

Wire Color Code					
Pair	Polarity Identification (Classical)	Wire Color	USOC	T568A Pin Number	T568B Pin Number
1	Tip	White/Blue	5	5	5
	Ring	Blue or Blue/White	4	4	4
2	Tip	White/Orange	3	3	1
	Ring	Orange or Orange/White	6	6	2
3	Tip	White/Green	2	1	3
	Ring	Green or Green/White	7	2	6
4	Tip	White/Brown	8	7	7
	Ring	Brown or Brown/White	1	8	8

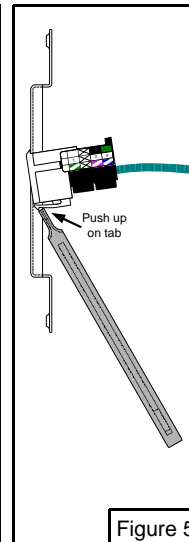


Figure 5

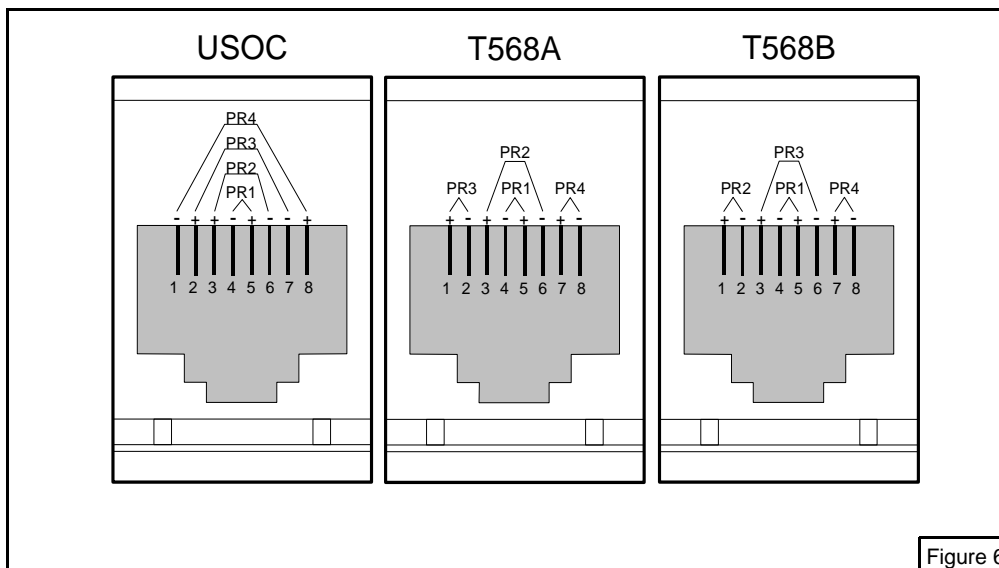


Figure 6

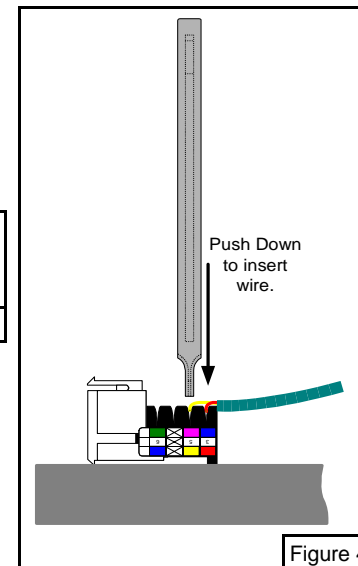
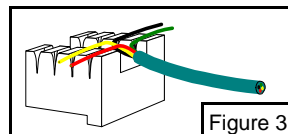
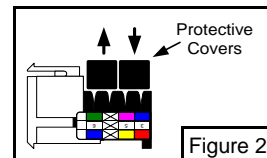
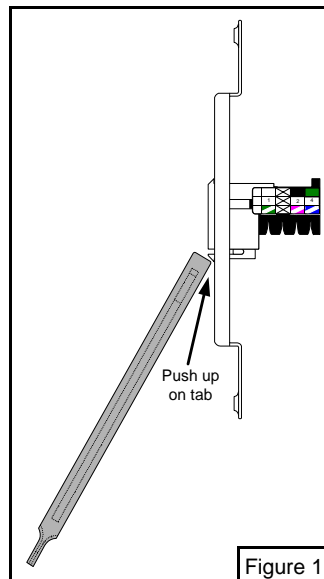
Installation of RJ-45 and Cat 5 Jack

Tools Required:

- 110 Punch Down Tool or inexpensive 110 Push Tool (Available from OEM Systems Co.)
- Diagonal wire cutters
- Wire stripper

Procedure:

- Remove the jack module(s) from the Decora® plate by pushing up on the tab with your thumb or blunt object. The plastic handle of 110 push tool works well for this. The jack will pop out the back of the plate. **(Figure 1)**
- Remove the two strain relief covers that protect the connecting block. **(Figure 2)**
- Strip off about 1-1/2 inches of the outer jacket from the wire.
- The label of the jack has a row of numbers that correspond to the pin numbers. There is also an upper and lower row of color codes labeled A and B that correspond to the T568A and T568B standards respectively. For USOC connections, use the color code table to determine the wire color for each pin number. **(Figure 6 and Color Code Table)**
- Being careful not to completely un-twist the colored pairs, separate the ends of the conductor pairs so that they can be laid into the appropriate slots of the jack's connecting block. **(Figure 3)**
- On a firm surface, punch the conductors into their slots using a 110 tool. **(Figure 4)**
- Cut off excess wire. This will not be necessary if you use a 110 punch tool with integral cutting edge.
- Replace the two protective strain relief covers.
- Snap the module back into the Decora® plate while pushing up on the tab. **(Figure 5)**



**IMPORTANT INSTRUCTIONS & PRECAUTIONS
PERTAINING TO INSTALLATION & USE OF
RJ-11 & RJ-45 *category 5* Jack Products**

When using your telephone equipment, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- Read and understand all instructions.
- Follow all warnings and instructions marked on the product.
- Do not use this product near water, for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
- Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltages.
- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for use in wet locations.
- Never touch un-insulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.

SAVE THESE INSTRUCTIONS

OEM SYSTEMS COMPANY, INC.
Sparks, Nevada