Use twisted pair wires such as Cat 5 cabling. Do not route with power carrying conductors. Daisy chain wire up to 32 devices.

Example communication wiring diagram

Watlow Series F4 with B&B electronics
Model 485SD9TB
RS-232 to RS-485 Adapter

RS232 Port

DB9

PC Software Protocol - Modbus RTU

Data format
8 data bits
no parity
1 start bit
1 stop bit

F4S/D
or
F4P

F4S/D
or
F4P

Address 1

Address 2

485SD9TB

Wall Adapter
485PS2

RS232 Port

Watlow Series F4 with B&B electronics

Data format
8 data bits
no parity
1 start bit
1 stop bit

Address 2

Address 1

Use twisted pair wires such as Cat 5 cabling. Do not route with power carrying conductors. Daisy chain wire up to 32 devices.