



dust filter controls

Product Data Sheet

TDAS

Twin DOL Autoshaker Controller



FEATURES

■ *The TDAS Series Twin DOL Autoshaker Controller is a robust, reliable, no frills motor starter/timer configured to give maximum service for minimum outlay. Intended primarily for Dust Extraction and Air Flow applications, this unit is designed to run a Fan and Shaker motor combination as part of a waste management or industrial control system.*

The TDAS series is compatible with any normally configured control system and requires a 415V 50Hz 3Phase supply. It is formulated to operate seamlessly, requiring no resetting or recalibration as a result of disconnection/power failure/overload trip. Just press START and you're back in business. Attractively packaged and weatherproof to IP66 specifications, this simple unit can be relied on to perform in a variety of environments and conditions.

Please note that there is no Emergency Stop supplied with this unit. This must be provided externally as part of a supervisory plant system or operator work station. Emergency Stops must comply with applicable Health and Safety/Electrical Equipment regulations.



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CCT REV.C/01.03.2012

Models and Options

The following is a table of models available in the TDAS Twin DOL Autoshaker Controller.

PART No.	FAN (MAIN DRIVE) MOTOR kW	OVERLOAD (OL1 & OL2)	
		RANGE	SETTING
TDAS4	4kW	7 - 10A	8.5A
TDAS7.5	7.5kW	12 - 18A	14.5A

An Adjustable Shaker Timer is available on each model - simply add an "A" at the end of the part number.

To order, start by stating the part number required

e.g. a "TDAS7.5A" is a 7.5kW Twin DOL Autoshaker controller with an adjustable shaker timer.



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Technical Specifications

UNIT:	Part Number TDAS4 and TDAS7.5 - to suit 2 x 4kW and 2 x 7.5kW rated FAN (MAIN DRIVE) motors respectively.
INPUT SUPPLY:	415V 3ph. 50Hz.
INPUT FUSES:	This equipment is not fused.
POWER REQUIREMENTS:	TDAS4.....18A max., TDAS7.5.....30A max. including supply to 2 x FAN (MAIN DRIVE) motors at nominal FLC.
MAINS FAILURE:	In the event of loss of supply, the unit will cease to operate. When the voltage is re-instated press the START button to re-initiate.
OPERATING SEQUENCE:	<p>Press START to initiate the unit. Power will be switched immediately to the FAN (MAIN DRIVE) outputs. This will maintain until the STOP/SHAKE button is pressed or the power supply is interrupted (see MAINS FAILURE above). Operation of the STOP/SHAKE button will de-activate both FAN (MAIN DRIVE) outputs and initiate an internal timer - KX308 or KX309</p> <p>A KX308 will allow a period of 1 minute during which no outputs will be live. This is the DWELL or FAN RUNDOWN time. At the end of that time, the SHAKER outputs will be activated for a RUN period of 30 seconds. The unit then reverts to a standby mode - awaiting START.</p> <p>A KX309 timer functions similar to a KX308 except the DWELL and RUN periods are adjustable for any time up to 4 minutes. Longer times are available on request. Add "A" to the part number to specify a KX309 timer.</p>
CONSTRUCTION:	3 off CE marked and TUV certificated 415Vac magnetic contactors, 1 off solid state purpose-built timer, all within an IP66 plastic enclosure.
INDICATION:	This equipment has no external visual display or indication. Internally an LED on the KX timer lights RED during DWELL and GREEN during SHAKER RUN.
AMBIENT TEMPERATURE LIMITATIONS:	-10 to +45 deg.C.
STORAGE TEMPERATURE:	-20 to + 70 deg.C.
REFERENCE DRAWINGS:	TDAS04001.....General Arrangement TDAS04051.....Circuit Diagram