

# Multi-Channel eXpansion

## Add eight analog outputs and four setpoint relays to Multi-Channel Analyzer

The InsiteIG MCX is designed to expand the functionality of the MCA (Multi-Channel Analyzer) by providing additional outputs.

The MCX provides 8 analog outputs that are isolated active 4-20mA, and each analog output may be assigned to any sensor channel. There are also 4 independent programmable set point control relays that may be assigned to any sensor channel.



The MCX is connected to the MCA by a 3 wire RS485 Modbus connection. The RS-485 interface allows for greater flexibility when deciding where to mount the MCA and MCX in your plant. The MCA and MCX may be located up to 1000 feet from each other.

The MCX configurations of the Modbus connection, analog outputs, and set point relays are done at the MCA.

### Specifications:

Temp range: -20 to 70 degrees C  
Enclosure NEMA 4X  
Optically isolated digital interface with MCA  
Input power 100/250 VAC

### Outputs:

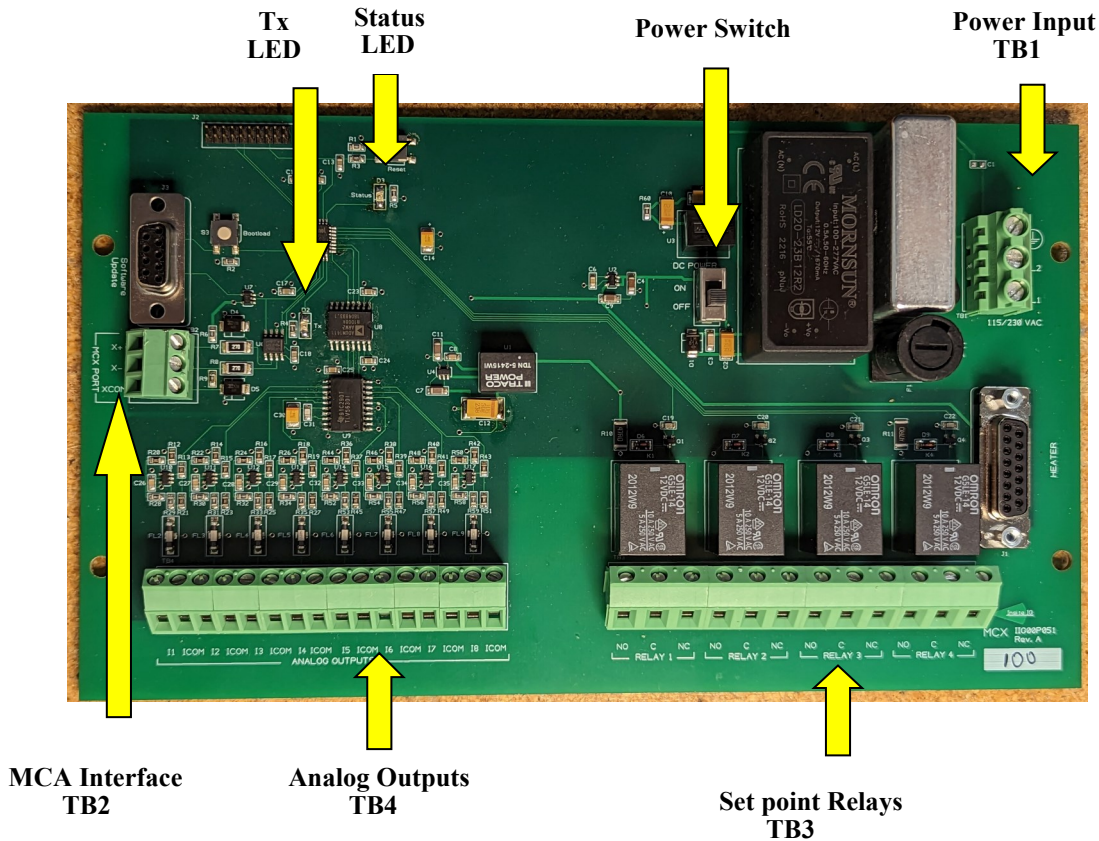
8 optically isolated 4-20 mA  
4 dry contact, 10 amp setpoint relays



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**MCX Circuit Board**

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