

# STRAND ARC RESISTANCES

## PARALLEL TYPE

The resistances shown on page 47 can be divided into a number of circuits controllable by separate switches, prices being calculated as follows :—

The price of a single circuit resistance of the total load required should be taken from page 47 and the following additions made.

				Terminals only	Including enclosed Knife Switches.	
				s. d.	£	s. d.
For each circuit	10-20 amps.	...	...	5 6	...	0 16 9
„	„ 21-40	„	...	6 6	...	1 0 0
„	„ 41-60	„	...	7 6	...	1 3 6

Parallel type resistances fitted with contactors for operation from remote control panels (see page 86) can be supplied to order.

## IMPORTANT

Generally the voltage across a hand fed Arc is 45 to 50, but in view of the fact that many different types are in general use some burning satisfactorily with 30 volts across the carbons, whereas others require 70 volts, it is advisable in all cases to ascertain and specify the voltage recommended by the makers.

It is also important that the voltage of supply be kept constant at all loads and the carbons correctly adjusted. Inattention to these points can cause serious overheating and possibly breakdown, especially with low voltage resistances.

The difference between voltage of supply and voltage across arc is the voltage absorbed in the resistance on which basis our prices are calculated.

It is not advisable to fix resistances in confined spaces or close to ceilings, free ventilation being essential.

Parallel type resistances with knife or contactor switches should always be used for heavy currents and for high voltages.

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