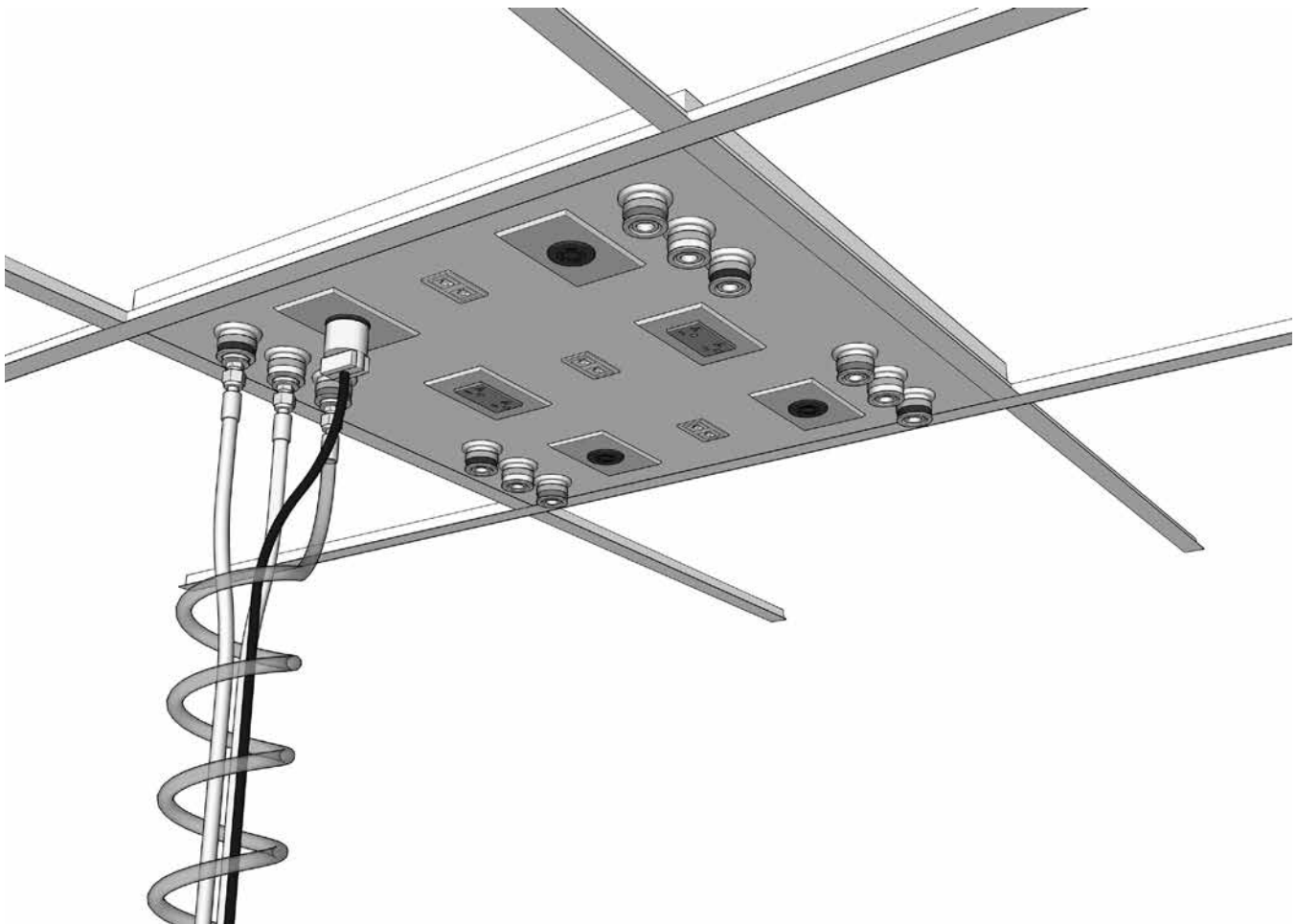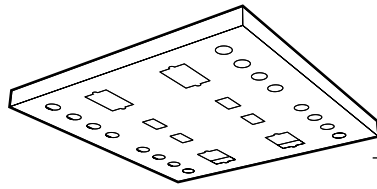# Ceiling Service Panel

Features:

- Designed to integrate into common ceiling grids for delivering plumbing, electrical, and data services to the lab bench

- Fits in standard 2' x 2' and 2' x 4' ceiling grids

- Electrical devices are UL listed.

