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	Frenquency	Max Humidity	Ambient Temperature	Length	Width	Height	IP Rating
	VAC	Hz	% RH	°C	mm	mm	mm	
CN1083	230	50	95	-30...+60	180	93	58	66
CN1083U (Unboxed)	230	50	n/a	-30... +60	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.