

Quik-Konnect Thermocouple Components

Specification

Features

- Color-coded plugs and jacks
- Fast, easy connection of thermocouples
- Assured continuity from thermocouple to instrument
- All components keyed for proper polarity

Quik-Konnect Plugs and Jacks

Plug and jack bodies are made of colored glass reinforced polyester compound. Body sides are ribbed for easy gripping. Thermocouple calibration is molded into the body.

Body Color

In accordance with ISA and ANSI thermocouple extension wire color codes.

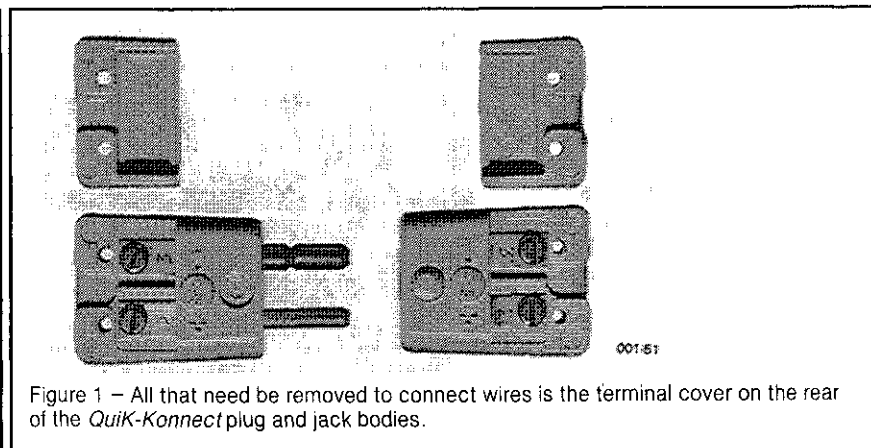


Figure 1 — All that need be removed to connect wires is the terminal cover on the rear of the Quik-Konnect plug and jack bodies.

Temperature Rating

Color fast at temperatures to 149°C

(300°F). Will withstand ambients to 205°C (400°F).

Dimensions:

millimetres
inches

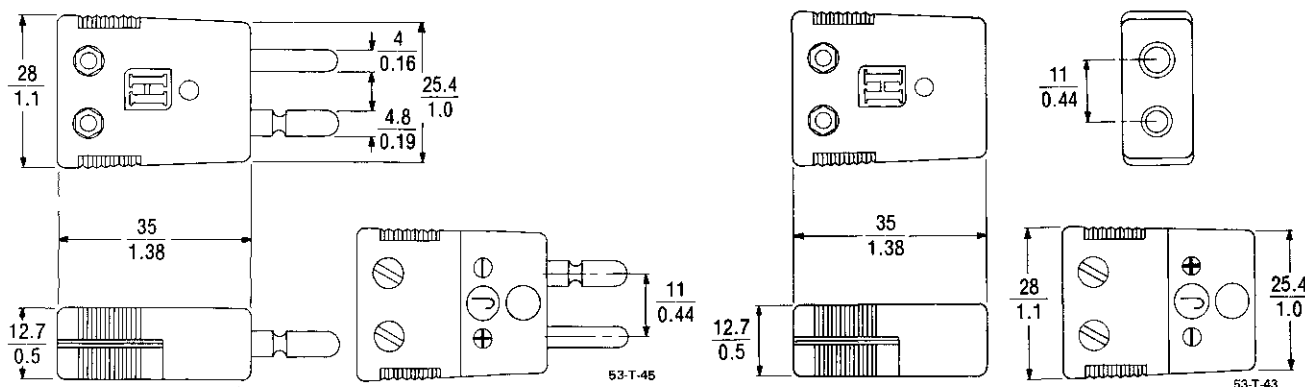


Figure 2 — Dimensions of Plug and Jack Bodies

TABLE 1 - Quik-Konnect Plugs and Jacks Ordering Information

Part Number		Body Color	Thermocouple Type	Accessories	
Plug	Jack			Description	Part No.
30728096-1	30728097-1	Black	J—(Iron-Constantan)	Idento Discs numbered 1 through 10	30721434-1
30728096-3	30728097-3	Green	R-S—(Platinum Rhodium-Platinum)	Idento Discs numbered 11 through 25	30721434-2
30728096-4	30728097-4	Blue	T—(Copper-Constantan)	Idento Discs numbered 26 through 50	30721434-3
30728096-5	30728097-5	Yellow	K—(Chromel-Alumel*)	Idento Discs numbered 51 through 75	30721434-4
30728096-6	30728097-6	Brown	UN—(Uncompensated; copper-copper)	Idento Discs numbered 76 through 100	30721434-5
30728096-8	30728097-8	Purple	E—(Chromel-Constantan)	1/16 inch O.D. Tube Adapter	30721653-1
				1/8 inch O.D. Tube Adapter	30721653-2
				3/16 inch O.D. Tube Adapter	30721653-3
				1/4 inch O.D. Tube Adapter	30721653-4
				Cable Clamp	30721652

*Trademark, Hoskins Manufacturing Co.

Accessories (Options)

See Table 1.

