

line power
120V AC

network

Master box

Power entry module
250V/1A fuse

Ethernet
Cat 5 cable

120V AC
20 AWG, 1 pair

+5V power supply
15W, 3A
XP Power ECL15US05-S

+5V
24 AWG, 1 pair

Raspberry Pi
one per master board

+5V
20 AWG, 1 pair

Master board (custom)
2 per master box

I2C signals
24 AWG, 1 pair

+5V fused at 0.25A, I2C signals
Cat 5 cable (26 AWG, 4 pairs)

power box
2-4 per master board

