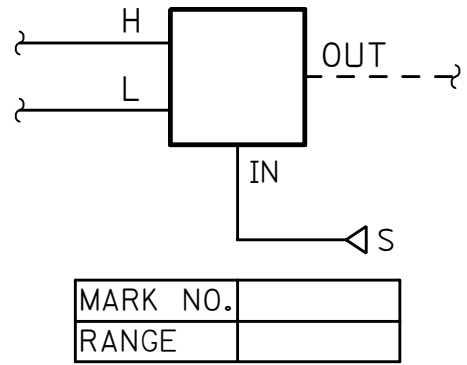
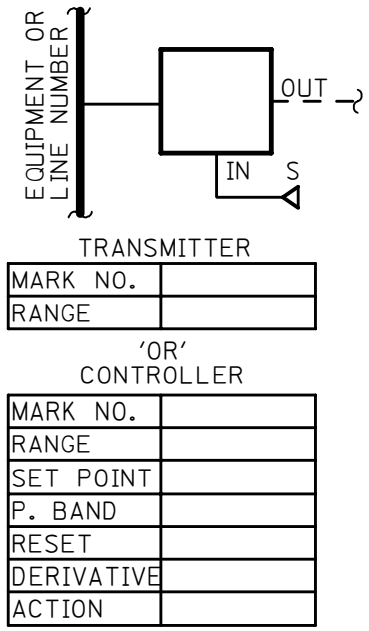