- Available in all standard powder coat finish colors

- May be customized to meet your project requirements

- Accommodates multiple lab services including:
  - Common gases, air, vacuum, and water
  - High purity and special gases
  - Power and data

- Accepts multiple fitting options including:
  - Standard or fine control valves
  - Pressure gauges and regulators
  - Quick-connect fittings
 - Communication and data outlets
  - Electrical service outlets

Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.

Ceiling Service Panel
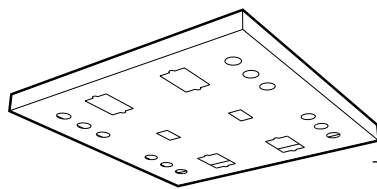
Typical Ceiling Panel Layouts

Six Station – 2' x 4' panel

Six groups of 4 service cutouts
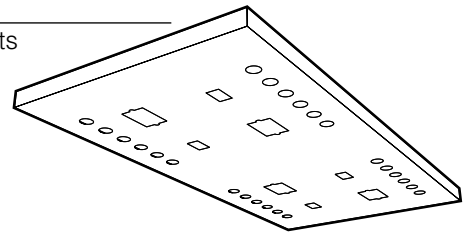Six power receptacle cutouts
Four data outlet cutouts
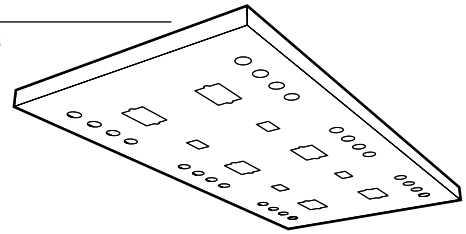
Four Station – 2' x 2' panel

Four groups of 4 service cutouts
Four power receptacle cutouts
Four data outlet cutouts

Four Station – 2' x 4' panel

Four groups of 6 service cutouts
Four power receptacle cutouts
Four data outlet cutouts

Four Station – 2' x 2' panel

Four groups of 3 service cutouts
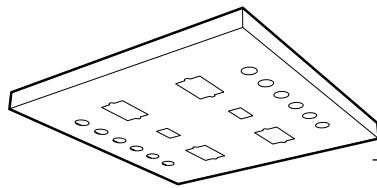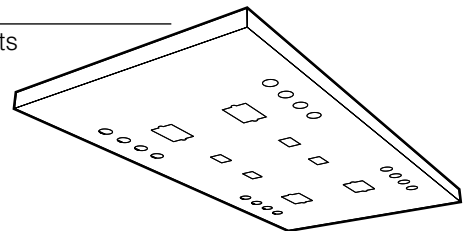Four power receptacle cutouts
Two data outlet cutouts

Four Station – 2' x 4' panel

Four groups of 4 service cutouts
Four power receptacle cutouts
Four data outlet cutouts

Two Station – 2' x 2' panel

Two groups of 6 service cutouts
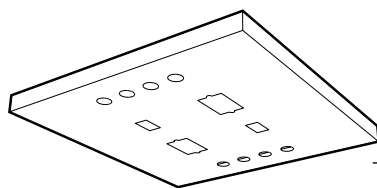Four power receptacle cutouts
Two data outlet cutouts

Two Station – 2' x 4' panel

Two groups of 6 service cutouts
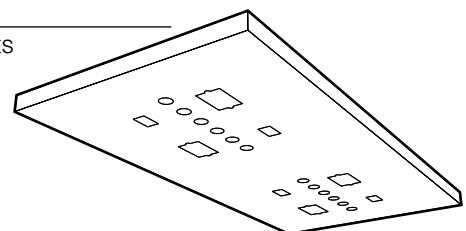Four power receptacle cutouts
Four data outlet cutouts

