

Industrial / Commercial HRU Controller



The HRU (Heat Recovery Unit) controller is designed specifically for industrial / commercial heat recovery applications. The controller is a mains powered, twin fan controller suitable for all ebm-papst EC 0-10V speed controllable fans.

Both fans are independently controlled with each speed set via an individual potentiometer.

Part Number	Supply Voltage VAC	Frequency Hz	Ambient Temperature °C	Max. Humidity %RH	Length mm	Width mm	Height mm	IP Rating
CN1083	230	50	-30... 60	95	180	93	58	66
CN1083U (Unboxed)	230	50	-30...60	n/a	157	71	31	00

- Two switched live inputs:
 - Normal / Boost speed select (DIP switch options: boost speed Delay Start 3min, Run On 20min).
 - Remote on / off.
- Alarm output for fan or thermistor fail, solid state relay 60V / 0.1A contacts.
 - LED's—Fans and Thermistors ok / Fault.
 - LED's Fan1 / Fan2 run.
- Thermistor connections, Supply and Extract air temperatures, includes 2 off remote thermistors with 2m cable.
- Low temperature shut-off of supply fan to prevent freezing, DIP rotary switch for temperature adjustment.
- High temperature activation of summer bypass relay, DIP rotary switch for temperature adjustment.
- Summer bypass control relay, change-over contacts rated 230VAC, 5A.
- PIR / CO₂ / Humidistat / thermostat inputs for boost select.
- BMS remote enable input.
- Filter maintenance alarm LED and solid state relay output, DIP switch selectable period 3 / 6 / 12 months, with reset switch and disable.

