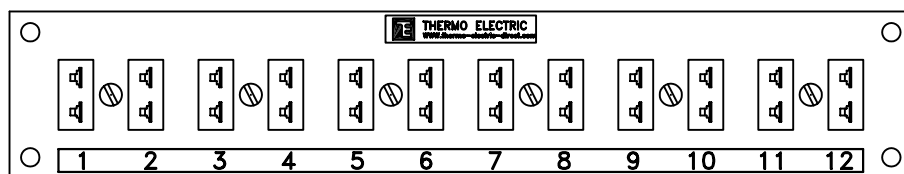
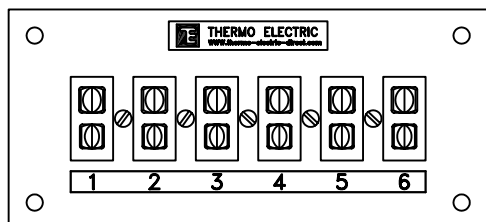
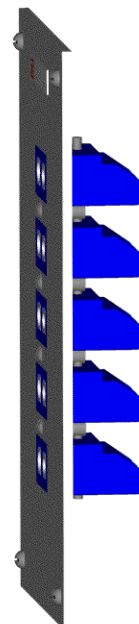
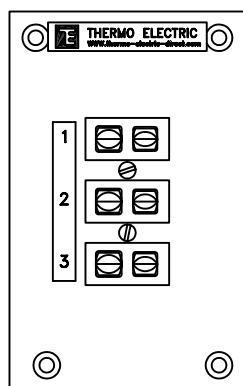
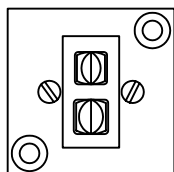




THERMO ELECTRIC

THERMOCOUPLE & RTD PANELS

Section PANN



Thermo Electric jack panels provide centralized connection of thermocouples or RTD's to associated instrumentation. A variety are stocked at all of our locations for same day delivery. Jack panels are available in a number of standard configurations as well as any special configuration your application may require. Single circuit panels are ideal for use on extruders and plastic molding machines to aid thermocouple interchange ability or in other applications where individual or specifically spaced plug connections are required. 6, 12 18 and 24 circuit panels are for centralized locations and can be stacked for large installations or future expansions. Multiple plug panels of up to 6 circuits can be simultaneously connected or disconnected. Made to order built panels can be provided in any row or circuit combination to meet environmental or space requirements. Phenolic panels are constructed from sturdy 1/4" thick phenolic in both front and rear. The inserts are machined from solid bar thermocouple alloys and are virtually indestructible. These panels are also available in fiberglass reinforced TEFLON® construction, both front and rear and may be subject to temperatures of up to 500°F (260°C). All panels are easy to wire. There is no need to remove rear covers or wrap the wires around screws. Polarity markings are in full view. Panels comply to ASTM standard pin size and spacing to accept any mating connector of standard 2 pin, 3 pin or miniature type.

THERMOCOUPLE & RTD PANELS

SINGLE CIRCUIT JACK PANEL

ORDERING CODE	CALIBRATION	INSERT COLOR	PANEL CUTOUT
PA41609	JX	BLACK	1.25" to 1.44" KNOCKOUT
PA41610	KX	YELLOW	
PA41611	TX	BLUE	
PA41612	SX/RX*	GREEN	
PA41613	EX	PURPLE	
PA41614	BX**	WHITE	
PA41609-NX	NX	ORANGE	

Document No.: TE-CO010109-PANN-010

2-PIN, 6, 12 & 18 CIRCUIT JACK PANEL

ORDERING CODE	NUMBER OF CIRCUITS	PANEL CUTOUT
PA41601-XX	6	1.13[28.7mm] x 4.63[117.6mm]
PA41602-XX	12	1.13[28.7mm] x 9.13[232mm]
PA41603-XX	18	1.13[28.7mm] x 13.63[346.2mm]

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX, NX

Document No.: TE-CO010109-PANN-010

2-PIN, 24 CIRCUIT JACK PANEL

ORDERING CODE	PANEL CUTOUT
PA41604-XX	2.88[73mm] x 9.13[232mm]

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX**, NX

Document No.: TE-CO010109-PANN-020

2-PIN, 1 TO 6 CIRCUIT VERTICAL MOUNT JACK PANEL

ORDERING CODE	NUMBER OF CIRCUITS	PANEL CUTOUT
PA41801-XX	1	.63[16mm] x 1.13[28.6mm]
PA41802-XX	2	1.5[38mm] x 1.13[28.6mm]
PA41803-XX	3	2.25[57mm] x 1.13[28.6mm]
PA41804-XX	4	3[77mm] x 1.13[28.6mm]
PA41805-XX	5	3.75[95mm] x 1.13[28.6mm]
PA41806-XX	6	4.5[114.3mm] x 1.13[28.6mm]

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX, NX

Document No.: TE-CO010109-PANN-020

2-PIN, MINIATURE SINGLE CIRCUIT JACK PANEL

ORDERING CODE	CALIBRATION	INSERT COLOR	PANEL CUTOUT
PA41615-JX	JX	BLACK	1.25" to 1.44" KNOCKOUT
PA41615-KX	KX	YELLOW	
PA41615-TX	TX	BLUE	
PA41615-SX	SX/RX*	GREEN	
PA41615-EX	EX	PURPLE	
PA41615-BX	BX**	WHITE	
PA41615-NX	NX	ORANGE	

Document No.: TE-CO010109-PANN-040

2-PIN, 6, 12 & 18 CIRCUIT MINIATURE JACK PANEL

ORDERING CODE	NUMBER OF CIRCUITS	PANEL CUTOUT
PA41605-XX	6	1.13[28.7mm] x 4.63[117.6mm]
PA41606-XX	12	1.13[28.7mm] x 9.13[232mm]
PA41607-XX	18	1.13[28.7mm] x 13.63[346.2mm]

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX, EX, BX, NX

Document No.: TE-CO010109-PANN-040

2-PIN, 24 CIRCUIT MINIATURE JACK PANEL

ORDERING CODE	PANEL CUTOUT
PA41608-XX	2.5[63.5mm] x 7.63[194mm]

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX**, NX

Document No.: TE-CO010109-PANN-050

SINGLE CIRCUIT PHENOLIC JACK PANEL

ORDERING CODE	CALIBRATION		SYMBOL	IDENTIFICATION		PANEL CUTOUT
	POSITIVE (+)	NEGATIVE (-)		POS. (+)	NEG. (-)	
PA41616-JX	IRON	CONSTANTAN	JX	I	C	1.25" to 1.44" KNOCKOUT
PA41616-TX	COPPER	CONSTANTAN	TX	CU	C	
PA41616-SX	COPPER	ALLOY 11	SX/RX	PR	P	
PA41616-KX	CHROMEL	ALUMEL	KX	CR	AL	
PA41616-BX	COPPER	COPPER	BX	CU	CU	
PA41616-EX	CHROMEL	CONSTANTAN	EX	CR	C	
NOT AVAILABLE	NICROSIL	NISIL	NX	NX	NX	

Document No.: TE-CO010109-PANN-060

2-PIN, 1 TO 6 CIRCUIT VERTICAL MOUNT PHENOLIC JACK PANEL

ORDERING CODE	NUMBER OF CIRCUITS	PANEL CUTOUT
PA42606-XX	1	2.63[67mm] x 1.63[41.4mm]
PA42607-XX	2	2.63[67mm] x 1.63[41.4mm]
PA42608-XX	3	2.63[67mm] x 1.5[38mm]
PA42609-XX	4	2.88[73mm] x 1.5[38mm]
PA42610-XX	5	3.63[92mm] x 1.5[38mm]
PA42611-XX	6	4.31[109.5mm] x 1.5[38mm]

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX, NX

Document No.: TE-CO010109-PANN-060

3-PIN, 1 TO 6 CIRCUIT VERTICAL MOUNT PHENOLIC JACK PANEL

ORDERING CODE	NUMBER OF CIRCUITS	PANEL CUTOUT
PA42612-XX	1	1.44[36.6mm] x 1.31[33.3mm]
PA42613-XX	2	2.13[54mm] x 1.63[41.4mm]
PA42614-XX	3	2.13[54mm] x 1.63[41.4mm]
PA42615-XX	4	2.88[73mm] x 1.63[41.4mm]
PA42616-XX	5	3.63[92mm] x 1.63[41.4mm]
PA42617-XX	6	4.38[111.3mm] x 1.63[41.4mm]

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX, NX

Document No.: TE-CO010109-PANN-060

3-PIN, 2 TO 6 CIRCUIT VERTICAL MOUNT PHENOLIC PLUG PANEL

ORDERING CODE	NUMBER OF CIRCUITS
PA42501-XX	2
PA42502-XX	3
PA42503-XX	4
PA42504-XX	5
PA42505-XX	6

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX, NX

Document No.: TE-CO010109-PANN-070

CONDUIT BOX

ORDERING CODE	NPT OPENING
EN1527-1	1/2"NPT
EN1527-2	3/4"NPT

Document No.: TE-CO010109-PANN-070

2-PIN, 1 TO 4 CIRCUIT VERTICAL MOUNT HIGH TEMPERATURE. JACK PANEL

ORDERING CODE	NUMBER OF CIRCUITS	PANEL CUTOUT
PA29500-1-XX	1	1.0[25.4mm] x 1.81[50mm]
PA29500-2-XX	2	2[50.8mm] x 1.81[50mm]
PA29500-3-XX	3	3[76.2mm] x 1.81[50mm]
PA29500-4-XX	4	4[101.6mm] x 1.81[50mm]

