

PIR Motion Detectors Connection & Operation

PIR motion detectors are passive infrared sensors, an electronic device which is triggered by infrared light from the movement of objects in its field of view.

We recommend the QHPIR is used with our QHC controllers.

When using a PIR – S2 slide switch must be in the ON position (select 1). See fig 8 page 4. Remember there are 3 zones, Blue Yellow & Red. Connect the Switched Live Out trigger L' to the PIR input terminal #15, 16 or 17 for separate control of each zone. Only 1 PIR per zone can be connected. **Blue zone = #15, Yellow zone = #16 & Red zone = #17.** See fig's 6, 7 & 8.

For single PIR operation, a jumper link can be fitted connecting the 3 inputs (terminals 15,16 & 17) together. In this configuration **1 PIR** will turn ON all 3 zones together.

The **PIR** when triggered, will also trigger the controller and turn on the appropriate zone. The ON time will depend on the time set on the PIR. This is found on the underside of the PIR housing. Note: **PIR ON** time is adjustable from 5 seconds to 15 minutes.

Note: a PIR should not be located directly in front of an Infrared heater. The infrared light emitted from the heater will keep the PIR permanently triggered and the motion detector will fail.

Please follow the instructions provided with the PIR for installation and connection.

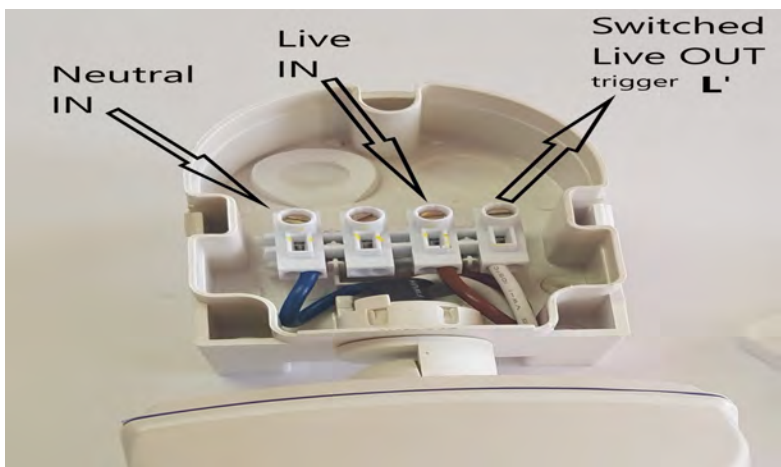
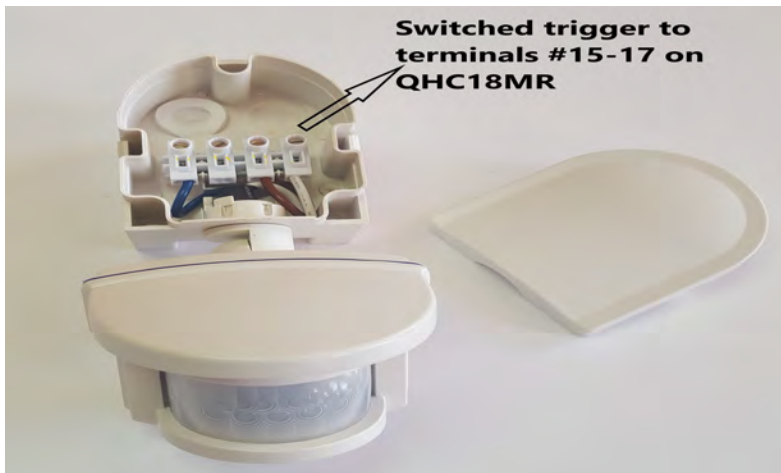


Fig 11

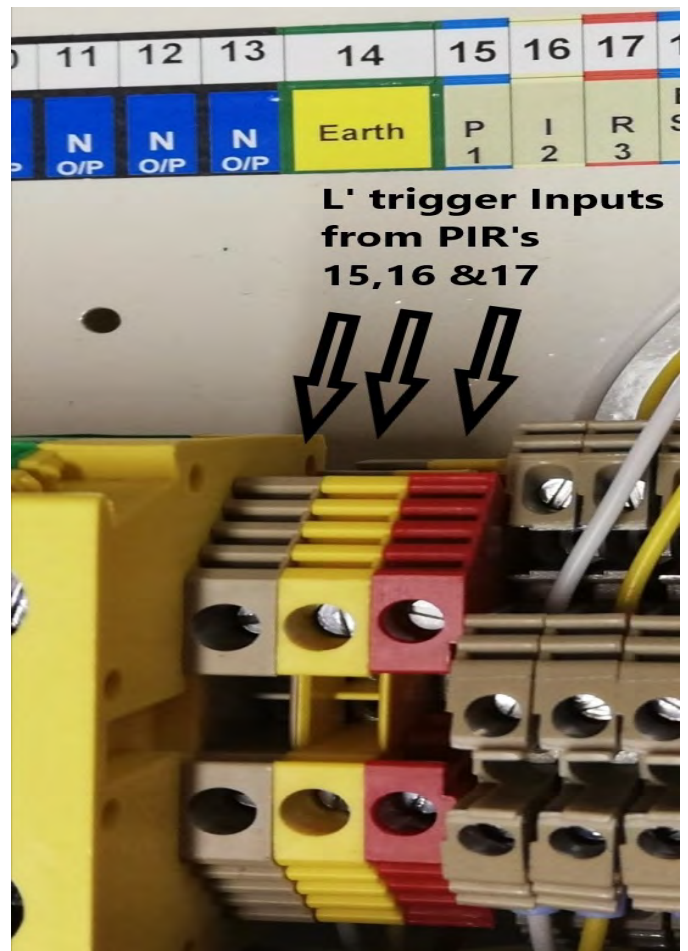


Fig 12