

# Product Data Sheet

# SDAS

## Single DOL Autoshaker Controller



## FEATURES

■ *The SDAS Series Single 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 SDAS 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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# Models and Options

The following is a table of models available in the SDAS Single DOL Autoshaker Controller.

PART No.	FAN (MAIN DRIVE) MOTOR kW	OVERLOAD	
		RANGE	SETTING
SDAS4	0.37 kW	1 - 1.6A	1.05A
	0.55 kW	1 - 1.6A	1.5A
	0.75 kW	1.6 - 2.5A	2A
	1.1 kW	2.5 - 4A	2.5A
	1.5 kW	2.5 - 4A	3.5A
	2.2 kW	4 - 6A	5A
	3 kW	5.5 - 8A	6.5A
	4 kW	7 - 10A	8.4A
SDAS7.5	5.5 kW	9 - 13A	11A
	7.5kW	12 - 18A	14.4A

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 and then the Fan Motor required (in kW) in brackets. e.g. an "SDAS4A(2.2kW)" is a 2.2kW Single DOL Autoshaker controller with an adjustable shaker timer.

# Technical Specifications

UNIT:	Part Number SDAS4 (0.37 - 4kW) or SDAS7.5 (5.5 - 7.5kW) - to suit
INPUT SUPPLY:	415V 3ph. 50Hz.
INPUT FUSES:	This equipment is not fused.
POWER REQUIREMENTS:	SDAS4.....10A max., SDAS7.5....16A max., SDAS11....23A max. including supply to FAN (MAIN DRIVE) motor 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 the 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:	2 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:	SDAS04001.....General Arrangement SDAS04051.....Circuit Diagram