XX, FILL IN CALIBRATION: JX, KX, SX/RX*, EX

Document No.: TE-CO010109-PANN-100

- * Compensating Extension Alloys used for both R and S thermocouples
- ** Copper used for B thermocouples or RTD's



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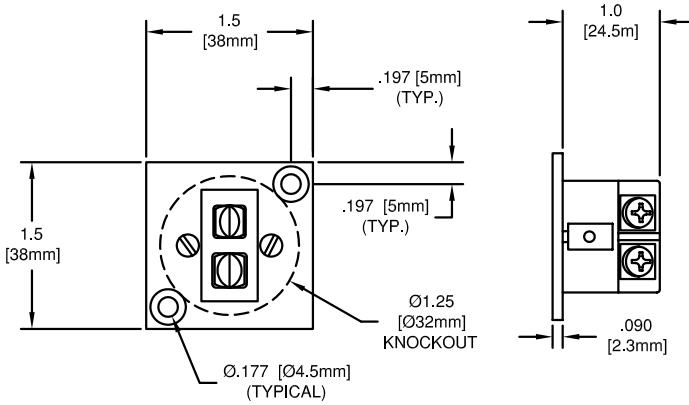
SECTION PANN

INTRODUCTION

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Doc. No.: TE-CO010109-PANN-INT

THERMOCOUPLE & RTD PANELS



SINGLE CIRCUIT JACK PANEL

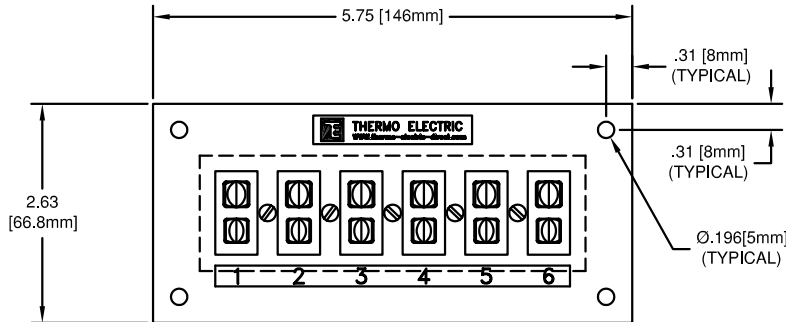
ORDERING CODE	CALIBRATION	INSERT COLOR	PANEL CUTOUT
PA41609	JX	BLACK	1.25" to 1.44" KNOCKOUT
PA41610	KX	YELLOW	
PA41611	TX	BLUE	
PA41612	SX/RX*	GREEN	
PA41613	EX	PURPLE	
PA41614	BX**	WHITE	
PA41609-NX	NX	ORANGE	

Add (-IEC) to end of ordering code for IEC color code.

* Compensating Extension Alloys used for both R and S thermocouples

** Copper used for B thermocouples or RTD's

SINGLE ROW, 6 CIRCUIT JACK PANEL

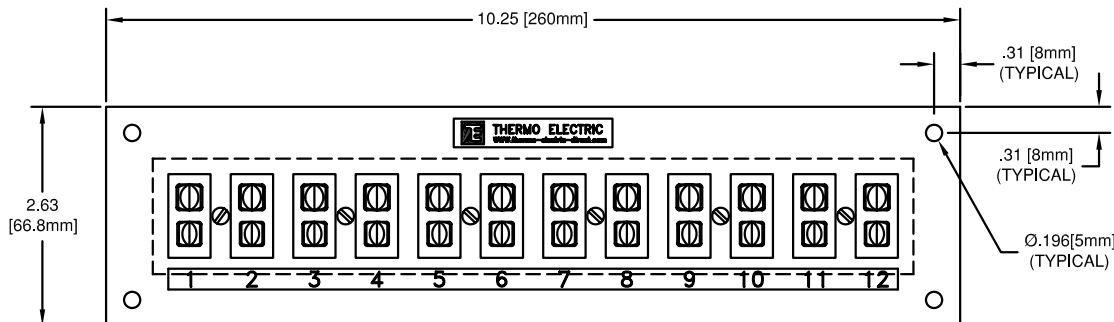


ORDERING CODE	NUMBER OF CIRCUITS	PANEL CUTOUT
PA41601-XX	6	1.13[28.7mm] x 4.63[117.6mm]
PA41602-XX	12	1.13[28.7mm] x 9.13[232mm]
PA41603-XX	18	1.13[28.7mm] x 13.63[346.2mm]

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX**, NX

Add (-IEC) to end of ordering code for IEC color code.

SINGLE ROW, 12 CIRCUIT JACK PANEL



SPECIFICATIONS

INSERTS

Color Identification: ANSI-MC96

Polarized, Spring Loaded

Insert Material: Thermocouple Alloys

Body Material: High Impact Strength Thermoplastic

Maximum Temperature Limit: 390°F (200°C)

Maximum Wire Diameter: .079" (14Ga)

FACE PANEL

Material: Anodized Aluminum

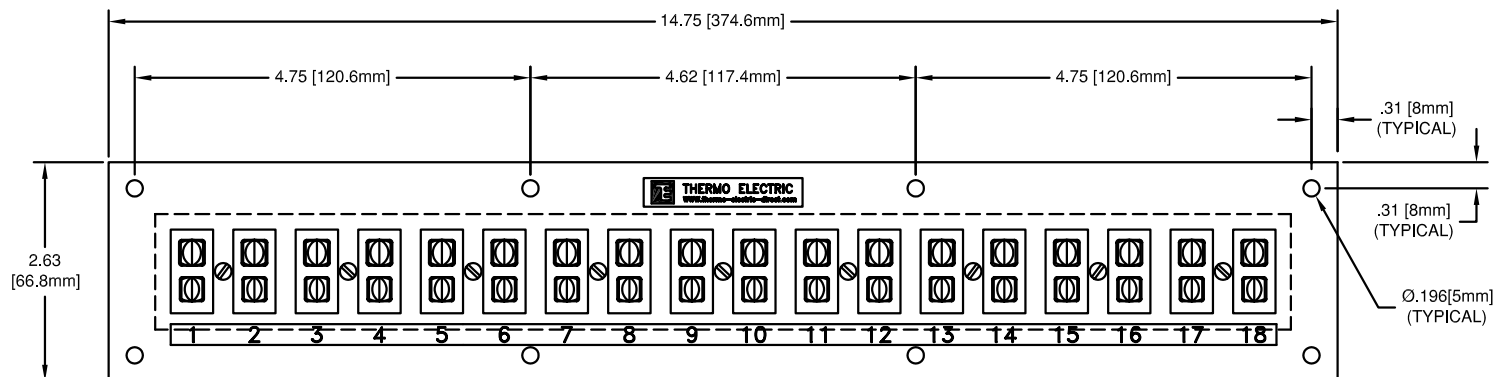
MATING PLUG

Standard Size 2-Pin

See Document No.

TE-CO010109-CONN-010

SINGLE ROW, 18 CIRCUIT JACK PANEL



TEMPERATURE MEASUREMENT DESIGNER'S GUIDE
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SECTION PANN

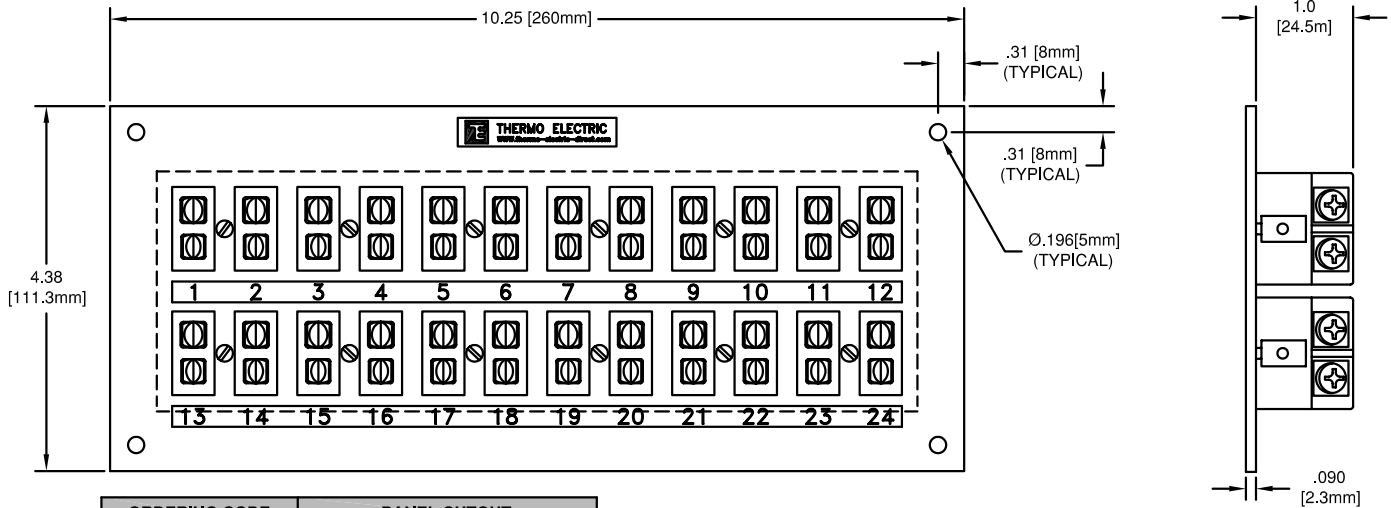
STANDARD SIZE, 2-PIN JACK PANELS
SINGLE, 6, 12 & 18 CIRCUIT

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Doc. No.: TE-CO010109-PANN-010

THERMOCOUPLE & RTD PANELS

TWO ROW, 12 CIRCUIT PER ROW JACK PANEL



ORDERING CODE	PANEL CUTOUT
PA41604-XX	2.88[73mm] x 9.13[232mm]
XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX**, NX	

Add (-IEC) to end of ordering code for IEC color code.

