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## TECHNICAL DESIGN CRITERIA TYPES & STYLES

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When discussing enclosures for electronic devices, the terms 'type' and 'style' have two distinct yet related meanings. 'Type' refers to where and how the device will be used while 'style' refers to the ergonomics and visual or 'look and feel' aspect of the unit.

### Enclosure Types

For the most part, an enclosure type is determined by the environment in which it operates. By understanding the environment, our engineers can better suggest not only the type of unit you will need, but also the materials, fastening system, and general construction of the enclosure. Examples of enclosure types include:

Pocket	Hazardous
Hand-held	Dusty
Portable	Oily
Mobile	Submerged
Desk Top	High Temperature
Wall Mount	Vibration
Floor Mount	Electrical Shock

### Enclosure Style

Enclosure style refers to the appearance, the ergonomics, and the specific construction of the enclosure. That is to say, style refers to how the enclosure will interface with the operator or other individuals including those involved with assembly and service of the device.

As with enclosure type, PEI can assist in your selection of style by fully understanding how the enclosure will be assembled, operated, and serviced. In particular, by knowing the assembly method, we can make style recommendations that may reduce the time it takes to assemble the device in the factory or to service the instrument out in the field.

Examples of enclosure styles include:

U-channel	Removable Single Panel
Front Sloped	Removable Double Panel
Body Wrap	Seven Sided Front Sloped
Curved Front	Flat Panel Display
Bezels	

Finally, any decision on 'type' and 'style' must take into consideration the functionality and ergonomics of how the electronic device will be used or operated. Hand-held devices should fit the hand; desktop units should be operational while the user is sitting or standing at a desk or counter; portable devices should be mobile and manageable by the operator...you get the picture.

With our years of experience in developing enclosures for an extensive customer base, we have learned what works and what doesn't. Once we fully understand your expectation and your customers' needs, we can offer the best advise possible in determining the type and style of enclosure to consider.

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