

MCT - Product Family

1/4 DIN (all-in-one), HMI/remote board and PLC based control products that operate like your favorite smart phone or tablet

EASY TO USE
TOUCH SCREEN
INTERFACE



MCT4





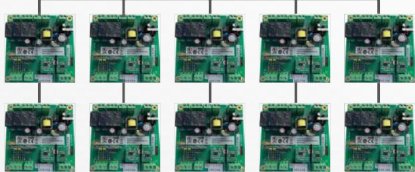
MCT4 1/4 DIN



MCTB



MCT-MC



MCT-CM



MCT PRODUCT FAMILY

Touch screen-programmable right out of the box!

+ PC software is NOT required

+ One button import/export configuration

+ One button return to OEM configuration

Simplicity - Flexibility - Connectivity

Up to 10 PID loops
(FM-Approved High Limit Available in models the MCT4 / MCTB)

64- Step Profiler
(99 Steps in MCT-CM)
System Stores 500+ Profiles

Paperless recorder /data logger

4 Level Security with digitally Signed Audit Trails & Data Files

Trend viewer/data viewer

Serial and TCP/IP Modbus RTU

File transfer/backup via LAN/WAN/Cloud.

Supports 11 Languages

Configure via USB memory stick or cloud.

Meets Data Acquisition Requirements
- 21 CF Part 11
- AMS 2750F

Email/SMS on alarm

Monitor Points
MCT4 / MCTB - 8 Channel Card
MCT-CM - 15 Monitor Points

Remote access

Up-to-5 PID Sets

National Time Server (NTS)

Math/Logic/Timers

All Software Features are STANDARD !

Does Your Application Require an Integrated FM-Approved Limit Control?

YES

NO

Can Your Panel Accommodate a 1/4 DIN

How Many Loops Does Your Application Require?

YES

NO



MCT4

MCTB

1-3

> 3 (Up to 10)

Does Your Application Require More Than 8 Monitor Points?

Does Your Application Require More Than 8 Monitor Points?

NO

NO

Can Your Panel Accommodate a 1/4 DIN

Do You Require Math/Logic?

YES

NO

YES

NO



MCT4

MCTB

MCT-CM

MCT-MC

1-3 Loops
FM-Approved
High Limit (Option)
SIO 8-Channel I/O (Optional)

1-3 Loops
FM-Approved
High Limit (Option)
SIO 8-Channel I/O (Optional)

1-10 Loops
15 Monitor Points
16 Digital Inputs
32 Digital Outputs

1-10 Loops

MCT4 - Multi-Loop Controller



MCT4

THE FIRST 1/4 DIN MULTI-LOOP CONTROLLER THAT OPERATES LIKE YOUR SMARTPHONE OR TABLET

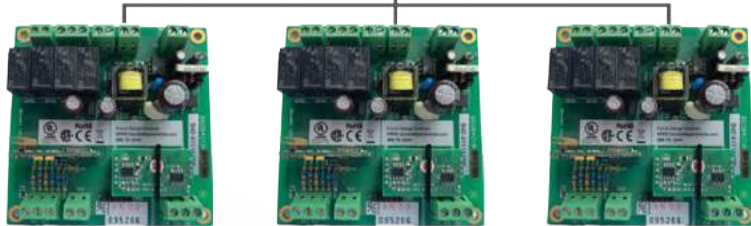
Loop Overview

The MCT4 allows up to 3 plug-in slots for static, program or cascade control. An FM approved hi-limit module can be installed in slots 2 or 3. The MCT4's multi-processor design provides a "no wait" response for instantaneous screen and control operations.

- Up to 3 PID loops - 1 may be FM Limit
- Up-to-8 Monitor Points
- Paperless recorder/data logger
- Trend viewer/data viewer
- File transfer/backup via LAN/WAN/Cloud. Configure via USB memory stick or cloud.
- Email/SMS on alarm
- Up to 5 PID Sets
- Remote access
- NEMA 4X / IP 65
- Math/Logic/Timers



MCTB - Multi-Loop Controller



The MCTB provides the same functionality as the 1/4 DIN MCT4, but is designed for the mounting of the display module in areas where a minimum panel depth is required, available with a 4.3" or 7" display

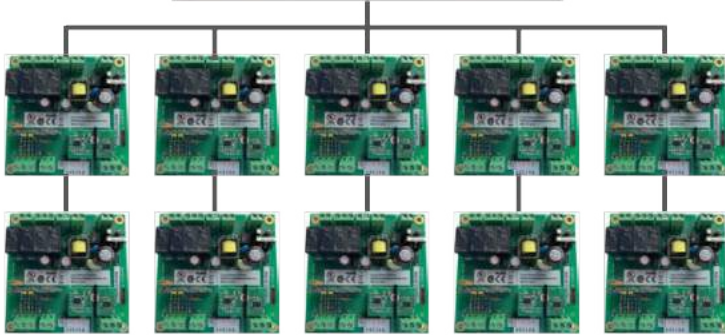
- Up to 3 PID loops - Remote B42 control boards allow for easy mounting for minimum depth display requirements
- HMI 4.3" or 7"
- Up-to-8 Monitor Points
- Paperless recorder/data logger
- Trend viewer/data viewer
- File transfer/backup via LAN/WAN/Cloud.
- Configure via USB memory stick or cloud.
- Email/SMS on alarm
- Up to 5 PID Sets
- Remote access
- Math/Logic/Timers

Loop Overview

The MCTB allows up to 3 loops for static, program or cascade control. An FM approved hi-limit (1/4 DIN L41) can be utilized.

The MCTB's multi-processor design provides a "no wait" response for instantaneous screen and control operations.

MCT-MC - Multi-Loop Controller



Combines 1 to 10 loops of control and monitor components with a slim display device that can be mounted in areas where a 1/4 DIN controller is too deep

Loop Overview

The MCT-MC allows up to 10 loops for static, program or cascade control.

The MCT-MC's multi-processor design provides a "no wait" response for instantaneous screen and control operations.

Profile Programs:

Individual per loop or one master to remaining loops.

- 1 to 10 PID loops - Remote B42 control boards allow for easy mounting for minimum depth display requirements
- HMI 4.3" or 7"
- Paperless recorder/data logger
- Trend viewer/data viewer
- File transfer/backup via LAN/WAN/Cloud.
- Configure via USB memory stick or cloud.
- Email/SMS on alarm
- Remote access

**Contact us if a 1/4 DIN 4.3" display interface is required*

MCT-CM - PLC Based Controller



Advanced control system supporting up-to-10 PID loop controls, 15 monitor points, 16 DI and 32 DO with a 4.3" or 7" color touch screen operator interface with embedded SCADA and LAN features

- 1 to 10 PID loops - Slim HMI with DIN rail mount control modules for easy mounting
- HMI 4.3" or 7"
- PLC based control logic with programmable IO.
- 15 monitor points, 16 digital inputs, 32 digital outputs.
- Paperless recorder/data logger
- Trend viewer/data viewer
- File transfer/backup via LAN/WAN/Cloud.
- Configure via USB memory stick or cloud.
- Email/SMS on alarm
- Remote access

Loop Overview

The MCT-CM allows up to 10 loops for static, program or cascade control and up to 15 monitor points.

Supports up to 16DI and 32 DO as alarm, event or logic IO.

Compressor redundancy and defrost logic

**Contact us if a ¼ DIN 4.3" display interface is required*