* Compensating Extension Alloys used for both R and S thermocouples

** Copper used for B thermocouples or RTD's

SPECIFICATIONS

INSERTS

Color Identification: ANSI-MC96
Polarized, Spring Loaded
Insert Material: Thermocouple Alloys
Body Material: High Impact Strength Thermoplastic
Maximum Temperature Limit: 390°F (200°C)
Maximum Wire Diameter: .079" (14Ga)

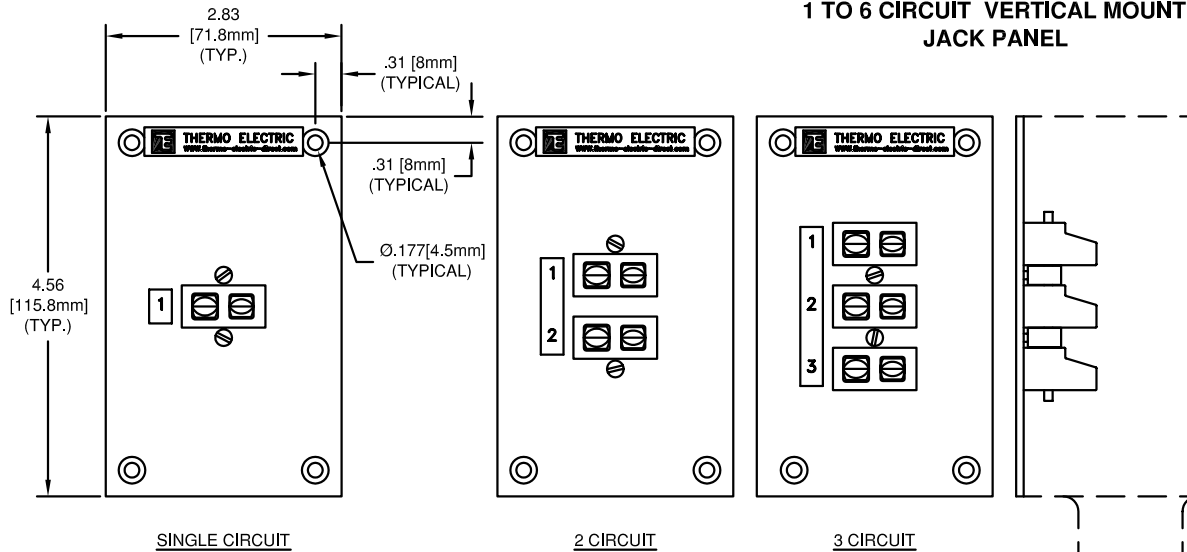
FACE PANEL

Material: Anodized Aluminum

MATING PLUG

Standard Size 2-Pin
See Document No.
TE-CO010109-CONN-010

1 TO 6 CIRCUIT VERTICAL MOUNT JACK PANEL



OPTIONAL EN1527 JUNCTION BOX
SEE DOCUMENT NO.:
TE-CO010109-PANN-070

ORDERING CODE	NUMBER OF CIRCUITS	PANEL CUTOUT
PA41801-XX	1	.63[16mm] x 1.13[28.6mm]
PA41802-XX	2	1.5[38mm] x 1.13[28.6mm]
PA41803-XX	3	2.25[57mm] x 1.13[28.6mm]
PA41804-XX	4	3[77mm] x 1.13[28.6mm]
PA41805-XX	5	3.75[95mm] x 1.13[28.6mm]
PA41806-XX	6	4.5[114.3mm] x 1.13[28.6mm]

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX**, NX

Add (-IEC) to end of ordering code for IEC color code.



TEMPERATURE MEASUREMENT DESIGNER'S GUIDE
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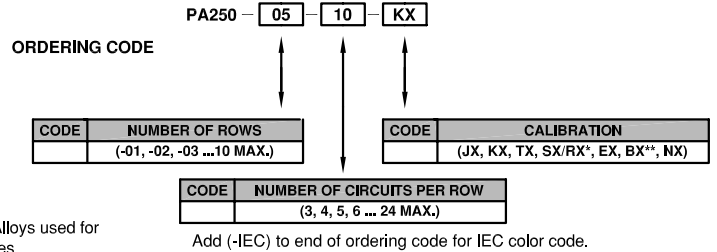
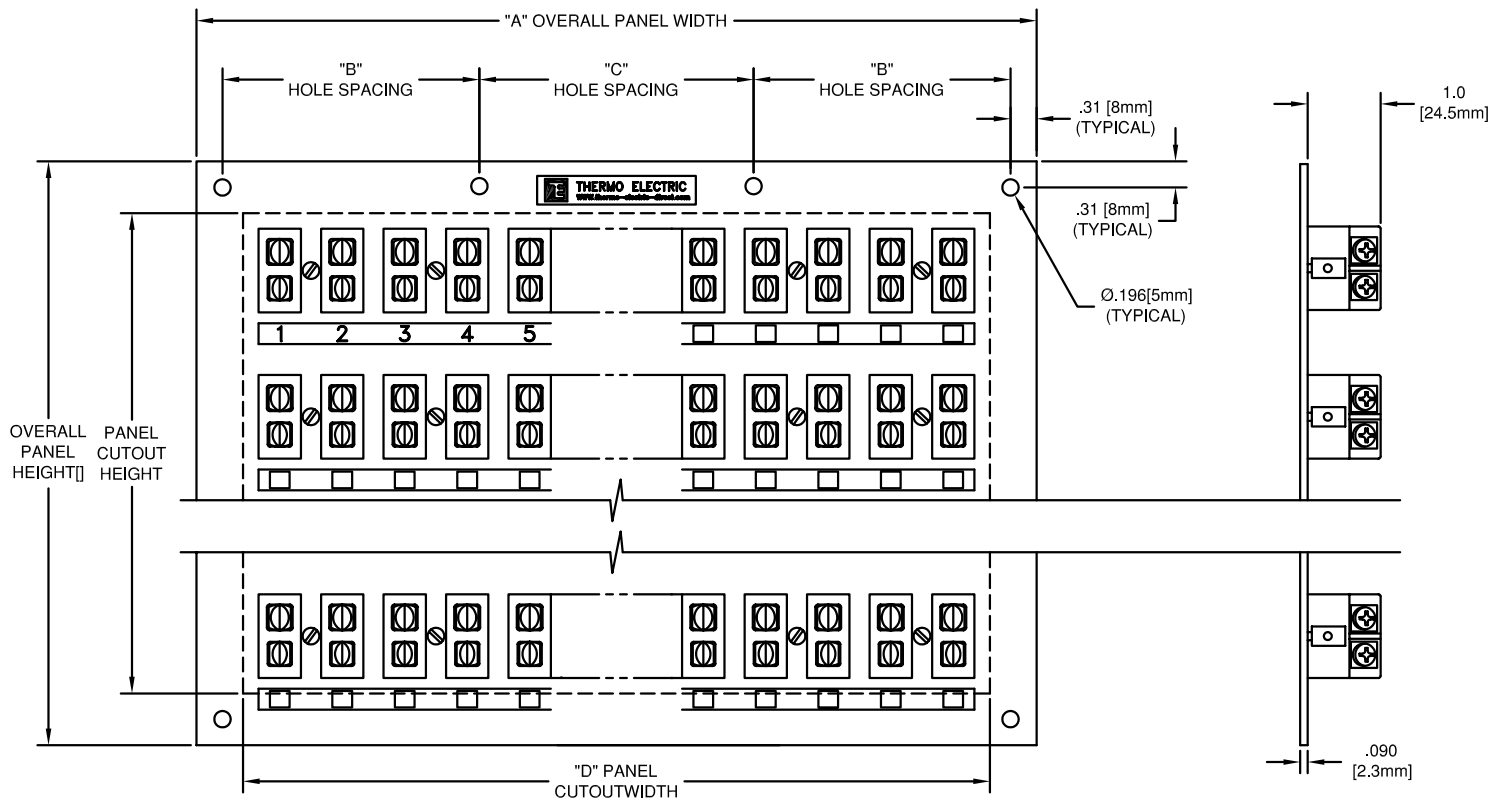
SECTION PANN

STANDARD SIZE, 2-PIN JACK PANELS
24 CIRCUIT, 1 TO 6 CIRCUIT VERTICAL MOUNT

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Doc. No.: TE-CO010109-PANN-020

THERMOCOUPLE & RTD PANELS



DIMENSION TABLE

* Compensating Extension Alloys used for both R and S thermocouples
 ** Copper used for B thermocouples or RTD's

