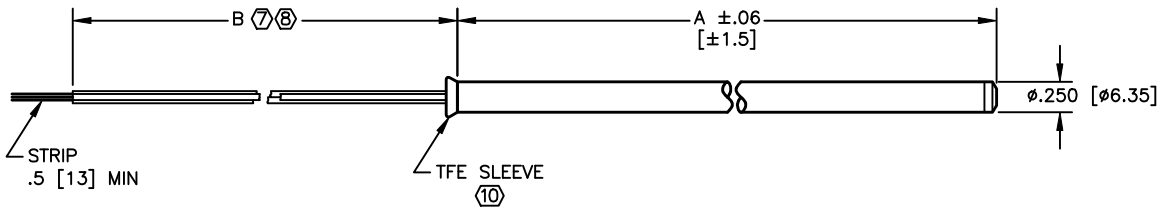
WHEN ORDERING SPECIFY CASE LENGTH, NUMBER OF LEADS, AND LEAD LENGTH.

S853PD360Z6 ◊ EXAMPLE OF MODEL NUMBER

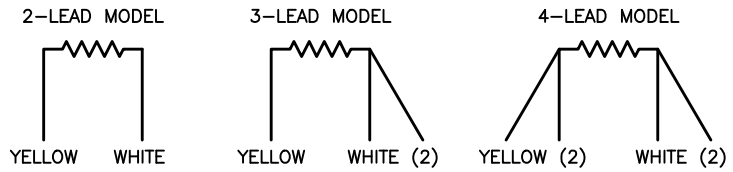
S853	SPECIFICATIONS DRAWING NUMBER.
PD	SENSING ELEMENT: PD = 100 OHM ±.1%, .00385 PLATINUM.
360	CASE LENGTH A IN .1" INCREMENTS (360 = 36.0"). MINIMUM A = 28 (2.8") [71]; MAXIMUM A = 480 (48.0") [1219].
Z	NUMBER OF LEADS: Y = 2 LEADS; Z = 3 LEADS; X = 4 LEADS.
6	LEAD LENGTH B IN INCHES.

REVISIONS

REV	DESCRIPTION	DATE	ECO	DR	APPD
D	UPDATED FORMAT	01–22–01	36850	WAB	DLW
E	ADDED NOTE 8 (LEAD TOLERANCE FOR MATCHED TEMPTRAN)	07–16–01	37895	WAB	DLW



SCHEMATIC DIAGRAMS



1. ELEMENT: PLATINUM.
2. RESISTANCE: 100.0 OHMS ±.1% (100.1/99.9) AT 0∞C (32∞F), EXCLUDING LEADWIRE RESISTANCE; R/T TABLES #5-100 (∞C) AND #6-100 (∞F).
3. RESISTANCE-TEMPERATURE COEFFICIENT: .00385 OHM/OHM/∞C NOMINAL FROM 0∞C TO 100∞C.
4. TEMPERATURE RANGE: -50∞C TO 260∞C (-58∞F TO 500∞F).
5. INSULATION RESISTANCE: 1000 MEGOHMS MINIMUM AT 500 VOLTS DC, LEADS TO CASE.
6. LEADS: AWG #22, STRANDED, TFE INSULATED.
7. TOLERANCE ON LEAD LENGTH:
   71" [1803] AND UNDER: +2/-0" [+51/-0];
   72" TO 119" [1829 TO 3023]: +4/-0" [+102/-0];
   120" [3048] AND OVER: +6/-0" [+152/-0].
8. IF PROBE IS MATCHED WITH A TEMPTRAN, LEADWIRE TOLERANCE WILL BE +6/-0" [+152/-0].
9. CASE: STAINLESS STEEL, COPPER ALLOY TIP.
10. CASE MAY BE CUT TO SHORTER LENGTH. USE CARE NOT TO DAMAGE LEADWIRE INSULATION. LOCATE THE SLIP-FIT TFE SLEEVE IN END OF CUT-OFF CASE TO PROTECT LEADWIRE INSULATION AT POINT OF EMERGENCE. MINIMUM A FOR CUT-OFF CASE IS 28 (2.8") [71].
11. THE RESISTANCE THERMOMETER WILL MEET THE RESISTANCE-TEMPERATURE RELATIONSHIP AND TOLERANCES SPECIFIED IN IEC 751, CLASS B.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS AND TOLERANCES IN INCHES
DIMENSIONS IN [ ] ARE IN MILLIMETERS
ONE PLACE (.0) ±.020 [±0,51]
TWO PLACE (.00) ±.010 [±0,25]
THREE PLACE (.000) ±.005 [±0,13]
ANGLES:

MATERIAL:

FINISH:

	INITIALS	DATE
DR	WAB	05–19–97
CHK	PHP	11–27–91
APP	ALP	12–04–84
ENGR	DGH	11–27–91
QA		
PRD		
NEXT ASSY		INIT. JOB 5–
USED ON		

ITEM	REQD	PART/STOCK NO	MATERIAL DESCRIPTION

TITLE:
RESISTANCE THERMOMETER
PROBE TYPE, TIP–SENSITIVE
S853 SERIES

CGP Transferred 7/17/01 ILP

SCALE: NONE | STOCK NO | DWG SIZE B

WESSCO PRODUCTS, INC
HOUSTON, TEXAS
www.wesscoproducts.com

CAGE IDENT. 09359 | THIRD ANGLE PROJECTION

S853 REV E

SHEET 1 OF 1