

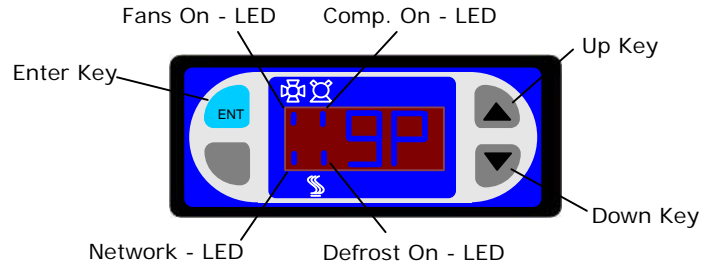
# RDM Network GP Controller

## Installation Guide

Network GP Controllers comprise of a DIN size Front Panel Controller, a combined relay/PSU module and Temperature Probe(s).

Network GP Controller main features are: -

- Celsius or Fahrenheit temperature display
- Single stage thermostat using on/off relay
- Probe 1: Air probe (With alarm)
- Probe 2: Evaporator or air probe (With alarm)
- Probe 3: Product probe or plant input (With alarm)
- Programmable parameters
- Internal Defrost scheduler (up to 24/day)
- Manual defrost (from the display buttons)
- Remote defrost schedule
- 10A Fan control relay
- High volume Alarm buzzer
- 16A Defrost relay on LLV version
- Network connection to RDM IP network
- Remote lights schedule
- HT & LT operation
- 2 Plant inputs

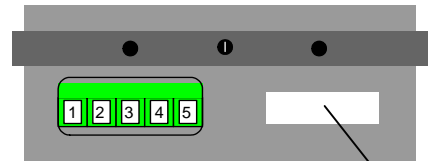


Front View

## Mounting Instructions

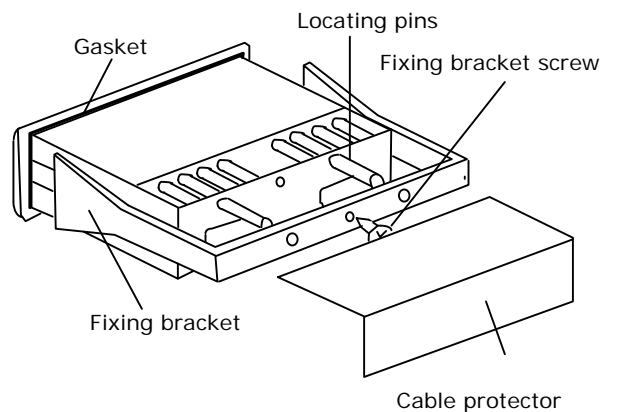
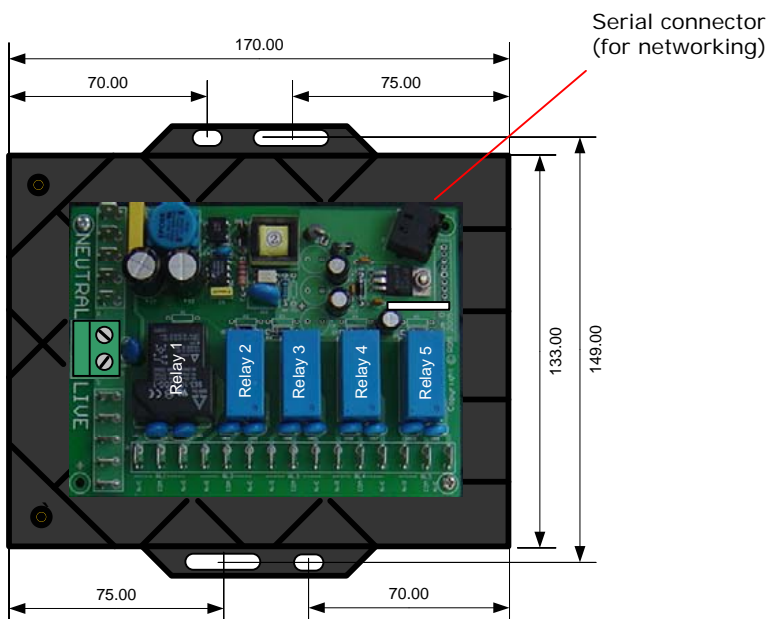
1. Remove cable protector from the controller locating pins.
2. Remove the screw and detach the fixing bracket.
3. Fit the controller, with the gasket in a suitable DIN size hole. (71mm x 29mm)
4. Locate the fixing bracket in the slots, then slide to engage the pins.
5. Insert the screw then tighten until the fixing bracket secures the controller.
6. Attach the probe(s) and plant fault wiring.
7. Fix the cable protector by locating the pins and gently pushing until secure.
8. Fix the Relay/PSU module in an appropriate position using the slots provided.
9. Remove the cover and plug in the controller (use the knock-outs provided)
10. Fit the necessary control wiring using the knock-outs provided.

