

# Remote Output Panel Kit

Engine Drive Accessories 

## Quick Specs

### Industrial Applications

Service trucks  
Sign trucks  
MRO  
Mobile fabrication

### Dimensions (H x W x D)

**Auxiliary power remote panel**  
7.3 x 10 x 5.5 in. (185.4 x 254 x 139.7 mm)  
**Weld output remote panel**  
6.5 x 9 x 2.6 in. (165.1 x 228.6 x 66 mm)

### Weight

**Auxiliary power remote panel** 4 lb. (1.8 kg)  
**Weld output remote panel** 3 lb. (1.4 kg)

**Auxiliary power remote panel** comes with two 120-volt 20-amp GFCI duplex receptacles, one 120/240-volt 50-amp receptacle (NEMA 14-50R), and two 120-volt circuit breakers (all single-phase), along with an internal terminal strip for easy connection. Also comes with a 90-degree 120/240-volt 50-amp plug connector (NEMA 14-50P) to make connection at the engine drive.



Auxiliary power remote panel with covers open



**Remote output panel kit is recommended for use with the following Miller® engine drives:**

- Bobcat™ 200 Air Pak™
- Bobcat™ 225
- Bobcat™ 250
- Bobcat™ 260
- Trailblazer® 325
- Trailblazer® 302 Air Pak™
- Big Blue® 400 Pro and PipePro®
- Big Blue® 500 Pro
- Big Blue® 600 Pro and Air Pak™
- Big Blue® 800 Duo Pro and Duo Air Pak™

**Weld output remote panel** comes with 1/2-inch threaded stud weld output terminals with external covers.



Weld output remote panel side view



**Improve safety** by mounting engine drive output panels at point of use so operators minimize the need to climb onto the truck.

**Optimize payload space** by relocating engine drive to a convenient spot, while still having outputs at point of use.

**Maximize efficiency** by not having to climb onto truck to utilize auxiliary power and weld connections.



Warranted for 90 days, parts and labor.



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# Weld Cable Sizing

**Note:** This chart is a general guideline and may not suit all applications. If cable overheats, use next size larger cable.

The Total Cable Length in Weld Circuit (see table below) is the combined length of both weld cables. For example, if the power source is 100 feet (30 m) from the workpiece, the total cable length in the weld circuit is 200 feet (2 cables x 100 feet). Use the 200-foot (60 m) column to determine cable size.

Weld Cable Size* and Total Cable (Copper) Length in Weld Circuit Not Exceeding**								
	100 ft. (30 m) or Less		150 ft. (45 m)	200 ft. (60 m)	250 ft. (70 m)	300 ft. (90 m)	350 ft. (105 mm)	400 ft. (120 m)
Welding Amperes	10–60% Duty Cycle AWG (mm <sup>2</sup> )	60–100% Duty Cycle AWG (mm <sup>2</sup> )	10–100% Duty Cycle AWG (mm <sup>2</sup> )					
	100	4 (20)	4 (20)	4 (20)	3 (30)	2 (35)	1 (50)	1/0 (60)
150	3 (30)	3 (30)	2 (35)	1 (50)	1/0 (60)	2/0 (70)	3/0 (95)	3/0 (95)
200	3 (30)	2 (35)	1 (50)	1/0 (60)	2/0 (70)	3/0 (95)	4/0 (120)	4/0 (120)
250	2 (35)	1 (50)	1/0 (60)	2/0 (70)	3/0 (95)	4/0 (120)	2x2/0 (2x70)	2x2/0 (2x70)
300	1 (50)	1/0 (60)	2/0 (70)	3/0 (95)	4/0 (120)	2x2/0 (2x70)	2x3/0 (2x95)	2x3/0 (2x95)
350	1/0 (60)	2/0 (70)	3/0 (95)	4/0 (120)	2x2/0 (2x70)	2x3/0 (2x95)	2x3/0 (2x95)	2x4/0 (2x120)
400	1/0 (60)	2/0 (70)	3/0 (95)	4/0 (120)	2x2/0 (2x70)	2x3/0 (2x95)	2x4/0 (2x120)	2x4/0 (2x120)
500	2/0 (70)	3/0 (95)	4/0 (120)	2x2/0 (2x70)	2x3/0 (2x95)	2x4/0 (2x120)	3x3/0 (3x95)	3x3/0 (3x95)
600	3/0 (95)	4/0 (120)	2x2/0 (2x70)	2x3/0 (2x95)	2x4/0 (2x120)	3x3/0 (3x95)	3x4/0 (3x120)	3x4/0 (3x120)
700	4/0 (120)	2x2/0 (2x70)	2x3/0 (2x95)	2x4/0 (2x120)	3x3/0 (3x95)	3x4/0 (3x120)	3x4/0 (3x120)	4x4/0 (4x120)
800	4/0 (120)	2x2/0 (2x70)	2x3/0 (2x95)	2x4/0 (2x120)	3x4/0 (3x120)	3x4/0 (3x120)	4x4/0 (4x120)	4x4/0 (4x120)

\*Weld cable size (AWG) is based on either a 4 volts or less drop or a current density of at least 300 circular mils per ampere. ( ) = mm<sup>2</sup> for metric use.

\*\*For distances longer than those shown in this guide, see AWS Fact Sheet No. 39, Welding Cables, available from the American Welding Society at <http://www.aws.org>.

Complete parts list available at [MillerWelds.com](http://MillerWelds.com).

# Mounting and Cable Specifications

**Auxiliary Power Remote Panel**

Rear view

4 mounting holes

Optional rear cable exit

A, B, C

**Weld Output Remote Panel**

4 mounting holes

D, E, F, G, H, I, J

**Mounting Specs**

- A. 3 in. (76 mm)
- B. 8.5 in. (216 mm)
- C. .218 in. (5.5 mm) dia.
- D. 5.5 in. (138 mm)
- E. 5 in. (127 mm)
- F. .25 in. (6.4 mm)
- G. .375 in. (9.4 mm)
- H. 7.25 in. (184 mm)
- I. 8 in. (203 mm)
- J. .218 in. (5.5 mm) dia.

**Specs for Customer-Supplied Cables for Auxiliary Power Remote Panel**

- Number of Conductors:** 4
- Conductor Size:** 6 AWG
- Maximum Conductor Length:** 92 feet (28 m)
- Flexible Cord Diameter Range:** 0.87 to 1.26 in. (22 to 32 mm)
- Flexible Cord Type:** SO

# Ordering Information

Equipment	Stock No.	Description	Qty.	Price
Remote Output Panel Kit	951850	Includes auxiliary power remote panel and weld output remote panel		
Common Weld Cable Adapters	218678	Adapter, threaded stud to Tweco-style (stud hole diameter 5/8 in.)		
	232728	Adapter, threaded stud to Dinse-style (stud hole diameter 1/2 in.)		

Date: \_\_\_\_\_ Total Quoted Price: \_\_\_\_\_

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