001501
FLOW TRANSMITTER
WITH AIR SUPPLY CONNECTION

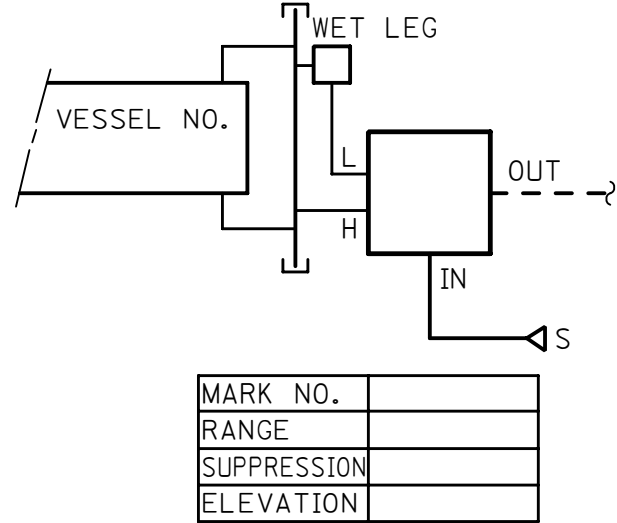


PNEUMATIC INSTRUMENTS

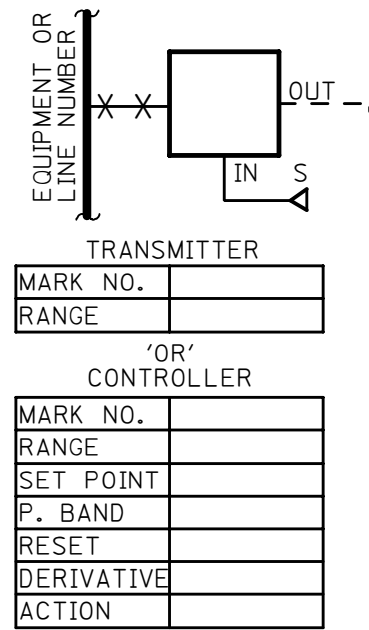
01501E
PRESSURE TRANSMITTER
OR CONTROLLER
WITH AIR SUPPLY
CONNECTION



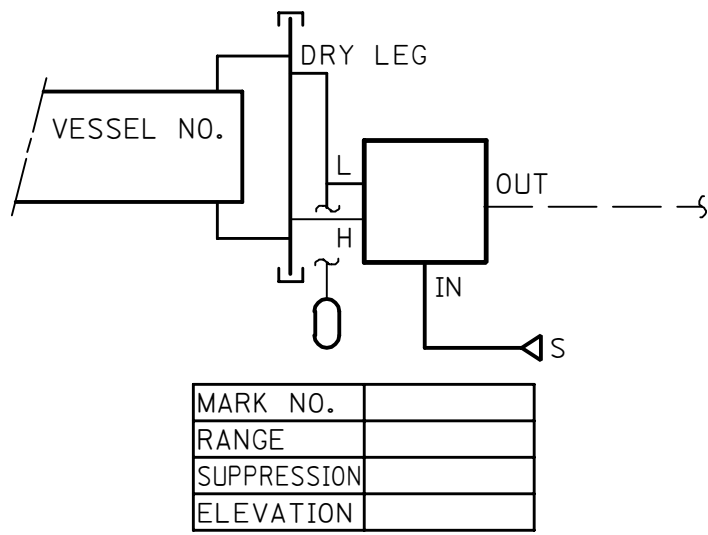
01501A
LEVEL TRANSMITTER (D/P CELL)
WITH AIR SUPPLY CONNECTION



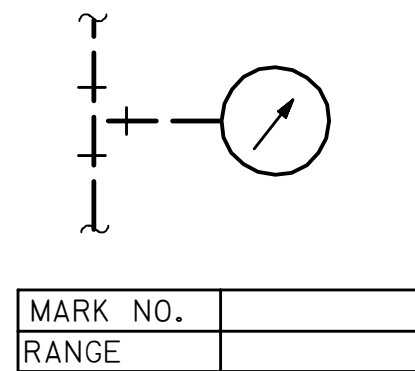
01501F
TEMPERATURE TRANSMITTER
OR CONTROLLER
WITH AIR SUPPLY
CONNECTION



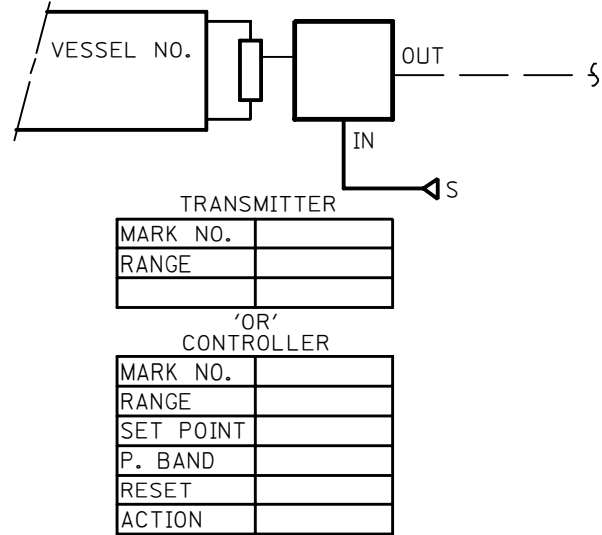
01501B
LEVEL TRANSMITTER (D/P CELL)
WITH AIR SUPPLY CONNECTION



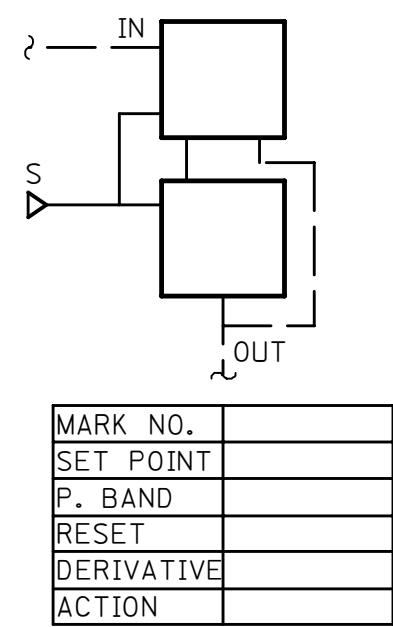
01501G
LOCAL INDICATOR



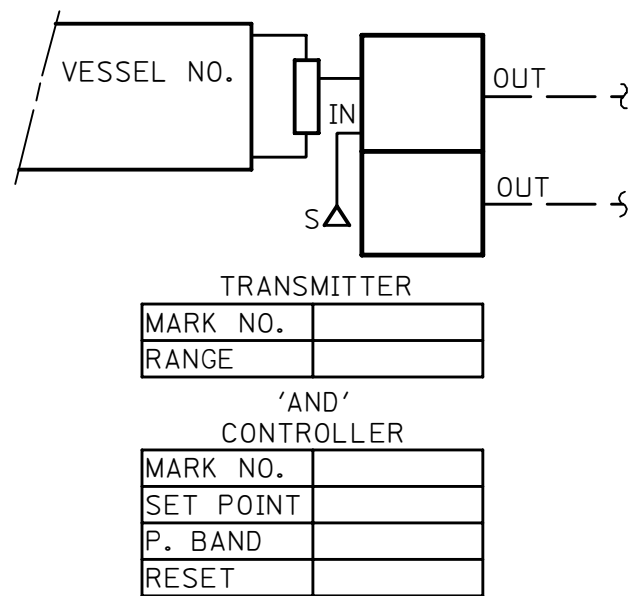
01501C
DISPLACER TYPE LEVEL TRANSMITTER OR CONTROLLER
WITH AIR SUPPLY CONNECTION