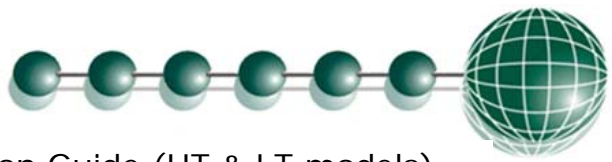
Rear View



- Inputs: -
- 1 Probe 1
  - 2 Ground
  - 3 Probe 2
  - 4 Probe 3 or Plant 1
  - 5 Plant 2

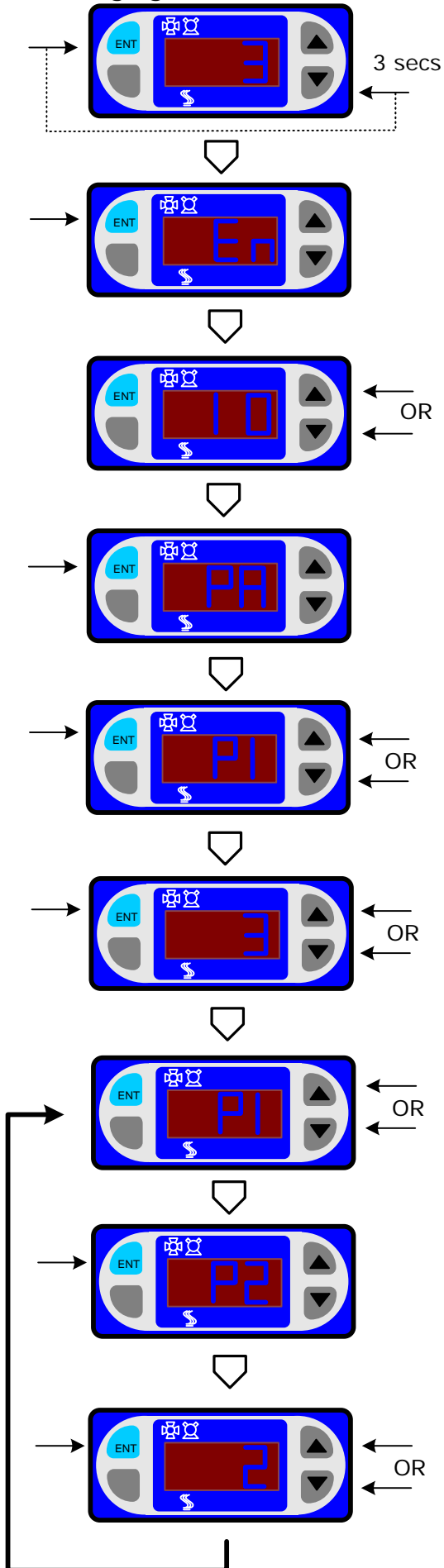
Cable to relay board exits from here





# Operation Guide (HT & LT models)

## Changing Menu items



## Menu items

- IO Displays inputs and outputs
- PA View or change parameters
- UN Change units
- TY Change controller type
- NE Change network settings
- SO View software version
- ES Escape back to normal operation

Type = 0; Relay 1 = Compressor or LLV  
Relay 3 = Defrost

Type = 1; Relay 1 = Defrost  
Relay 3 = Compressor or LLV

Un = 0; Degree Celcius  
Un = 1; Degree Fahrenheit

Parameter	Description	Min	Max	Default
P1	Temperature Set Point	-40°	86°	0°
P2	Temperature differential	0°	50°	3°
P3	Probe 1 Offset	-40°	86°	0°
P4	Lights Mode	0 = off	1 = on, 2 = n/w	0
P5	Trims	0%	100%	100%
P6	Comp. rest time	0 min	20 min	0 min
P7	Probe 2 type	0 = not used	1 = evap 2 = air	0
P8	Probe 3 type	0 = off 1 = Log	2=Plant no 3=Plant nc	0
P9	Probe weighting	0%	100%	100%
d1	Defrost type	0 = Elec 1 = Gas	2=off cycle	0
d2	Defrost per day	0	24	4
d3	Termination Time	0 min	60 min	15 min
d4	Recovery time	0 min	30 min	15 min
d5	Termination temp.	-40°	86°	20°
d6	Drain down time	0 min	10 min	1 min
d7	Fan delay time	0 min	15 min	5 min
d8	Fan delay term. temp.	-40°	86°	0°
d9	Defrost mode	0 = local	1 = remote	0
A1	Alarm duration	0 min	60 min 61 = cont	5 min
A2	High Temp. alarm	-40°	86°	10°
A3	Low Temp. alarm	-40°	86°	-10°
A4	Alarm delay	0 min	60 min	2 min
dt	Factory defaults			