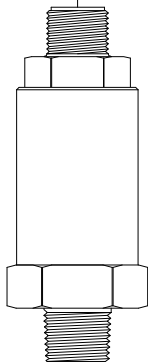


HAZARDOUS LOCATION
CLASS I, DIVISION 1
Group C, or D

NON-HAZARDOUS LOCATION

Intrinsic Safety
Associated Apparatus

See Table below for
electrical connections



Entity Parameters

$V_{\max} = 28V$
 $I_{\max} = 175mA$
 $C_i = 0.44\mu F$
 $L_i = 0$

UL Listed TURCK Inc. pressure transducer models:

PT **a b c** -4400-**d-e-f/g h**

PT **a b c** -4410-**d-e-f/g h**

PT **a b c** -44LP-**d-e-f/g h**

a = Pressure rating in bar, inH₂O, KG/cm², or psi

b = Pressure units B, H, K or P

c = Pressure measurement type A, G, V

d = Process connection 02, 03, 04, 05, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 27, or 28

e = Output type Li3, LU4, LU61, LU62, LU63, LU64, LU65, LU66, LU69, LU70, LU71, or LU72

f = Electrical connection H1141, VAS, VBS, VCS, MP150, BDX4, BDX6, CA244, or CO244

g = Wetted parts material D810, D811, D812, or D813

h = Cable length/units or blank

PT **a b c** -4500-**d-e-f/g h**

PT **a b c** -4510-**d-e-f/g h**

PT **a b c** -4520-**d-e-f/g h**

a = Pressure rating in bar, inH₂O, KG/cm², or psi

b = Pressure units B, H, K or P

c = Pressure measurement type A, G, V

d = Process connection 03, 04, 14, 15, 23, 30 or 31

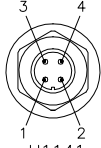
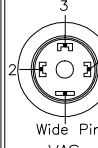
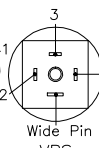
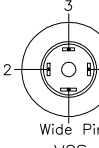
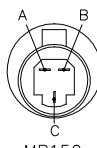

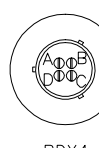
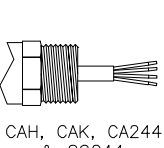
e = Output type Li3, LU4, LU62, LU64, LU70 or LU71

f = Electrical connection CAH or CAK

g = Wetted parts material D810, D811, D812, D813 or D814

h = Cable length/units or blank

Electrical Connections per Output Type

Electrical Connection Option Code	 H1141				 Wide Pin VAS				 Wide Pin VBS				 Wide Pin VCS				 MP150			 BDX6			 BDX4			 CAH, CAK, CA244, & CO244			
	Pin1	Pin2	Pin3	Pin4	Pin1	Pin2	Pin3	Wide Pin	Pin1	Pin2	Pin3	Wide Pin	PinA	PinB	PinC	PinA	PinB	PinC	PinD	PinE	PinF	Red	Blk	Grn	Wht				
Li3	V+	n/c	Gnd	n/c	V+	Gnd	n/c	n/c	n/c	Gnd	V+	n/c	Gnd	V+	n/c	V+	Gnd	n/c	n/c	*	*	V+	Gnd	na	na				
LU4, LU61, LU62, LU63, LU64, LU65 LU66, LU69	V+	n/c	Gnd	S+	V+	Gnd	S+	n/c	S+	Gnd	V+	n/c	Gnd	V+	S+	V+	S+	n/c	Gnd	*	*	V+	Gnd	na	S+				
LU70, LU71, LU72	V+	S+	S-	Gnd	S+	Gnd	V+	S-	S+	Gnd	V+	S-	na	na	na	V+	S+	S-	Gnd	*	*	V+	Gnd	S+	S-				

* n/c for BDX6, na for BDX4

The transducers depicted above are approved for installation in a Class I, Division 1, Group C or D hazardous location when connected to associated apparatus as described in note 1.

Notes:

- The associated apparatus must have entity parameters that meet the following requirements:

$$V_{oc} \text{ or } V_t \leq V_{\max} \quad I_{sc} \text{ or } I_t \leq I_{\max}$$

$$C_a \geq C_i + C_{\text{cable}} \quad L_a \geq L_i + L_{\text{cable}}$$

I_{\max} must be greater than the total current from the associated apparatus under any condition. This may be represented by I_{sc} or, in the case of multiple channel or multiple apparatus connections, I_{\max} .

- Associated apparatus must not be connected to any device that uses or generates in excess of 250Vrms.
- Installation must be in accordance with the National Electrical Code, ANSI/NFPA 70, Article 504.

Drawing No.:

IS-1.904

TURCK
3000 Campus Drive
Plymouth, MN 55441
Phone: (763) 553-7300

Title: Control Drawing for UL Listed Intrinsically Safe PT .. -4..0-.-.-./ and PT .. -44LP-.-.-./ Pressure Transducers

A	Release	BVL	1/20/09
Rev	Description	Drft	Date

Scale:	NONE	Sheet	1 of 1
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