



DESCRIPTION:

THE MODEL 4100 IS A POSITION MONITORING DEVICE INDICATING PERCENT OF TRAVEL. INCLUDED IS A PANEL METER, VOLTAGE DROPPING RESISTOR, SPAN ADJUSTMENT POTENTIOMETER AND TERMINAL BLOCK. THE COMPONENTS CAN EITHER BE PANEL MOUNTED OR MOUNTED IN A NEMA TYPE ENCLOSURE.

APPROXIMATELY 90 VOLTS IS APPLIED ACROSS THE VOLTAGE DROPPING RESISTOR. THE REMAINING VOLTAGE IS ADJUSTED (VIA THE SPAN ADJUSTMENT POTENTIOMETER) ACROSS THE FEEDBACK POTENTIOMETER, TO GIVE FULL SCALE METER DEFLECTION AT FULL TRAVEL. THE VOLTMETER (PANEL METER) IS CONNECTED TO THE WIPER ARM, PROVIDING METER INDICATION PROPORTIONAL TO THE ACTUATOR POSITION.

REQUIRES FEEDBACK POTENTIOMETER IN ACTUATOR.

SPECIFICATION:

- POWER REQUIREMENTS : 105-125 VAC, 50/60 HZ, SINGLE PHASE, 1.6 VA AT 115 VAC.
- FEEDBACK INPUT : 1000 OHM POTENTIOMETER IN ACTUATOR.
- POSITION MONITORING : 0 - 100% OF TRAVEL.
- METER RANGE : 0 - 10 VAC.
- ZERO ADJUSTMENT (ON FACE OF PANEL METER) : ±.5 VAC (±.5%)
- SPAN ADJUSTMENT : 8.5 VAC TO 13.5 VAC AT 115 VAC INPUT. (85% - 135%)

CO COPY

REMOVE BURRS & BREAK EDGES .015 MAX.

SCALE NONE

LET	REVISIONS	DATE	BY
A	UPDATE DWG & REDRAWN ON CAD	APR 29,97	KHOI

MATERIAL				
TOLERANCES UNLESS OTHERWISE NOTED				
.XX ±.015	.XXX ±.005	FRACT. ±1/84	ANGLE ±1/2	FIN. 125
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		ANDCO/TEXSTEAM INC. HOUSTON, TEXAS		
TITLE WIRING DIAGRAM MODEL 4100 POSITION INDICATOR				
DRAWN	KHOI	APR 29,97	REV.	DWG. NO.
CHECKED	PA	APR 29,97	A	14-006-043-2
APPROVED	PA	APR 29,97		