

PowerMaster

IMPORTANT

WIRE SIZE TO OPERATOR SHOULD BE INSTALLED ACCORDING TO LOCAL CODES. THE FOLLOWING CHART IS PROVIDED IF THIS INFORMATION IS NOT AVAILABLE.

POWER WIRING CHART FOR INDUSTRIAL/COMMERCIAL OPERATORS
* CHART SHOWS MAXIMUM WIRING RUN IN FEET FOR WIRE GAUGE USED.

LINE VOLTAGE 1Ø	HP	DISTANCE (IN FEET)															OVER 1200	
		100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200		
115	1/3	14 16	14 16	14 16	14 16	14 16	12 14	12 14	10 12	10 12	8 10	6 8	6 8	4 6	4 6	4 6		
	1/2	14 16	14 16	14 16	12 16	12 16	12 14	10 12	10 12	8 10	6 8	6 8	4 6	4 6	4 6	4 6	4 6	
	3/4	12 14	12 14	12 14	10 12	10 12	10 12	8 10	8 10	6 8	4 6	4 6	4 6	4 6	4 6	4 6	4 6	
	1	12 14	10 12	10 12	8 10	8 10	8 10	8 10	6 8	6 8	4 6	4 6	4 6	4 6	4 6	4 6	4 6	
	1-1/2	10 12	8 10	8 10	6 8	6 8	6 8	6 8	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	4 6	
208-230	2	12 10	10 8	8 6	8 6	6 4	6 4	4 2	4 2	4 2	4 2	4 2	4 2	4 2	4 2	4 2		

CONSULT
MANUFACTURER

* NOTE: THE FIRST NUMBER INDICATES MAX. DISTANCE AT THE LOWER LINE VOLTAGE. THE SECOND NUMBER INDICATES MAX. DISTANCE FOR THE HIGHER LINE VOLTAGE.

** FOR ELECTRO-MECHANICAL OPERATORS
CONTROL WIRING FOR 24 VAC CONTROL

WIRE GAUGE	MAXIMUM DISTANCE
16 AWG	150 FEET
14 AWG	200 FEET
12 AWG	350 FEET
10 AWG	500 FEET

FOR OPERATORS USING
SOLID STATE LOGIC CONTROLS

WIRE GAUGE	MAXIMUM DISTANCE
24 AWG	150 FEET
20 AWG	250 FEET
18 AWG	OVER 250 FEET

MAXIMUM DISTANCE IS 1500 FEET. CONTROL WIRING SHOULD BE RUN AS TWISTED PAIRS. DO NOT RUN CONTROL WIRES IN THE SAME CONDUIT AS POWER WIRES, TELEPHONE WIRES, OR LOOP DETECTOR LEADS.

NOTES:

1. ON ALL EXTERIOR INSTALLATIONS, WIRING TO OPERATOR MUST USE WATERTIGHT MATERIAL IN ACCORDANCE WITH LOCAL CODES.
- **2 FOR WIRING DISTANCES OVER 500 FEET, LONG DISTANCE PUSH-BUTTON MODULE SHOULD BE USED. 18-20 GAUGE WIRE CAN BE USED UP TO ONE MILE WITH LDM.
3. MASTER/SLAVE INSTALLATIONS SHOULD HAVE SEPARATE POWER SUPPLY WIRING WHENEVER POSSIBLE. IF SHARING A POWER LINE, DISTANCES WILL BE ROUGHLY ONE HALF OF THE DISTANCE LISTED IN CHART ABOVE.