NUMBER of CIRCUITS PER ROW	NUMBER of ROWS										OVERALL PANEL WIDTH "A"	PANEL CUTOUT WIDTH "D"	HOLE SPACING "B"	HOLE SPACING "C"
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN				
	TOTAL NUMBER OF CIRCUITS													
THREE	3	6	9	12	15	18	21	24	27	30	3.50	2.38		
FOUR	4	8	12	16	20	24	28	32	36	40	4.25	3.13		
FIVE	5	10	15	20	25	30	35	40	45	50	5.00	3.88		
SIX	6	12	18	24	30	36	42	48	54	60	5.75	4.63		
SEVEN	7	14	21	28	35	42	49	56	63	70	6.50	5.38		
EIGHT	8	16	24	32	40	48	56	64	72	80	7.25	6.13		
NINE	9	18	27	36	45	54	63	72	81	90	8.00	6.88		
TEN	10	20	30	40	50	60	70	80	90	100	8.75	7.63		
ELEVEN	11	22	33	44	55	66	77	88	99	110	9.50	8.38		
TWELVE	12	24	36	48	60	72	84	96	108	120	10.25	9.13		
THIRTEEN	13	26	39	52	65	78	91	104	117	130	11.00	9.88		
FOURTEEN	14	28	42	56	70	84	98	112	126	140	11.75	10.53		
FIFTEEN	15	30	45	60	75	90	105	120	135	150	12.75	11.38		
SIXTEEN	16	32	48	64	80	96	112	128	144	160	13.25	12.13		
SEVENTEEN	17	34	51	68	85	102	119	136	153	170	14.00	12.88		
EIGHTEEN	18	36	54	72	90	108	126	144	162	180	14.75	13.63	4.75	4.63
NINETEEN	19	38	57	76	95	114	133	152	171	190	15.50	14.38	5.00	4.88
TWENTY	20	40	60	80	100	120	140	160	180	200	16.25	15.13	5.25	5.13
TWENTY ONE	21	42	63	84	105	126	147	168	189	210	17.00	15.88	5.50	5.38
TWENTY TWO	22	44	66	88	110	132	154	176	198	220	17.75	16.63	5.75	5.63
TWENTY THREE	23	46	69	92	115	138	161	184	207	230	18.50	17.38	6.00	5.88
TWENTY FOUR	24	48	72	96	120	144	168	192	216	240	19.25	18.13	6.25	6.13
OVERALL PANEL HEIGHT	2.63	4.38	6.13	7.88	9.63	11.38	13.13	14.88	16.63	18.38				
PANEL CUTOUT HEIGHT	1.13	2.88	4.63	6.38	8.13	9.88	11.63	13.38	15.13	16.88				

SPECIFICATIONS

INSERTS
 Color Identification: ANSI-MC96
 Polarized, Spring Loaded
 Insert Material: Thermocouple Alloys
 Body Material: High Impact Strength Thermoplastic
 Maximum Temperature Limit: 390°F (200°C)
 Maximum Wire Diameter: .079" (14Ga)

FACE PANEL
 Material: Anodized Aluminum

MATING PLUG
 Standard Size 2-Pin
 See Document No. TE-CO010109-CONN-010



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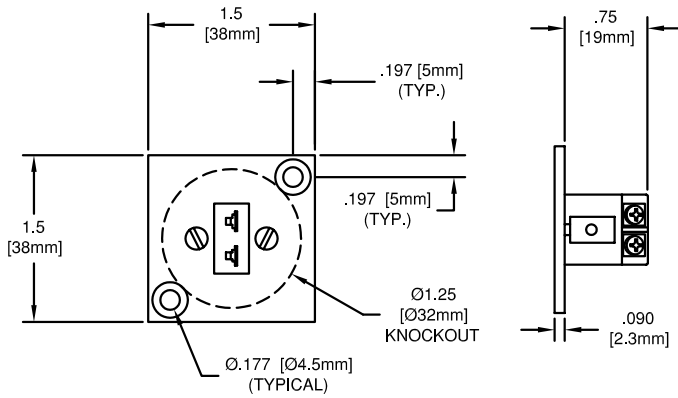
SECTION PANN

STANDARD SIZE, 2-PIN JACK PANELS
 MADE-TO-ORDER

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Doc. No.: TE-CO010109-PANN-030

THERMOCOUPLE & RTD PANELS

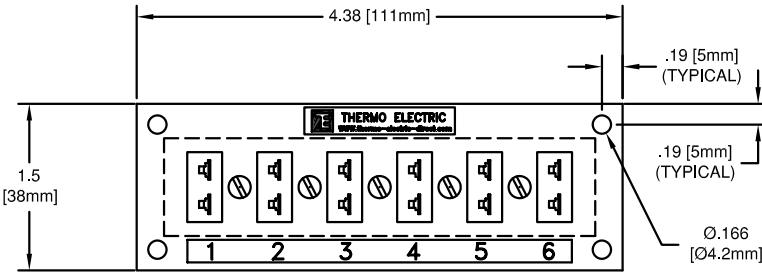


SINGLE CIRCUIT MINIATURE JACK PANEL

ORDERING CODE	CALIBRATION	INSERT COLOR	PANEL CUTOUT
PA41615-JX	JX	BLACK	1.25" to 1.44" KNOCKOUT
PA41615-KX	KX	YELLOW	
PA41615-TX	TX	BLUE	
PA41615-SX	SX/RX*	GREEN	
PA41615-EX	EX	PURPLE	
PA41615-BX	BX**	WHITE	
PA41615-NX	NX	ORANGE	

Add (-IEC) to end of ordering code for IEC color code.

SINGLE ROW, 6 CIRCUIT MINIATURE JACK PANEL



6, 12 & 18 CIRCUIT MINIATURE JACK PANEL

ORDERING CODE	NUMBER OF CIRCUITS	PANEL CUTOUT
PA41605-XX	6	.88[22.3mm] x 3.88[98.6mm]
PA41606-XX	12	.88[22.3mm] x 7.63[194mm]
PA41607-XX	18	.88[22.3mm] x 11.38[289mm]

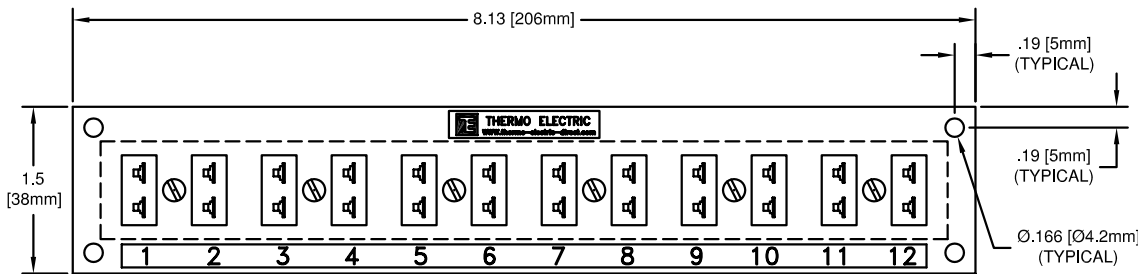
XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX, NX

Add (-IEC) to end of ordering code for IEC color code.

* Compensating Extension Alloys used for both R and S thermocouples

** Copper used for B thermocouples or RTD's

SINGLE ROW, 12 CIRCUIT MINIATURE JACK PANEL



SPECIFICATIONS

INSERTS

Color Identification: ANSI-MC96
Polarized, Spring Loaded
Insert Material: Thermocouple Alloys
Body Material: High Impact Strength Thermoplastic
Maximum Temperature Limit: 390°F (200°C)
Maximum Wire Diameter: .024" (20Ga)

