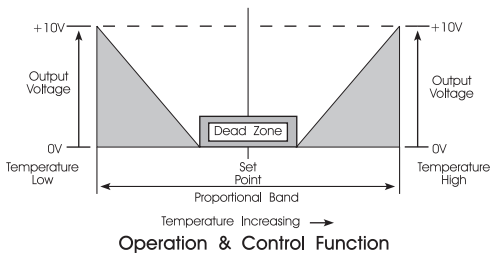


** Note : Terminal 9 and Earth are Internally Connected.*

REMOTE DETECTOR CONNECTION



DET - DETECTOR S - CABLE SCREEN
SCREEN CABLE MUST BE USED
#NB - REMOVE THERMISTOR FROM TERMINAL STRIP



Operation & Control Function

INNOTECH CONTROL SYSTEMS
Designed & Manufactured in Australia
by Mass Electronics Brisbane
Ph 07 38411388 Fax 07 38411644

TITLE	ELECTRONIC CONTROLLER
MODEL NO	IWP 2011, IWP2022
DATE	11-06-98
DRAWN	LAW REV NO: A CONIWP2.CDR
APPROVED	

COMISSIONING PROCEDURE

1. PROPORTIONAL BAND (P.B.)

The Proportional band is adjustable between 1ºC to 11ºC over all stages of the thermostat. ie a P.B. setting of 2ºC will range from the last stage of cooling to the last stage of heating.

2. DEAD ZONE (D.Z.)

The dead zone is adjustable between 10-60%. This is a percentage of the P.B. ie with a P.B. of 2ºC and a dead zone of 25% the dead zone will effectively be 0.5ºC.

3. CALIBRATION OF CONTROLLER

a) To calibrate the controller first measure the temperature at the sensor.

b) Adjust set point to coincide with sensor temperature.

c) Carefully remove the set point knob and thermostat cover making sure not to alter the set point position.

d) Alter the calibration adjustment until neither the cooling or heating indicators are illuminated.

e) Replace cover and adjust set point to desired temperature.

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TITLE	ELECTRONIC CONTROLLER
MODEL NO	IWP 2011, IWP2022
DATE	26-04-00
DRAWN	HSN REV NO: B
APPROVED	