

IMPORTANT! PROBE WIRING INSTRUCTIONS - MODELS TMS2000 AND TMS3000

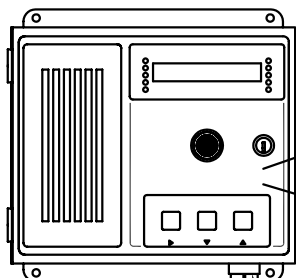
WARNING

Refer to TMS installation manual for WARNINGS and CAUTIONS before proceeding. FAILURE TO COMPLY MAY RESULT IN PERSONAL INJURY, PROPERTY LOSS AND EQUIPMENT DAMAGE.

PROBE MODELS COVERED BY THIS BULLETIN

MP450S	MP461SC
MP451S	MP461SV
MP452S	MP462SV
	MP463SV

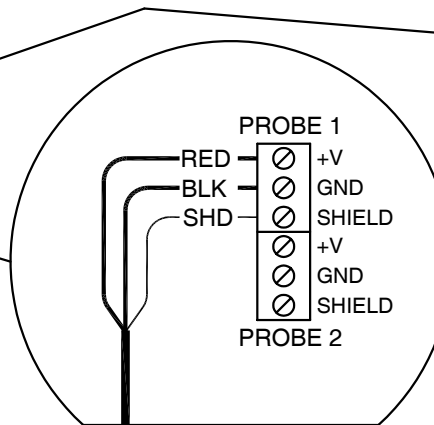
TMS CONSOLE



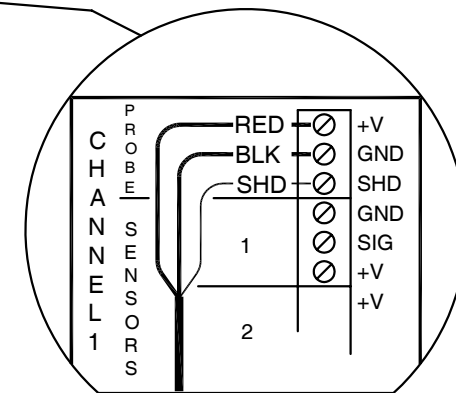
NON-INTRINSICALLY SAFE WIRING
INTRINSICALLY SAFE WIRING

3/4" NPT (TMS2000)
1" NPT (TMS3000)
OR EQUIVALENT
CONDUIT FITTING

TYPICAL WIRING FOR TMS CONSOLES



TMS2000 PROBE INPUT WIRING



TMS3000 PROBE INPUT WIRING

NON-HAZARDOUS AREA

HAZARDOUS AREA
CLASS 1, GROUPS C, D

CONDUIT AND VAPOR SEAL FITTING
(SIZE AND LOCATION TO BE
DETERMINED BY QUALIFIED INSTALLER)

TYPICAL
TANK
W/ PROBE

JUNCTION BOX
(PROVIDED BY
INSTALLER)

WIRING MUST BE DONE IN WATERTIGHT RATED BOX/HOUSING

WIRE SPLICE SEAL CONNECTOR (BY PCO *)

FOLLOW SUPPLIED WIRE SPLICE INSTRUCTIONS

BULLETIN 179; KIT P/N 10585-2 (FOR MP46xS)

BULLETIN 181; KIT P/N 10585-2L (FOR MP45xS)

1/2" NPT OR EQUIV. CABLE GRIP

REQ'D ONLY ON MP45xS MODELS

(JUNCTION BOX MOUNTS DIRECTLY
TO PROBE ON MP46xS MODELS)

FIELD WIRING CABLE (BY CUSTOMER)

EXAMPLE: BELDEN 8441, AVAILABLE
FROM PCO * AS CW1-0500 (500' SPOOL)

FROM
PROBE

TO CONSOLE
(AS SHOWN ABOVE)

REDUCER FITTING
(IF NEEDED)

MP46xS

BLK TO BLK
RED TO RED

MP45xS

BLK TO BLK
WHT TO RED
GRN TO GND
STUD

FIELD CABLE

Note for all probe models:
Conductor colors may vary
depending on cable manufacturer.
The field cable shield wire must
be connected to the PROBE
SHIELD TERMINAL in the console
I.S. compartment and should be cut
back and left unterminated at the
probe junction box.

* "PCO" REFERS TO PNEUMERCATOR COMPANY.

PNEUMERCATOR
Liquid Level Control Systems