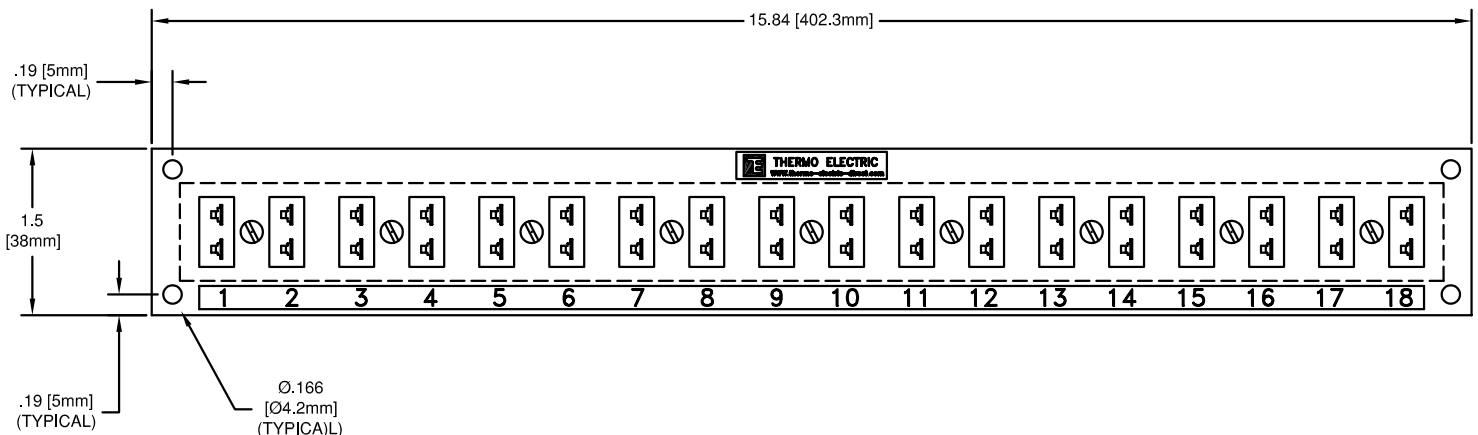
FACE PANEL

Material: Anodized Aluminum

MATING PLUG

Miniature 2-Pin
See Document No.
TE-CO010109-CONN-080

SINGLE ROW, 18 CIRCUIT MINIATURE JACK PANEL



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SECTION PANN

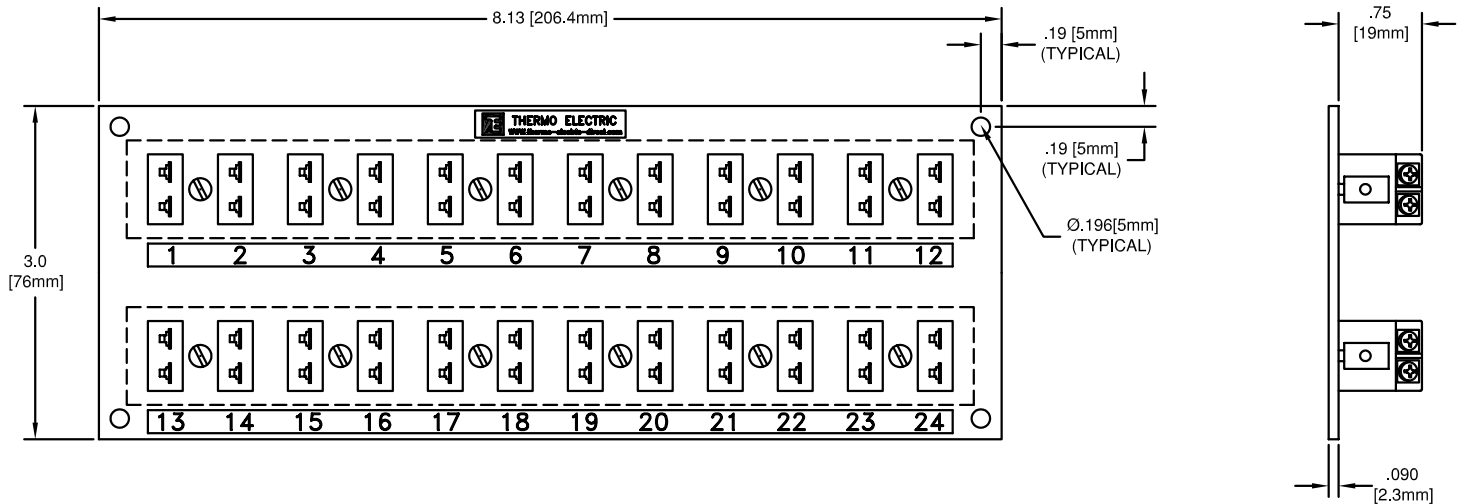
MINIATURE, 2-PIN JACK PANELS SINGLE, 6, 12 & 18 CIRCUIT

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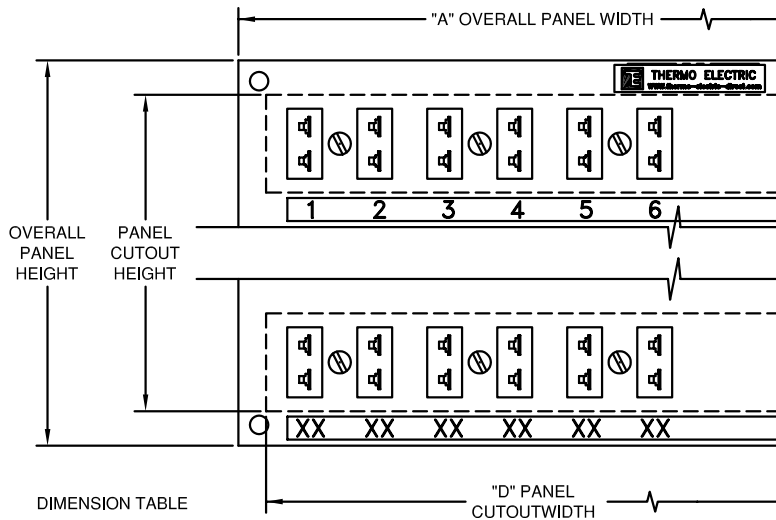
Doc. No.: TE-CO010109-PANN-040

THERMOCOUPLE & RTD PANELS

24 CIRCUIT JACK PANEL



MADE-TO-ORDER MINIATURE JACK PANEL



DIMENSION TABLE

24 CIRCUIT JACK PANEL

ORDERING CODE	PANEL CUTOUT
PA41608-XX	2.5[63.5mm] x 7.63[194mm]
XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX**, NX	

MADE-TO-ORDER JACK PANEL

PA256-05-10-KX

ORDERING CODE

CODE	NUMBER OF ROWS (-01, -02, -03 ... 12 MAX.)	CODE	CALIBRATION (JX, KX, TX, SX/RX*, EX, BX**, NX)

CODE	NUMBER OF CIRCUITS PER ROW (3, 4, 5, 6 ... 25 MAX.)

Add (-IEC) to end of ordering code for IEC color code.

* Compensating Extension Alloys used for both R and S thermocouples
** Copper used for B thermocouples or RTD's

NUMBER of CIRCUITS PER ROW	NUMBER of ROWS												OVERALL PANEL WIDTH	PANEL CUTOUT WIDTH
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE	"A"	"D"
TOTAL NUMBER of CIRCUITS														
THREE	3	6	9	12	15	18	21	24	27	30	33	36	2.50	2.00
FOUR	4	8	12	16	20	24	28	32	36	40	44	48	3.13	2.63
FIVE	5	10	15	20	25	30	35	40	45	50	55	60	3.75	3.25
SIX	6	12	18	24	30	36	42	48	54	60	66	72	4.38	3.88
SEVEN	7	14	21	28	35	42	49	56	63	70	77	84	5.00	4.50
EIGHT	8	16	24	32	40	48	56	64	72	80	88	96	5.63	5.13
NINE	9	18	27	36	45	54	63	72	81	90	99	108	6.25	5.75
TEN	10	20	30	40	50	60	70	80	90	100	110	120	6.88	6.38
ELEVEN	11	22	33	44	55	66	77	88	99	110	121	132	7.50	7.00
TWELVE	12	24	36	48	60	72	84	96	108	120	132	144	8.13	7.63
THIRTEEN	13	26	39	52	65	78	91	104	117	130	143	156	8.75	8.25
FOURTEEN	14	28	42	56	70	84	98	112	126	140	154	168	9.38	8.88
FIFTEEN	15	30	45	60	75	90	105	120	135	150	165	180	10.00	9.50
SIXTEEN	16	32	48	64	80	96	112	128	144	160	176	192	10.63	10.13
SEVENTEEN	17	34	51	68	85	102	119	136	153	170	187	204	11.25	10.75
EIGHTEEN	18	36	54	72	90	108	126	144	162	180	198	216	11.88	11.38
NINETEEN	19	38	57	76	95	114	133	152	171	190	209	228	12.50	12.00
TWENTY	20	40	60	80	100	120	140	160	180	200	220	240	13.13	12.83
TWENTY ONE	21	42	63	84	105	126	147	168	189	210	231	252	13.75	13.25
TWENTY TWO	22	44	66	88	110	132	154	176	198	220	242	264	14.38	13.88
TWENTY THREE	23	46	69	92	115	138	161	184	207	230	253	276	15.00	14.50
TWENTY FOUR	24	48	72	96	120	144	168	192	216	240	264	288	15.63	15.13
TWENTY FIVE	25	50	75	100	125	150	175	200	225	250	275	300	16.25	15.50
OVERALL PANEL HEIGHT	1.50	3.00	4.50	6.00	7.50	9.00	10.50	12.00	13.50	15.00	16.50	18.00		
PANEL CUTOUT HEIGHT	.88	2.5	4.00	5.50	7.00	8.50	10.00	11.50	13.00	14.50	16.00	17.50		

SPECIFICATIONS

INSERTS
Color Identification: ANSI-MC96
Polarized, Spring Loaded
Insert Material: Thermocouple Alloys
Body Material: High Impact Strength Thermoplastic
Maximum Temperature Limit: 390°F (200°C)
Maximum Wire Diameter: .024" (24Ga)

FACE PANEL
Material: Anodized Aluminum

MATING PLUG
Miniature 2-Pin
See Document No.
TE-CO010109-CONN-080



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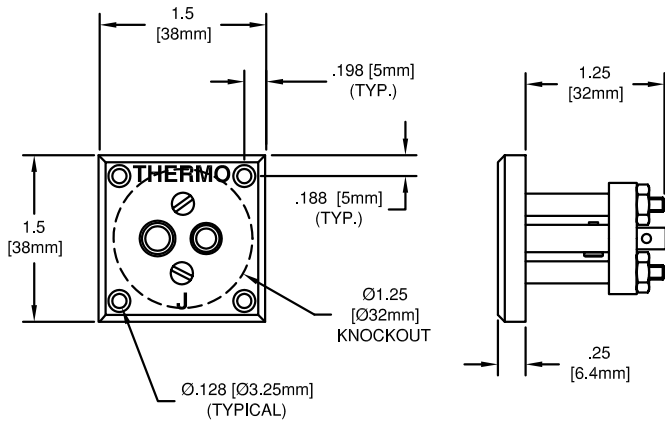
SECTION PANN

MINIATURE, 2-PIN JACK PANELS
24 CIRCUIT, MADE-TO-ORDER

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Doc. No.: TE-CO010109-PANN-050

THERMOCOUPLE & RTD PANELS



SINGLE CIRCUIT JACK PANEL

ORDERING CODE	CALIBRATION		SYMBOL	PANEL CUTOUT
	POSITIVE (+)	NEGATIVE (-)		
PA41616-JX	IRON	CONSTANTAN	JX	1.25" to 1.44" KNOCKOUT
PA41616-TX	COPPER	CONSTANTAN	TX	
PA41616-SX	COPPER	ALLOY 11	SX/RX*	
PA41616-KX	CHROMEL	ALUMEL	KX	
PA41616-BX	COPPER	COPPER	BX**	
PA41616-EX	CHROMEL	CONSTANTAN	EX	
NOT AVAILABLE	NICROSIL	NISIL	NX	

