GRIDSMART SMCH JUNCTION BOX

GS-3-SMCH

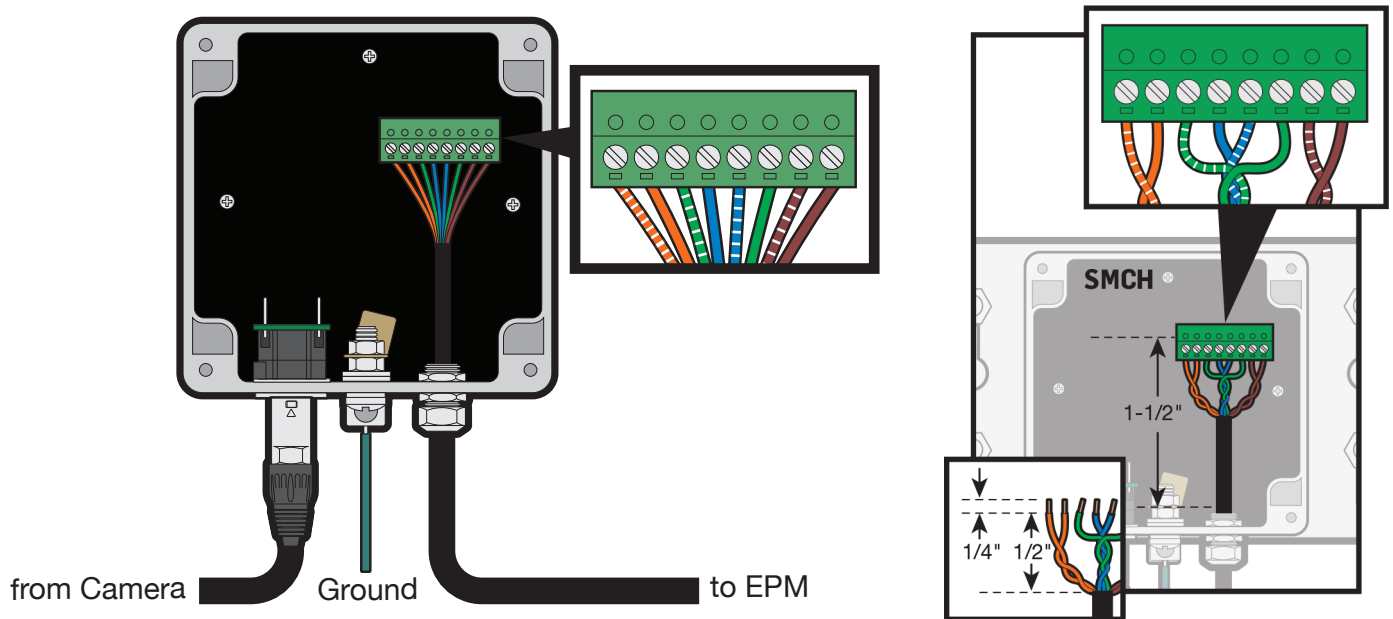from Camera   Ground   to EPM

Installing the SMCH Junction Box

1. Mount Junction to the mounting arm. Ensure cable connections are downward facing.
2. Feed shielded Cat5e field cable through the metal cable grip (right side).
3. Strip 1/4" of insulation from the end of each wire and connect to the terminal block.
Note. The terminal block may be removed by pulling straight out for easier installation.
4. Install the terminal block on the circuit board. Make sure to line up the pins correctly.
5. Connect the camera to the bottom camera port.
6. Connect a #10AWG ground wire to the grounding lug and verify < 25 Ohms resistance to ground.

DO NOT connect the Cat5e drain wire to the SMCH ground lug. Only connect the drain wire to the EPM ground lug in the traffic cabinet.

If Replacing the SMCH Circuit Board

1. Retrieve the SMCH Junction Box from the camera mounting location.
2. Loosen the Grounding Tab nuts and brass Grounding Tab.
3. Remove two (2) screws from the round camera connector faceplate.
4. Remove the four (4) circuit board screws.
5. Remove the circuit board from the enclosure.
6. Replace the circuit board.
7. Secure the circuit board with the four (4) screws.
8. Attach the Grounding Tab.
7. Install the Camera Port faceplate.
8. Ensure all screws and Grounding Tab nuts are tightened.

06/20/2017