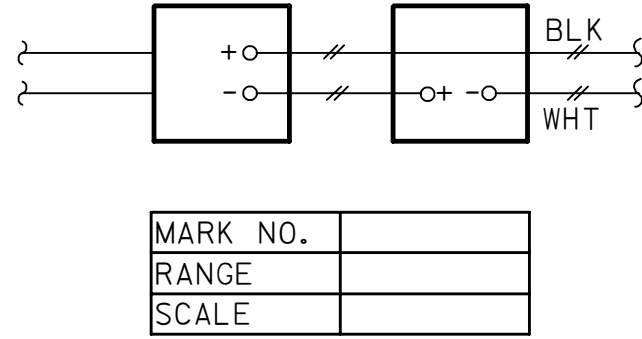
01501H
LOCAL RECEIVER
CONTROLLER
WITH AIR SUPPLY
CONNECTION AND
AUTO/MANUAL STATION



01501D
DISPLACER TYPE
LEVEL TRANSMITTER
OR CONTROLLER
WITH AIR SUPPLY
CONNECTION

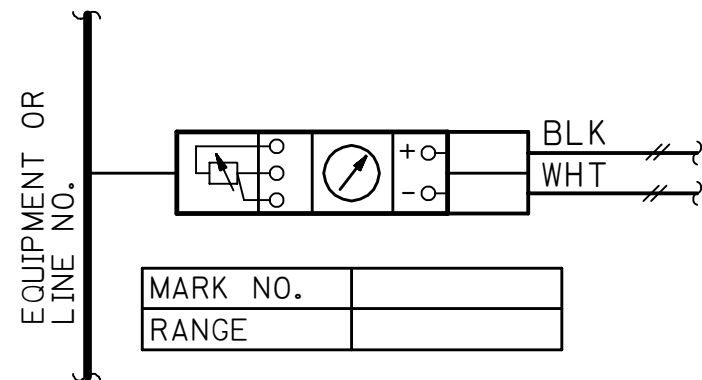


001504
FLOW TRANSMITTER
WITH INTEGRAL
INDICATOR

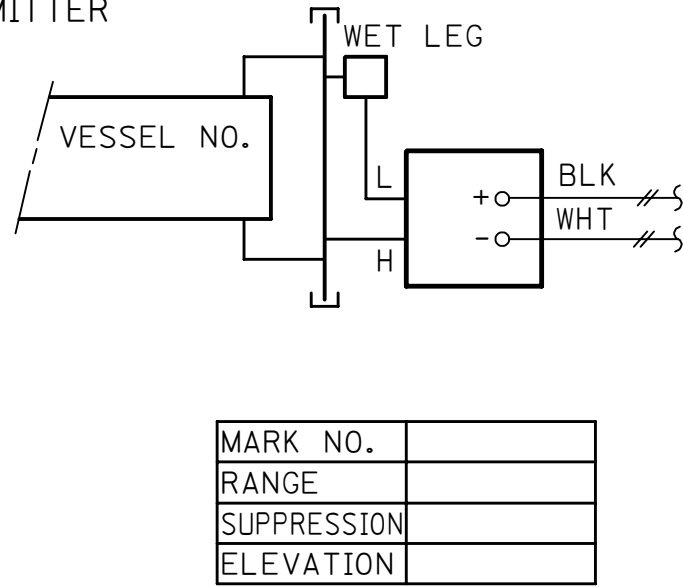


ELECTRONIC INSTRUMENTS

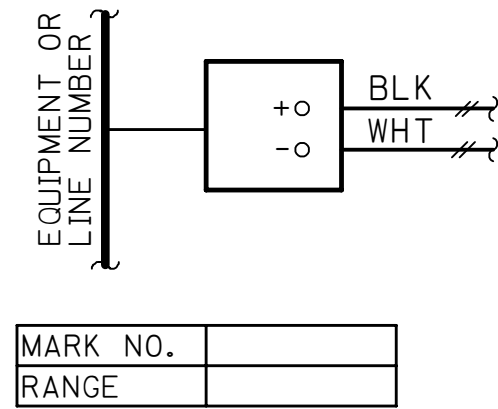
01504E
RESISTANCE TEMPERATURE
DETECTOR (RTD) TYPE
TEMPERATURE TRANSMITTER
TWO WIRES WITH INTEGRAL
INDICATOR



