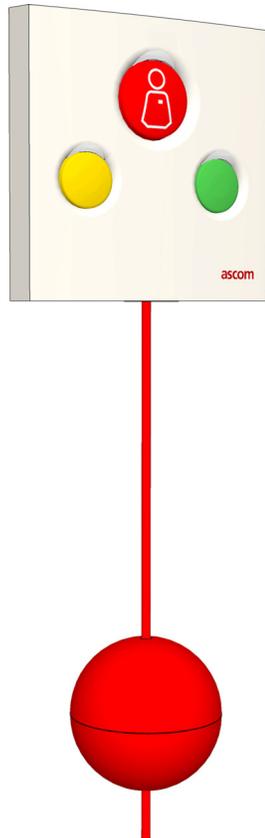


# Passive Three Button Pull Cord Installation Sheet

## Model NIPC-W3P



### Description

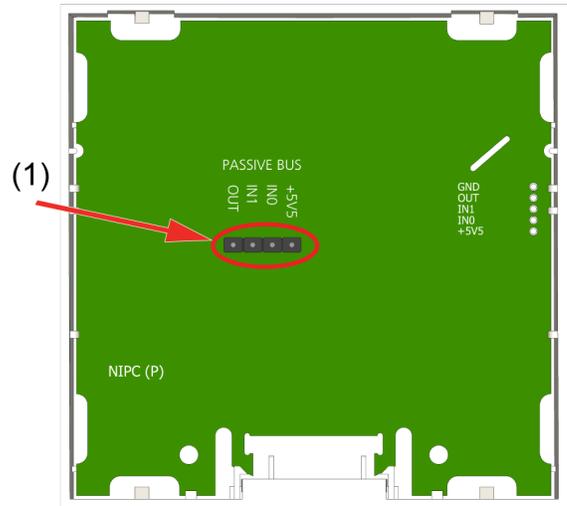
The NIPC-W3P Passive Pull Cord Module is intended for use in areas such as toilet areas. It must connect to a passive room bus. The passive bus in the module contains eight wires, but only four are used with the pull cord module.

The NIPC-W3P module fits on a single backplate (not included). Use the backplate to mount the module on different types of backboxes. Alternatively, a spacer is available for surface mounting.

### Electrical Connections

The NIPC-W3P module is a passive device that connects to a passive room bus using a 4-pole terminal. The following figure shows the location of the 4-pole room bus connector for the NIPC-W3P pull cord.

Figure 1: NIPC-W3P passive room bus terminal



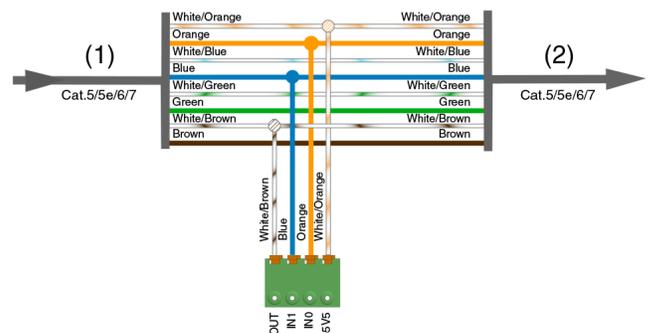
### Legend

(1) 4-pole connection to passive room bus

### Terminating the Block Connector

The NIPC-W3P module uses a 4-pole terminal block to connect the module to the room bus's eight wire cable (Cat 5/5e/6/7). If this is the last module on the bus, the four unused wires should be folded back and taped to the bus cable. If this module is to be daisy-chained to another module down-line on the bus, you must terminate the 4-pole block connector with matching wires from the eight wire room bus. Terminate the unused wires on a separate 4-pole block connector, or similar connector, with the matching wires from the next module in room bus.

Figure 2: Terminating block connector



### Legend

(1) Cable from previous module  
 (2) Cable to next module

### To daisy-chain the pull cord with the next module:

1. Prepare the passive room bus wires from the previous module and the next module. See the previous figure.
2. Insert the wires from the room bus cables into the first 4-pole block connector in the following order: orange/white (+5V5), orange (IN0), blue (IN1), brown/white (OUT). See Figure 2, item 2.
3. Terminate the remaining wires from the two cables into a second block connector in the following order: brown, blue/white, green, green/white. See Figure 2, item 4.
4. Place the first block connector onto the module's 4-pin terminal and push down to seat it.
5. Place the second block connector in the backbox. This connector does not mount on any device.

