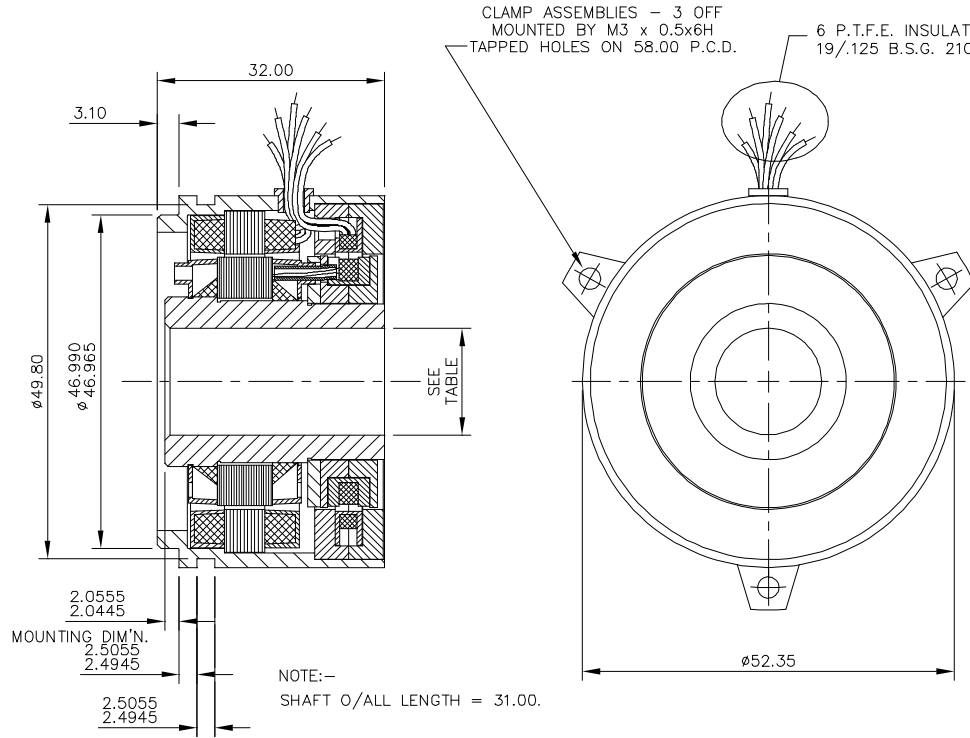
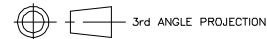
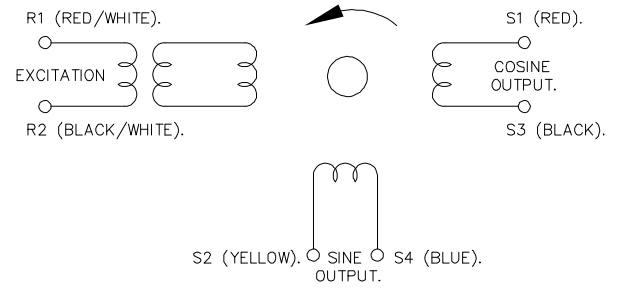


DO NOT SCALE, IF IN DOUBT - ASK



TYPICAL SCHEMATIC DIAGRAM.



$E_{S2 - S4} = K E_{R1} - R2 \sin \theta$
 $E_{S1 - S3} = K E_{R1} - R2 \cos \theta$
 θ IS POSITIVE FOR C.C.W. ROTATION WHEN VIEWED FROM MOUNTING END.

