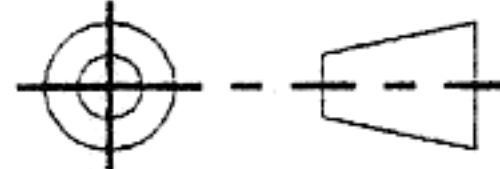


MDDS.	TECHNICAL SPECIFICATION FOR SPRING RETURN ACTUATOR TYPE SD. 408-1 APPLIES TO SPECS SD 1601 & SD 2601	
H8841 9		
10/06/03		
	<u>General</u>	
	The SD 1601 & 2601 are 2 position bi-directional motor/spring actuators. A 'D' recess for driving 3 port diverter valve (DV) is provided	
	Energisation of the motor rotates the 'D' slot 90 deg. clockwise. When de-energised the spring returns the 'D' slot through 90 deg. anticlockwise	
	This provides valve inlet port (A/B) port 'B' open when de-energised. When energised port 'B' closes and port 'A' opens, to provide flow through inlet and port 'A'	
	<u>Electrical</u>	
	Input:	Voltage: 240V 50Hz (range 204-264V) V.A. : 5VA (Nominal)
	<u>Mechanical</u>	
	<u>Stroke Time:</u>	
	a) On energisation ( Port B closed Port A open ) 32 seconds b) On de-energisation ( Port B open Port A close ) 14 seconds	
	<u>Torque</u>	
	a) On energisation - 50oz.ins. (3.60Kg.Cn.) min @ 240V 50Hz b) On de-energisation - 20oz.ins. (1.44Kg.Cn.) min	
	<u>Swing height:</u>	( Valve/Actuator Assenbly ) - 85mm.
	<u>Ambient Temperature:</u>	52 deg. Maximum
	<u>Stopping Position</u> On energisation, the drive slot rotates 90 deg. +2/-8 C.W. from a vertical line passing through the drive slot centre in the plane of the base moulding. On de-energisation, the drive slot rotates A.C.W. to within 5 deg. of above datum.	
	<u>Connections</u>	Brown - Live to actuator motor Blue - Neutral

THIRD ANGLE PROJECTION		DIMENSIONS MM	SUNVIC CONTROLS LTD	
DRAWING CONFORMS TO B.S. 308		SCALE 1/1	UDDINGSTON - G71 6NP - SCOTLAND	
LIMITS: Unless otherwise specified		DRAWN BY PM	TITLE	
±0.1mm. (0.00)	±.005" Dec. Dims.	CH'D BY	Technical Spec	
±0.4mm. (0.0)	± 1/64" Frac. Dims.	DATE MAY. 03	INSTR. REF. SD (408-1)	
±0.05mm. Hole Crs.	±.002" Hole Crs.	MATERIAL	PART/CODE OR ORG. No.	CH. No.
+0.07mm. Hole Dias.	+.003" Hole Dias.		61207	9
-0.00mm. Hole Dias.	-.000" Hole Dias.			
± 2° Angles				
© This drawing is the property of SUNVIC CONTROLS LTD and must not be copied or disclosed for any purpose except as authorised in writing.		SPEC.		
		FINISH		