Smaller junction box for splicing cables

The sensor cable junction box mini provides connection between the sensor’s pigtail cable and the homerun cable to the cabinet. The design is slimmer than the original SmartSensor junction box, allowing the box to be used with narrower poles.

- Nine terminal blocks means that the box can be used with cables with nine or fewer conductors and drains, namely the Wavetronix SmartSensor 6-conductor cable and the 8-conductor cable.
- IP 66-rated enclosure, providing a degree of protection against falling dirt, windblown dust, water and ice.
- Insulation displacement terminal blocks for quick wiring.
- Slim design with cable grips on either side allows for use of box in narrow poles.
- Cable grips for water resistance.

Small form factor for placement in traffic pole hand hole.
Technical specifications

Physical
- Dimensions: 3.7 in. x 3.6 in. x 3.0 in. (9.4 cm x 9 cm x 8 cm)
- Cable grip cable diameter: 0.25 in.–0.47 in. (6.4 mm–11.9 mm)
- Designed to meet IP 66 ratings
- Material: fiberglass

Connector block
- 9 terminal blocks
- Connections: insulation displacement
- Nominal current IN: 17.5 A
- Nominal voltage UN: 500 V
- Maximum load current: 17.5 A
- Wire: 24–16 AWG

Ordering information

Sensor Cable Junction Box Mini
102-0453

Accessories
- SS-704 – SmartSensor 6-conductor Cable
- SS-706 – SmartSensor 8-conductor Cable
- SS-B01-0003/0005/0008 – Intersection Preassembled Backplate – AC

Contact us
801.734.7200
sales@wavetronix.com
www.wavetronix.com
Bid specifications

1.0 General. This item shall govern the purchase of a junction box (JB) equivalent to the Wavetronix SmartSensor cable junction box mini.

2.0 Physical. The JB shall not exceed 3.7 in. x 3.6 in. x 3 in. (9.4 cm x 9 cm x 8 cm) in its dimensions.

The JB’s cable grip shall allow for a cable with a diameter of 0.25 in.–0.47 in. (6.4 mm–11.9 mm).

The JB shall be designed to meet IP 66 ratings.

The JB shall be made of fiberglass.

3.0 Connector block. The JB shall have nine terminal blocks; these blocks’ connections shall employ insulation displacement technology. The JB shall have a nominal current of 17.5 A and a nominal voltage of 500 V. Its maximum load current shall be 17.5 A. The JB shall accept wire ranging in size from 24–16 AWG.