ELECTRICAL SPECIFICATION

DRG. No.	UNITS	34489/01	34489/02	34489/03	34489/04	34489/05	34489/06	34489/07
TYPE No.		55RSS101	55RSS113	55RSS116	55RSS2113A	55RSS117	55RSS121	55RSS122
VOLTAGE.	VOLTS	6	6	6	6	6	6	6
FREQUENCY.	kHz.	10	10	7.5	10	10	10	10
PRIMARY.		ROTOR.	ROTOR.	ROTOR.	ROTOR	ROTOR.	ROTOR.	ROTOR.
No. OF POLES.		2.	2.	2.	2	2.	2.	2.
TRANSFORMATION RATIO.		0.33 ± 7%.	0.33 ± 7%.	0.33 ± 7%.	0.33 ± 7%	0.33 ± 7%.	0.33 ± 7%.	0.33 ± 7%.
PHASE SHIFT.	DEG.NOM.	-14	-14	-1	-14	-14	-14	-14
PRIMARY CURRENT.	mA NOM.	40	40	55	40	40	40	40
INPUT POWER.	mW NOM.	120	120	150	120	120	120	120
ELECTRICAL ERROR.	mins. MAX.	±15	±15	40 SPREAD	±15	17.5 SPREAD	±15	10 SPREAD *
TOTAL NULL VOLTS.	mV MAX.	30.0	30.0	20.0	30.0	30.0	30.0	30.0
IMPEDANCES.	Z _{ro} .	OHMS NOM.	73+j129	73+j129	75+j105	73+j129	73+j129	73+j129
	Z _{so} .	OHMS NOM.	116+j159	116+j159	36+j68	116+j159	116+j159	116+j159
	Z _{ss} .	OHMS NOM.	95+j162	95+j162	31+j60	95+j162	95+j162	95+j162
D.C. RESISTANCE (EXCITATION).	Ohms	28	28	35	28	28	28	28
D.C. RESISTANCE (STATOR).	Ohms	18	18	11	18	18	18	18
TEMPERATURE RANGE.	DEG.C NOM.	-55 TO +155	-55 TO +155	-55 TO +155	-55 TO +155	-55 TO +155	-55 TO +155	-55 TO +155
INERTIA.	gcm ²	200	200	198	200	200	200	200
LEAD LENGTH	mm MIN.	380	600	380	380	380	380	380
SHAFT		15.011/15.000	15.011/15.000	15.011/15.000	12.725/12.705	15.011/15.000	15.011/15.000	15.011/15.000

* NO CHANGE GREATER THAN 5' OVER MAX. 5' OF TRAVEL.

THIS IS A C.A.D. PRODUCED DRAWING. SUBSEQUENTLY NO MANUAL MODIFICATIONS ALLOWED.

THIS DRAWING IS THE PROPERTY OF CONTROL TECHNIQUES DYNAMICS LTD AND MAY NOT BE USED OR DISCLOSED FOR ANY PURPOSE EXCEPT AS AUTHORISED BY CONTROL TECHNIQUES DYNAMICS LTD

LIMITS ON mm DIMENSIONS UNLESS OTHERWISE STATED
 1 DECIMAL PLACE ± 0.4mm
 2 DECIMAL PLACES ± 0.1mm
 ANGULAR ± 30'

DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

TITLE
 OUTLINE DRAWING FOR SLAB RESOLVER

USED ON 55RSS

MATERIAL

SPECIFICATION

FINISH

ISS	CR No.	BY	AP	ISS	CR No.	BY	AP	ISS	CR No.	BY	AP	ISS	CR No.	BY	AP	ISS	CR No.	BY	AP	ISS	CR No.	BY	AP	ISS	CR No.	BY	AP	ISS	CR No.	BY	AP	ISS	CR No.	BY	AP		
13	14265			14	14003	PW																															
34489/03 SPECIFICATION CHANGE		Transformation ratio was 0.28+/-10% for /01 - 07, now 0.33+/-7%																																			
DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY	DATE	APPR BY
04/03/02	RL	21/06/02	RL																																		

CONTROL TECHNIQUES
 WALWORTH, ANDOVER, HAMPSHIRE,
 ENGLAND, SP10 5AB

DRAWING NUMBER
 PREFIX No. **A2**
34489/*
 IND
 SHT. 1 OF 14