### Terminating an End of Line (EoL)

When the pull cord is the last module on the room bus, it must be terminated with 10kΩ EoL resistors (not included). Terminate the light as shown in the figures below.

Figure 3: Terminating EoL on a passive room bus

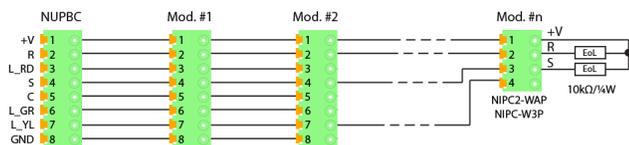
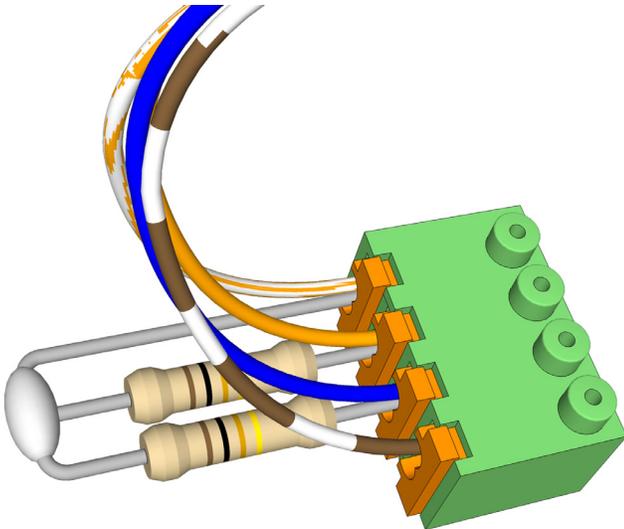


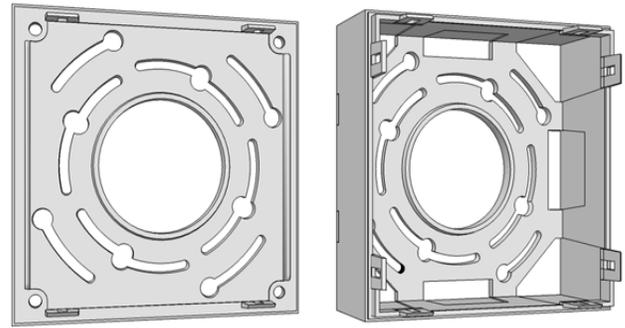
Figure 4: Terminating EoL with 10k resistors



### Mounting the Module on a Backplate or Spacer

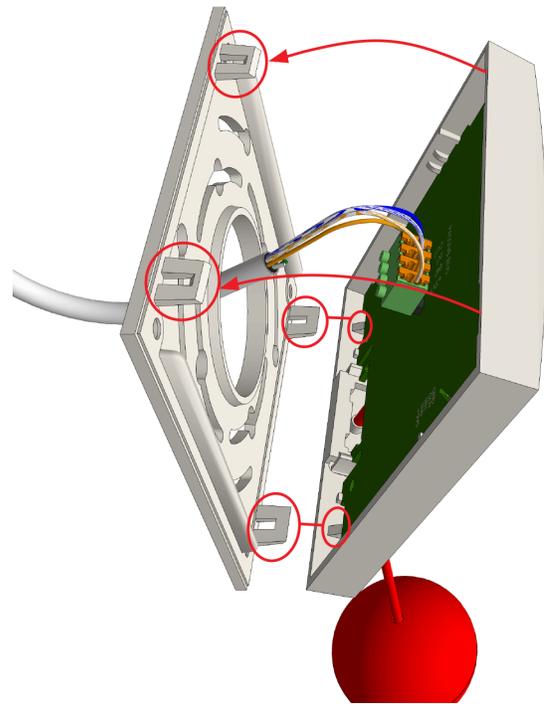
The NIPC-W3P module mounts on a backplate (sold separately) that is attached to a backbox. When no backbox is available, the module can be mounted to a spacer.

