

**DESCRIPTION:** Single Phase, Zero Fired Control  
**APPLICATION:** Constant Resistance Loads

100% Power Factor  
No Harmonics

Model Number	Fuse Amps	kVA @ Max Rated Volts	Open Chassis Dimensions Inches			Open Chassis List Price	Ventilated Dimensions H x W x D	Enclosure List Price Adder
			Height	Width	Depth			
<b>SINGLE POLE, SINGLE PHASE, 120 VAC INPUT, 118 VAC OUTPUT, 10-400Hz</b>								
18DZ-1-10i	10	1.2	6.25	3.5	3	173.00	10 6 6	Contact Factory
18DZ-1-20i	20	2.4	6.25	3.5	3	181.00	10 6 6	***
18DZ-1-30i	30	3.6	6.25	3.5	4.1	201.00	10 6 6	***
18DZ-1-50	50	5.9	10	5.5	7	319.00	14 12 8	***
18DZ-1-80	80	9.4	12	5.5	7	345.00	14 12 8	***
18DZ-1-120	120	14.1	12.5	6.5	8	567.00	20 16 9	***
18DZ-1-150	150	17.7	15	9.5	8	593.00	20 16 9	***
18DZ-1-250	250	30.0	25	9.5	8	705.00	30 20 9	***
18DZ-1-350	350	41.3	21	13	10.5	787.00	36 24 12	***
<b>SINGLE POLE, SINGLE PHASE, 240 VAC INPUT, 238 VAC OUTPUT, 10-400Hz (ALSO FOR 208/220/230 VAC INPUT)</b>								
18DZ-2-10i	10	2.4	6.25	3.5	3	173.00	10 6 6	Contact Factory
18DZ-2-15i	15	3.6	6.25	3.5	3	181.00	10 6 6	***
18DZ-2-20i	20	4.8	6.25	3.5	3	188.00	10 6 6	***
18DZ-2-30i	30	7.2	6.25	3.5	4.1	201.00	10 6 6	***
18DZ-2-50	50	11.9	10	5.5	7	319.00	14 12 8	***
18DZ-2-80	80	19.0	12	5.5	7	345.00	14 12 8	***
18DZ-2-120	120	28.5	12.5	6.5	8	579.00	20 16 9	***
18DZ-2-150	150	35.7	15	9.5	8	593.00	20 16 9	***
18DZ-2-250	250	60.0	25	9.5	8	705.00	30 20 9	***
18DZ-2-350	350	83.3	21	13	10.5	787.00	36 24 12	***
<b>SINGLE POLE, SINGLE PHASE, 480 VAC INPUT, 478 VAC OUTPUT, 10-400Hz (ALSO FOR 380/415/440 VAC INPUT)</b>								
18DZ-4-10i	10	4.8	7	5.5	4.5	238.00	12 10 8	Contact Factory
18DZ-4-20i	20	9.6	7	5.5	4.5	245.00	12 10 8	***
18DZ-4-30i	30	14.4	7	5.5	5.5	254.00	12 10 8	***
18DZ-4-50	50	24.0	10	5.5	7	325.00	14 12 8	***
18DZ-4-80	80	38.4	12	5.5	7	373.00	14 12 8	***
18DZ-4-120	120	57.6	12.5	6.5	8	590.00	20 16 9	***
18DZ-4-150	150	72.0	15	9.5	8	604.00	20 16 9	***
18DZ-4-250	250	120	25	9.5	8	705.00	30 20 9	***
18DZ-4-350	350	168	21	13	10.5	787.00	36 24 12	***
18DZ-4-450	450	215	27	17	10.5	976.00	36 24 12	***
18DZ-4-600	600	288	33	17	10.5	1169.00	42 30 12	***
18DZ-4-1200	1200	576	47	21	10.5	2377.00	72 36 12	***

**NOTES:**

- Standard units supplied with:
  - Manual control potentiometer on 2 feet of cable
  - Control isolation transformer (except where noted †)
  - Factory installed 2-millisecond fuses
- For recommended spare fuses, see FUSE CHART, Page 39. Use of any other fuse voids all warranties.
- effective 11/96
- Enclosures supplied by others must be properly ventilated. See VENT SCHEDULE, Page 43.

5. Dimensions are approximate, refer to unit drawing for construction.

List prices may be subject to trade classification discounts. Contact your local Payne Engineering Authorized Distributor or representative.

Prices shown are subject to change without notice.

OPTION NAME	OPTION ORDER No.	OPTION DESCRIPTION	LIST PRICE ADDER
ISOLATED CHASSIS	14A 14B	For installation in non-vented enclosures. Electrically Isolated Chassis, 10-30A, 480 VAC only. (Std. on 10-30A, 120/240 VAC) Electrically Isolated Chassis, 50-80A	65.00 97.00
THERMISTOR TEMPERATURE CONTROL	15A 15B	Thermistor Bridge, Proportional, Automatic Temperature Control. Temperature Range 0-90°C Temperature Range 90-240°C	90.00
OPTICALLY ISOLATED ma. CONTROL	21A 21B 21C 21D 21E 21H	For closed-loop applications only. (See Option 20 for open-loop applications) 1-5 ma., ≤1000 Ω 2-10ma., ≤1000 Ω 4-20 ma., ≤600 Ω 12-20 ma., ≤600 Ω 10-50 ma., ≤300 Ω Other. Specify ma. range and input impedance.	38.00
RETROFIT	22	To physically replace units built prior to 8/90. 120, 240 VAC, 10-30 Amps only	38.00
HEATSINK OVERTEMP SWITCH	24A 24B	Overtemp trip of controller. For external indicating circuit or alarm.	55.00
120V PILOT	28	120 VAC On/Off Pilot Control	38.00
70-400Hz	30	For operation on power frequencies from 70-400Hz, and 16-2/3 or 25Hz.	Contact Factory
EXTERNAL POWER	33	External trigger circuit power. Specify voltage to be supplied.	38.00
277 VAC INPUT	18DZ- <del>3</del> -etc.	Rated for 277 VAC Input. (Change Model No. from 18DZ-2-etc. to 18DZ-3-etc.)	38.00
550 VAC INPUT	18DZ- <del>5</del> -etc.	Rated for 550 VAC Input. (Change Model No. from 18DZ-4-etc. to 18DZ-5-etc.)	38.00
600 VAC INPUT	18DZ- <del>6</del> -etc.	Rated for 600 VAC Input. (May require size increase of base model.) (Change Model No. from 18DZ-4-etc. to 18DZ-6-etc.)	210.00

### 18DZ OPTION NOTES:

1. To order, specify option number separately, and add option price to control list price.
2. See page 46 for detailed option description.
3. Options must be order with control.
4. Certain combinations of options may not be compatible. See page 47 or consult local representative or factory.
5. Consult factory for option requirements not shown.