

# 1/4" LONGFRAME 488 SERIES

## PROGRAMMING INSTRUCTIONS

### HOW TO IDENTIFY A PROGRAMMABLE PATCHBAY

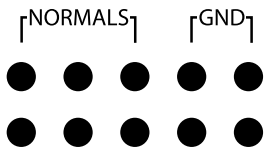
488 Series programmable patchbays can only be identified by removing the top dust cover and looking for the presence of red and white programming shunts inside.



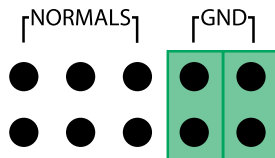
### HOW TO CHANGE THE PROGRAMMING FOR A CIRCUIT

- 1: Find your desired configuration in the diagram.
- 2: Arrange the programming shunts to match the appropriate diagram. Note: Each circuit can be programmed independently.
- 3: Ample shunts are provided with every programmable patchbay. Red shunts are placed horizontally and are used for normalling options. White shunts are placed vertically and are used for grounding options.
- 4: Replace the dust cover.

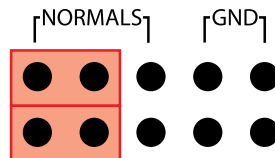
## SHUNT SCHEMATICS



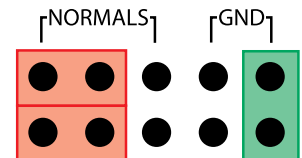
NON NORMALED  
WITH ISOLATED GROUNDS



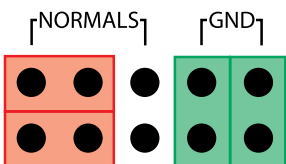
NON NORMALED  
WITH BUSSED GROUNDS



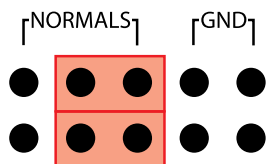
FULL NORMALED  
WITH ISOLATED GROUNDS



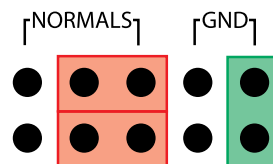
FULL NORMALED  
WITH LOOPED GROUNDS



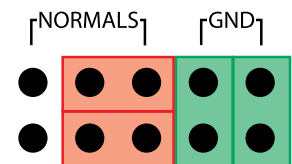
FULL NORMALED  
WITH BUSSED GROUNDS



HALF NORMALED  
WITH ISOLATED GROUNDS



HALF NORMALED  
WITH LOOPED GROUNDS



HALF NORMALED  
WITH BUSSED GROUNDS