Figure 5: NIPC-W3P backplate and spacer



### To mount the module on a backplate or spacer:

1. Pull the cable through the backplate and connect the 4-pole connector to the module.
2. Latch the two tabs on the inside of the lower edge of the module's two fasteners on the bottom of the backplate.



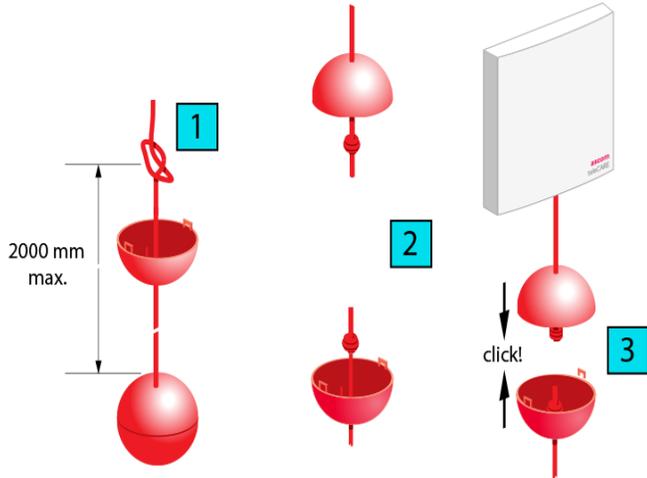
3. Press the module over the top two fasteners of the backplate until the module snaps into place.

### Assembling and Attaching the Pull Cord

The pull cord assembly includes the two meter pull cord and two plastic balls. The first (top) ball is a breakaway ball that separates when the cord is pulled with excessive force. The second ball (lower) weights the pull cord and allows the cord to be grabbed easily.

The upper half of the pull cord comes already attached to the pull cord module. The lower half of the cord can be connected to the upper half by clicking the two halves of the breakaway ball.

Figure 6: Assembling and attaching the pull cord



**To attach the pull cord assembly:**

1. Ensure that the pull cord module is properly mounted to the wall and that all cable connections have been made.
2. Adjust the length of the cord by pulling the cord through the hole in the bottom half of the breakaway ball, and then retying the knot in the cord. See Figure 6, item 1.
3. Align the two halves of the breakaway ball so that the edges are touching, and then press them until they click together. See Figure 6, items 2 and 3.
4. Extend the cord to its full length, and then allow it to hang freely from the pull cord module.

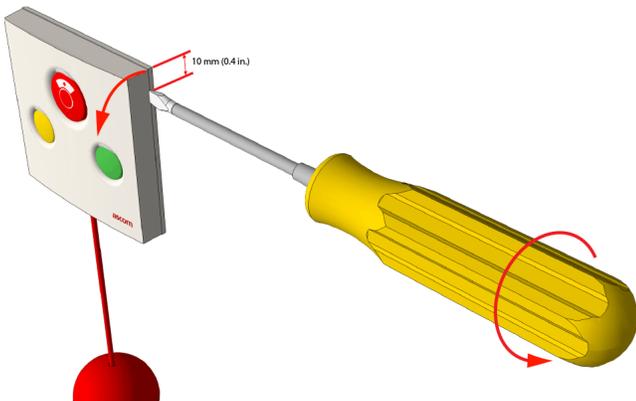
**Removal**

When separating the module from a backplate or spacer, use a screwdriver with a 6mm blade.

**To remove the module from a backplate or spacer:**

1. Insert the screwdriver into the groove on the side of the module, approximately 10mm (0.4in.) from the top of the module (left or right side). See Item 1 in the figure below.

**Note:** Do not insert the screwdriver into the bottom of the module.



2. Gently push the screwdriver between the module and the backplate.
3. Twist the screwdriver until the module releases from the backplate.
4. Disconnect the 4-pole connector from the terminal.

**Specifications**

<b>Wire/terminations</b>	Cat 5/5e/6/7 U/UTP with RJ-45 connectors. 4-pin terminals
<b>Compatible electrical boxes (metal or plastic)</b>	
European Union	<b>EU</b> box (or equivalent) Single backbox with mounting holes 60mm (2.36in.)
United Kingdom	<b>MK</b> Honeywell models (or equivalent) 1-gang: 861ZIC, 866ZIC, 877ZIC