Two Station – 2' x 2' panel

Two groups of 4 service cutouts
Two power receptacle cutouts
Two data outlet cutouts

Two Station – 2' x 4' panel

Two groups of 4 service cutouts
Two power receptacle cutouts
Two data outlet cutouts

One Station – 2' x 2' panel

One group of 6 service cutouts
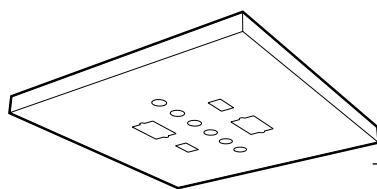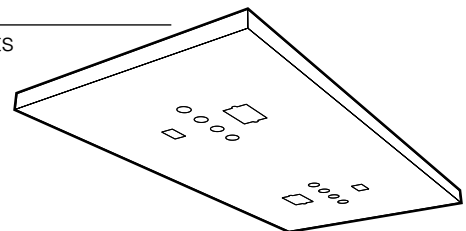One power receptacle cutout
One data outlet cutout

Illustrations and specifications are based on most current design and production information available. Kewaunee reserves the right to make changes at any time without notice.

EW-10/15-**57**

![KEWAUNEE Scientific Corporation]

# Ceiling Service Panel Accessories

Specifications:

Ceiling Service Panels are fabricated from powder coat 18 gauge steel in two sizes to fit standard ceiling grid. They can be punched to accept most electrical, data, or service fittings. (see pages 74 and 75 for Ceiling Service Panel Technical Data Sheets)

Fittings and Fixtures must be ordered separately

Electrical Fixtures are furnished complete with device, box and cover plate and are supplied loose, uninstalled.
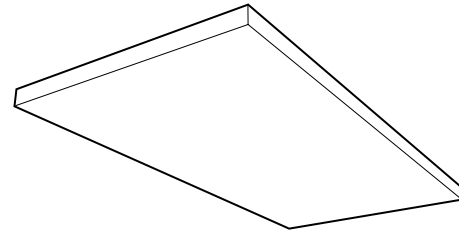
Power Cords are required to carry power from the overhead service carriers to the support frame. The SJ 12/3 and SJ 12/4 cords are available in various configurations.
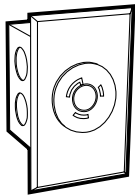
24" x 24" Ceiling Service Panel
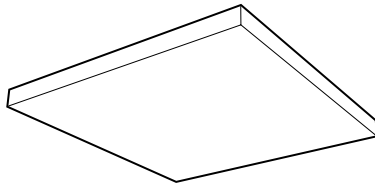
Part Number	Dimensions (HxDxL)
SC10M022424-00	1½" x 24" x 24"

24" x 48" Ceiling Service Panel

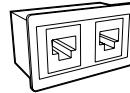| Part Number	Dimensions (HxDxL)
SC10M022448-00	1½" x 24" x 48"

Electrical Fixtures

Twist-Lock Single-circuit 20 amp

0620-1K Black

NEMA L5-20 3-wire, specification grade, 120 VAC, 20 amp, single receptacle.

Dual-circuit Twist-Lock 20 amp

0624-1K Black

NEMA L14-20 4-wire, specification grade receptacle. Capable of carrying two 120 VAC, 20 amp circuits.
Note: Check local electrical codes for compliance.

Data/Comm Outlet

0720-0K Black
0720-0V Ivory

(2) RJ45 Outlets. Fits in 1¼" x 2" cutout.

