



NOTES:

- 1) A TG-R430 AIR TEMPERATURE SENSOR MUST BE CONNECTED TO THE HEATER. NEVER attempt to omit it or short circuit terminals 18 & 21 on the heater. If the TG-R430 fails it must be replaced with an identical device.
- 2) The OK2b function control switch should be wired using 230V 1 or 1.5mm cable. Note the terminal connections.
- 3) The TG-R430 MUST be wired SEPARATELY using it's own 1 or 1.5mm cable. Keep the wiring to the TG-R430 as short as possible, and AT LEAST 150mm FROM ALL OTHER WIRING.
- 4) The heater should be connected to the electricity supply via a suitably rated cable and 4 pole isolator (not supplied). The isolator should be installed within easy reach of the heater, but NOT ABOVE it. When selecting an isolator, it should be over derated to allow for the effects of self heating. The heater MUST BE EARTHED.
- 5) An optional timeswitch and contactor can be fitted between the heater and OK2b control switch. The heater will operate when the contactor is energised.

OVER CURRENT PROTECTION

Where the heater is protected by a triple pole MCB, to prevent nuisance tripping use a type C device. Note the minimum recommended sizes below.

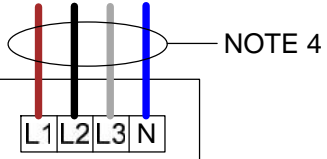
VEA21 & VEA30 FAN OVER RUN

The fan on the VEA21 and VEA30 will continue to run after the heater is turned off by the OK2b control switch to dissipate excess heat.

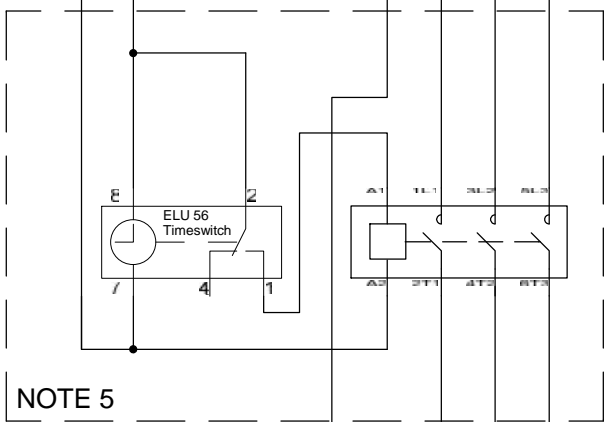
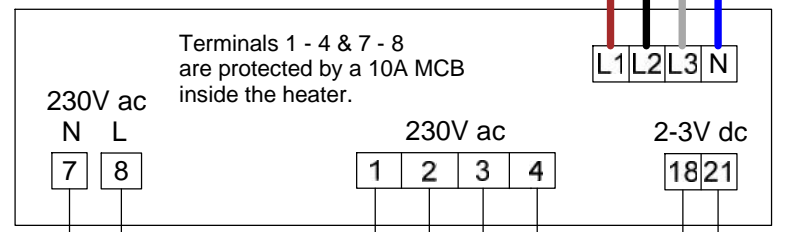
If the supply to the heater is interrupted by the isolator switch while the fan is running it will stop and the over heat cut out will operate. The heater will not re-start until the cut out has been manually reset.

Users should be instructed that for normal day to day operation they should TURN THE HEATER ON AND OFF BY THE OK2 CONTROL SWITCH. The heater should only be turned off at the isolator if the fan IS NOT RUNNING.

Supply
3ph + N
415V 50Hz.

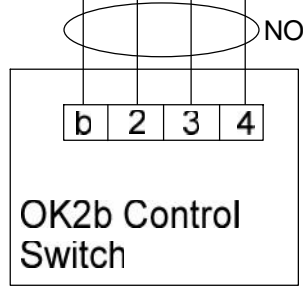
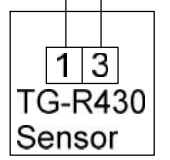


EA xx fan heater



NOTE 5

NOTE 1



NOTE 2

MODEL
FULL LOAD CURRENT
MCB RATING (TYPE C)
VEA6 - 8.8A - 10A
VEA9 - 13.1A - 16A
VEA14 - 20.4A - 25A
VEA21 - 30.5A - 40A
VEA30 - 43.5A - 50A

The heater is supplied with wall brackets, the OK2b control switch and TGR430 air temperature sensor. The isolator, optional timeswitch & contactor, mcb and cables are not provided.

TITLE			
VEA (V3) WALL MOUNTED FAN HEATER WIRING DIAGRAM & NOTES			

SIZE	CAGE CODE	DWG NO	REV
	A4	068SWA	1
SCALE	NTS	15/02/2016	SHEET 1/1

