

Figure 1. Outline and Installation Of Two-Wire Transmitters in HPD Housing

NOTES

1. The HPD housing is a variation on the hockey-puck (HP) housing. In this version, a bracket is added, enabling a unit to mount above another Moore Industries 2-wire transmitter. Both units then fit into an explosion-proof enclosure. The HPD housing may be used to mount a display unit (ITX, DSX or DVX) above a transmitter; typical combinations include TCX/DVX for temperature readout and PIX/ITX for flow total readout.
2. Two-wire transmitters other than display units may also be ordered with an HPD housing. Note: some 2-wire transmitters may be too high. See Table 1, Terminal Block Designations, on back page for compatible units.
3. The HPD housing bracket may be relocated to rotate the unit 90° in an explosion-proof enclosure, enabling the display to read horizontally regardless of the housing orientation.
4. Crimp-lug for ground wire (earth ground).
5. There are two basic styles of housings. One version has a fixed 6-position terminal block in the center of a flat panel and accommodates 30-12 AWG wire. The other version has a removable 2 or 6 position terminal block in the top of the terminal panel. See FL/HP data sheet.
6. When a unit is ordered with an HPD housing it is usually ordered with a second 2-wire transmitter beneath it in an explosion-proof enclosure. In this case specify the HPD housing for the upper unit and the explosion-proof enclosure for the lower unit. See Figure 2, Typical Installation, and the example below.

Example: A TCX is the lower unit in a 2HG explosion-proof enclosure and a DVX is placed above it for direct temperature readout through the window.

The TCX model number is:

TCX / J20-50MVFS / 4-20MA / 12-42DC [2HG]

The DVX model No. is:

DVX / 4-20MA / 0-1000°F / 2.5VLP [HPD]

7. See the EXPL data sheet for explosion-proof enclosures compatible with the HPD housing (use high covers only).

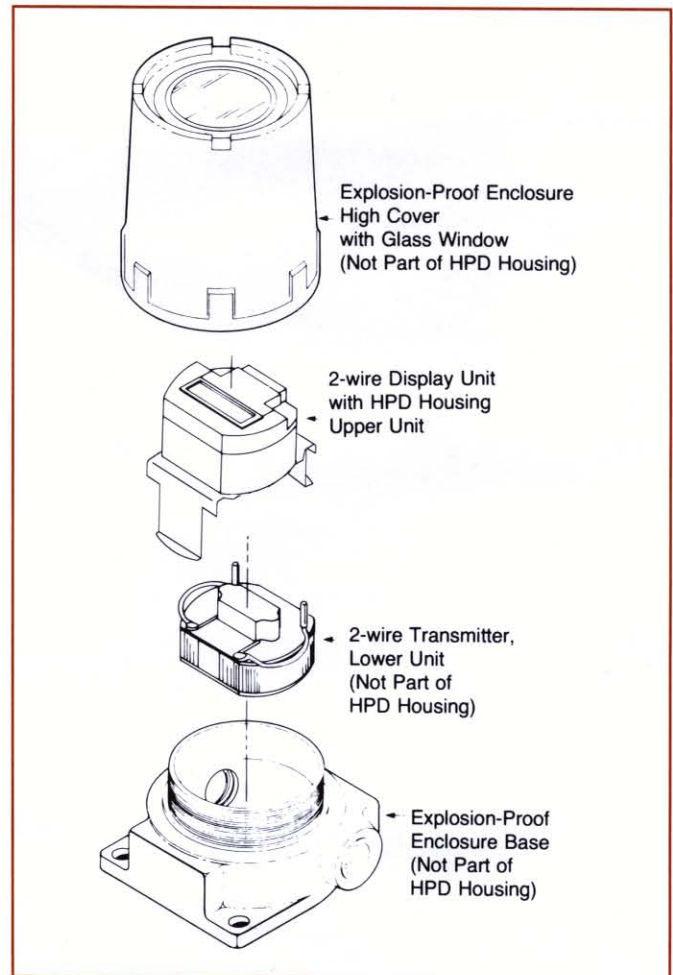


Figure 2. Typical Installation

Table 1. Terminal Block Designations

Model	1	2	3	4	5	6
ACX	+PS	CT/PT	-PS	CT/PT		
ALX	+IN	-IN			+ 4 4 -	
DVX					+IN	-IN
FDX	+PS	-IN	-PS	+SS		+IN
EP-FDX	+IN	-IN			+PS	-PS
FFX	+PS	+IN	-PS	-IN		
ITX	+IN	-IN		CAL	RS	RS
MVX (Not -RF)†	+PS	+IN	-PS	-IN		
PIX	+I		-I			
PTX	+PS	A	-PS	B		C
RBX (Not -RF)† EP-RBX (Not -RF)†	+PS	A	-PS	B		C
RBX-DT	+PS	AL	-PS	BL	AH	BH
SCX	+IN*	+OUT*	-IN*	-OUT*		
SRX	+OUT	+IN	-OUT	-IN		
TCX (Not -RF)†	+PS	+IN	-PS	-IN		

* These units are not available with the -RF option when used in an HPD housing due to height constraints.

Table 2. Key To Abbreviations

Abv.	Description
A	
B	RTD or potentiometer inputs
C	
AH BH	High RTD input
AL BL	Low RTD input
CAL	Calibration
CT/PT	Current transformer or potential transformer
I	Power supply and current output (PIX only)
IN	Signal Input
IN*	Signal input & power supply (SCX only)
OUT	Signal output (SCX only)
OUT*	Signal output (PIX only)
PS	Power Supply and current output
RS	Reset

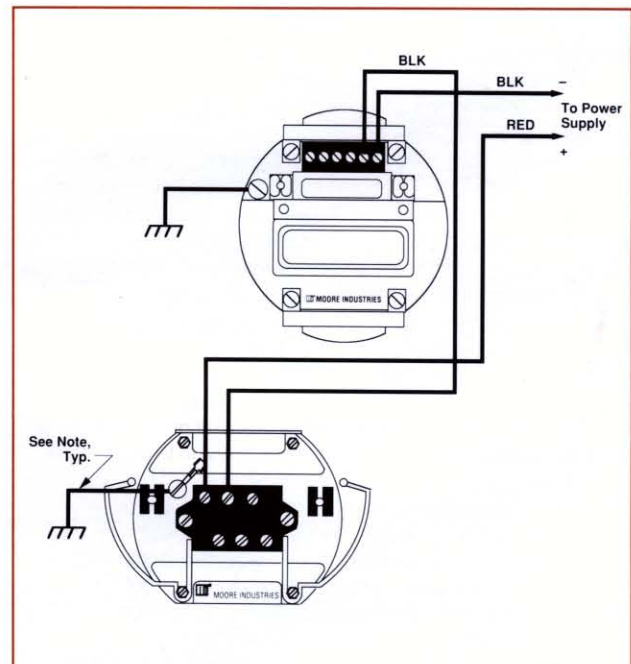


Figure 3. Typical Customer Wiring with Two Units

Note: Grounds are factory wired to green ground screw in base of enclosure. (On single units, ground is also factory wired.)