* Compensating Extension Alloys used for both R and S thermocouples

** Copper used for B thermocouples or RTD's

SPECIFICATIONS

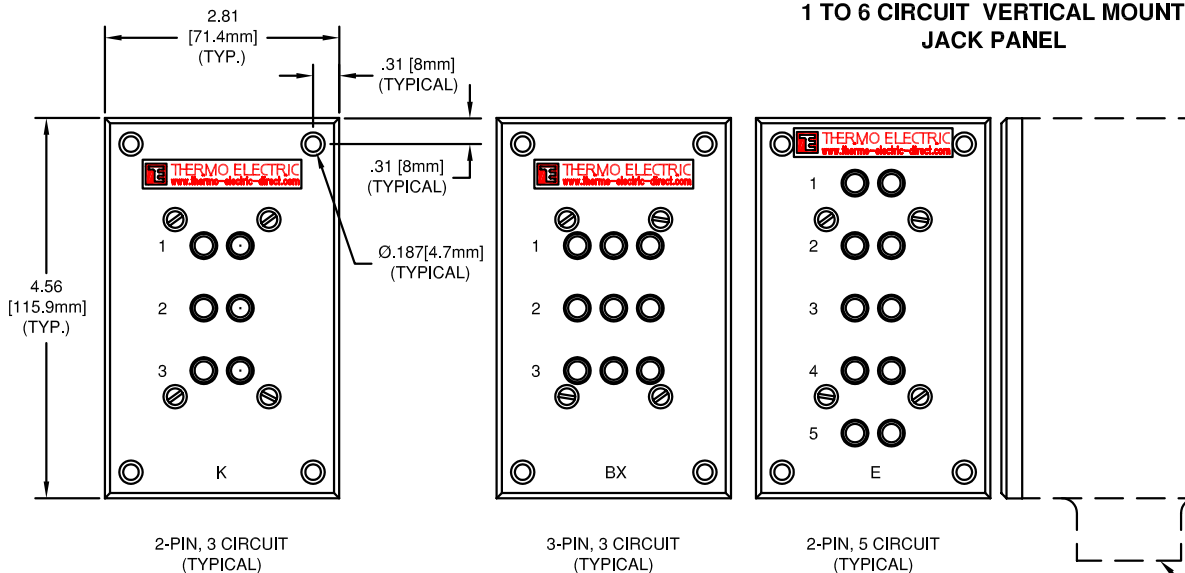
INSERTS

insert Material: Thermocouple Alloys
Polarized Pins, Marked on rear panel
Spring Loaded Inserts
Maximum Wire Diameter: .038" (20Ga)

FACE PANEL

Material: Machined Phenolic
Maximum Temperature Limit: 300°F (150°C)
Maximum Wire Diameter: .038" (20Ga)

1 TO 6 CIRCUIT VERTICAL MOUNT JACK PANEL



MATING PLUG

Standard Size 2-Pin
See Document No.
TE-SB-101606-CONN-010
Standard Size Extended Temp. Limits
See Document No.
TE-CO010109-CONN-020
Standard Size Phenolic
See Document No.
TE-CO010109-CONN-060

OPTIONAL EN1527 JUNCTION BOX
SEE DOCUMENT NO.:
TE-CO010109-PANN-070

2-PIN, 1 TO 6 CIRCUIT JACK PANEL

ORDERING CODE	NUMBER OF CIRCUITS	PANEL CUTOUT
PA42606-XX	1	2.63[67mm] x 1.63[41.4mm]
PA42607-XX	2	2.63[67mm] x 1.63[41.4mm]
PA42608-XX	3	2.63[67mm] x 1.5[38mm]
PA42609-XX	4	2.88[73mm] x 1.5[38mm]
PA42610-XX	5	3.63[92mm] x 1.5[38mm]
PA42611-XX	6	4.31[109.5mm] x 1.5[38mm]

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX**

TEFLON®/Fiberglass

These panels are also available in fiberglass reinforced TEFLON construction, both front and rear. They may be subjected to temperatures of up to 500°F(260°C). To order with Teflon/fiberglass specify "-T/G" at the end of the ordering code.

3-PIN, 1 TO 6 CIRCUIT JACK PANEL

ORDERING CODE	NUMBER OF CIRCUITS	PANEL CUTOUT
PA42612-XX	1	1.44[36.6mm] x 1.31[33.3mm]
PA42613-XX	2	2.13[54mm] x 1.63[41.4mm]
PA42614-XX	3	2.13[54mm] x 1.63[41.4mm]
PA42615-XX	4	2.88[73mm] x 1.63[41.4mm]
PA42616-XX	5	3.63[92mm] x 1.63[41.4mm]
PA42617-XX	6	4.38[11.3mm] x 1.63[41.4mm]

XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX**



SECTION PANN

PHENOLIC, 2-PIN & 3-PIN JACK PANELS
SINGLE, 1 to 6 CIRCUIT VERTICAL MOUNT

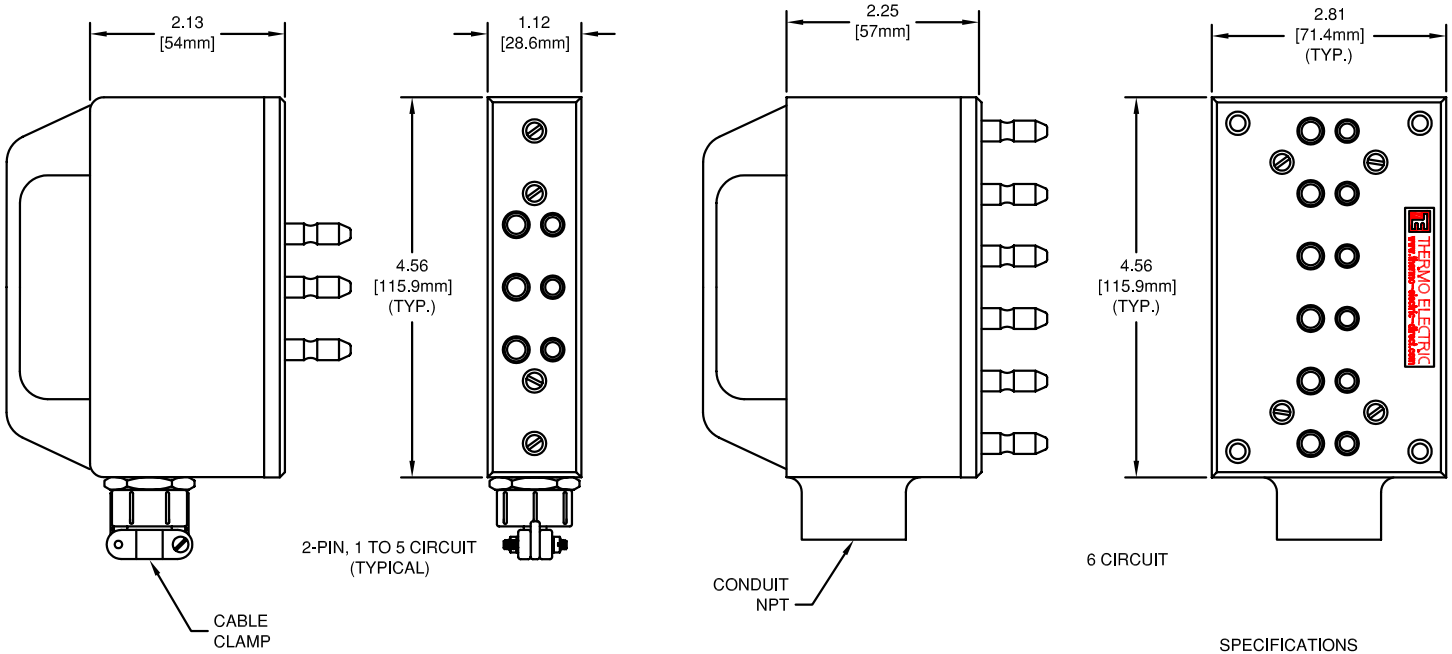
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Doc. No.: TE-CO010109-PANN-060

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THERMOCOUPLE & RTD PANELS

1 TO 6 CIRCUIT PLUG PANEL with CONDUIT BOX



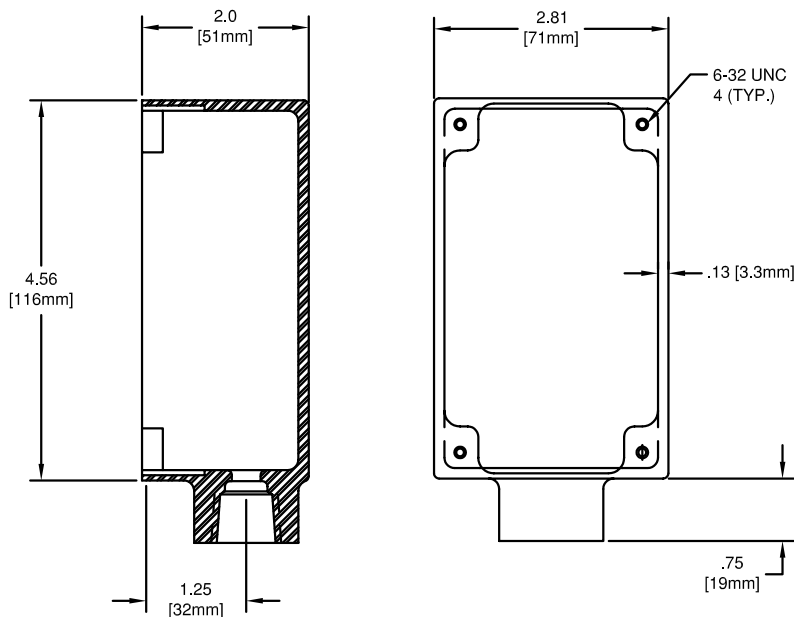
ORDERING CODE	NUMBER OF CIRCUITS
PA42501-XX	2
PA42502-XX	3
PA42503-XX	4
PA42504-XX	5
PA42505-XX	6
XX, FILL IN CALIBRATION: JX, KX, TX, SX/RX*, EX, BX**	

MATES WITH 2 TO 6 CIRCUIT 2-PIN VERTICAL MOUNT JACK PANEL
 Standard 2-Pin Aluminum
 Document No.: TE-CO010109-PANN-020
 Standard 2-Pin Phenolic
 Document No.: TE-CO010109-PANN-060

PINS
 Pin Material: Thermocouple Alloys
 Polarized Pins
 Spring Loaded Inserts
 Maximum Wire Diameter: .038" (20Ga)

FACE PANEL
 Material: Machined Phenolic
 Maximum Temperature Limit: 300°F (150°C)
 Maximum Wire Diameter: .038" (20Ga)

* Compensating Extension Alloys used for both R and S thermocouples
 ** Copper used for B thermocouples or RTD's



CONDUIT BOXES, CAST ALUMINUM

Similar to a standard FS electrical box, this rugged cast aluminum conduit box is sized to fit all of Thermo Electric's vertical mount jack panels. Connection of 1/2" or 3/4"NPT located on bottom allows for securing of wires with a cable clamp or mounting in conduit.