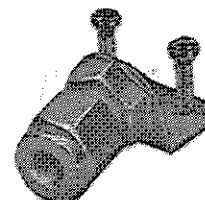
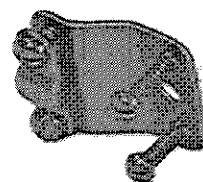
Identos: Aluminum idento discs for numbering matching plugs and jacks. Discs can be pressed into a cavity next to the calibration designation.

Tube Adapters: Used to attach plugs and jacks to Megopak material and other small diameter tubing. Four sizes to fit 1/16, 1/8, 3/16 and 1/4 inch tubing. See Figure 3.

Cable Clamp: To attach insulated wire to plug and jack. Protects wire from fraying or breaking. Maximum wire size is 16 ga.

Multipoint *QuiK-Strips*

Plug receptacle is made from Bakelite for temperatures to 149°C (300°F). Supplied with 2, 4, 6, 8, 10 or 12 points. (See Figure 4.) Can be cut to exact number of points desired.



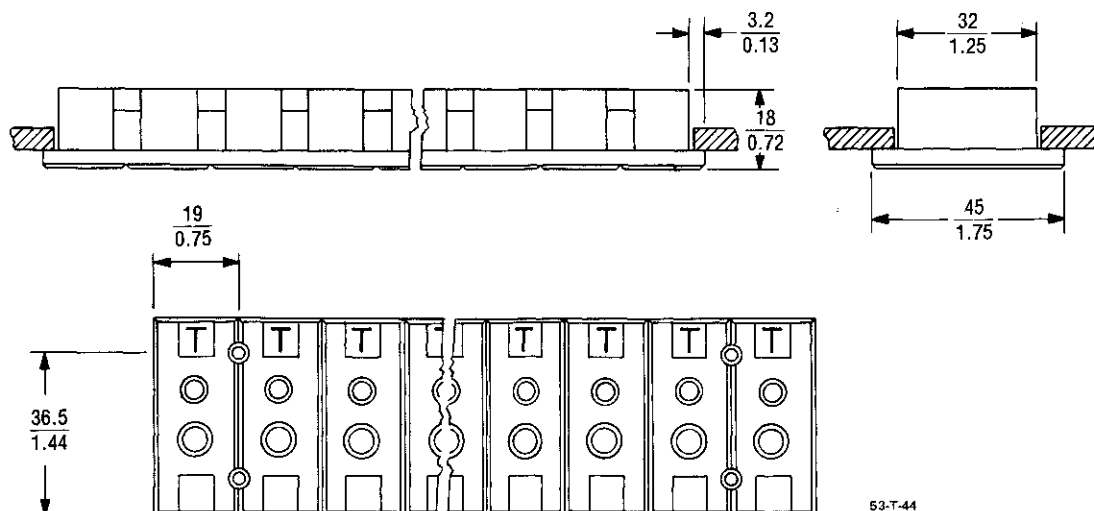
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Figure 3 – Cable Clamp and Tube Adaptor



001-37

Figure 4 – The multipoint *QuiK-Strip* is an easily installed, compact board, suitable for applications which require 2 to 12 panel mounted outlets. Horizontal mounting shown.



53-T-44

Figure 5 – Dimensions of the Multipoint *QuiK-Strip*

Calibration

Choice of type – J, K, R-S, T, UN or E, or with calibration intermixed. Supplied with pressure sensitive lettered tabs showing calibration of each point. See Table 2 for ordering information.

Numeral Tabs

For attachment after installation to identify the points. Number tabs 1 to 12 supplied with each *QuiK-Strip*. Available in multiples of 12 up to 192. See Table 3.

Dimensions

See Figure 5.

QuiK-Kord Cable Assembly

See Figure 6.

Consists of two plugs connected to a length of insulated extension wire of Type J, K or T. Standard lengths are 24" to 60" in 6" increments.

Ordering Information

Specify: Part No. 30372757
Calibration and length desired.

TABLE 2 – Ordering Information for Multipoint *QuiK-Strips*

No. of Points	Part Number	Calibration					
		J	R-S	T	K	UN	E
2	30722283	-1	-13	-19	-25	-31	-37
4	30722283	-2	-14	-20	-26	-32	-38
6	30722283	-3	-15	-21	-27	-33	-39
8	30722283	-4	-16	-22	-28	-34	-40
10	30722283	-5	-17	-23	-29	-35	-41
12	30722283	-6	-18	-24	-30	-36	-42

Tab number if over 12 points. Horizontal or vertical mounting. ORDERING EXAMPLE 30722283-22 is an 8 point *QuiK-Strip* with Type T calibration for vertical mounting.



001-219

Figure 6 – The *QuiK-Kord* – Two plugs and a length of insulated extension wire make a handy connector when frequent changes between instruments and thermocouple must be made.

Multipoint *QuiK-Panel*

A *QuiK-Panel* consists of one or several *QuiK-Strips* in a black anodized aluminum frame suitable for panelboard mounting. See Figure 7. These *QuiK-Panels* are available with the strips mounted either horizontally or vertically. There are no limitations to the number of points or the intermixing of calibrations. However, the total number of points must be evenly divisible by the number of rows.

