

DRAWING NUMBER:

D44839

USED ON

WE53251
BEATRONIC



DESIGN
COPYRIGHT
RESERVED:

Data Sheet

THIRD ANGLE
PROJECTION



SIZE
A3

D.O. REFS.
D40014

SUB-MASTER
FROM:..

APPROVED

B.C.

CHECKED

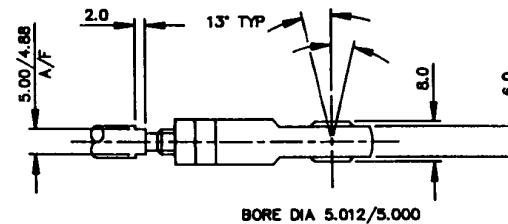
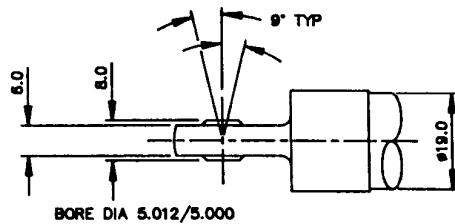
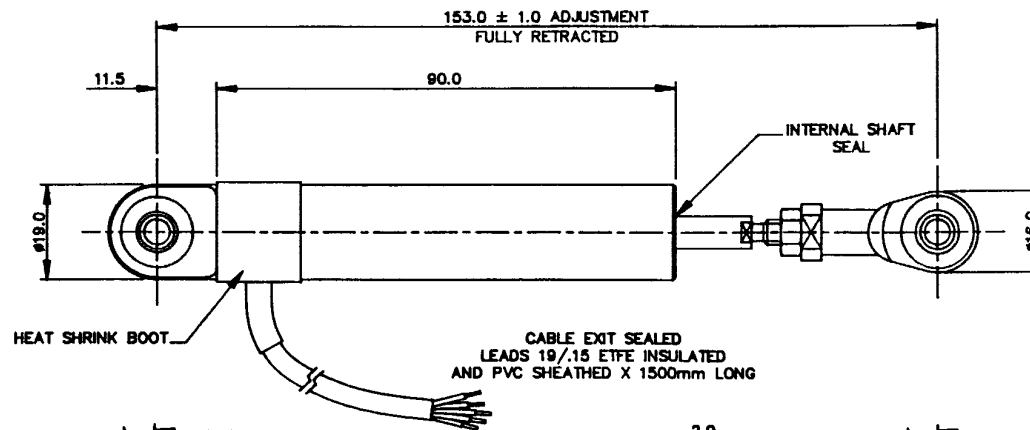
I. HURST

DRAWN

M. BOOTE

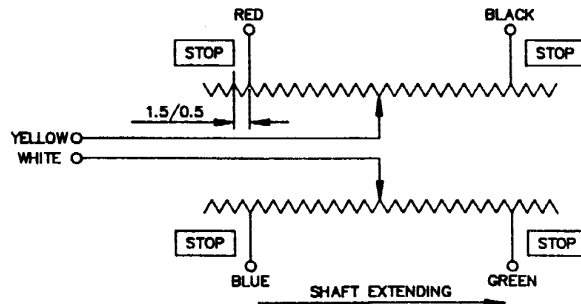
Penny + Giles

POSITION SENSORS LIMITED,
Christchurch,
Dorset, U.K.



THIS INSTRUMENT IS DESIGNED TO MEET THE CUSTOMERS SPECIFICATION
HOWEVER IT IS THE CUSTOMERS RESPONSIBILITY TO ENSURE
SUITABILITY FOR INTENDED APPLICATION FOR IN FLIGHT USE
WARRANTY:- 12 MONTHS SUBJECT TO OPERATION WITHIN AGREED SPECIFICATION

ELECTRICAL SCHEMATIC



ELECTRICAL SPECIFICATION

ELECTRICAL STROKE	25mm ± 0.5mm
MECHANICAL STROKE	28mm ± 0.5mm
RESISTANCE	1KΩ ± 10%
INDEPENDENT LINEARITY	< ± 0.5%
POWER DISSIPATION	0.5W @ 20°C
INSULATION RESISTANCE	> 100MΩ @ 500Vdc
TEMPERATURE RANGE	-55°C TO +85°C
OPERATING FORCE	250gm APPROX
RESOLUTION	370 TURNS NOMINAL
LIFE	2 X 10 ⁶ CYCLES
VELOCITY	150mm/sec MAX
STORAGE	10 CYCLES TO BE COMPLETED ONCE PER YEAR TO CLEAR NOISE
SHELF LIFE	5 YEARS

NOTE:- SPECIFICATION APPLIES TO BOTH WINDINGS WHERE APPLICABLE

ISSUE	3	4				MATERIAL:-	TOLERANCES	SCALE: 1:1
DATE	10-10-95	24-10-95				CASE AL ALLOY	±.25	DIMS: mm
CHANGE	9624/1	9624/2				SHAFT ST STEEL		
FINISH:-	CASE ANODISE SHAFT CLEAN		TITLE: LP190/SA2/25/1K TYPE B			DRAWING NUMBER: D44839		