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**TECHNICAL BULLETIN TB-161**

**5SM, 5M, AND 505M SERIES**

***Product Enhancement for Dress Bezel Mounted Matrix  
Assemblies Intended for High Impact Shock Applications***

In our continual effort toward product improvement, we are modifying the configuration of High Impact Shock versions of our Series 5SM, 5M, and 505M housings. This improvement will provide additional assurance of meeting the specified performance for "Deck Mounted Equipment" in such environments. The enhancement alters the appearance of these housings and, in turn, their final assemblies.

The change is in the housing and done to further enhance its strength. The Dress Bezel itself will now be further secured with the addition of drive screws through the bezel and into the mounting tubes for all locations around the periphery of the housing assembly. All of these will be installed at the tube centerline.

Straps are also being added to the outside rows of all multi-station assemblies. In the case of single row assemblies (1x2, 2x1, 1x3, etc), either for vertical or horizontal mounting, straps are being added to both sides of the row of tubes. For multi-row assemblies, straps are being added to all of the periphery tubes. Each tube will receive a rivet through the tube and into the strap. In the case of corner tubes, they will receive two rivets and straps from both directions. Rivets will be installed from the inside out and flush with the internal wall.

Please note that 1x1 assemblies will receive 4 each flat-top drive screws (one through each Dress Bezel Mounting Flange), but no straps will be required. 1x1, 2x1, and 1x2 configurations will utilize flat-top drive screws through the Dress Bezel into the mounting tube to allow for the use of the 2 mounting cleats in whatever location best suits the application. Single row assemblies, 1x4 and longer, will have a round-top drive screw at the end tube positions. Mounting cleats will not be used on the ends of these assemblies. 2X2 and larger configurations will receive round-top drive screws in all corner tubes and flat-top drive screws in all other peripheral tube locations. The use of round-top drive screws in the corner positions is intended for added strength and to force the location of the mounting cleats to more optimal locations.

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