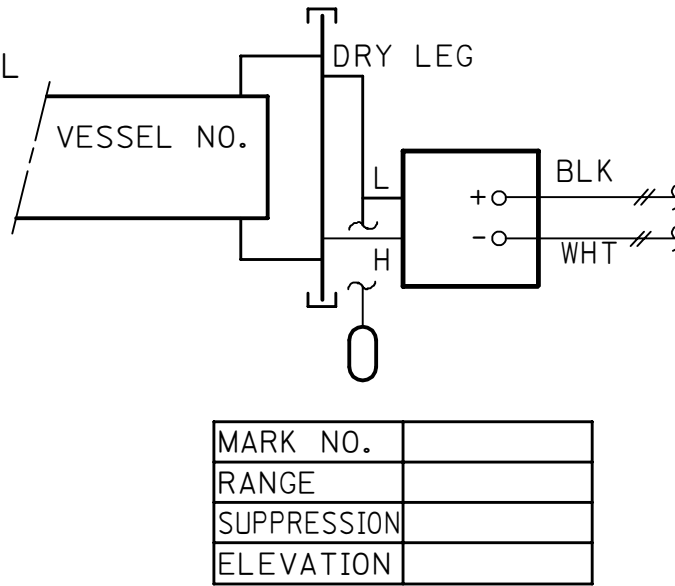
01504A
LEVEL TRANSMITTER
(D/P CELL)
CONNECTION