Power Cords
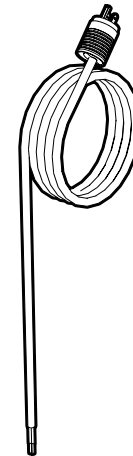
Single-circuit 3-wire
120 VAC — 20A — NEMA L5-20

Part Number	Length	Plug Type
W-5622-36	36"ATOP	Twist-Lock
W-5622-48	48"ATOP	Twist-Lock
W-5622-60	60"ATOP	Twist-Lock
W-5622-72	72"ATOP	Twist-Lock
W-5622-96	96"ATOP	Twist-Lock

Dual-circuit 4-wire
120 VAC — 20A — NEMA L14-20

Part Number	Length	Plug Type
W-5624-36	36"ATOP	Twist-Lock
W-5624-48	48"ATOP	Twist-Lock
W-5624-60	60"ATOP	Twist-Lock
W-5624-72	72"ATOP	Twist-Lock
W-5624-96	96"ATOP	Twist-Lock

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Scientific Corporation

Ceiling Service Panel Accessories

Specifications:

**Service Hoses** are required to carry services from overhead service carriers to the support frame. They are available in reinforced PVC, polyurethane, or braided stainless steel.

Keyed Quick-Connect Fittings are available for Hoses and Internal Service Tubes to ease service connection and disconnection during bench relocation. They are available in eight sizes (keys) which keeps service outlets from being connected to the wrong service.
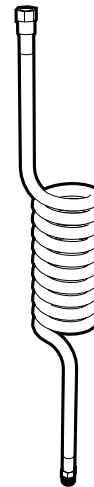
Extension Service Hoses
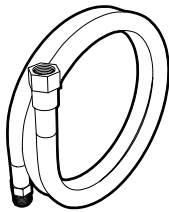
Reinforced PVC Hose
for Non-burning Gases
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number
36"	**W-1133-36**
48"	**W-1133-48**
60"	**W-1133-60**
72"	**W-1133-72**
96"	**W-1133-96**

Braided Stainless Steel Hose
for Natural & Reactive Gases
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number
36"	**W-1233-36**
48"	**W-1233-48**
60"	**W-1233-60**
72"	**W-1233-72**
96"	**W-1233-96**

Coiled Polyurethane Hose
for Non-burning Gases
3/8" IPS Female Inlet — 3/8" IPS Male Outlet

Length	Part Number
72"	**W-1533-72**

Keyed Quick-Connect Fittings

for use on Service Hoses

for use on Service Hoses

for use on Ceiling Service Panels

Male Hose Mount
3/8" IPS Male

Part Number	Key Color
W-8111-K1	Black
W-8111-K2	Orange
W-8111-K3	Green
W-8111-K4	Yellow
W-8111-K5	Blue
W-8111-K6	White
W-8111-K7	Purple
W-8111-K8	Brown
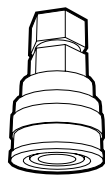
Female Hose Mount
3/8" IPS Female

Part Number	Key Color
W-9112-K1	Black
W-9112-K2	Orange
W-9112-K3	Green
W-9112-K4	Yellow
W-9112-K5	Blue
W-9112-K6	White
W-9112-K7	Purple
W-9112-K8	Brown
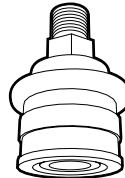
Female Panel Mount
3/8" IPS Male

Part Number	Key Color
W-9122-K1	Black
W-9122-K2	Orange
W-9122-K3	Green
W-9122-K4	Yellow
W-9122-K5	Blue
W-9122-K6	White
W-9122-K7	Purple
W-9122-K8	Brown

Key Number and Color Code	Standard Service	Female Body Sleeve Dia.		Male Body Sleeve Dia.	
		in.	mm	in	mm
K1 Black	Helium	1.13	28.7	0.99	25.1
K2 Orange	Air	1.16	29.5	1.02	25.8
K3 Green	Water	1.19	30.2	1.05	26.6
K4 Yellow	Vacuum	1.22	31.0	1.08	27.4
K5 Blue	Gas	1.24	31.5	1.11	28.1
K6 White	—	1.28	32.5	1.14	28.9
K7 Purple	Argon	1.31	33.3	1.17	29.7
K8 Brown	Nitrogen	1.34	34.0	1.20	30.4

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