

# CTC AppNotes

A series of technical documents written by members of the CTC community

## Flex Box Enclosures

### Executive Summary

This edition of CTC's *APPnotes* will discuss a new product offering consisting of our standard 12" X 10" X 6" Fiberglass enclosure with flexible options as to the internal components that can be added.

### Background

CTC already manufactures a wide variety of custom enclosures that are supplied fully wired and only require sensor input wires and or 4-20 output wires to be attached to terminal blocks.

However, driven by many of our customer requests for enclosures that don't necessarily line up to either the custom product line or our standard switch boxes, cable reduction boxes, signal condition boxes etc we have introduced a baseline product which originates as a 12" x 10" x 6" Fiberglass enclosure with a stainless steel back plane, one length of din rail and one grounding lug assembly ( see below )..



Components that will be available as options include -

1 - Either one 30 or 60 watt power supply, based on the required power requirements requested.

2 - An additional full width length of din rail.

3 - Up to six SC203 series signal conditioners

4 - Up to six PR relay with display modules

5 - Up to two TSB-MOD4-XX modules .

6 - Up to two TSB-MOD12-XX modules

7 - Up to six MMX-MOD3 modules

8 - Up to two SSB-MOD12 modules

9 - Up to two DSB-MOD8 modules

Items 5 thru 9 can be supplied with or without the pass through option

10 - Up to eight ( 3 ) pole terminal blocks

11 - Up to eight ( 4 ) pole terminal blocks

12 - Specified lengths of AWG colored wire

13 - Conduit fittings for entry/exit options

14 - Cord grips for entry/exit options

This box is intended to be utilized by the experienced vibration professional who can then design their own functionality into it.

It should be noted that due to the individual custom requirements for the Flex Box options the customer will be responsible for all the necessary wiring

If a turn key option is more desired, the bill of materials from the Flex box can be generated into a CTC custom part number where CTC will complete the wiring and labeling necessary. There is of course a labor charge for that service.

A link from the CTC web site will direct you to the Flex Box Builder where the user will be able to drag and drop components. Upon completion of the bill of materials a final price will be generated similar to the CTC cable wizard. Below is a sample of what the builder will look like.

## Flex Box Builder

Conduit Fittings or Cordgrips

1 Conduit 4 Cordgrips



If you have any questions or for further information please contact CTC directly via Email at [dgripe@ctconline.com](mailto:dgripe@ctconline.com) or [jsmith@ctconline.com](mailto:jsmith@ctconline.com) or feel free to call 1-800-999-5290 in the US and Canada or +1-585-924-5900 internationally.

If any PRO product should ever fail, we will repair or replace it at no charge, as long as the product was not subjected to misuse, natural disasters, improper installation or modification which caused the defect.