Identifying Numbers

Each point is marked with calibration type on both front and back of panel. Identifying numbers from 1 to 200 are available. See Table 3.

Mounting Dimensions

Horizontal Mounting: Overall panel dimensions are calculated as follows:

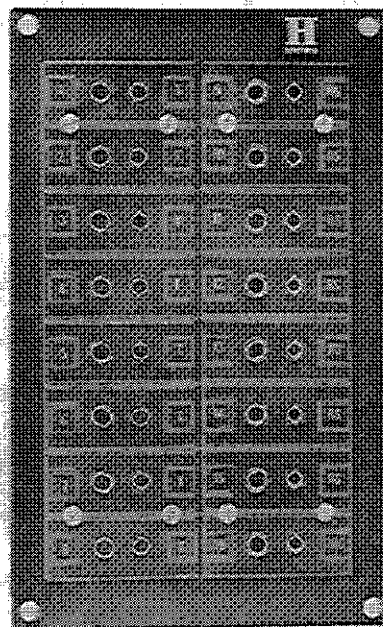
$$\text{Overall height} = \text{No. of rows} \times 44.4 + 21.4 \text{ mm (1.75'' + 0.84'')}$$

$$\text{Overall width} = \text{No. of points} \times 19 + 31.8 \text{ mm (0.75'' + 1.25'')}$$

Vertical Mounting: Reverse height and width.

Ordering Information

Specify: Part No. 30722395



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Figure 7 – Multipoint *QuiK-Panel* showing 2 eight point *QuiK-Strips* mounted vertically

Four-Point *QuiK-Panel*

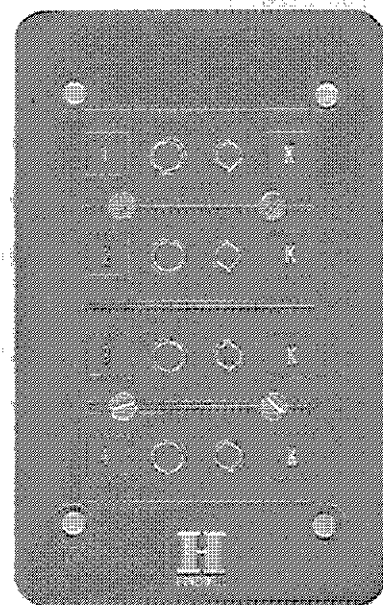
Designed to mount on standard electrical outlet box. Consists of four points of a *QuiK-Strip* mounted on a 3.2 mm black anodized aluminum frame measuring 70 x 114 mm (2.75" x 4.5").

Ordering Information

Specify:

- 30372756-1 – Type J
- 30721477-5 – Type K
- 30721477-3 – Type R-S
- 30721477-4 – Type T
- 30721477-6 – Type UN
- 30721477-7 – Type E

Horizontal or vertical mounting.



001-32

Figure 8 – Constructed to mount on a standard outlet box, the Four-Point *QuiK-Panel* can be quickly and simply installed. Vertical mounting shown.

Single-Point Quik-Panel

Designed to fit in a 3/4" conduit opening in an instrument case or for a single panel-mounted outlet. Nickel-plated bracket and plate. See Figure 9.

Ordering Information

Specify:

- 30372756-1 – Type J
- 303721477-5 – Type K
- 303721477-3 – Type R-S
- 303721477-4 – Type T
- 303721477-6 – Type UN
- 303721477-7 – Type E

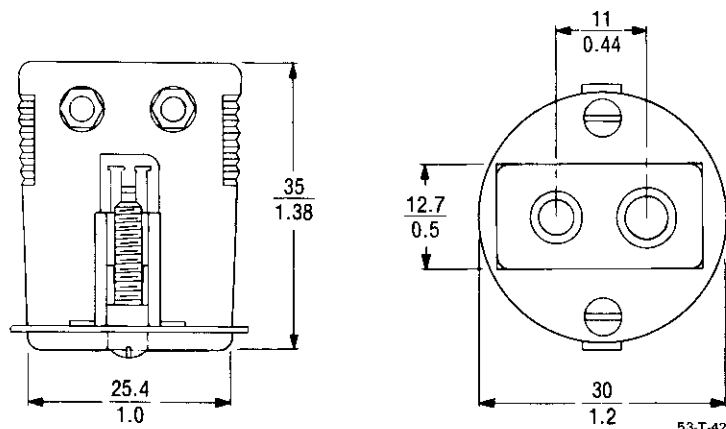


Figure 9 – Dimensions of Single-Point Quik-Panel

TABLE 3 - Numeral Identos for Quik-Strips and Quik-Panels

Part Number	Numbered	Used on
30722280-1	1 to 100	Front of Panel
30722280-2	101 to 200	
30722281-1	1 to 100	Back of Panel
30722281-2	101 to 200	

Honeywell International

Sales and Service offices in all principal cities of the world.

For more information write to

Honeywell, 1100 Virginia Drive, Fort Washington, Penna. 19034.

In Canada,

Honeywell Limited, 155 Gordon Baker Road, Willowdale, Ontario M2H 3N7.

Specifications are subject to change without notice.