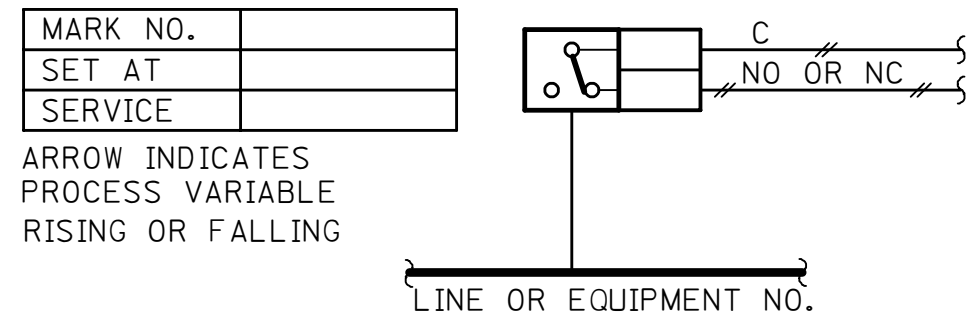
01504F
PRESSURE TRANSMITTER



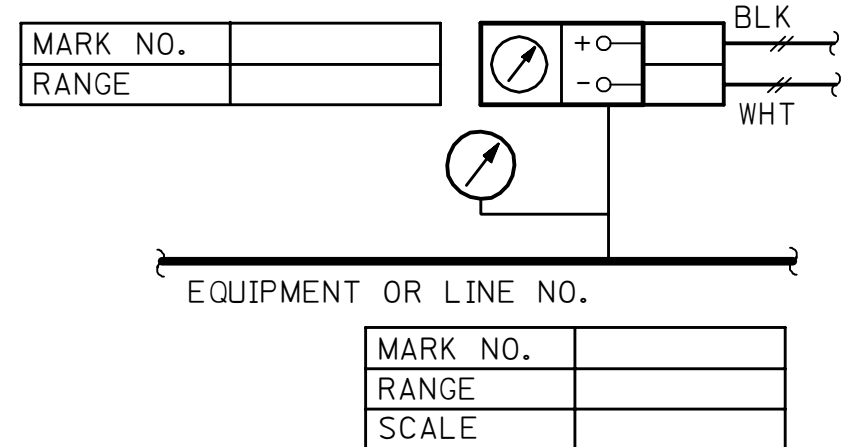
01504B
LEVEL TRANSMITTER
(D/P CELL)
WITH ELECTRICAL
SUPPLY
CONNECTION



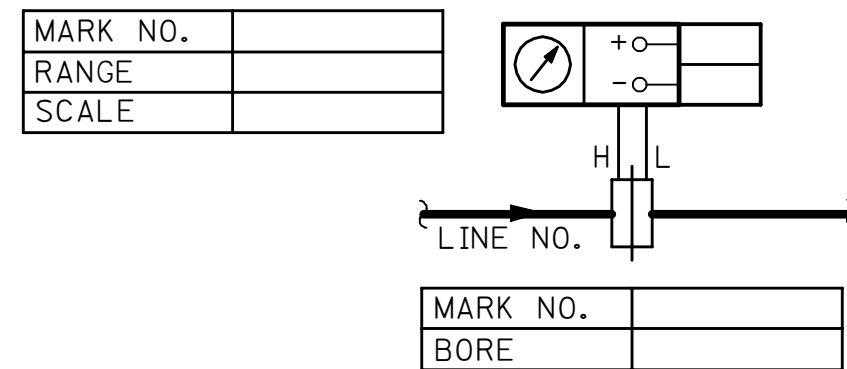
01504G
TEMPERATURE/PRESSURE SWITCH



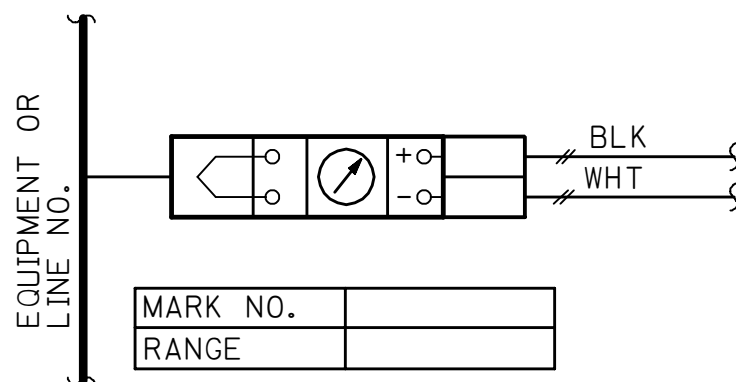
01504C
PRESSURE TRANSMITTER
TWO WIRE WITH
INTEGRAL INDICATOR
AND LOCAL PRESSURE
INDICATOR



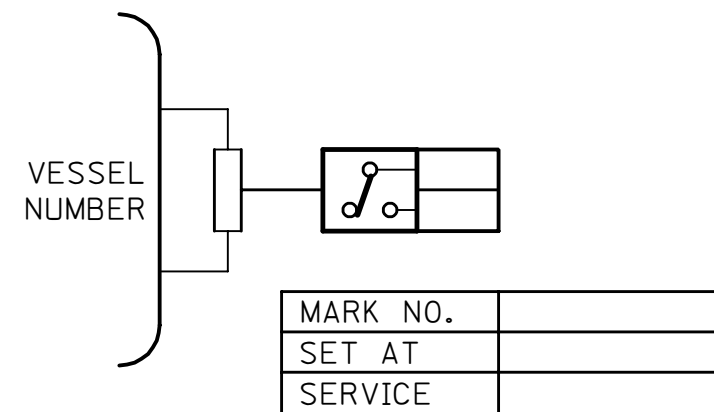
01504H
FLOW TRANSMITTER, DIFFERENTIAL
PRESSURE TYPE TWO WIRE WITH
INTEGRAL INDICATOR



01504D
THERMOCOUPLE TYPE
TEMPERATURE TRANSMITTER
TWO WIRES WITH
INTEGRAL INDICATOR



01504I
LEVEL SWITCH



NOTES:

- SUPPLY AIR REGULATOR FOR PNEUMATIC INSTRUMENTS NEED NOT BE SHOWN WHEN SETTING IS 140 kPa (ga), IN ALL OTHER CASES REGULATOR PLUS SETTING SHALL BE SHOWN (REFER TO "S").
- 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.
- ON LOOP DIAGRAMS, INSTRUMENT SYMBOLS REPRESENTING VALVES, SWITCHES ETC. SHALL BE SHOWN UNDER NORMAL OPERATING CONDITIONS.

LEGEND:

001501 - CADD REFERENCE CELL NO.

DWG. RESPONSIBILITY :									
INSTRUMENTS STANDARD COMMITTEE									
07	MAR/02	MHJ		REVISED INSTRUMENTS 01501A, 001504 AND 01504A/B/C/D/E/F/H					
06	NOV96	RCR		CHGD. MANDATORY DRAWING NOTE TO DRAWING RESPONSIBILITY NOTE.					
05	08-15-88	RL0		REDRAWN AND ADDED MANDATORY NOTE.		ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED	
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION		CHKD.	CERT.	APPD.	
SAUDI ARABIAN OIL COMPANY									
DRAWN BY <u>J.B.W.</u> CHECKED BY _____ SCALE <u>NONE</u>									
DATE STARTED _____ DATE COMPLETED _____									
OPR'G. DEPT. _____ ENG. DEPT. <u>ORIG. SIGNED</u>									
APP'D FOR CONSTR. _____									
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED					CERTIFIED <u>ORIG. CERTIFIED</u> By _____ DATE <u>06-15-76</u>				
LOCAL INSTRUMENTS SYMBOLS (PNEUMATIC & ELECTRONIC) FOR INSTRUMENT LOOP DIAGRAMS									
STD. DWG. METRIC									
PLANT NO.		INDEX		DRAWING NUMBER			SHT. NO.		REV. NO.
990		J		AB-036492			001		07