ORDERING CODE	NPT OPENING
EN1527-1	1/2"NPT
EN1527-2	3/4"NPT

TEFLON®/Fiberglass
 These panels are also available in fiberglass reinforced TEFLON construction, both front and rear. They may be subjected to temperatures of up to 500°F(260°C).
 To order with Teflon/fiberglass specify "-T/G" at the end of the ordering code.



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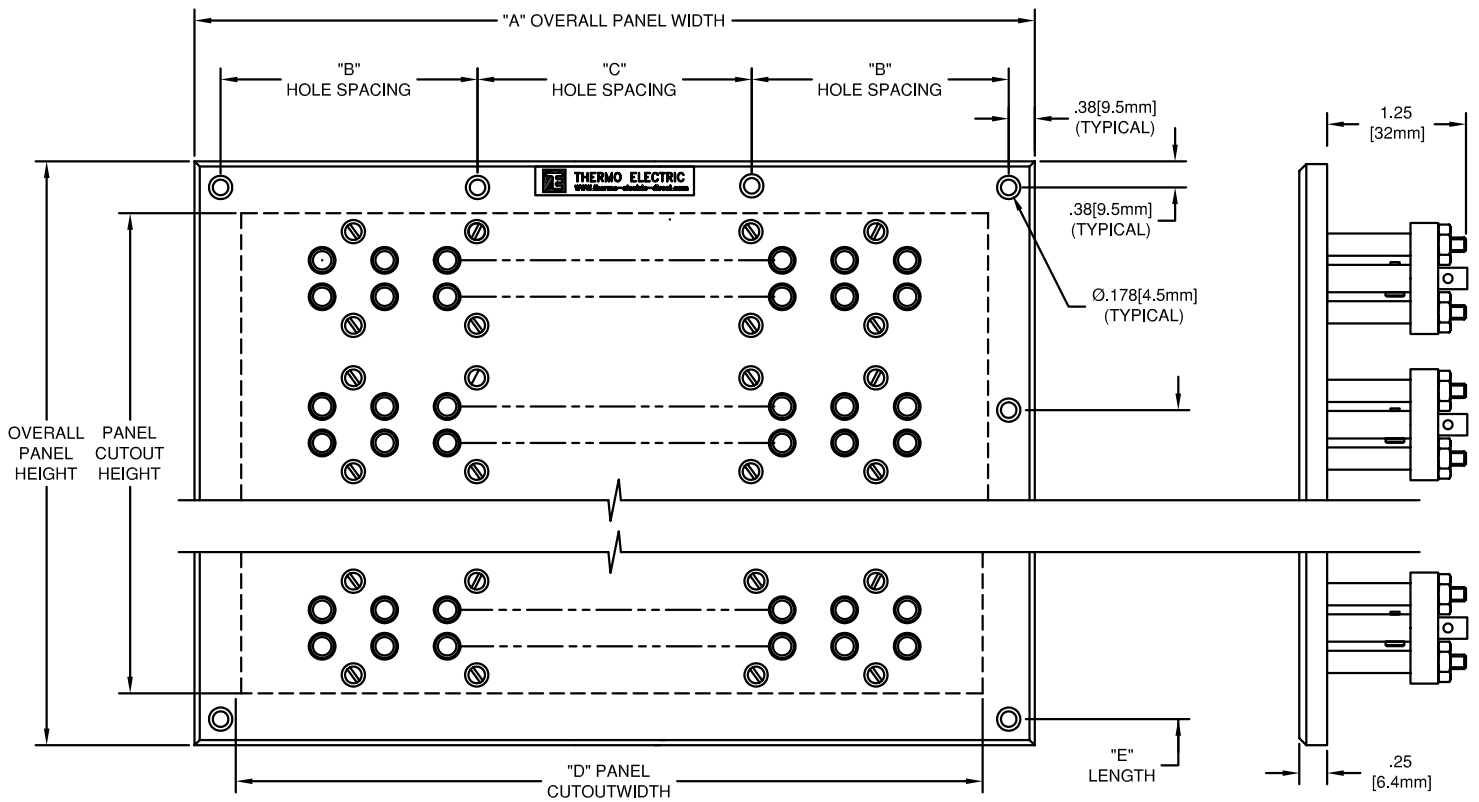
SECTION PANN

PHENOLIC, 2-PIN PLUG PANELS
 1 TO 6 CIRCUIT CONDUIT BOXES

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Doc. No.: TE-CO010109-PANN-070

THERMOCOUPLE & RTD PANELS



TEFLON®/Fiberglass

These panels are also available in fiberglass reinforced TEFLON construction, both front and rear. They may be subjected to temperatures of up to 500°F(260°C).

To order with Teflon/fiberglass specify "-T/G" at the end of the ordering code.

ORDERING CODE

PA220 - 05 - 10 - KX

CODE	NUMBER OF ROWS
	(-01, -02, -03 ... 10 MAX.)

CODE	CALIBRATION
	(JX, KX, TX, SX/RX*, EX, BX**)

CODE	NUMBER OF CIRCUITS PER ROW
	(3, 4, 5, 6 ... 25 MAX.)

DIMENSION TABLE

* Compensating Extension Alloys used for both R and S thermocouples
 ** Copper used for B thermocouples or RTD's

NUMBER of CIRCUITS PER ROW	NUMBER of ROWS										OVERALL PANEL WIDTH "A"	PANEL CUTOUT WIDTH "D"	HOLE SPACING "B"	HOLE SPACING "C"
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN				
	TOTAL NUMBER of CIRCUITS													
THREE	3	6	9	12	15	18	21	24	27	30	3.50	2.13		
FOUR	4	8	12	16	20	24	28	32	36	40	4.25	2.88		
FIVE	5	10	15	20	25	30	35	40	45	50	5.00	3.63		
SIX	6	12	18	24	30	36	42	48	54	60	5.75	4.38		
SEVEN	7	14	21	28	35	42	49	56	63	70	6.50	5.13		
EIGHT	8	16	24	32	40	48	56	64	72	80	7.25	5.88		
NINE	9	18	27	36	45	54	63	72	81	90	8.00	6.63		
TEN	10	20	30	40	50	60	70	80	90	100	8.75	7.38		
ELEVEN	11	22	33	44	55	66	77	88	99	110	9.50	8.13		
TWELVE	12	24	36	48	60	72	84	96	108	120	10.25	8.88		
THIRTEEN	13	26	39	52	65	78	91	104	117	130	11.00	9.63		
FOURTEEN	14	28	42	56	70	84	98	112	126	140	11.75	10.38		
FIFTEEN	15	30	45	60	75	90	105	120	135	150	12.50	11.13		
SIXTEEN	16	32	48	64	80	96	112	128	144	160	13.25	11.88		
SEVENTEEN	17	34	51	68	85	102	119	136	153	170	14.00	12.63		
EIGHTEEN	18	36	54	72	90	108	126	144	162	180	14.75	13.38	4.75	4.50
NINETEEN	19	38	57	76	95	114	133	152	171	190	15.50	14.13	5.00	4.75
TWENTY	20	40	60	80	100	120	140	160	180	200	16.25	14.88	5.25	5.00
TWENTY ONE	21	42	63	84	105	126	147	168	189	210	17.00	15.63	5.50	5.25
TWENTY TWO	22	44	66	88	110	132	154	176	198	220	17.75	16.38	5.75	5.50
TWENTY THREE	23	46	69	92	115	138	161	184	207	230	18.50	17.13	6.00	5.75
TWENTY FOUR	24	48	72	96	120	144	168	192	216	240	19.25	17.88	6.25	6.00
TWENTY FIVE	25	50	75	100	125	150	175	200	225	250	20.00	18.63	6.50	6.25
OVERALL PANEL HEIGHT	2.63	4.38	6.13	7.88	9.63	11.38	13.13	14.88	16.63	18.38				
PANEL CUTOUT HEIGHT	1.38	3.13	4.88	6.63	8.50	10.25	11.88	13.63	15.38	17.13				
HOLE SPACING "E"							6.63	7.06	7.94	8.81				

SPECIFICATIONS

INSERTS

Insert Material: Thermocouple Alloys
 Polarized Pins, Marked on rear panel
 Spring Loaded Inserts
 Maximum Wire Diameter: .038" (20Ga)

FACE PANEL

Material: Machined Phenolic
 Maximum Temperature Limit: 300°F (150°C)
 Maximum Wire Diameter: .038" (20Ga)

MATING PLUG

Standard Size 2-Pin Phenolic
 See Document No. TE-CO010109-CONN-060
 Standard Size 2-Pin Extended Limits
 See Document No. TE-CO010109-CONN-010
 Standard Size 2-Pin Extended Limits
 See Document No. TE-CO010109-CONN-020



