PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	J	AB-036493	001	04

PNEUMATIC RECEIVER TYPE INSTRUMENTS

1

SPARE

Ø1520A

2

IN
GND.
L1
L2

MARK 1st PEN	
RANGE 1st PEN	
MARK 2nd PEN	
RANGE 2nd PEN	
MARK 3rd PEN	
RANGE 3rd PEN	

DWG. NO. _ _ _ _

RECORDER
(1 TO 3 PENS)

Ø1520B

3

IN
OUT
S

MARK NO.	
SET POINT	
P. BAND	
RESET	
DERIVATIVE	
ACTION	

CONTROLLER

Ø1520C

4

IN

MARK NO.	
RANGE	

INDICATOR
(1 TO 3 POINTERS)

Ø1520D

5

IN
OUT
S

MARK NO.	
SET POINT	
P. BAND	
RESET	
DERIVATIVE	
ACTION	
SCALE RANGE	

INDICATING CONTROLLER

Ø1520E

6

IN

(IND. CONTROL)

OUT
SET
S

(MANUAL CONTROL UNIT)	
MARK NO.	
SET POINT	
P. BAND	
RESET	
DERIVATIVE	
ACTION	
SCALE RANGE	

INDICATING CONTROLLER WITH MANUAL CONTROL UNIT.

CORD SET TYPE INSTRUMENTS

Ø1525A

7

TYPICAL Ø0Ø1

1	COLOR OR CODE
2	COLOR OR CODE
3	COLOR OR CODE
4	COLOR OR CODE
5	COLOR OR CODE
6	COLOR OR CODE
7	COLOR OR CODE
8	COLOR OR CODE
9	COLOR OR CODE
10	COLOR OR CODE

TERMINAL STRIP WITH CORD SET

THE TERMINAL STRIP COLOR CODE AND CORD SET SHALL BE IN ACCORDANCE WITH VENDOR DRAWING.

9 CORES TIED BACK

Ø1525B

8

MARK 1st PEN	
RANGE 1st PEN	
MARK 2nd PEN	
RANGE 2nd PEN	
MARK 3rd PEN	
RANGE 3rd PEN	

DWG. NO. _ _ _ _

RECORDER
(1 TO 3 PENS)

Ø1525C

9

MARK NO.	
SET POINT	
P. BAND	
RESET	
DERIVATIVE	
ACTION	

DWG. NO. _ _ _ _

CONTROLLER

Ø1525D

10

MARK NO.	
RANGE	

DWG. NO. _ _ _ _

INDICATOR
(1 TO 3 POINTERS)

Ø1525E

11

MARK NO.	
SET POINT	

DWG. NO. _ _ _ _

ALARM UNIT

Ø1525F

12

MARK NO.	
RANGE IN	
RANGE OUT	

DWG. NO. _ _ _ _

EMF/RTD TO CURRENT CONVERTER

TERMINAL TYPE INSTRUMENTS

Ø1530A

13

10			11
9			12
8			13
7			14
6			15
5			16
4			17
3			18
2			19
1			20

GRND.
DWG. NO. 12, 11

MARK NO.	
PRE ALARM	
S.D. SET AT	
SCALE RANGE	

VIBRATION MONITOR
SEISMIC TYPE OR DROXIMITY TYPE

Ø1530B

14

+		
−		
+		
−		
+		
−		
+		
−		
+		
−	MARK NO.	
+	RANGE	
−	SCALE	

DWG. NO. L1, L2

GRND.

MULTIPOINT TEMPERATURE RECORDER OR INDICATOR

Ø1530C

15

	MARK NO.	
	SCALE RANGE	
NO		
NC		
H		

TEMPERATURE MONITOR MASTER MODULE

Ø1530D

16

	MARK NO.	
	SET AT	
	ACTION	
NO		
NC		
H		

TEMPERATURE SWITCH ANNUNCIATOR ALARM SINGLE SET POINT MODULE

Ø1530E

17

	HI SET AT	
	HI HI SET AT	
	ACTION	
NO		
NC		
H		

TEMPERATURE SWITCH ANNUNCIATOR ALARM DUAL SET POINT MODULE FOR FRONT OF PANEL MOUNTING.

TERMINAL TYPE INSTRUMENTS

Ø1530F

18

	MARK NO.	

NO	HI SET AT	
NC	ACTION	
C		
NO		
NC		
C		
NO	HI HI SET AT	
NC	ACTION	
C		
NO		
NC		
C		

TEMPERATURE SWITCH ANNUNCIATOR ALARM DUAL SET POINT FOR REMOTE RACK MOUNTING.

NOTES:

1. THIS STANDARD DRAWING SHOWS PORT/TERMINAL IDENTIFICATIONS THAT REFER TO A TYPICAL TYPE AND MAKE. ON LOOP DIAGRAMS PORT/TERMINAL IDENTIFICATIONS SHALL BE SHOWN AS ON ACTUAL INSTRUMENTS.
2. ON LOOP DIAGRAM, INSTRUMENT SYMBOLS REPRESENTING VALVES, SWITCHES ETC. SHALL BE SHOWN UNDER NORMAL OPERATING CONDITIONS.
3. RANGES SHOWN , SHALL BE CHART OR SCALE RANGES.
4. TAG SHOWN THUS Ø1530E REPRESENT SAME NUMBER OF CELL ON CAD SYSTEM.

DWG. RESPONSIBILITY :
INSTRUMENTS STANDARD COMMITTEE

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
04	NOV96	RCR		REDRAWN, REVISED & ADDED SHEET Ø02			

SAUDI ARABIAN OIL COMPANY

DRAWN BY H.W CHECKED BY SCALE NONE
DATE STARTED DATE COMPLETED
OPR'G. DEPT. ENG. DEPT.
APP'D FOR CONSTR.

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED

CERTIFIED
BY DATE

PANEL INSTRUMENT SYMBOLS FOR INSTRUMENT LOOP DIAGRAM

STD. DWG. SAUDI ARABIA

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