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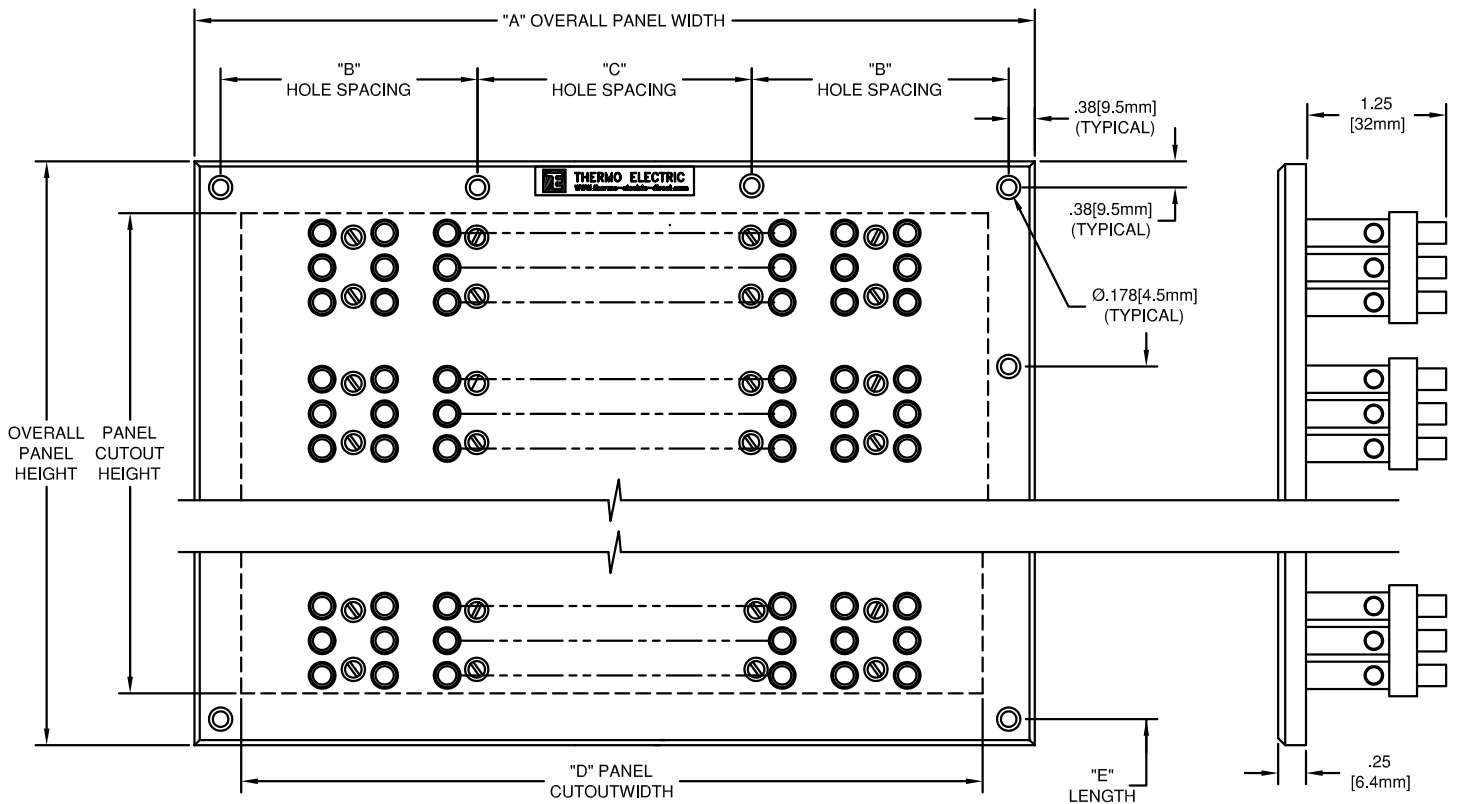
SECTION PANN

PHENOLIC, 2-PIN JACK PANELS
 MADE-TO-ORDER

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Doc. No.: TE-CO010109-PANN-080

THERMOCOUPLE & RTD PANELS



TEFLON®/Fiberglass
These panels are also available in fiberglass reinforced TEFLON construction, both front and rear. They may be subjected to temperatures of up to 500°F(260°C).
To order with Teflon/fiberglass specify "T/G" at the end of the ordering code.

ORDERING CODE

PA296 - 05 - 10 - KX

CODE	NUMBER OF ROWS
	(-01, -02, -03 ... 9 MAX.)

CODE	CALIBRATION
	(JX, KX, TX, SX/RX*, EX, BX**)

CODE	NUMBER OF CIRCUITS PER ROW
	(3, 4, 5, 6 ... 25 MAX.)

DIMENSION TABLE

* Compensating Extension Alloys used for both R and S thermocouples
** Copper used for B thermocouples or RTD's

NUMBER of CIRCUITS PER ROW	NUMBER of ROWS									OVERALL PANEL WIDTH "A"	PANEL CUTOUT WIDTH "D"	HOLE SPACING "B"	HOLE SPACING "C"
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE				
	TOTAL NUMBER of CIRCUITS												
THREE	3	6	9	12	15	18	21	24	27	3.50	2.13		
FOUR	4	8	12	16	20	24	28	32	36	4.25	2.88		
FIVE	5	10	15	20	25	30	35	40	45	5.00	3.63		
SIX	6	12	18	24	30	36	42	48	54	5.75	4.38		
SEVEN	7	14	21	28	35	42	49	56	63	6.50	5.13		
EIGHT	8	16	24	32	40	48	56	64	72	7.25	5.88		
NINE	9	18	27	36	45	54	63	72	81	8.00	6.63		
TEN	10	20	30	40	50	60	70	80	90	8.75	7.38		
ELEVEN	11	22	33	44	55	66	77	88	99	9.50	8.13		
TWELVE	12	24	36	48	60	72	84	96	108	10.25	8.88		
THIRTEEN	13	26	39	52	65	78	91	104	117	11.00	9.63		
FOURTEEN	14	28	42	56	70	84	98	112	126	11.75	10.38		
FIFTEEN	15	30	45	60	75	90	105	120	135	12.50	11.13		
SIXTEEN	16	32	48	64	80	96	112	128	144	13.25	11.88		
SEVENTEEN	17	34	51	68	85	102	119	136	153	14.00	12.63		
EIGHTEEN	18	36	54	72	90	108	126	144	162	14.75	13.38	4.75	4.50
NINETEEN	19	38	57	76	95	114	133	152	171	15.50	14.13	5.00	4.75
TWENTY	20	40	60	80	100	120	140	160	180	16.25	14.88	5.25	5.00
TWENTY ONE	21	42	63	84	105	126	147	168	189	17.00	15.63	5.50	5.25
TWENTY TWO	22	44	66	88	110	132	154	176	198	17.75	16.38	5.75	5.50
TWENTY THREE	23	46	69	92	115	138	161	184	207	18.50	17.13	6.00	5.75
TWENTY FOUR	24	48	72	96	120	144	168	192	216	19.25	17.88	6.25	6.00
TWENTY FIVE	25	50	75	100	125	150	175	200	225	20.00	18.63	6.50	6.25
OVERALL PANEL HEIGHT	3.06	5.25	7.44	9.63	11.81	14.00	16.19	18.38	20.56				
PANEL CUTOUT HEIGHT	1.82	4.00	6.19	8.38	10.56	12.75	14.94	17.13	19.31				
HOLE SPACING "E"						6.63	7.71	8.81	9.91				

SPECIFICATIONS

INSERTS

Insert Material: Thermocouple Alloys
Polarized Pins, Marked on rear panel
Spring Loaded Inserts
Maximum Wire Diameter: .038" (20GA)

FACE PANEL

Material: Machined Phenolic
Maximum Temperature Limit: 300°F (150°C)
Maximum Wire Diameter: .038" (20GA)

MATING PLUG

Standard Size 3-Pin
See Document No.
TE-CO010109-CONN-040



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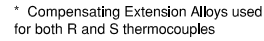
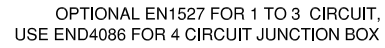
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PHENOLIC, 3-PIN JACK PANELS
MADE-TO-ORDER

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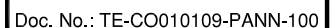
1 TO 4 CIRCUIT VERTICAL MOUNT JACK PANEL



Color Dot Identification: ANSI-MC96
Pin & Insert Material: Thermocouple Alloys
Body Material: High Strength Ceramic
Polarized Pins
Spring Loaded Inserts
Maximum Temperature Limit: 1200°F (650°C)
Maximum Wire Diameter: .079" (14Ga)

MATING PLUG
Standard Size 2-Pin
See Document No. TE-CO010109-CONN-070

NUMBER of CIRCUITS PER ROW	NUMBER of ROWS							OVERALL PANEL WIDTH	PANEL CUTOUT WIDTH
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN		
	TOTAL NUMBER of CIRCUITS								
THREE	3	6	9	12	15	18	21	4.00	3.00
FOUR	4	8	12	16	20	24	28	5.00	4.00
FIVE	5	10	15	20	25	30	35	6.00	5.00
SIX	6	12	18	24	30	36	42	7.00	6.00
SEVEN	7	14	21	28	35	42	49	8.00	7.00
EIGHT	8	16	24	32	40	48	56	9.00	8.00
NINE	9	18	27	36	45	54	63	10.00	9.00
TEN	10	20	30	40	50	60	70	11.00	10.00
ELEVEN	11	22	33	44	55	66	77	12.00	11.00
TWELVE	12	24	36	48	60	72	84	13.00	12.00
THIRTEEN	13	26	39	52	65	78	91	14.00	13.00
FOURTEEN	14	28	42	56	70	84	98	15.00	14.00
FIFTEEN	15	30	45	60	75	90	105	16.00	15.00
SIXTEEN	16	32	48	64	80	96	112	17.00	16.00
SEVENTEEN	17	34	51	68	85	102	119	18.00	17.00
OVERALL PANEL HEIGHT	2.63	4.38	6.13	7.88	9.63	11.38	13.13		
PANEL CUTOUT HEIGHT	1.81	3.56	5.31	7.06	8.81	10.56	12.31		



INTRODUCTION

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Doc. No.: TE-CO062916-INTR-020